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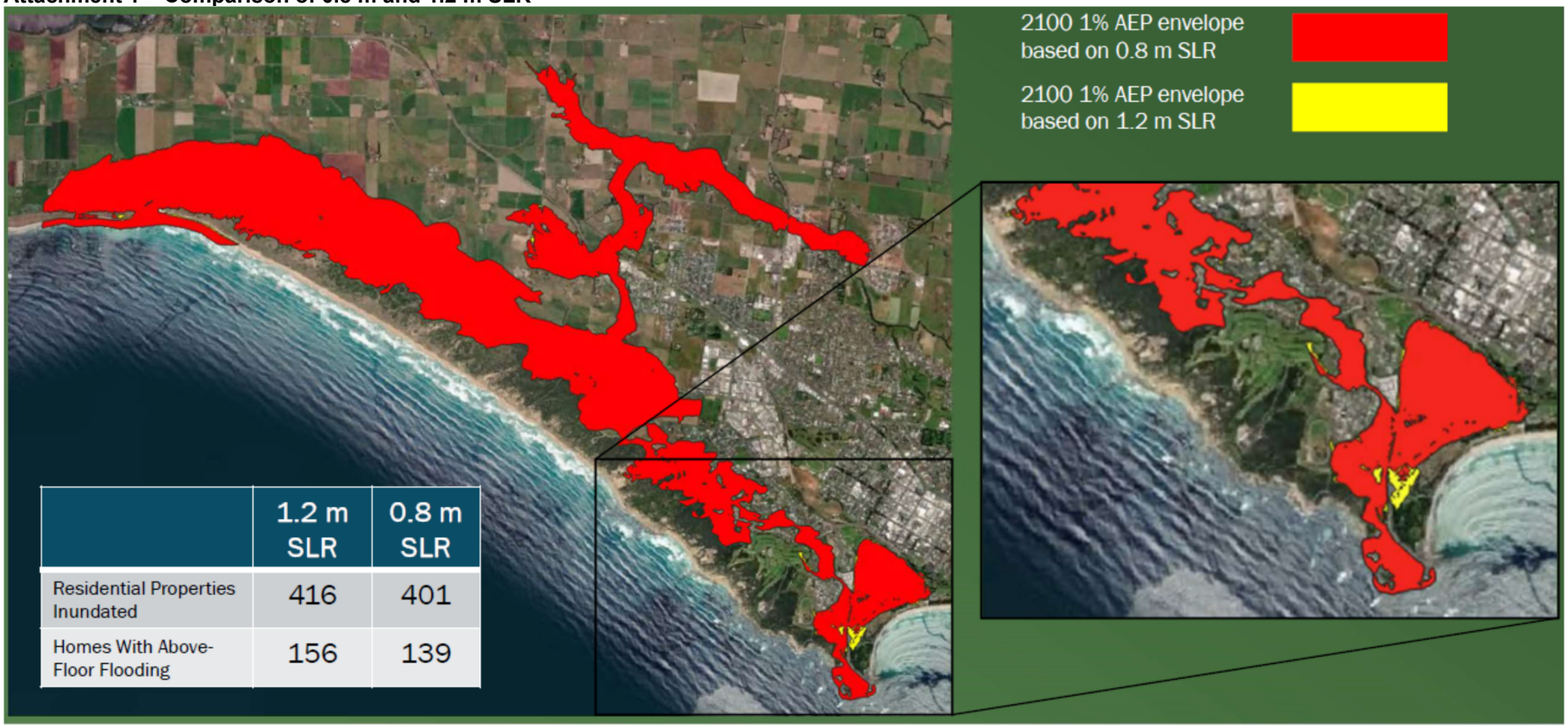
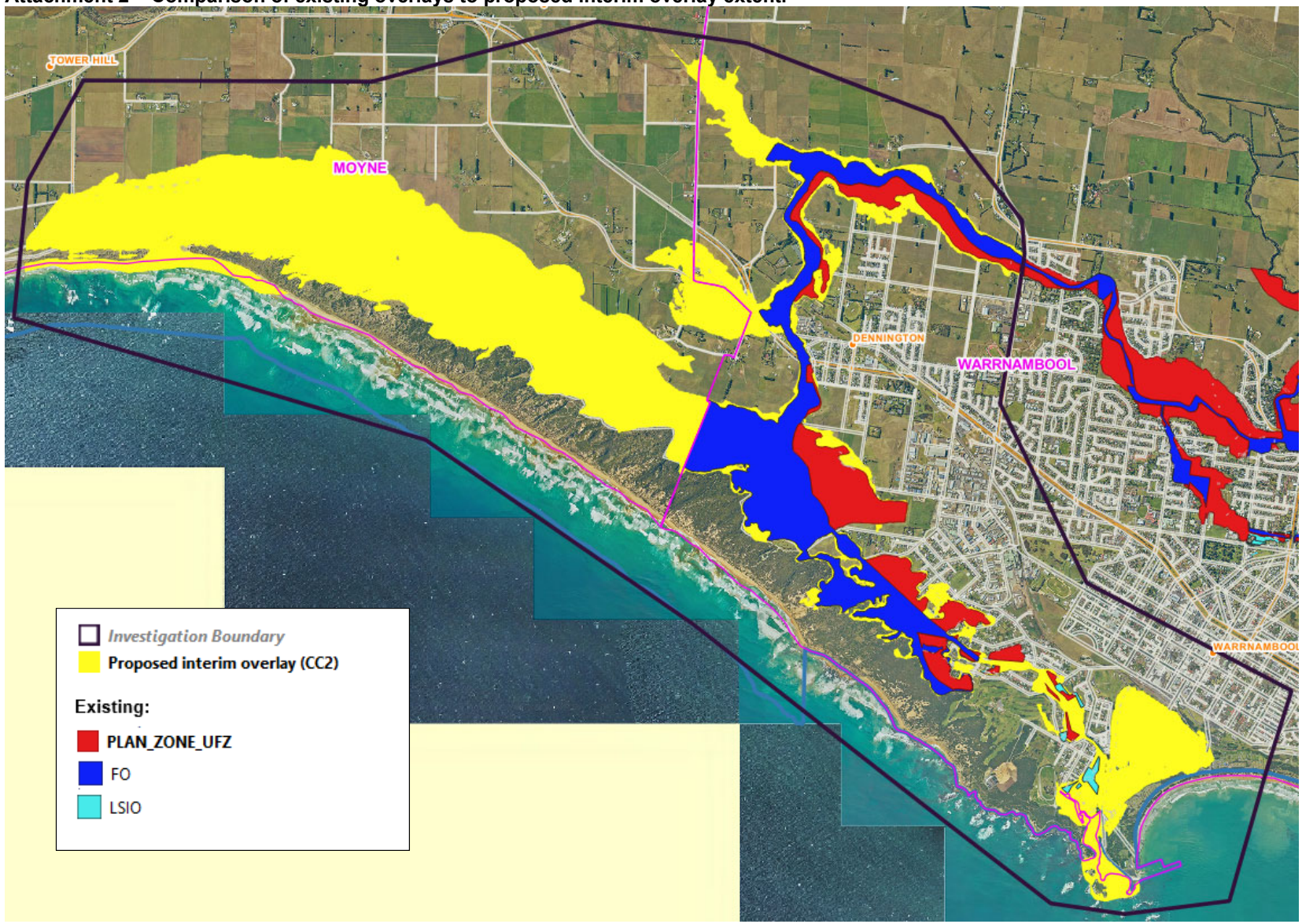


	1.2 m SLR	0.8 m SLR
Residential Properties Inundated	416	401
Homes With Above-Floor Flooding	156	139

Attachment 2 – Comparison of existing overlays to proposed interim overlay extent.



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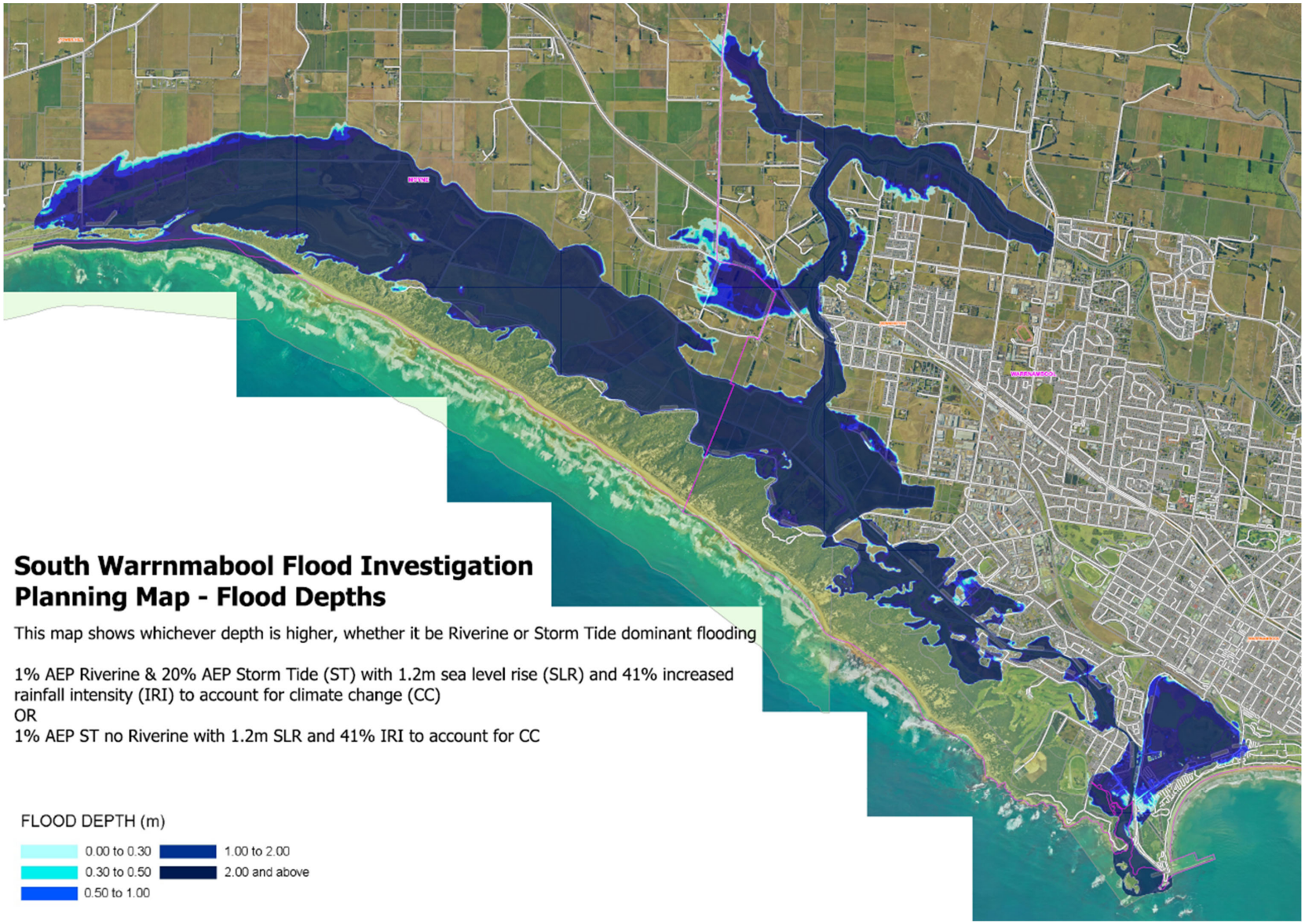

Attachment 4 – South Warrnambool and Dennington Flood Investigation Summary Report

in partnership with

South Warrnambool and Dennington Flood Investigation

Summary Report

Report Reference: R.M00407.005.02_Summary.docx
Date: May 2025
Prepared for: Warrnambool City Council

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Executive Summary

The best available mapping to date for the South Warrnambool and Dennington areas are the 2007 South Warrnambool Flood Study (Water Technology 2007a) and Dennington Flood Study (Water Technology 2007b) and its subsequent updates. Since the completion of the 2007 studies an updated version of Australian Rainfall and Runoff (ARR) (Ball, et al. 2019) was released in 2019 which provides significant progress in the methodologies used to undertake flood modelling and mapping assessments. A major update to the guidance on how to consider climate change in flood investigations was also released in late 2023 (DCCEEW 2023). There has also since been three significant flood events occur, the 2020 riverine flood event and the 2009 and 2014 storm tide flood events.

Warrnambool City Council (Council) in partnership with the Glenelg Hopkins Catchment Management Authority (GHCMA) were successful in gaining funding from Emergency Management Victoria (EMV) to engage Venant Solutions to undertake this Investigation to update existing riverine flood risk modelling and develop new storm tide risk mapping for South Warrnambool and Dennington. Venant Solutions has completed this investigation with support from BMT for the storm tide assessment and PM Design Group for the structural mitigation option assessment.

The Investigation has been undertaken in accordance with the latest guidance and parameters provided in ARR and the Victorian Guideline for Modelling the Interaction of Catchment & Coastal Flooding (Streamology 2022b). The climate change guidance provided by Australian Rainfall and Runoff (DCCEEW 2023), which accounts for the effect of increased and increasing rainfall intensity on flood risk, has also been accounted for. The hydrology and hydraulic model elements of the project including all adopted parameters and assumptions have been independently peer reviewed.

The reliability of the flood model developed to underpin the assessment of flood risk was confirmed through its ability to accurately represent actual flood extents and depths for both riverine and storm tide events that have occurred in the past. For riverine events, facilitated by the availability of a large amount of past flood event data, the October 2020 was replicated as a calibration event and the March 1946 event was replicated, as best as possible with the available information, as a validation event. Two past storm tide events, April 2009 and June 2014, were used as calibration and validation event respectively and the model achieved a good calibration.

A suite of riverine and storm tide design flood event mapping and flood intelligence information has been produced covering the 20%, 10%, 5%, 2%, 1%, 1 in 200, 1 in 500 Annual Exceedance Probability (AEP) events, in addition to an estimate of the probable maximum flood and a Tsunami estimate.

The flood mapping and intelligence information produced for the Investigation includes the flood depth, level, velocity and hazard mapping, identification of inundated properties, buildings and roads, estimation of expected flood travel times and the estimation of monetary flood damages. Current climate (present day at the time of writing this Investigation) 1% AEP flood depth mapping for riverine and storm tide events is presented in Figure 1 to Figure 6. A 1% AEP riverine event is expected to result in the inundation of 393 properties, 25 buildings above floor and 23 roads while a 1% AEP storm tide is expected to result in the inundation of 203 properties, two buildings above floor and five roads.

The riverine event AAD (average annual damages) estimate of $626,000 and storm tide event AAD estimate of $101,000 are based on independent events so there is a combined AAD estimate of $727,000.

The study has also allowed for context to be provided around the level of risk flooding has posed across the study area in the past, in comparison to what can be expected to occur in the present day and into the future as the climate changes.

The 1946 event is by far the largest riverine flood recorded in the Merri River since records began in the mid to late 1800s with an estimated magnitude of approximately a 1 in 150 AEP. Other significant events occurred in 2020 with an estimated magnitude of 6% (1 in 18) AEP and 2001 and 2010 both with an estimated magnitude of 9% (1 in 11) AEP. A relatively limited historical storm tide event dataset was available to identify and quantify the magnitude of storm tides impacting on South Warrnambool but in present day terms, the April 2009 and June 2014 storm tide magnitude is estimated to be 10% (1 in 10) and 5% (1 in 20) AEP events respectively.

Two climate scenarios for the year 2100 have been assessed. These are referred to as Climate Change Scenarios 1 and 2 which represent potential global warming levels (GWLs) of 3.6°C and 4.5°C respectively relative to the baseline period between 1961 to 1990. These scenarios are based on global mean surface temperature projections that stem from the worlds potential greenhouse gas emissions trajectory pathways, as described by the Intergovernmental Panel on Climate Change (IPCC) Shared Socioeconomic Pathway (SSP) modelling. The SSP descriptors for emission trajectory scenarios are conveyed by the IPCC's Sixth Assessment Report. 3.6°C of global warming above the baseline period, occurring between the years 2081 and 2100, is the best estimate (50th percentile) of the SSP3-7.0 high greenhouse gas emissions scenario and the upper limit estimate (95th percentile) of the SSP2-4.5 intermediate greenhouse gas emissions scenario. 4.5°C of global warming above the baseline period is representative of the best estimate (50th percentile) of the SSP5-8.5 very high greenhouse gas emissions scenario. At the time of writing, strong evidence, including the 2024 United Nations Emissions Gap Report (UNEP 2024), indicates that the worlds emissions are continuing to track on the trajectory of upper estimates of greenhouse gas emissions representative of SSP5-8.5 scenario (Climate Change Scenario 2).

Climate change is expected to increase both the intensity of storm rainfalls and mean sea level beyond already observed change in both of these key determinants of flood risk. Increased rainfall intensity will increase the amount of inland catchment rainfall runoff, which affects the magnitude of flood flows in the Merri River. Sea level rise will make storm tide events more severe and will also back water further up the Merri River estuary, progressively increasing the height of riverine flood levels in comparison to flood events of the past.

Climate Change Scenario 2, selected as the climate scenario for draft planning scheme mapping, represents a 41% increase in rainfall intensity and 1.2 m of sea level rise. This results in 1% AEP riverine water levels approximately 0.6 m higher than current climate conditions at Dennington. This is the equivalent of a 1 in 350 AEP event under current climate conditions or an event which is currently expected only to have a 20% chance of occurring in an 80 year lifespan increasing to a 55% chance of occurring. To provide further context of the influence of climate change on riverine flooding, based on a baseline period between 1961 to 1990 the 1946 event would have an estimated flood magnitude of approximately 1 in 300 AEP, which is reduced to 1 in 150 AEP under current climate conditions and 1 in 60 AEP in 2100.

Increases in flood level for storm tide events for the climate change scenarios are consistent with the magnitude of sea level rise.

The feasibility of three structural mitigation options were assessed in the flood model. The options assessed had the aim of mitigating riverine flooding in the urban area of South Warrnambool downstream of Swinton Street. The assessment showed that restricting flow through Swinton Street either by reducing the flow area under the Swinton Street bridge (one option) or by installing flood gates (another option) would significantly reduce flood levels and the number of houses with above floor flooding. The benefits were greater than a third option investigated which was to increase the flow capacity of the Merri River Cutting. However, the option to restrict flow through Swinton Street would increase upstream flood levels. To manage the increases in flood level significant works are required in Kelly Swamp and Saltwater Swamp to allow more flow to pass through Rutledges Cutting. These works include extensive excavation with a very high capital cost resulting in low

benefit-cost ratios and the potential to have detrimental environmental and cultural heritage impact on the nationally significant Lower Merri River Wetlands.

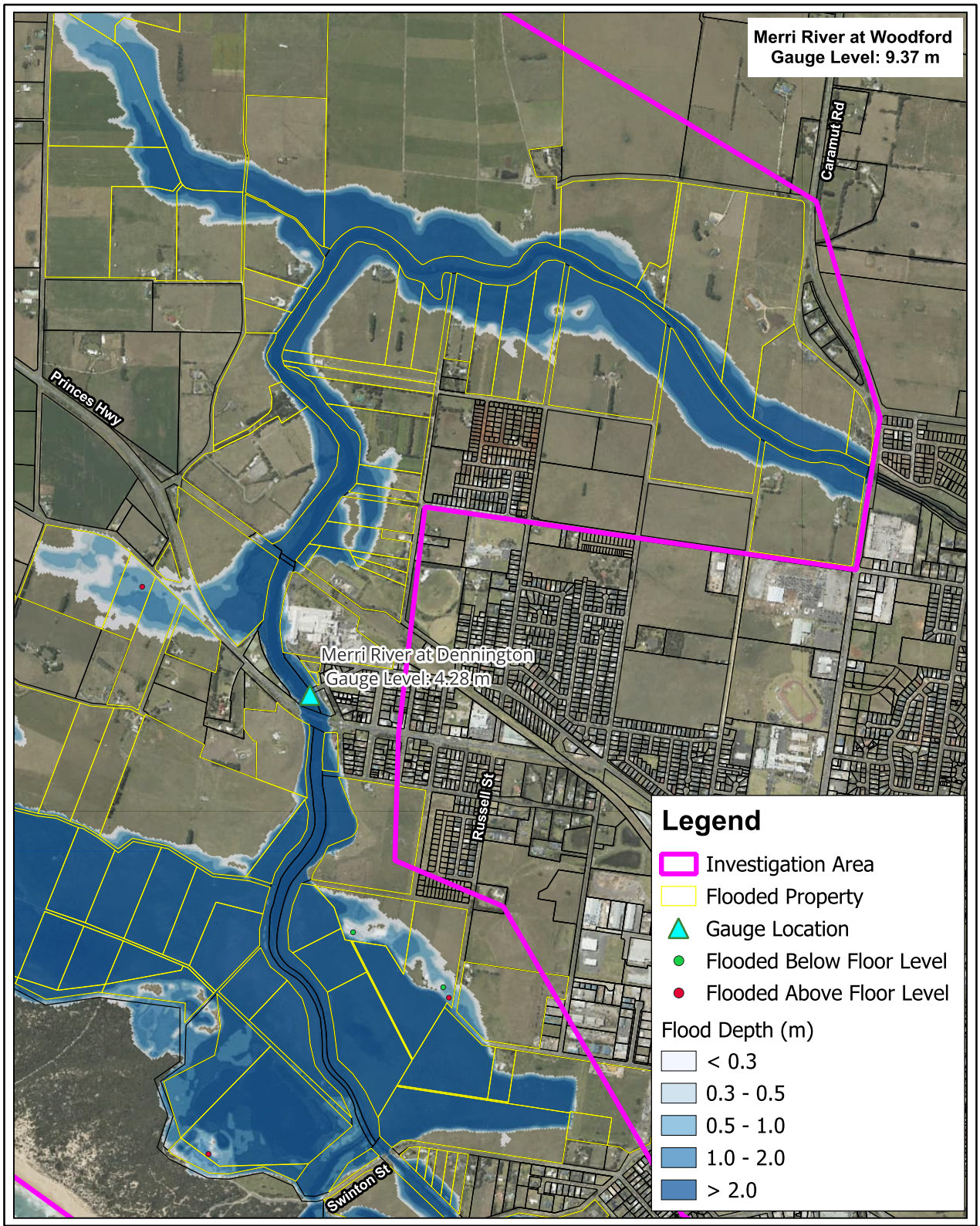
There are currently a number flood risk related planning controls in place for Dennington and South Warrnambool including Urban Flood Zone (UFZ), Floodway Overlays (FO) and Land Subject to Inundation Overlay (LSIO). In South Warrnambool the planning controls were first implemented in the mid-1990s. In the mid-2010s the planning controls were updated north-west of Block Street and extended to include Dennington based on the South Warrnambool Flood Study (Water Technology 2007a) and Dennington Flood Study (2007b). The flood risk mapping produced by this Investigation provides the foundation for updating the Warrnambool Planning Scheme. For South Warrnambool and Dennington this will be achieved through application of the Land Subject to Inundation (LSIO) and Floodway (FO) overlay to the flood prone land in and around both townships and will represent the best available flood modelling and climate science at the time of the Investigation.

The Investigation has involved assessment of the feasibility of improving flood forecasting and warning arrangements for South Warrnambool and Dennington as well as providing tools to aid this process. The outputs of this Study can also be used to improve the communities' and emergency response agencies' abilities to plan for and respond to flood events. This mainly involves updating the Warrnambool City Council Flood Emergency Plan (MFEP) to include flood intelligence or warning information along with improving interpretation and communication of flood risk to the community. Fifteen recommendations are made with priorities assigned.

In light of the outcomes of the Investigation summarised above, the key outcomes are:

- Thorough documentation of the history of flooding across the Investigation Area based on the historical information discovered during the study
- Hydrologic (RORB) and hydraulic (TUFLOW) models that are well calibrated to the available historic flood event data providing confidence that the flood risk mapping and flood emergency response planning (flood intelligence) outputs reflect the likely real world extent, depth and velocity of the modelled flood risk scenarios. The calibrated models have enabled:
    - Provision of knowledge and data around the expected effects of climate change (primarily increase in rainfall intensity and rising mean sea level) on flood risk into the foreseeable future
    - Delineation of appropriate extents for land use and development planning controls for incorporation into the Warrnambool Planning Scheme and mitigation of flood risk via the planning system
    - Development of a range of reliable products to support improvement of flood emergency response procedures and actions, including updating of the Municipal Flood Emergency Plan (MFEP)
- Average annual damage (AAD), which represent the average flood damage in present day monetary terms per year that would occur over a long period of time, estimates of $626,000 for riverine events and $101,000 for storm tide events bringing the total AAD estimate up to $727,000
- The feasibility of three structural mitigation options were assessed in the flood model. The options assessed were broadscale options with the aim of mitigating riverine flooding in the urban area of South Warrnambool downstream of Swinton Street. While these options were successful in mitigating the risk of riverine flooding, they involve extensive excavation with a high capital cost (and in turn a low benefit-cost ratio) and the potential to have detrimental environmental and cultural heritage impact on the nationally significant Lower Merri River Wetlands.
- Demonstrated that the development of a flood warning service operated by the Bureau of Meteorology for the communities of South Warrnambool and Dennington is feasible with much of the infrastructure required already in place. However, there is still significant investment required and the Bureau of Meteorology will prioritise the development of a system across catchments country wide. This

Investigation has provided tools and identified measures that will improve the flood warning arrangements in lieu of a formalised service.



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (North)

Figure:	Rev:			By: TL	
1	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

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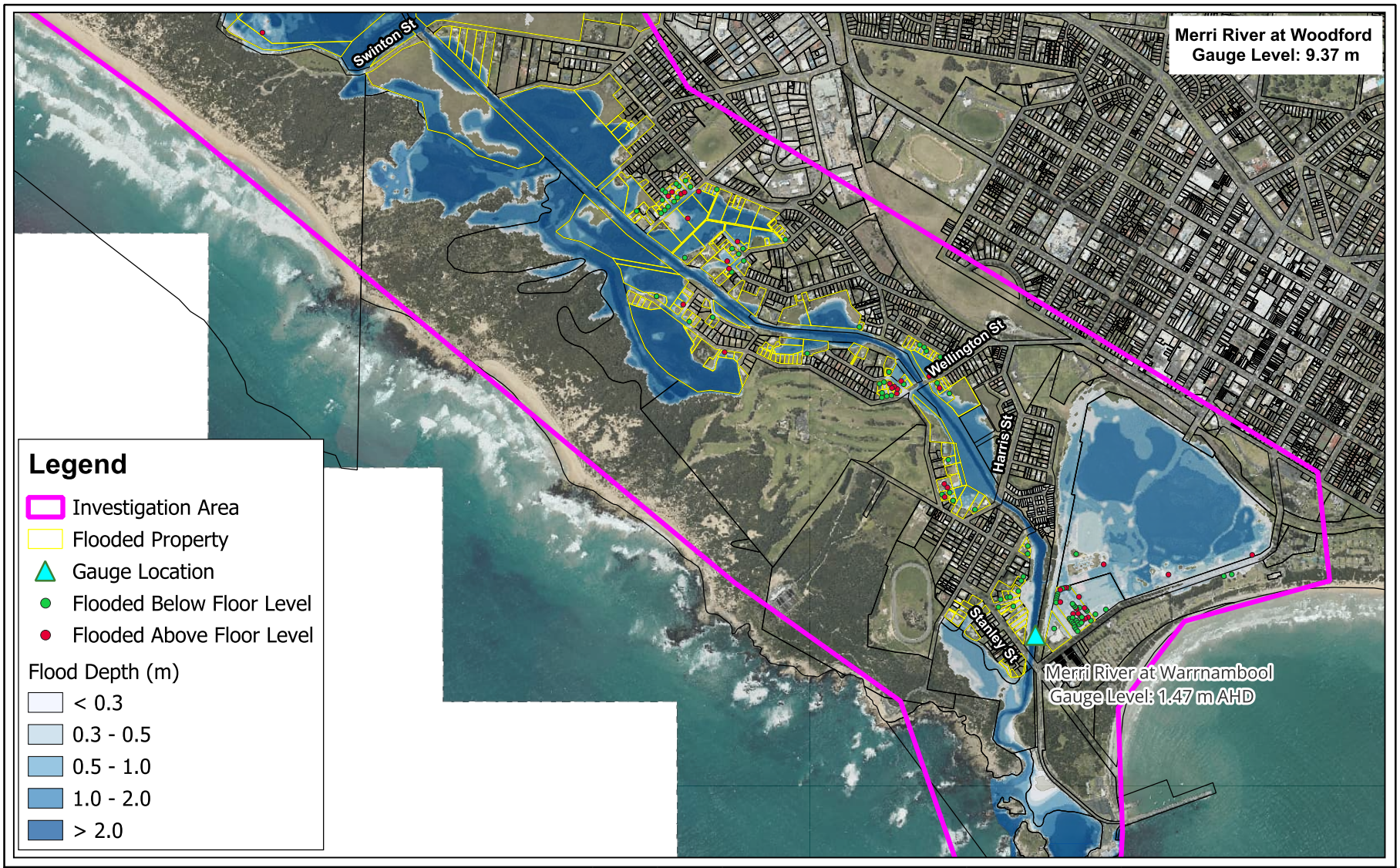

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (East)

Figure: 2

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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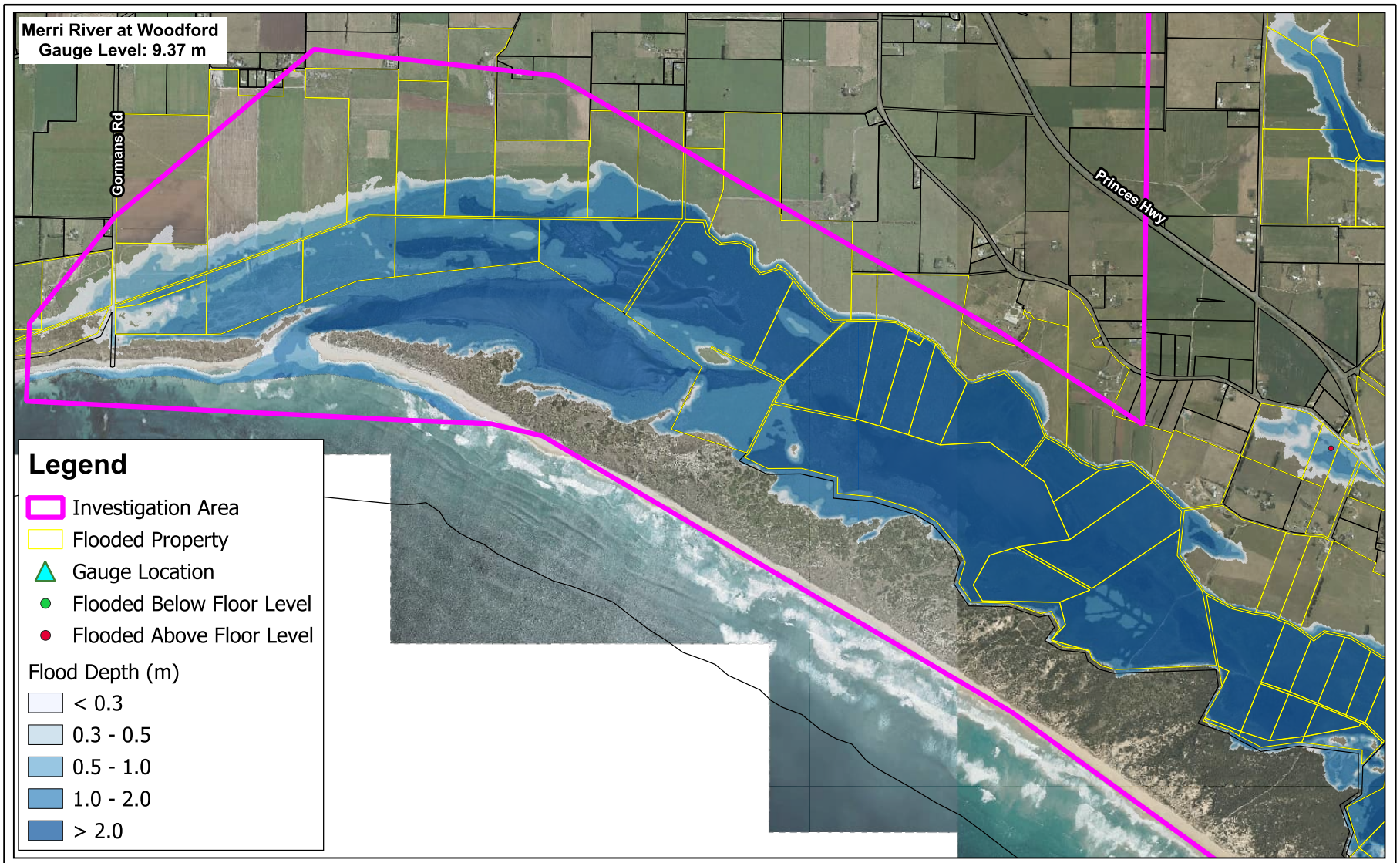
By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (West)

Figure: 3

Rev: A

0 400 800 m

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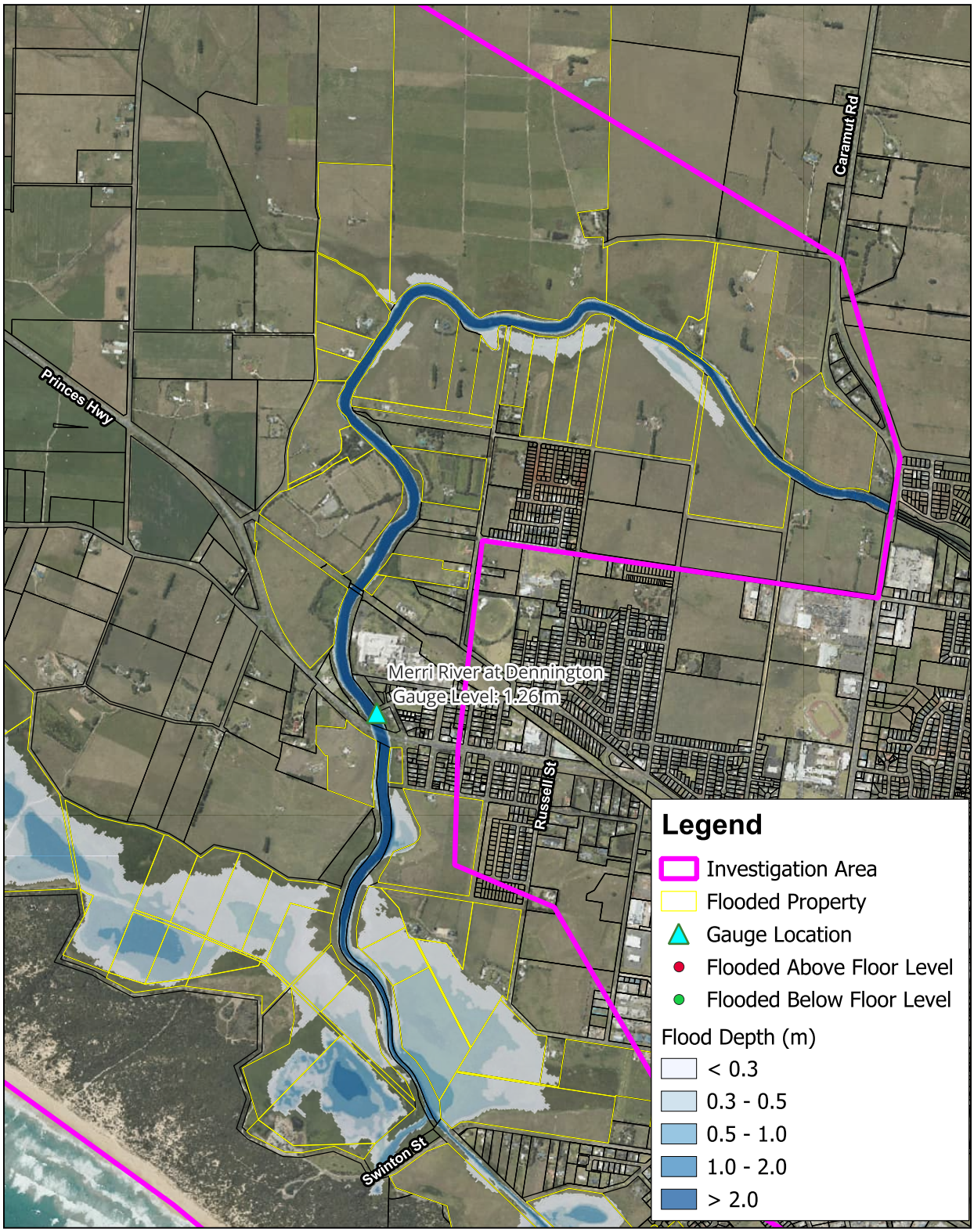
May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Storm Tide Peak Flood Depth (North)

Figure:	Rev:			By: TL
4	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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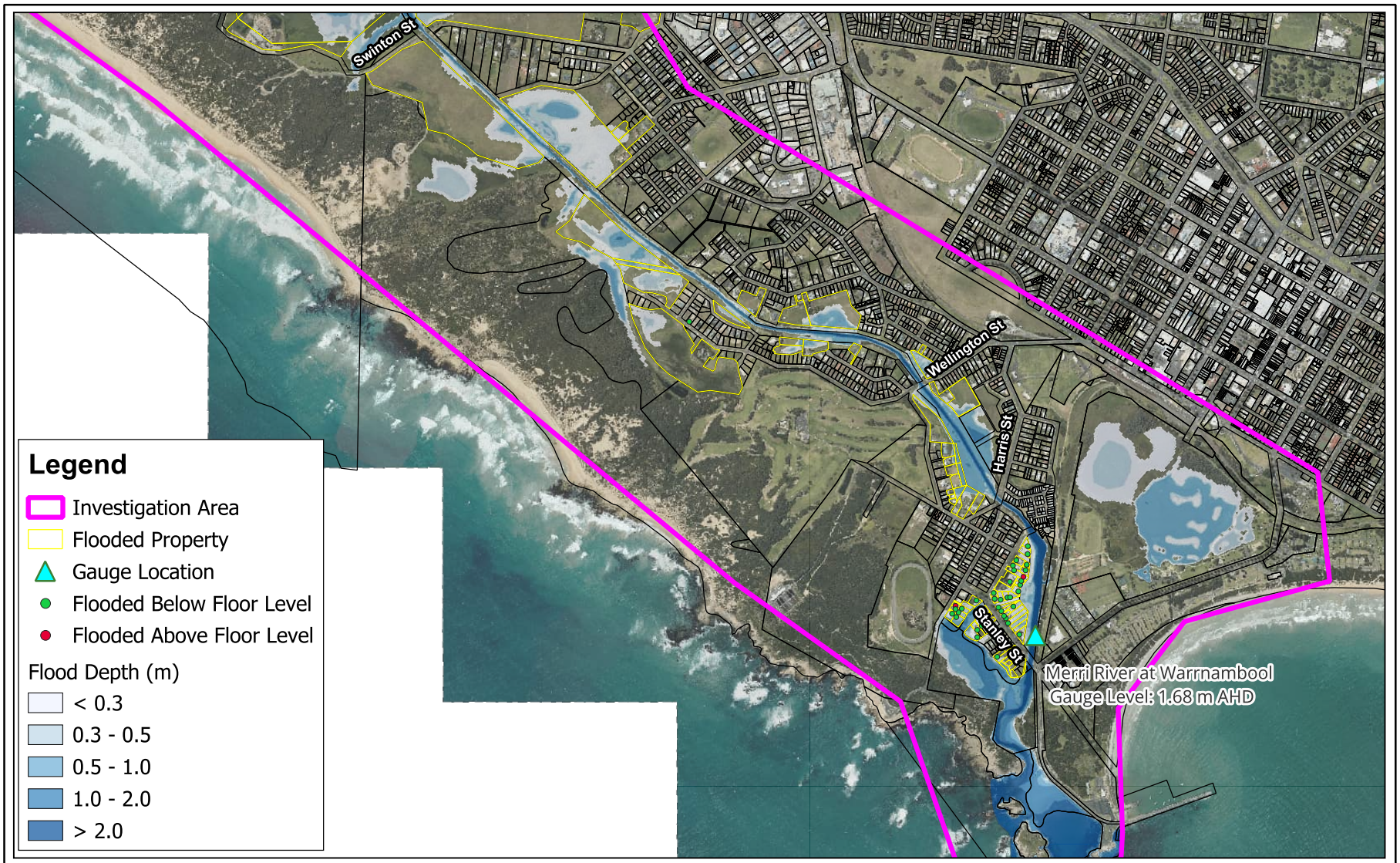

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Depth (East)

Figure: 5

Rev: A

0 350 700 m

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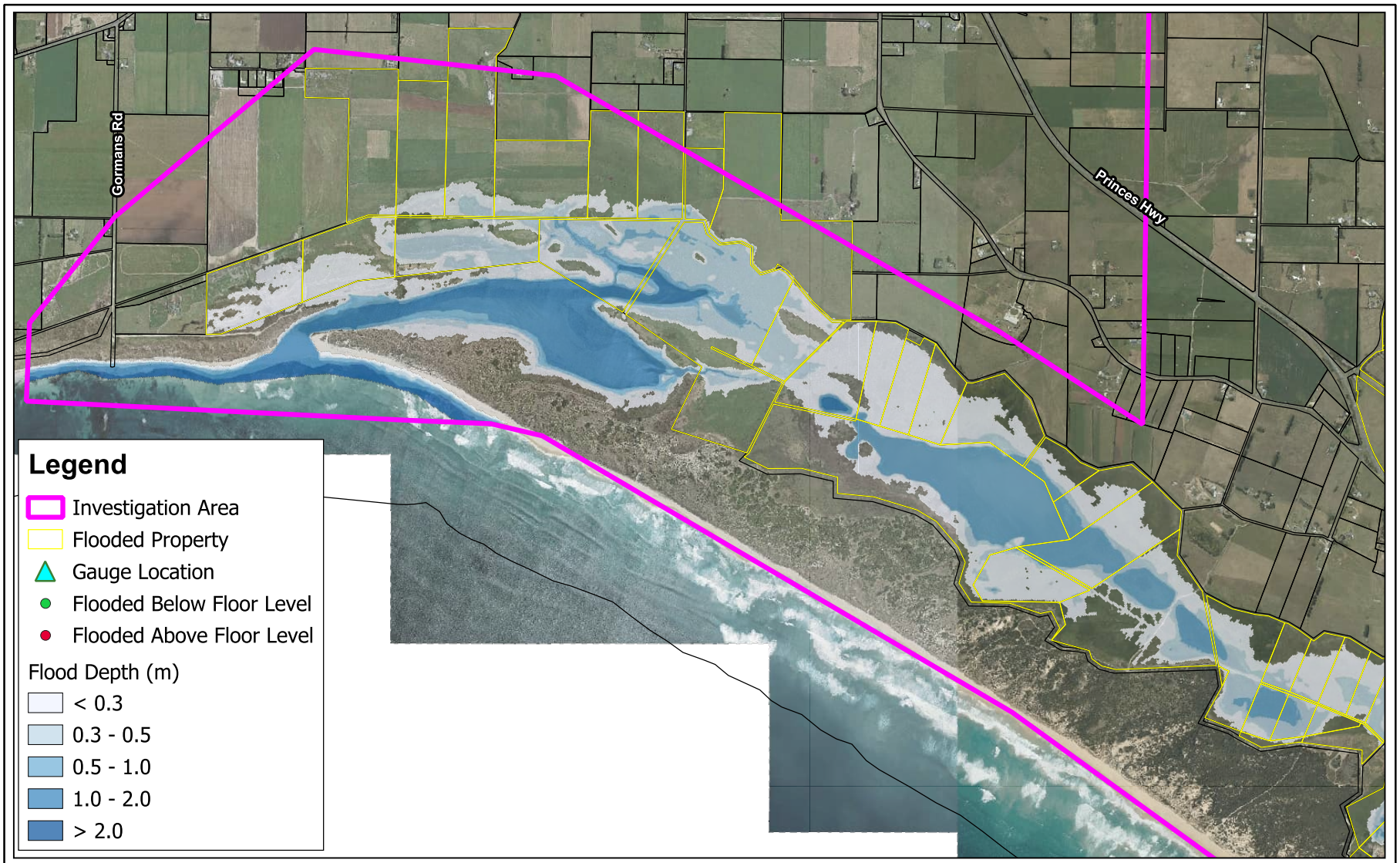
May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Depth (West)

Figure: 6

Rev: A

0 400 800 m

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By: TL

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Definitions

Annual Exceedance Probability (AEP)	The chance of a flood of a given size (or larger) occurring in any one year, usually expressed as a percentage. For example, if a peak flood level of 8 m has an AEP of 10%, it means that there is a 10% chance (i.e. a 1 in 10 chance) of a peak flood level of 8 m being equalled or exceeded in any one year.
Australian Height Datum (AHD)	National survey datum corresponding to about mean sea level.
Australian Rainfall and Runoff (ARR)	The current (Version 4.1) guidelines for flood modelling in Australia.
Average Annual Damages (AAD)	The average flood damage in monetary terms per year that would occur over a long period of time.
Benefit-Cost Ratio (BCR)	The ratio of the benefits of a project or proposal, expressed in monetary terms, relative to its costs, also expressed in monetary terms. A ratio greater than 1.0 indicates that the benefits are greater than the costs while a ratio less than 1.0 indicates that the costs are greater than the benefits
Catchment	The area of land that drains to a particular point.
Design flood	A theoretical flood representing a specific likelihood of occurrence (for example the 1% AEP flood).
Estuary	The lower sections of rivers where they meet the sea and the fresh river water mixes with the salt water of the ocean.
Flood behaviour	The pattern / characteristics / nature of a flood.
Flood depth	The height or elevation of floodwaters above ground level.
Flood level	The height or elevation of floodwaters relative to a datum (typically the Australian Height Datum).
Flood model	The model developed for this Investigation inclusive of both the RORB hydrologic and TUFLOW hydraulic models
Highest Astronomical Tide	The highest level of water which can be predicted to occur under any combination of astronomical conditions.
Hydraulics	The study of water flow in rivers, estuaries and coastal systems.
Hydrograph	A graph showing how a river or creek's discharge changes with time.
Hydrology	The study of the rainfall-runoff process in catchments.

LiDAR	Remote (aerial) sensing method that uses light in the form of a pulsed laser to measure distance to the Earth. This is used to generate detailed 3D topographical information across an area.
Mean Higher High Water (MWWH)	The mean of the higher of the two daily tide high waters over a period of time.
Probable Maximum Flood	The largest flood that could conceivably be expected to occur at a particular location.
RORB	Rainfall-runoff routing computer model for hydrologic analysis of catchment runoff.
TUFLOW	Fully two-dimensional and one-dimensional unsteady flow hydraulic computer modelling software.
Velocity	The speed at which the floodwaters are moving.

Abbreviations

AAD	Average Annual Damages
AGCD	Australian Gridded Climate Data
AHD	Australian Height Datum
ARR	Australian Rainfall and Runoff (Version 4.1)
BCR	Benefit-Cost Ratio
BoM	Bureau of Meteorology
CFA	Country Fire Authority
Council	Warrnambool City Council
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DEECA	Department of Energy, Environment and Climate Action
DEM	Digital Elevation Model
DTP	Department of Transport and Planning
GHCMA	Glenelg Hopkins Catchment Management Authority
EEMSS	Estuary Entrance Management Support System
EMV	Emergency Management Victoria
HAT	Highest Astronomical Tide
IFD	Intensity-Frequency-Duration
IRI	Increased Rainfall Intensity
LFG	Warrnambool Local Flood Guide
MFEP	Warrnambool City Council Flood Emergency Plan
MHHW	Mean Higher High Water
MSL	Mean Sea Level
NSE	Nash Sutcliffe Efficiency
PMF	Probable Maximum Flood
RRV	Regional Roads Victoria
PRG	Project Reference Group
SRWSC	Sate Rivers and Water Supply Commission
SLR	Sea Level Rise
SSP	Shared Socioeconomic Pathway
SWL	Still Water Level
TFWS	Total Flood Warning System
The Investigation	South Warrnambool Flood Investigation

The Catchment	The Merri River catchment to the estuary mouth at Warrnambool
VICSES	Victoria State Emergency Service

1 Introduction

This report provides a summary of the South Warrnambool and Dennington Flood Investigation (the Investigation). This information summarised in this report is detailed in the supporting technical reports:

- Data Review Report (Venant Solutions 2023)
- Flood Modelling Report (Venant Solutions 2024)
- Flood Damages and Mitigation Feasibility Assessment Report (Venant Solutions 2025a)
- Flood Warning Feasibility Assessment Report (Venant Solutions 2025b)

The reporting is supported by investigation deliverables including:

- Calibrated and validated RORB hydrologic and TUFLOW hydraulic models and results
- GIS flood mapping and Spatial Data Specification outputs
- Flood animations
- Draft planning scheme overlay mapping
- Municipal Flood Emergency Plan updates

1.1 Background

Warrnambool is a city of 35,400 people (as of the 2021 Census) and growing. To date the best available mapping for the South Warrnambool and Dennington areas are the 2007 South Warrnambool Flood Study (Water Technology 2007a) and Dennington Flood Study (Water Technology 2007b) and its subsequent updates. Since the completion of the 2007 studies Version 4.1 of Australian Rainfall and Runoff (ARR) (Ball, et al. 2019) was released in 2019 which provides significant progress in the methodologies used to undertake flood modelling and mapping assessments. A major update to the guidance on how to consider climate change in flood investigations was also released in late 2023 (DCCEEW 2023). There has also since been three significant flood events occur, the 2020 riverine flood event and the 2009 and 2014 storm tide flood events.

Warrnambool City Council (Council) in partnership with the Glenelg Hopkins Catchment Management Authority (GHCMA) were successful in gaining funding from Emergency Management Victoria (EMV) to engage Venant Solutions to undertake this Investigation to update existing riverine flood risk modelling and develop new storm tide risk mapping for South Warrnambool. Venant Solutions has completed this investigation with support from consultants BMT for the storm tide assessment and PM Design Group for the structural mitigation option assessment. This information will be used for the following purposes:

- Update knowledge and data around impacts of climate change induced increases in frequency of extreme events, sea level rise and storm tide flooding to enable more effective planning for a worsening flood risk profile for South Warrnambool and Dennington
- Amendment of flood related land use and development controls in the Warrnambool planning scheme
- Assess feasibility for establishing flood alerting/warning arrangements (including for significant storm tide events)
- Provision of flood mapping & intelligence products for the entire project area to inform and develop:
  - Emergency response planning
  - Heightened community flood resilience
- Provision of reliable flood risk information for insurance purposes
- Assessing the feasibility of implementing structural flood mitigation works

A Project Reference Group (PRG) with representatives from the local community, VicSES, Moyne Shire Council, Department of Energy, Environment and Climate Action (DEECA), Eastern Maar Aboriginal

Corporation, Bureau of Meteorology (BoM) and Parks Victoria has been established to provide oversight and local input throughout the Investigation.

1.2 Investigation area and catchment description

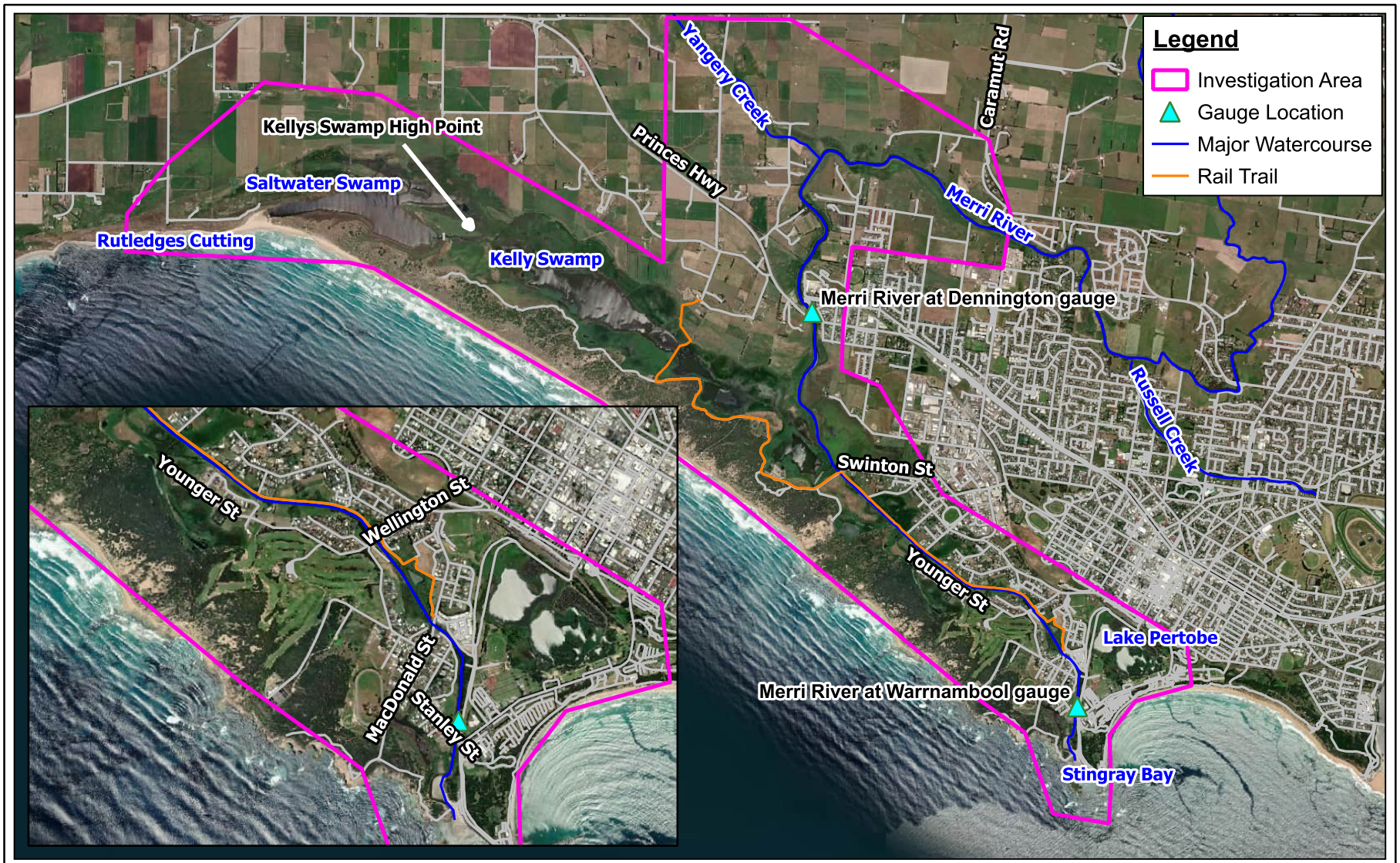
Warrnambool is located approximately 225 km south-west of Melbourne. The city centre and most of its residences are primarily located on the eastern bank of the Merri River (Figure 1-1). The Investigation Area extends from Cassidys Bridge (Caramut Road) at the upstream end, along the Merri River floodplain through Dennington then east past South Warrnambool to the Merri River mouth and west through Kelly and Saltwater Swamps to Rutledges Cutting.

The Eastern Maar are the traditional owners of the South Warrnambool area. Locally the area was inhabited by the Tarerergundidj clan whose name 'Tarerer' referred to a large swamp between the Merri River and Tower Hill believed to be what is now known as Kelly Swamp (Clark 1990). The Tarerer Swamp is a significant site as a place where large gatherings of coastal clans occurred when whales were present along the coastline (Clark 1990).

The Merri River catchment (the Catchment) (Figure 1-2) flows in a generally southerly direction. Spring Creek flows through the town of Woolsthorpe upstream of the confluence with Bullanbul Creek, which then becomes the Merri River. Further downstream another major tributary, Drysdale Creek, flows into the Merri River at Grassmere before flowing through Woodford and reaching the coast at Warrnambool. To the downstream extent of the Investigation Area the Catchment has an area of 1,067 km^2. The primary land use within the Catchment beyond the residential and commercial areas of Warrnambool itself is agriculture.

Generally, the waterways and gullies in the Catchment upstream of Dennington are well defined. The main channels of both Spring and Drysdale Creeks are moderately vegetated, while the Merri River main channel is relatively clear, with dense vegetation along the banks. Historically, the Merri River flowed south from the Princes Highway at Dennington to discharge (Gill 1985). Over the past 6000 years coastal processes resulted in the formation of the coastal dune system both forming Kelly Swamp, which was then a bay, and diverting the Merri River eastwards to have its mouth at its current location in Stingray Bay. The Merri River followed a natural river alignment through the South Warrnambool floodplain generally south of the Merri River cutting to discharge into Stingray Bay via the South Warrnambool wetlands. However, since the 1800s there have been significant changes to the South Warrnambool floodplain including the construction of the Merri River cutting to help scour sand deposits in the Warrnambool Harbour, cutting off the natural alignment of the Merri River channel which flowed through the Warrnambool Golf Club and Thunder Point Raceway, and excavation of Rutledges Cutting making it a more permanent connection to the coast. At present during large riverine flood events approximately 80-90% of flow passes through the swamps to Rutledges Cutting while the remaining flow passes through the Merri River cutting to Stingray Bay.

There are three key stream gauges located on the Merri River used in this Investigation, the Merri River at Woodford (236205B) gauge (Figure 1-2) and the Merri River at Dennington (236218B) and Merri River at South Warrnambool gauges (Figure 1-1). At the time of documenting this Investigation the Merri River at Dennington gauge is under construction so gauge records are not yet available, noting that there was previously a stream gauge in Dennington between 1979 and 1985. The Merri River at South Warrnambool gauge is operated by the GHCMA and the gauge records are not publicly assessable.



Title: South Warrnambool and Dennington Flood Investigation Investigation Area layout	Figure: 1-1	Rev: A	0 0.8 1.6 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	VENANT SOLUTIONS www.VenantSolutions.com.au
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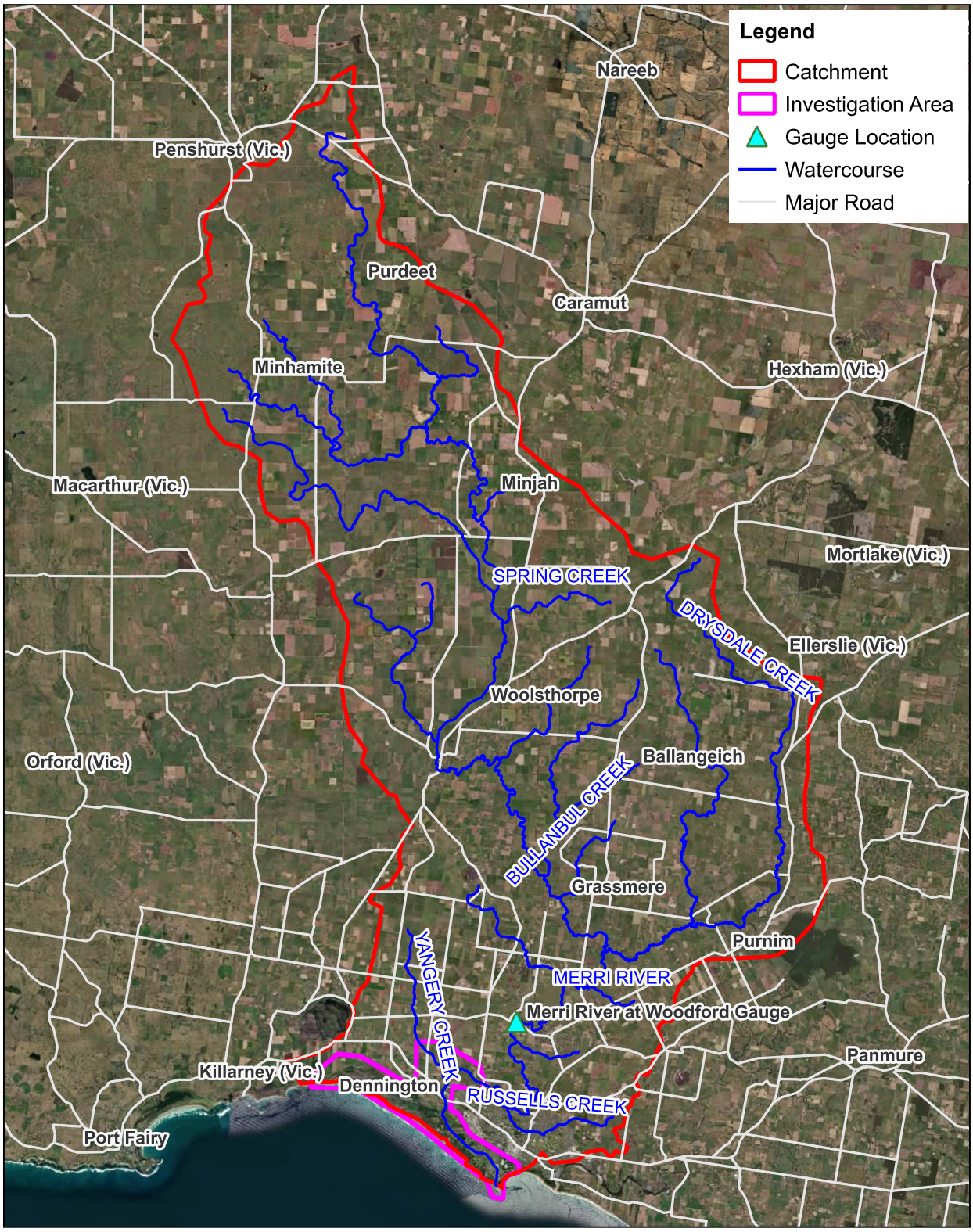

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Catchment and Investigation Area Layout

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1.3 History of flooding in South Warrnambool and Dennington

There is a long and well documented history of flooding in South Warrnambool and Dennington with the earliest reports of flooding in region dating back to 1870 with the first report found specifically mentioning flooding on the Merri River being from 1908 where it was reported that at Woodford water levels were "15 feet above normal level, and 3 feet below the bridge decking" ('Flood at Warrnambool', *Camperdown Chronicle* (5 September 1908), 1).

In March of 1946 the most significant flood event in the south-west region of Victoria since at least 1870 occurred. Following this event the State Rivers and Water Supply Commission prepared a report on the magnitude and impacts of the flood (SRWSC, 1946). Since then many flood studies along the Merri River have assessed the magnitude of this event. In 1948 the Merri River at Woodford stream gauge was installed providing a good record of riverine flooding on the Merri River since then. Figure 1-3 shows the history of flooding at Woodford including an estimate of the 1946 event with the magnitude of design events under current climate conditions shown as a point of comparison. The magnitude of significant riverine events to occur since 1946 in relation to current climate conditions at the Merri River at Woodford gauge are:

- 1946 – 1 in 150 AEP
- 1953 – 14% (1 in 7) AEP
- 1960 – 13% (1 in 8) AEP
- 1978 - 13% (1 in 8) AEP
- 2001 – 9% (1 in 11) AEP
- 2010 – 9% (1 in 11) AEP
- 2016 – 14% (1 in 7) AEP
- 2020 - 6% (1 in 18) AEP

It should be noted that these historic event magnitude estimates shown in Figure 1-3 are based on flow at the Merri River at Woodford gauge and may not represent the magnitude in South Warrnambool or Dennington. This is because if heavy rainfall falls in the lower catchment, flow originating from Russell Creek and Yangery Creek will not be included. Anecdotal information provided by the community indicated that this may have occurred in the 1980s, presumably either in 1983 or 1984 which are approximately 20% AEP events, where it was observed that flood levels were similar to the larger recent events such as in October 2020.

A detailed description of the March 1946 and October 2020 events used in the flood model calibration and validation is provided in the following sections.

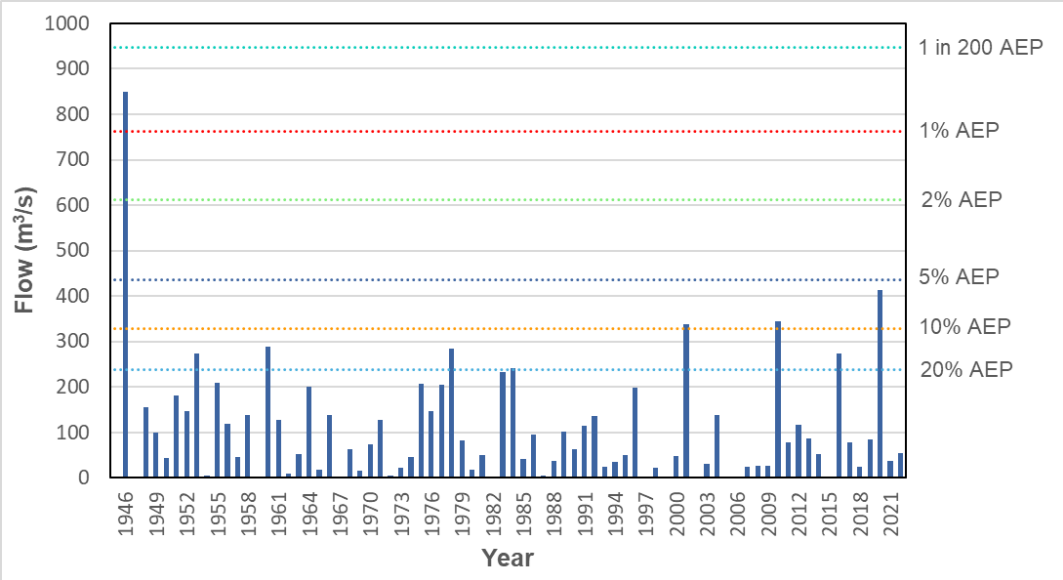


Figure 1-3 History of flooding at Merri River at Woodford gauge

The history of storm tide flooding in South Warrnambool and Dennington is hard to define with offshore ocean height records not always correlating to levels in the Merri River cutting estuary because they do not take into account near shore wave setup (the increase in the mean water level towards the shoreline caused by wave action). It wasn't until 2017 that the stream level gauge at Warrnambool was installed and since then no significant storm tide events have been recorded. This leaves flood photography and surveyed flood levels of the April 2009 and June 2014 events as the only ones with information available and were selected for flood model calibration and validation. The magnitude of the June 2014 and April 2009 storm tide events are equal to approximately the 5% and 10% AEP respectively as shown in Figure 1-4 and a detailed description of the events is provided in the following sections.

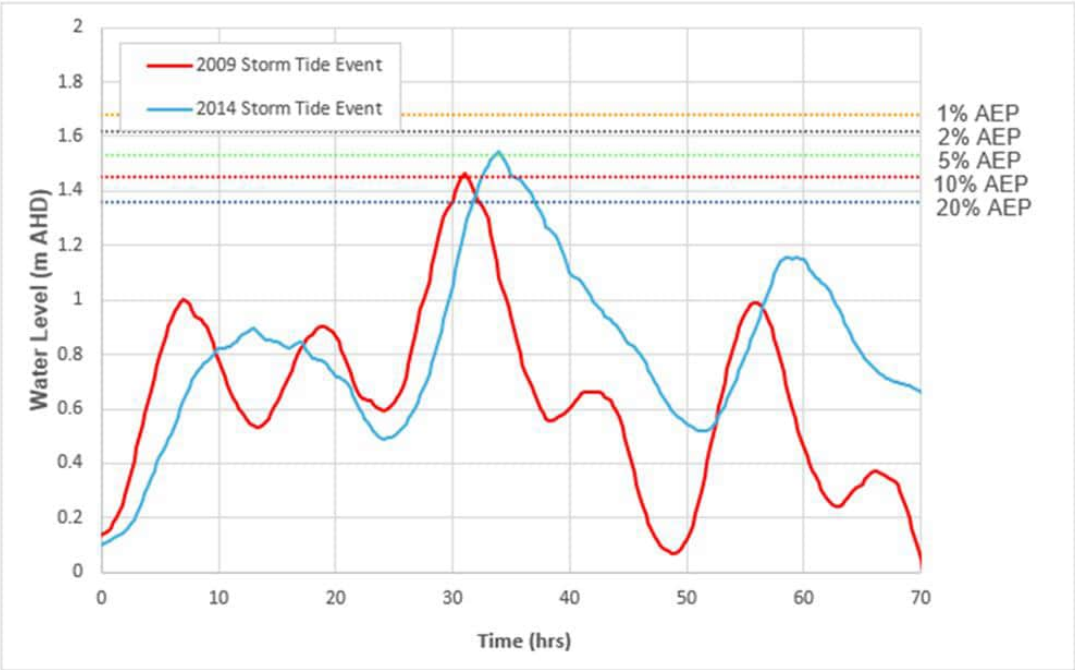


Figure 1-4 Storm tide event magnitudes at the Merri River at Warrnambool gauge

1.3.1 March 1946 riverine event description

The March 1946 riverine flood event is the largest reported on the Merri River since at least 1870. The storm event started on the 15th of March and lasted for three days with most intense period of rainfall occurring over 24 hours from 9:00 am on the 16th of March. Over the three day period a total rainfall of between approximately 140 mm near Ellerslie and 270 mm near the coast fell over the catchment resulting an estimated rainfall magnitude of approximately a 1 in 180 AEP across the catchment. If the rainfall fell in a shorter more intense burst the estimated rainfall magnitude could be higher.

There is limited information available on the impacts of this event in South Warrnambool but further upstream at Dennington a photograph is available of flooding over the old Princess Highway at the Dennington Bowls Club (Figure 1-5), and Cassidys Bridge was washed away (Figure 1-6). It was also observed that at the railway bridge a few hundred yards upstream of the Princes Highway (now removed but the abutments and bridge structure either side of the channel remain) there was a significant difference between the upstream and downstream water levels due to debris blockage and a reported under sizing of the bridge opening (SRWSC 1946). Based on aerial photography captured in 1947 it is estimated that Rutledges Cutting scoured to an opening width of approximately 1 km.

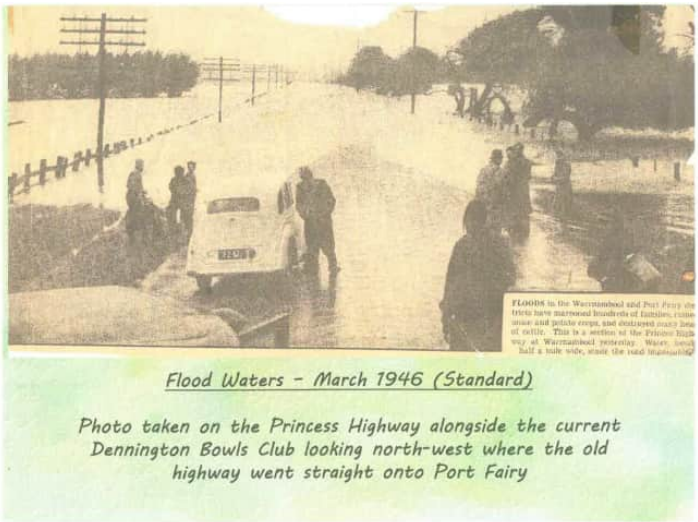


Figure 1-5 Photo of March 1946 event at Dennington (image courtesy of David Skinner)

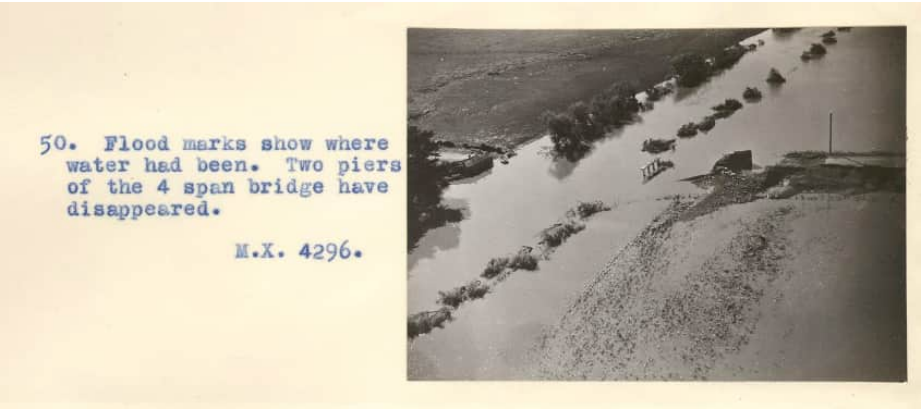


Figure 1-6 Photo of Cassidy's Bridge after the 1946 flood (SRWSC 1946)

At Woodford there is significantly more information available including multiple photos and videos of the event. One of these photos is of flooding of the old police station (Figure 1-7) which is still standing as a house at 233 Bridge Road, Woodford (Figure 1-8). Using survey of the house and assuming that the photograph was taken near the peak of the flood, a minimum flood level of 16.0 m AHD at the front of the house and 15.3 m AHD at the side of the house could be estimated. This allowed for a flow estimate of between 800 m^3/s and 1,100 m^3/s (range due to localised changes in observed water level as flow hits the building) to be derived from the detailed hydraulic model setup to verify the Merri River at Woodford rating curve (Section 3.4.1). This confirmed the peak flow estimate of 850 m^3/s from the North Warrnambool Flood Study (Cardno 2010) which is considered the most robust of the previous peak flow estimates.

Figure 1-7 Woodford during the 1946 flood event (SRWSC 1946)

Figure 1-8 233 Bridge Road, Woodford present day

At Cassidys Bridge the estimated AEP of the event is approximately 1 in 155 AEP. This is slightly rarer than the estimate at Woodford due to high rainfall over the lower catchment. These estimates are significantly lower than some previous estimates of up to a 1 in 1,000 AEP event (Cardno 2010). The higher of these estimates was based on an estimated rainfall of 130 m over 24 hours and outdated design rainfall estimates which under current climate conditions relates to 1 in 80 AEP rainfall event. Regardless, estimating the magnitude of flood events based on a reliable flow estimate to design event flow estimates which represent current climate conditions is considered a more robust approach than estimates made based on rainfall because it takes into account variables such as catchment antecedent conditions “wetness” that influence the conversion of rainfall to flood flows. Flow estimates are also considered more reliable than estimates made on flood level because changes in the physical catchment conditions such as removing the old railway bridge over the Merri River will influence the observed flood levels.

1.3.2 October 2020 riverine event description

The October 2020 riverine flood event is the largest since the Merri River at Woodford stream gauge opened in 1948. The storm event began on the afternoon of the 7th of October and continued into the early morning of the 8th of October with the most intense rainfall falling in the evening of the 7th of October. The rainfall recorded at Warrnambool Airport was approximately equal to a 36 hour 15% AEP event. This resulted in a recorded peak flow of 414 m^3/s at the Merri River at Woodford gauge and an AEP of approximately 6% (1 in 18) at Woodford and Cassidys Bridge.

Flood levels during this event neared those mapped for the 1% AEP event in the 2007 South Warrnambool and Dennington Flood Studies (Water Technology 2007a and 2007b). VICSES records that are documented in the Municipal Flood Emergency Plan show that 13 houses were inundated during this event with flooding threatening 16 more. The Woodford Primary School was closed, the levee protecting the Midfield Meats Rendering Plant failed and several roads were closed including Younger Street, Morse Street, Denman Drive, Obrien Street, Mervue Court, Wellington Street, Northcote Drive, Landmann Street, Wilson Street, Braithwaite Street, and Farnham Road.

A selection of photos taken during the event flood are shown in Figure 1-9 to Figure 1-13.

Figure 1-9 Photo of flooding at the corner of O'Brien and Younger Streets looking south

Figure 1-10 Photo of flood extent taken from near MacDonald Street bridge looking north-west towards Mcgennan Street

Figure 1-11 Photo of flooding at 32 Landmann St

Figure 1-12 Photo of flooding temporary levee at the Midfield Meats Rendering Plant with helicopter dropping sandbag

Figure 1-13 Photo of flooding at the Esplanade looking north-west towards the Dennington Boat Ramp (image courtesy of Graham Conn)

1.3.3 April 2009 storm tide event description

The April 2009 storm tide event occurred from the 25th to the 27th of April with peak storm occurring on the 26th of April. The peak tide level estimate for this event 1.48 m AHD at Warrnambool is approximately a 10% AEP event.

There is little documented on the impacts of this event but there are several sets of photos available as shown in Figure 1-14 to Figure 1-16 that show low lying areas such as MacDonald Street and Ferrier Drive were inundated. Figure 1-14 which was taken looking out over Stingray Bay shows that the large waves breaking over Viaduct Road do not travel up the Merri River estuary

Figure 1-14 Photo of Stingray Bay

Figure 1-15 Photo looking east across inundated MacDonald Street

Figure 1-16 Photo of inundation of Ferrier Street and adjacent properties

1.3.4 June 2014 storm tide event description

The June 2014 storm tide event occurred from the 23rd to the 25th of June with peak storm occurring on the 24th of June. The peak storm tide level estimate for this event is 1.54 m AHD at Warrnambool or approximately a 5% AEP event. The storm tide levels were high enough to overtop the beach berm and open Rutledges Cutting.

As documented in the Municipal Flood Emergency Plan this event inundated more than 35 properties with one house on Ferrier Drive flooded above floor level and several other buildings flooded below floor level on Stanley Street, Edina Street, MacDonald Street, Elliott Street and Ferrier Drive.

A selection of photos taken during the are shown in Figure 1-17 to Figure 1-19

Figure 1-17 Photo at Charles Kane Park playground looking towards the Stanley Street bridge

Figure 1-18 Photo of inundation at MacDonald Street

Figure 1-19 Photo of inundated properties along Denman Drive

1.4 Investigation climate change scenarios

Two climate scenarios for the year 2100 have been assessed, referred to as Climate Change Scenarios 1 and 2 which represent an estimated 3.6°C and 4.5°C of global warming respectively from the baseline period between 1961 to 1990. These scenarios are based on global mean surface temperature projections from the Sixth Assessment Report of the United Nations Intergovernmental Panel on Climate Change Shared Socioeconomic Pathways (SSPs) as accessed via the Interactive Atlas. 3.6°C of global warming between 2081 and 2100 from 1961 to 1990 temperatures is representative of the best estimate (50th percentile) of the SSP3-7.0 high greenhouse gas emissions scenario and the upper limit estimate (95th percentile) of the SSP2-4.5 intermediate greenhouse gas emissions scenario. 4.5°C of global warming between 2081 and 2100 from 1961 to 1990 temperatures is representative of the best estimate (50th percentile) of the SSP5-8.5 very high greenhouse gas emissions scenario.

Increased rainfall intensity has been defined in accordance with the guidance provided in the Draft Update to Climate Change Considerations Chapter in Australian Rainfall and Runoff: A guide to Flood Estimation (DCCEEW 2023). This results in 32% and 41% increase in rainfall intensity from the 1961 to 1990 baseline for Climate Change Scenarios 1 and 2 respectively for storm duration greater than 24 hours.

It should be noted that since the climate change assessment was completed for the Investigation the draft climate change considerations have been incorporated into Version 4.2 of ARR (Version 4.1 was used for this Investigation). Version 4.2 of ARR uses the Summary for Policymakers report (IPCC 2021) as opposed to the Interactive Atlas used in the draft as the source of the global mean surface temperature projections. This has resulted in the global warming levels used in the calculation of increased rainfall intensity reducing from 3.6°C to 3.3°C for Climate Change 1 and from 4.5°C to 4.1°C for Climate Change 2 from the baseline period between 1961 to 1990. This results in the 32% and 41% increased rainfall intensity factors adopted in accordance with (DCCEEW 2023) being 3% and 4% higher for Climate Change Scenarios 1 and 2 respectively. This results in slightly conservative increased rainfall intensity factors been used.

Sea level rise has been defined in accordance with the guidance provided in the Tide Gauge Trigger Levels for Sea Level Rise Adaptation Pathways (Streamology 2022a). In accordance with current Victorian planning policy sea level rise of not less than 0.8 metres by 2100 must be planned for, so 0.8 metres has been adopted for Climate Change Scenario 1. Under Action 3.9 of the Marine and Coastal Strategy (DELWP 2022) the 0.8 m SLR benchmark is currently being reviewed and in the absence of the outcomes of the review Climate Change Scenario 2 uses 1.2 m of SLR representing the upper limit estimate (95th percentile) of the SSP5-8.5 very high greenhouse gas emissions scenario for 2100 (Streamology 2022a).

For brevity reasons only the flood mapping and intelligence outputs for Climate Change Scenario 2 have been presented in this summary report as it has been adopted for the preparation of draft planning overlay mapping. Reasoning for this decision is provided in Section 7.

2 Community engagement

Throughout the course of the Investigation, three community meetings were held at the Merrivale Recreation Reserve, as well an all-day drop-in listening-post style event hosted at the Harbour Pavilion at the beginning of the project. These in-person events were supported by an on-line survey, and updates and draft flood mapping posted via the Council's website. Below are some details on the community engagement activities:

- **Community Listening Post (1st of November 2022)** – This community information drop-in session was held to introduce the community to the Investigation and invite the community to share flood information and images. Attendees at the listening post provided feedback including identifying areas subject to flooding, identifying potential flood level marks for survey, raising concerns over changes to the floodplain which contribute to flooding and the identification of possible structural flood mitigation works. Six attendees also provided photography and videos to support their observations.
- **Community Survey** - To complement the Community Listening Post an on-line survey was provided via Council's website for any community members who wanted to participate, but were not able to attend in-person. The purpose of both the in-person and on-line events was to gain further information regarding the community's past experiences with flooding and the identification of potential mitigation options. In total there were 48 responses to the survey with 11 of the respondents having experienced flooding on their property.
- **Community Meeting (7th of June 2023)** – This community meeting provided an overview of the flood modelling methodology and presented the draft mapping (prior to the release of updated climate change guidelines). Feedback was sought on the accuracy of the mapping following the presentation and via presentation of the mapping on Council's website. The meeting was well attended, with Council staff estimating approximately 30 community members present. The event resulted in several new flood marks as well as additional photography which was used to refine the model.
- **Community Meeting (8th of November 2023)** – Prior to this community meeting a letter was distributed to the South Warrnambool community in late September 2023 asking for the identification of potential structural flood mitigation options. Twenty-five potential structural mitigation options were identified by the community. The meeting was attended by approximately 20 community members. At the community meeting updated flood mapping incorporating additional information provided by the community following the meeting held on the 7th of June 2023 was presented. This was followed by the presentation of six shortlisted structural flood mitigation options including an overview of what each option could entail, the likely effect on flood behaviour and possible "Pros" and "Cons" in relation to flood risk, economic feasibility, and social and environmental considerations. During the meeting each community member was provided with two tokens which they could use to place a vote for the options (Figure 2-1) which they would most like to see further assessed.

Figure 2-1 Photo of the structural options voting

- **Dennington Extension Engagement (July 2024)** - After it was decided to extend the model boundary upstream to better understand flood risk in Illowa and North Dennington, property owners and occupiers in the model extension area were notified via letter and invited to provide flood history information, and to ask questions about the investigation. As a result, further information about past flooding including photographs was gathered to validate the model in the extended area.
- **Community Meeting (11th of December 2024)** – At this community meeting (Figure 2-2) the final flood mapping representing the updated climate change guidelines was presented followed by a presentation of the structural flood mitigation options feasibility assessment and the draft planning scheme control updates. Approximately 50 community members attended this meeting.

Figure 2-2 Community meeting held on the 11th of December 2024

3 Data review

A comprehensive set of data was collected and reviewed for the Investigation from a broad range of resources including Council, GHCMA, DEECA, Department of Transport and Planning (DTP), BoM and publicly available datasets such the Water Measurement Information System (WMIS), Victorian spatial data online portal and the National Library of Australia's Trove newspaper online library. This data was supplemented by information provided by the community (refer to Section 2) captured during the site visits and field survey.

3.1 Previous Studies

There have been several previous flood and other relevant studies completed in the past for the Merri River covering the Investigation area. For this Investigation the three key previous studies are:

- **South Warrnambool Flood Study (Water Technology 2007a)** and **Dennington Flood Study (2007b)** – Detailed flood studies covering the current Investigation area using the methodologies and parameters defined in the now superseded 1987 release of the Australian Rainfall and Runoff Guidelines. Channel and bridge survey captured for these studies was used in the development of the TUFLOW model
- **Design of North Warrnambool Floodplain Management Plan (Cardno 2010)** – This detailed flood study of the North Warrnambool area provided a summary of past March 1946 event Merri River flow estimates and a flow estimate based on a calibrated hydraulic model

3.2 Historic flood data

The following historic flood information has been collected and reviewed in addition to the information provided by the community (Section 2):

- Flood level survey marks from eight past flood events including two marks from the March 1946 riverine event, 34 marks from the June 2014 storm tide event and approximately 400 marks from the October 2020 riverine event. These flood level marks came from several sources including datasets kept by the GHCMA, survey captured for the 2007 study, survey recorded at the Mervue Estate and on Morse Street.
- Spot heights from the Victorian Flood Database (VFD) including 9 levels from the March 1946 event
- Flood photography from nine previous flood events spanning from 2001 to 2020 supplied by the GHCMA. Additional photography was sourced from newspaper articles and other media
- Report on Western District Floods of March 1946 prepared by the State Rivers and Water Supply Commission (SRWSC 1946) included photography and information as summarised in Section 1.3
- The National Library of Australia's Trove newspaper online library (https://trove.nla.gov.au/newspaper/) was searched along with the Google News Archive (https://news.google.com/newspapers) and other media websites with reports of flooding along the Merri River found dating back to 1870

3.3 Topographical data

The following digital elevation models (DEM) and cross-section survey datasets were used in the Investigation:

- **2023 Portland DTV LiDAR**– Captured in 2023 this dataset was used as the primary piece of data to represent the topography of the Merri River floodplain in the hydraulic model
- **South-west Coastal DEM** – Captured between in between 2007 and 2008 this dataset was used to represent the Kellys and Saltwater Swamps floodplain west of the extent of the 2023 Portland DTV LiDAR in the hydraulic model
- **70 Younger Street Design Surface and Mervue Estate Survey** – Topography surfaces of recent developments to ensure they are represented in the hydraulic model

- **2007 cross-section survey** – Cross-section survey captured along the Merri River through the Investigation area for the 2007 studies that was used to represent the Merri River channel bathymetry
- **2017 Warrnambool LiDAR, Victorian Coastal DEM 2021 and Victorian Coastal DEM 2021 – 10 m** – These datasets were used to represent the nearshore bathymetry at Stingray Bay and Rutledges Cutting in the hydraulic model
- **National Intertidal DEM 25 m** – This dataset was used to represent Saltwater Swamp bathymetry in the hydraulic model
- **VicMap Elevation DTM 10m** – A course dataset with limited accuracy used for determining catchment and sub-area boundaries and slopes in the hydrologic model

The accuracy of the LiDAR datasets was verified and it was found they were appropriate for use in detailed hydraulic modelling.

3.4 Stream, reservoir, tide, estuary and rainfall data

The following stream, reservoir, tide, estuary and rainfall datasets were collected to inform the development and calibration of the flood model:

- Stream gauge level and flow data was sourced for four active and closed sites throughout the catchment
- Hourly tide level, including weather data, records were obtained for the Portland tide gauge data from the BoM for the period from 1991 to current. 2022 tide level predictions for Warrnambool, Port Fairy and Portland were obtained from the BoM
- Glenelg River Estuary Entrance Management Support System (EEMSS) records between 2007 and 2022 detailing estuary water levels and mouth opening conditions including berm height survey
- Daily (20 stations) and sub-daily rainfall (21 stations) rainfall data was sourced for active and closed stations in and near the Catchment.

3.4.1 Merri River at Woodford stream gauge rating curve review

Following a site visit and reviewing the published rating curve and flow gaugings (on-site recording of flow velocity to estimate a flow) for the Merri River at Woodford stream gauge potential issues which may influence the rating curve accuracy during high flow (flood) events were identified. These include:

- The highest flow gauging was taken at a level before the flow breaks out of the river banks
- The gauge is located adjacent to a bridge and immediately downstream of a sharp bend in the river likely resulting in complex flow behaviour
- The pully system (Figure 3-1) presumably used during high flow gaugings attaches to the bridge deck itself and does not span the entire channel width
- Inconsistencies between previous flow gaugings

Figure 3-1 Merri River at Woodford gauge pully system

To help resolve these issues and minimise the uncertainty in the flood event flow estimates used in the FFA and model calibration for this Investigation, verification of the rating curve using a hydraulic model was undertaken.

To do this a detailed TUFLOW 2D hydraulic model was developed for Woodford to verify the published rating curve. The results of this model which are presented in Figure 3-2 show that the modelled level-flow series provides a close match to the published rating curve up to a gauge level of approximately 3.5 m. Above this level the model indicates that for a given gauge level there is significantly more flow. This is often found when comparing published rating curves to hydraulic model results due to difficulties in obtaining physical flow gaugings during flood events. However, at the Merri River at Woodford gauge flow gaugings were able to be taken during a relatively high flow event in August 2001 which could result in a higher of level reliability in the rating curve at high gauge levels. As such, before adopting the modelled results for use in this Investigation further verification was undertaken.

An additional TUFLOW model was setup from Woodford to the coast encompassing the Investigation Area to compare flow estimates at the Merri River at Woodford gauge to recorded water levels at the now closed Merri River at Bromfield Weir gauge during for the August 2001 and August 2010 flow events which were the largest to occur while both gauges were operational, noting the weir was in place during these events. This model showed that using the flow inputs from the detailed Woodford TUFLOW model provided a much better match to the recorded flood levels at Bromfield than using those from the published rating curve. As such the rating curve was revised above a gauge level of 3.1 m using the TUFLOW model for use in the FFA and model calibration for this Investigation. The revised rating curve is shown in Figure 3-2.

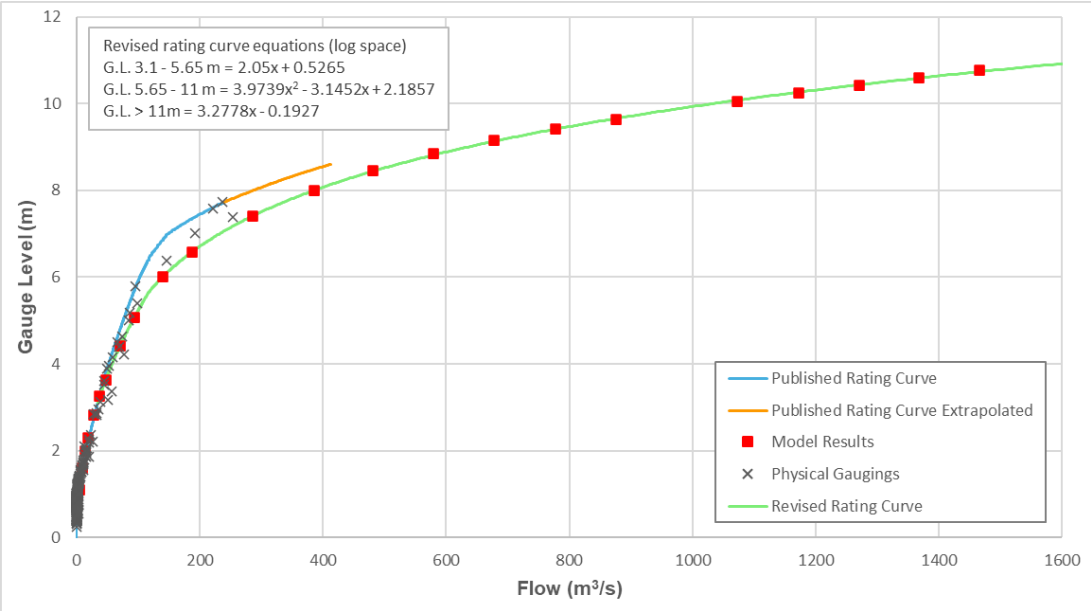


Figure 3-2 Merri River at Woodford rating curve verification

3.5 Bridge data

There are 13 bridges located in the Investigation area that were represented in the hydraulic model. Information on these structures was obtained from Council, DTP, the 2007 flood studies and field survey.

3.6 Site visit

Venant Solutions, accompanied by the GHCMA and Council undertook a site visit on 5 September 2022. Areas of interest were visited including the hydraulic structures along key waterways and roads. These site visits allowed Venant Solutions to gain an understanding of the investigation area, identify structures and measure structures and to obtain a photographic record.

3.7 Field survey

The following field survey was captured for this Investigation:

- 145 spot heights along centre lines at 3 separate long section locations
- Deck level elevations for the Merri River at Bridge Road, Woodford and Merri River at Princes Highway, Dennington bridges
- Dimensions of the Port Fairy – Warrnambool Rail Trail bridge over Kellys Swamp
- Gauge zero level of the Merri River @ Woodford stream gauge
- Ground elevations of the high point between Kelly and Saltwater Swamps
- Bank and channel cross-section survey of the new abutments under the Edwards Street bridge
- Survey of 165 building floor levels and 13 pump stations

4 Flood modelling

4.1 Modelling method summary

A calibrated and validated flood model has been developed for this Investigation using the RORB hydrologic and TUFLOW hydraulic flood modelling packages which are both widely used across Australia. The purpose of the RORB model is to convert rainfall to runoff for a given probability to provide catchment flow rates and timing. The purpose of the TUFLOW model is to represent the physical characteristics of the flow and ocean levels such as flood extent, level and velocity across the Investigation Area. The flood model has been developed in accordance with the guidance and parameters provided in ARR and the Victorian Guideline for Modelling the Interaction of Catchment & Coastal Flooding (Streamology 2022b) for the scenarios and design events listed in Table 4-1.

The calibration and validation of the flood model is a critical process of any detailed investigation. Calibration is the process of developing model parameters that represents observed flood behaviour where validation is the process of confirming these parameters to separate flood events. Best practice model calibration considers all available historic information, which typically could include stream gauge levels, historic flood extents and flood marks, along with other data such as flood photography and community recollections. For this Investigation the calibration and validation took place within a joint calibration framework, where historical estimations from the RORB model were tested in the TUFLOW model, the results checked and both models adjusted as necessary.

The model was calibrated and validated to two riverine flood events and two storm tide flood events:

- October 2020 riverine calibration event
- March 1946 riverine validation event
- June 2014 storm tide calibration event
- April 2009 storm tide validation event

The October 2020 riverine was selected as the riverine calibration event because it is the largest event to occur since the Merri River at Woodford gauge was opened, there is a large of amount of observed data available through Dennington and South Warrnambool, and it generally represents current floodplain conditions except for some recent developments. The March 1946 event was chosen as the riverine validation event because it is the largest event on record and provides a good tool to communicate what extreme events can look like to the community. The June 2014 and April 2009 storm tide events were chosen because they are the two largest storm tide events that have historic data available with the June 2014 event being larger with slightly more data available so was chosen for calibration.

Design flows have been defined by validating Monte Carlo flood frequency analysis results using the BoM 2016 IFDs (1961-1990 baseline period) to the at-site FFA results at the Merri River at Woodford gauge. The validation was achieved by varying the initial and continuing losses. Weighting was given to validating the Monte Carlo FFA analysis results to the FFA results for events between the 10% AEP and 1% AEP event. The 10% AEP event is the most frequent event recommended for the use of FFA based on annual maximum series in ARR and given the length of available gauge records, beyond the 1% AEP event the uncertainty bounds become greater in comparison to rainfall based estimates. This allows for higher reliance on the at-site FFA for events where the uncertainty bounds are smaller, while using a probabilistic method for extreme events.

The storm tide design events were derived using extreme value analysis of the residuals at the Portland tide gauge. The surge heights were then factored by 17% to relate them to Warrnambool and a 7% factor for offshore wave heights was used to represent wave setup.

Table 4-1 Design event scenarios

Riverine Flooding				Storm Tide Flooding		
Climate Scenario	**Riverine Flood**	**Coastal Condition**		**Climate Scenario**	**Storm Tide**	**Riverine Flow**
Current Climate	20% AEP	MHHW		**Current Climate**	20% AEP	Mean flow (May to September)
	10% AEP				10% AEP	
	5% AEP				5% AEP	
	2% AEP				2% AEP	
	1% AEP				1% AEP	
	0.5% AEP				0.5% AEP	
	0.2% AEP				0.2% AEP	
	PMF				Tsunami	NA
Climate Change 1 (CC 1) **(32% IRI + 0.8 m SLR)**	20% AEP	MHHW		**Climate Change 1 (CC 1)** **(0.8 m SLR)**	20% AEP	Mean flow (May to September)
	10% AEP				10% AEP	
	5% AEP				5% AEP	
	2% AEP				2% AEP	
	1% AEP				1% AEP	
	0.5% AEP				0.5% AEP	
	0.2% AEP				0.2% AEP	
Climate Change 2 (CC 2) **(41% IRI + 1.2 m SLR)**	20% AEP	MHHW		**Climate Change 2 (CC 2)** **(1.2 m SLR)**	20% AEP	Mean flow (May to September)
	10% AEP				10% AEP	
	5% AEP				5% AEP	
	2% AEP				2% AEP	
	1% AEP				1% AEP	
	0.5% AEP				0.5% AEP	
	0.2% AEP				0.2% AEP	

4.2 Merri River at Woodford flood frequency analysis

The at-site FFA for the Merri River at Woodford gauge was undertaken in the Flike software package. Streamflow records are available at the gauge from 1948 to the present day allowing for an annual maximum flow series of 76 years including the March 1946 event. Data availability was generally complete since the 1970s but from 1948 through the 1950s and 1960s there were gaps mainly over the summer and autumn periods. It was confirmed that calendar year provides a good representation of water year.

It is believed that the March 1946 flood event was the largest riverine flood event to occur on the Merri River since records of flooding were first identified in 1870. A flow of 850 m^3/s was estimated for this event derived for the North Warrnambool Flood Study (Cardno 2010) with the flow verified to flood levels shown in photography using the TUFLOW hydraulic model developed to revise the Merri River at Woodford rating curve (Section 3.4.1) as described in Section 1.3.1. The 1946 event was included in annual maximum flow series. Censored information was also included in Flike representing the assumption that there were no events larger than the March 1946 event in the 76 year period from 1870 to 1945.

As recommended in ARR, low flows were censored from the dataset to ensure that these did not unduly affect the fit of the flood frequency curve. A better fit to the recorded annual maximum flows was achieved without the use of prior parameter information from a Regional Flood Frequency Estimate (RFFE) to the Bayesian framework in Flike.

The results of the FFA are shown in Table 4-2 and Figure 4-1 with the best fit achieved using the log Pearson Type III probability model without prior parameter information.

The peak flow estimates are significantly higher than those derived for the 2007 South Warrnambool Flood Study (Water Technology 2007a). This is due to several factors including the availability of the Flike software package which supports the Bayesian methods described in Book 3, Chapter 2 of ARR, the additional functionality in Flike to include censored historic flood information and prior parameter information, the use of the multiple Grubbs-Beck test to remove probable influential low flows, the additional annual maximum series length which includes the October 2020 event and the revision of the rating curve. However, mainly it is the inclusion of the March 1946 event which was removed as an outlier in the 2007 study. Sensitivity testing and confirmation of the flow estimates to design rainfall estimates was undertaken to ensure that including the March 1946 flow in the FFA is appropriate.

Table 4-2 FFA Results for Merri River at Woodford gauge

AEP	Expected Flow (m^3/s)	Lower 90% Confidence Limit Flow (m^3/s)	Upper 90% Confidence Limit Flow (m^3/s)
20%	167	132	215
10%	263	207	337
5%	369	288	481
2%	524	398	723
1%	651	480	945
1 in 200	783	559	1,720
1 in 500	965	720	2,175

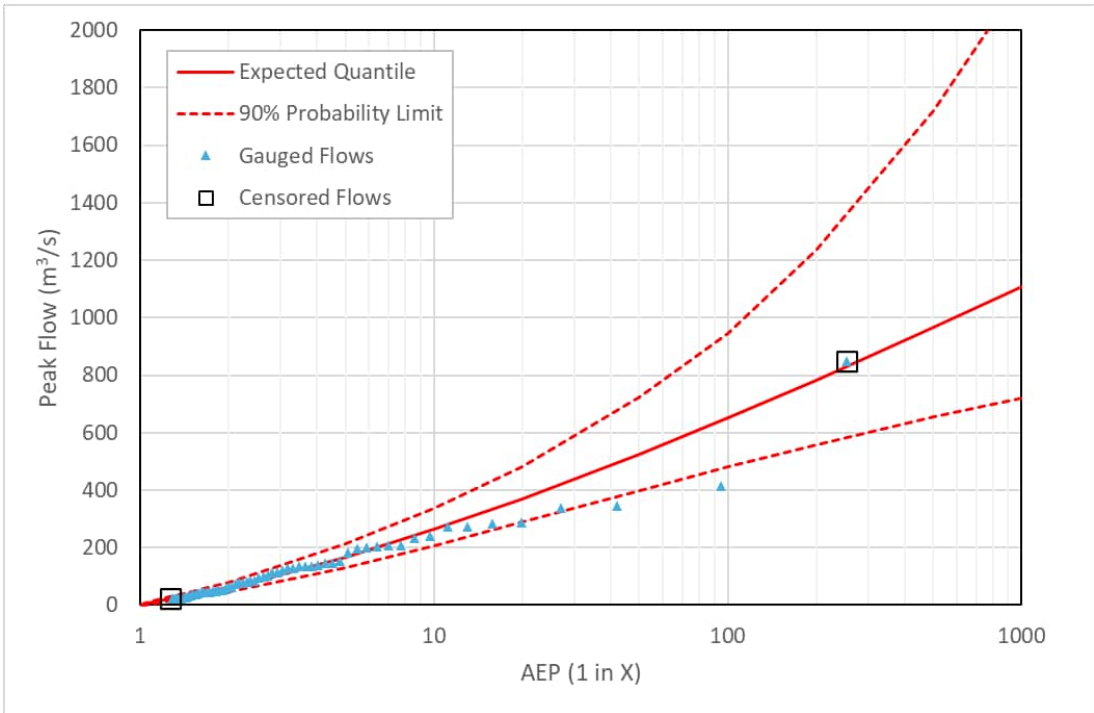


Figure 4-1 Flood Frequency Curve for the Merri River at Woodford gauge

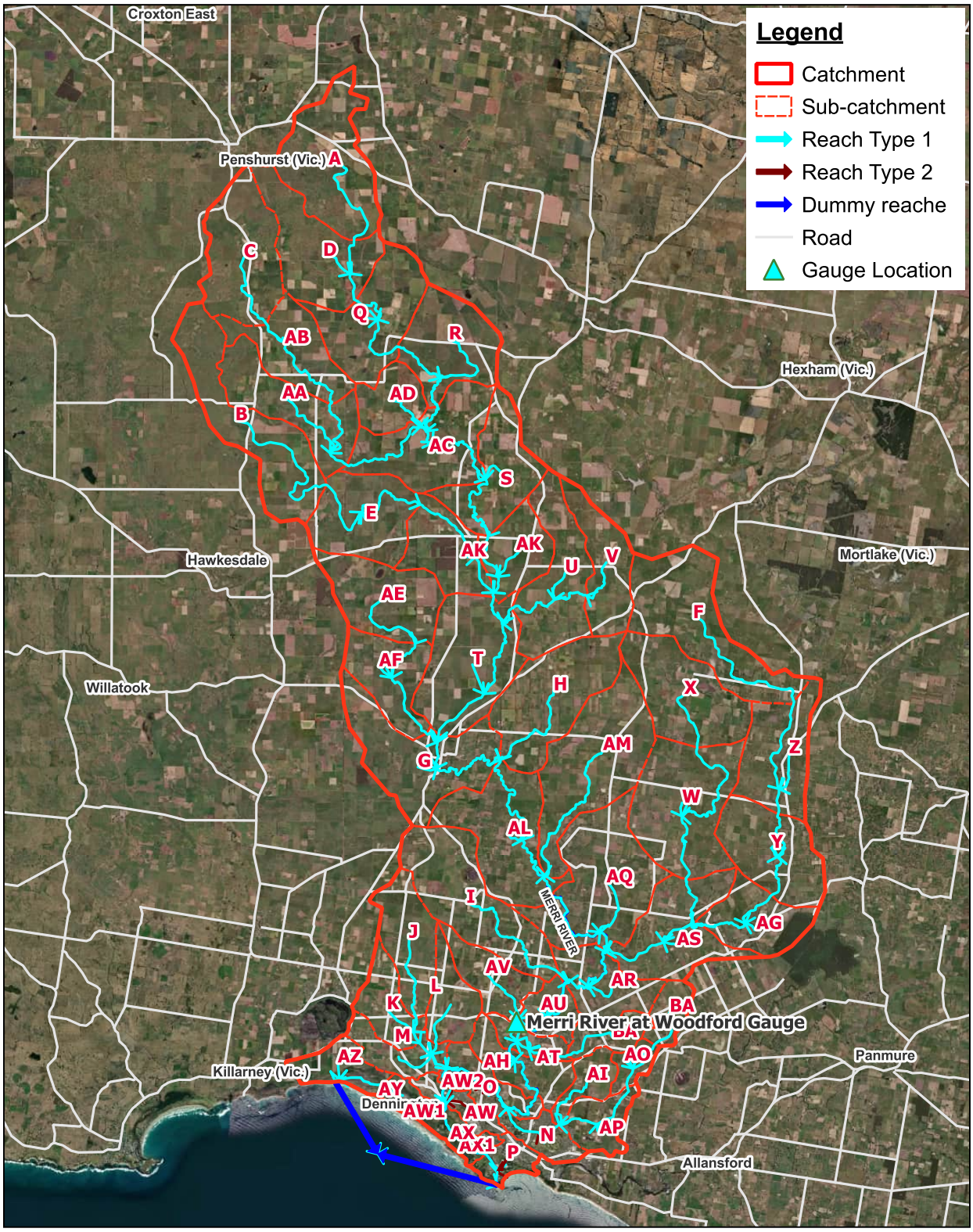
4.3 RORB modelling

4.3.1 RORB model development

As shown in Figure 4-2 the RORB model covers the entire Merri River catchment. For this Investigation delineation into sub-catchments was performed to ensure sufficient sub-catchment representation to provide suitable flow estimates upstream of the Merri River at Woodford stream gauge used in the calibration and validation process.

Flow was routed through the model using RORB Reach Type 1, representing natural channels, throughout the model except for those in the urban areas of Warrnambool where Reach Type 2, representing excavated but unlined channels, were used as faster runoff times are expected.

Upstream of Warrnambool the catchment is primarily rural with small townships and as such was assumed to consist of entirely pervious area. The roads and small towns within this area do not meaningfully increase the catchment runoff. Within Warrnambool the effective impervious area was represented in accordance with the guidance provided in ARR.



Title: South Warrnambool and Dennington Flood Investigation
RORB Schematisation

Figure:	Rev:			By: TL
4-2	A	0 5 10 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: Feb 2025

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4.3.2 RORB model calibration and validation

The October 2020 riverine event calibration achieved a good fit to the recorded flows at the Merri River at Woodford stream gauge using a k_c routing parameter of 71.0 above Woodford and a *m* routing parameter of 0.8.

The peak flow estimate of 850 m^3/s at Woodford for the March 1946 event was matched using storm losses within acceptable bounds confirming that the calibrated routing parameters are appropriate.

4.3.3 Design event rainfall and parameters

The design event rainfall defined by the Intensity-Frequency-Duration (IFD) curves published by the Bureau of Meteorology (BoM) were used to generate design rainfall depths for events from 12 hours to 168 hours in duration and from 63.2% AEP to 1 in 2,000 AEP. The BoM IFDs were published in 2016 and best represent the climate period between 1961 and 1990. To represent current climate conditions IFDs were derived via the methodology outlined in the Draft updates to the Climate Change Considerations chapter in Australian Rainfall and Runoff guidelines (DCCEEW 2023). The SSP5-8.5 Current and near-term (2021-2040) scenario was used as it is the climate scenario that best represents emissions to date (Schwalm, et al. 2020) resulting in an increase in rainfall intensity of 12% from the 1961 and 1990 period.

The Generalised Southeast Australia Method (GSAM) (BoM 2003) was used to develop Probable Maximum Precipitation (rainfall event that leads to a Probable Maximum Flood (PMF)) rainfall depth estimates for durations 24 hours to 72 hours.

The Climate Change 1 and 2 scenario IFDs were derived via the methodology outlined in the Draft update to the ARR climate change guidelines (DCCEEW 2023). The resulting increases in rainfall intensity are presented in Table 4-3 from the 1961 and 1990 period.

Initial and continuing losses have been defined through validation to the at-site FFA. For design event modelling the validated losses have been increased to account for the influence of climate which is expected to result in an overall “drying” of catchments change in accordance with DCCEEW (2023). The resulting storm losses are shown in Table 4-3.

Table 4-3 Design event parameter and rainfall inupts

Scenario	Routing Parameters			Storm losses (% increase from calibrated losses)		Increase in rainfall intensity from 2016 IFDs
	k_c (above Woodford)	k_c (below Woodford)	*m*	Initial Loss (mm)	Continuing Loss (mm/hr)	
Current Climate	71	32.8[1]	0.8	16.9 (6%)	0.34 (13%)	12%
Climate Change 1				18.4 (15%)	0.40 (34%)	32%
Climate Change 2				19.0 (19%)	0.43 (44%)	41%

[1.] Constant k_c / d_{av} ratio from Merri River at Woodford gauge interstation area.

4.3.4 Critical events

The critical events (storm duration and temporal pattern) for each AEP were selected using the ensemble modelling approach in RORB and are listed in Table 4-4.

Table 4-4 Critical events

AEP	Current Climate		Climate Change 1		Climate Change 2	
	Critical Duration	Critical Temporal Pattern	Critical Duration	Critical Temporal Pattern	Critical Duration	Critical Temporal Pattern
20%	48 hr	3	48 hr	3	48 hr	3
10%	48 hr	3	48 hr	3	36 hr	9
5%	48 hr	3	48 hr	3	36 hr	9
2%	36 hr	9	36 hr	9	36 hr	9
1%	36 hr	9	36 hr	9	36 hr	9
1 in 200	36 hr	3	36 hr	3	36 hr	3
1 in 500	24 hr	6	24 hr	6	24 hr	6
PMF	24 hr	GSAM	-			

4.4 Storm tide assessment

The southwest Victorian coastline is exposed to strong wave energy from the Indian Ocean. The Merri River opens into Stingray Bay, South Warrnambool, and is provided with partial protection from direct waves by two islands; Merri Island and Middle Island, as well as other undersea features such as rock bommies. Despite this protection, historical storms (e.g., the 2009 and 2014 storm tide events) have shown that attenuated yet significant waves can penetrate the bay causing temporary elevation of water levels due to local wave setup.

Coastal inundation occurs due to extreme sea-levels caused by severe coastal storms. Such storms generate elevated water-levels because of low atmospheric pressure (sometimes referred to as reverse barometric pressure) and strong winds that pile up water towards the coast, with the combined effect referred to as storm surge. Storm surge often coincides with strong waves breaking on the open coast which can also drive increased water-levels at the coastline, known as wave setup. Along with astronomical tide level, these three components make up what is referred to as a storm tide. Figure 4-3 shows a schematic of these processes.

A set of calibrated design storm tide events have been developed to provide boundary conditions to the TUFLOW model in accordance with the guidance provided in the Victorian Guideline for Modelling the Interaction of Catchment & Coastal Flooding (Streamology 2022b).

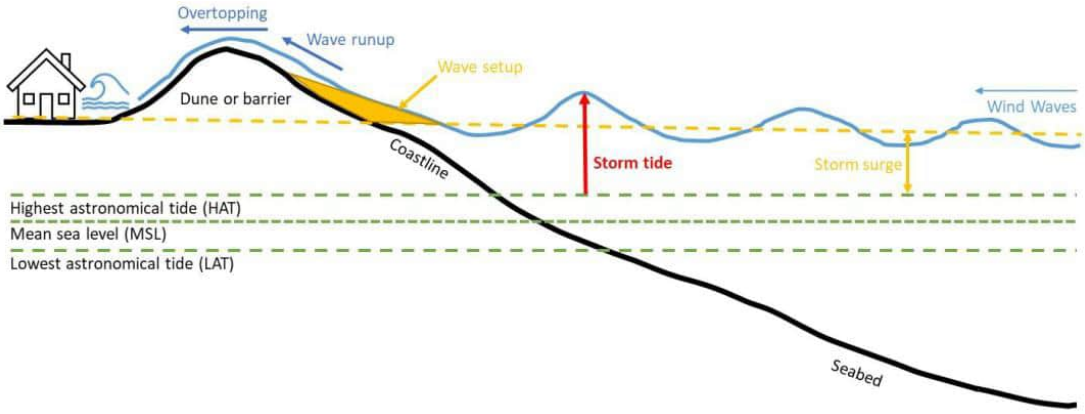


Figure 4-3 Schematic showing the components of a storm tide (Streamology 2022b)

The extreme storm tide levels (and peak wave setup components) that have been prepared for modelling are shown in Table 4-5 with the water-level timeseries for the TUFLOW model shown in Figure 4-4. Calibration to the June 2014 resulted in a wave setup factor of 7% of offshore wave height. This factor was validated to the April 2009.

To estimate worst case storm tide scenario peak, tsunami water levels (maximum stage) from the 2018 Australian Probabilistic Tsunami Hazard Assessment: Hazard from earthquake generated tsunamis (PTHA18) (Davies and Griffin 2018) were used resulting in a tsunami water level estimate of 3.9 m AHD which has been adopted to represent a “worst case” storm tide level for this Study and was applied to the TUFLOW model as static water level, often referred to as the “bathtub” approach. This is because detailed numerical modelling using the offshore maximum-stage heights is required for a detailed tsunami hazard assessment.

Table 4-5 Warrnambool storm tide levels

AEP	Extreme Still Water Level (SWL) (m rel. MSL)	Peak Wave Setup Component (m rel. MSL)	Extreme SWL with Wave Setup (m rel. MSL)
20%	0.85	0.51	1.36
10%	0.92	0.53	1.45
5%	0.98	0.55	1.53
2%	1.05	0.57	1.62
1%	1.10	0.59	1.69
1 in 200	1.14	0.60	1.74
1 in 500	1.19	0.61	1.80

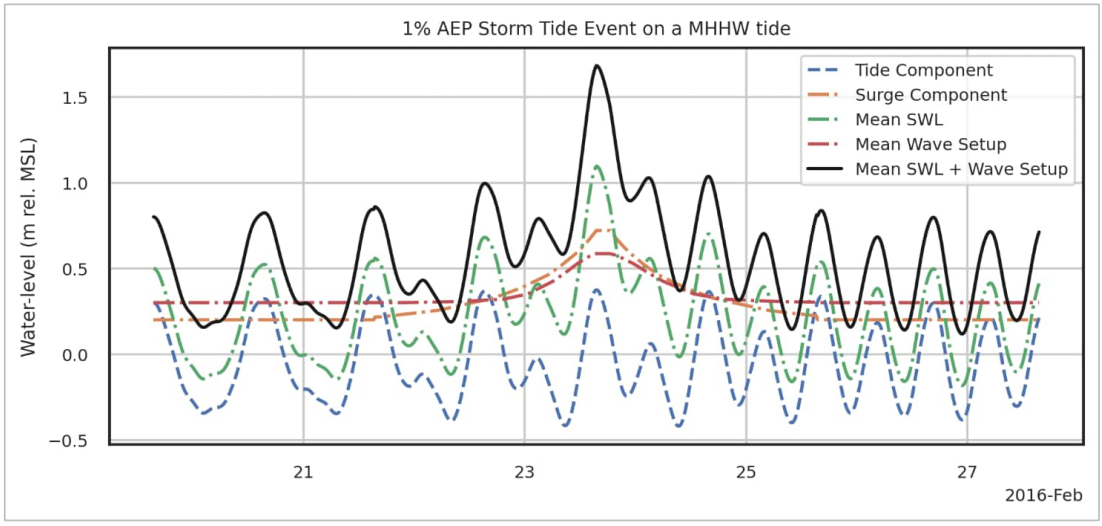


Figure 4-4 1% AEP storm tide time series

4.5 TUFLOW modelling

4.5.1 TUFLOW model development

The TUFLOW model covers the entire Investigation Area extending from upstream of Cassidys Bridge to the coast at Stingray Bay and across Kelly and Salwater Swamps to the coast at Rutledges Cutting. The broad layout of the TUFLOW model can be seen in Figure 4-6.

To ensure accurate representation of flooding within the Investigation Area a grid resolution of 8 metres was adopted for floodplain areas of the model. Along the main Merri River channel and in urban areas quadtree was used to reduce the grid size to 2 metres to increase the fidelity of modelling. These areas can be seen in Figure 4-6. Sub-grid Sampling (SGS) was used with a sample frequency of 9 for the 8 m grid and 7 for the 4 m grid and 5 for the 2 m grids.

The base topography used in the hydraulic model was based on the LiDAR and bathymetry survey DEM datasets as detailed in Section 3.3.

South Warrnambool has two openings to the coast at Stingray Bay and Rutledges Cutting both of which are dynamic being subject to sand deposition and natural and artificial openings resulting in the bathymetry for every riverine or storm tide flood event being unique.

The Merri River mouth at Stingray Bay is primarily open but the bathymetry is dynamic being subject to sand deposition and natural scour which occasionally results in a sand berm closing the mouth. For riverine and storm tide design events the mouth has been modelled under open conditions based on mouth opening conditions representative of the October 2020 flood event.

The Rutledges Cutting opening condition is dynamic being subject to sand deposition resulting in a sand berm that closes the mouth 89% of the time according to Estuary Entrance Management Support System (EEMSS) records. For riverine design events the cutting has been modelled under closed conditions at the start of the event with a berm height of 2.1 m based on the highest berm levels observed in the past. The variable geometry functionality in TUFLOW was used to scour the cutting over a 6 hour period when the berm is overtopped. In the absence of cutting opening bathymetric survey, for design event modelling the scour geometry calibrated for the October 2020 event has been adopted with the scour depths set to the lowest tide level after riverine event flows have overtopped the berm. For storm tide design events the mouth has been modelled under open

conditions from the start of the event as occurred in June 2014 to represent a conservative assumption for flood levels through Kelly Swamp. For storm tide events the same opening geometry for riverine events was used with the scour depth set to the lowest tide level in the days prior to the storm surge event.

For the climate change scenarios it was assumed that Merri River mouth geometry remains under current conditions. This is because the mouth is primarily open because of natural flows and artificial openings and if mouth levels were raised commensurate with sea level rise then normal water levels outside of flood events in the estuary could become quite high which is outside the focus of this Investigation. For Rutledges Cutting the berm height was raised commensurate with sea level rise to represent the expected landward and upwards shift of the berm profile as a result of wave runup as schematised in Figure 4-5. The scour depths for future conditions are also commensurate with the level of expected sea level rise with no change in the scour width.

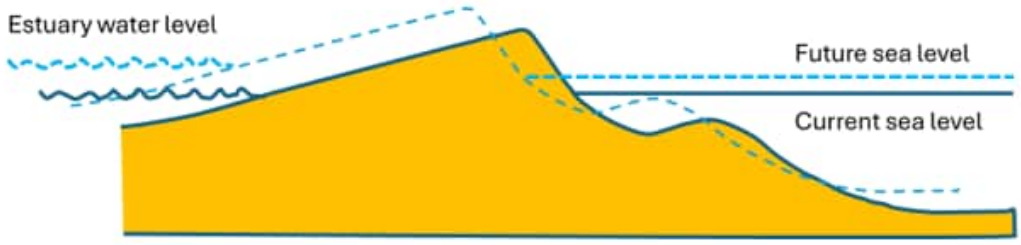


Figure 4-5 Schematic of landward and upward shift in entrance berm profile due to sea level rise (Streamology 2022b)

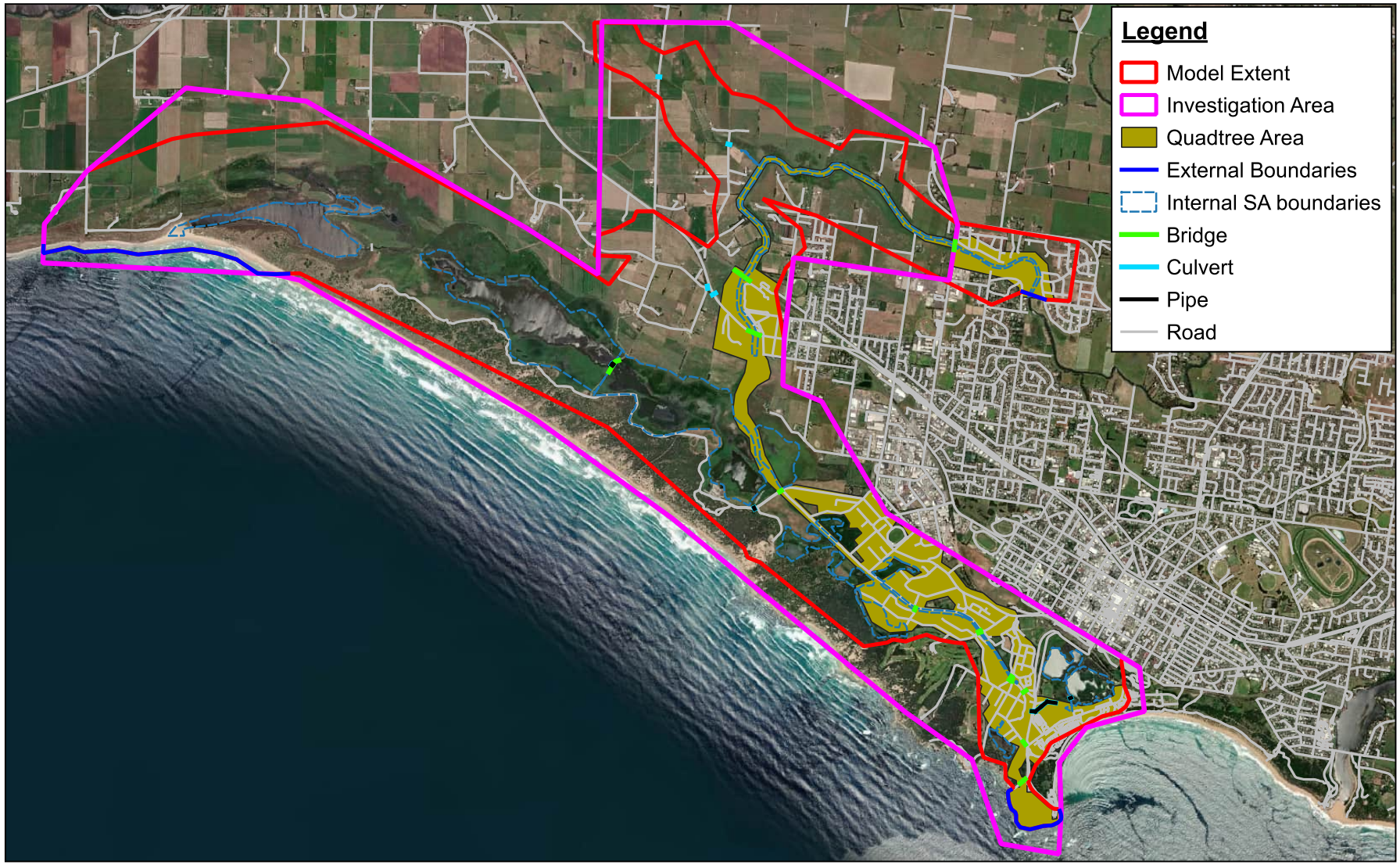
The manning's 'n' surface roughness values for the model were based on areas of different land-use type as indicated in the aerial photography and observed during the site visit. Initially these values were based on standard texts such as Open Channel Hydraulics (Chow 1959) and refined during the calibration process.

Bridge and culvert hydraulic structures along the floodplain were included in the model as shown in Figure 4-6. The bridges were represented in the 2D model domain while culverts were represented as 1D elements embedded in 2D domain.

The TUFLOW model inflow boundaries were determined from the RORB model for the riverine events, and for the storm tide events the adopted riverine inflow boundary represented the mean daily flow between May and September when most storm tides events are expected to occur.

The TUFLOW model outflow boundary was defined by a dynamic tide-height boundaries at Stingray Bay and Rutledges Cutting. For design event modelling the peak tidal level is timed to coincide with the peak of the flood so as to provide a conservative estimate of flood levels by providing a worst case scenario. For the climate change scenarios the whole dynamic tide boundary was raised by the amount of sea level rise being accounted for in each scenario.

Initial water levels in the Merri River were set to the tide boundary height at the start of the simulation. For Kelly and Saltwater Swamps initial water levels were defined by highest level of ponding that could occur in each waterbody before they would drain back to the Merri River. The Lake Pertobe levels were set via advice provided by Council.



Title: South Warrnambool and Dennington Flood Investigation TUFLOW model layout	Figure: 4-6	Rev: A	0 0.8 1.6 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	VENANT SOLUTIONS www.VenantSolutions.com.au
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4.5.2 TUFLOW model calibration and validation

Historic flood data available to calibrate and validate the TUFLOW model for both riverine and storm tide events includes:

- The recorded water levels at the Merri River at Warrnambool stream gauge (October 2020 event only because the stream gauge has only been operational since 2017)
- Surveyed flood marks (October 2020, March 1946 and June 2014 events)
- Observed flood extents (October 2020, June 2014 and April 2009 events)
- Flood photography captured during the event (all events)
- Estuary Entrance Management Support System (EEMSS) records (October 2020, June 2014 and April 2009 events)

For the October 2020 riverine event the successful calibration achieved confirmed the revised flow estimates at the Merri River at Woodford gauge (refer to Section 3.4.1) that the RORB hydrologic model was calibrated to are appropriate. It also confirmed that the TUFLOW model is appropriate for representing riverine flood events in Dennington and South Warrnambool. The October 2020 calibration also highlighted the sensitivity of the Rutledges Cutting opening geometry on peak flood levels in South Warrnambool.

While it is difficult to draw conclusions from TUFLOW model validation to the March 1946 event because of the more than 70 years that have passed during which time significant changes in catchment topography, hydraulic structures and surface roughness have occurred, it does show the extent of inundation that has occurred in the past and will at some stage happen again.

For the June 2014 riverine calibration event successful calibration confirmed an offshore wave height factor of 7% is appropriate for Warrnambool and that the TUFLOW model is appropriate for representing storm tide events without detailed wave modelling in Stingray Bay. It also showed that the 7% factor is appropriate at Rutledges Cutting. When the standard assumption of 12% was tested it erroneously resulted in flow from Rutledges Cutting through the swamp system and down the Merri River cutting where the EEMSS records documented that flow was travelling up the Merri River cutting into the swamp system. The 7% offshore wave height factor was confirmed by the successful validation of the April 2009 event.

4.6 Treatment of joint probability

Flood risk in South Warrnambool results from a combination of riverine and storm tides. The joint probability (or dependence) of these events occurring separately or simultaneously needs to be assessed.

Book 6, Chapter 5 of ARR provides practical methodologies for assessing the interaction of riverine and storm tide flooding in coastal regions. The first step recommended prior to detailed assessment consists of a pre-screening analysis to determine whether completion of a more complex joint probability assessment is warranted. For the pre-screening analysis, it is required to identify the Joint Probability Zone (JPZ); defined as being a '*region in which the dependence between riverine and ocean processes has the potential to influence the design flood level*'. The concept of the JPZ is illustrated in Figure 4-7.

For this Investigation the JPZ is defined as the area between flood levels of a riverine flood event with a MHHW tide (fluvial-only), a storm tide event with May to September median daily riverine flows (ocean-only) and riverine event with the corresponding occurrence probability storm tide event (complete dependence) above a tolerance of 0.3 m. The primary assumption of this assessment is that peak riverine flood flows at South Warrnambool occur at the same time as the peak storm tide level. This is a conservative assumption as riverine event peaks are unlikely to occur at the same time as the peak storm tide from the same weather event.

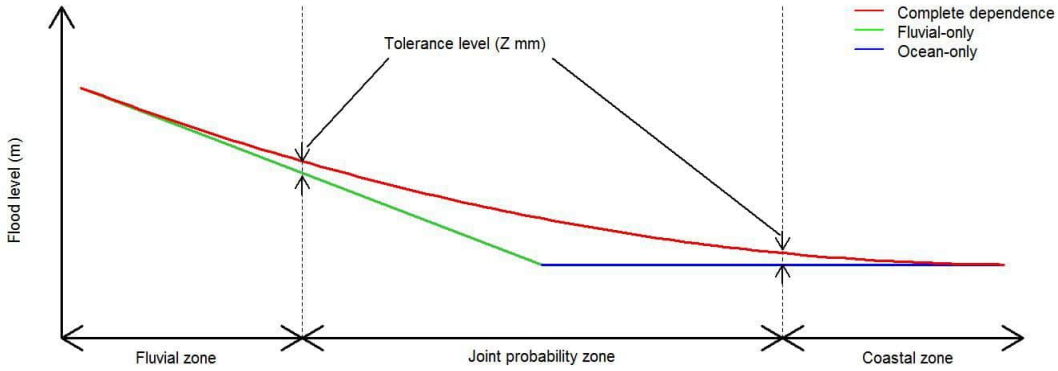

Figure 4-7 Illustration of Joint Probability Zone (Ball, et al. 2019)

The results of the joint probability assessment show that across all modelled climate scenarios and events peak flood levels downstream of MacDonald Street are dominated by storm tides and peak flood levels upstream of Wellington Street are dominated by riverine events with the JPZ between MacDonald Street and Stanley Street. Given the relatively weak dependence between riverine and storm tide flooding and modelling very frequent events (more frequent than 20% AEP) is beyond the scope for this Investigation, for the purposes of creating flood mapping and intelligence information for emergency response and other uses that do not overestimate flood levels, independent riverine and storm tide events have been adopted.

For the purpose of flood planning control levels and extents (Section 7) the joint probability assessment showed that the 1% AEP riverine event a with 20% AEP storm tide boundary provided the closest match to the 1% AEP flood levels in the JPZ.

4.7 Quality assurance and sensitivity testing

The hydrologic and hydraulic modelling was internally reviewed at Venant Solutions by a registered professional engineer in Victoria. The flood modelling was also independently peer reviewed by a third party consultant engaged by the Council and GHCMA. The reviewers' comments regarding modelling methods, setup, parameters, assumptions and results were documented in a Technical Note provided to Venant Solutions, Council and GHCMA and have been addressed in the development of flood modelling presented in this report.

To better understand the level of uncertainty associated with the adopted flood modelling parameters, sensitivity analysis has been undertaken on the following parameters:

- The critical storm duration
- Rainfall temporal patterns
- The spatial rainfall variation across the catchment
- The RORB model routing parameters
- Storm losses (antecedent catchment conditions)
- Adopted surface roughness parameters
- Rutledges Cutting mouth opening geometry
- Rutledges Cutting berm height and scour times
- The adopted storm tide event wave setup factor
- Bridge blockage

5 Flood mapping and intelligence outputs

This section provides a summary of key flood mapping and intelligence information (flood behaviour characteristics that are not represented by flood mapping) that is used to inform the key outputs of the study including:

- Draft planning overlay mapping
- Flood damages assessment
- Flood warning feasibility assessment
- Inputs into the Municipal Flood Emergency Plan (MFEP) and any other subsequent flood intelligence information / documentation

Whilst in this summary report a limited selection of flood mapping and intelligence outputs is presented, these outputs have been developed for all of the design event scenarios presented in Table 4-1. Please note, that as described in Section 1.4 only the inputs and results of Climate Change 2 scenario have been documented in this summary report.

Mapping is limited to the Investigation Area and does not include mapping of local storm water runoff behaviour or drainage systems.

5.1 Flows and hydrographs

The design event peak flows and volumes at Cassidys Bridge for current climate and Climate Change 2 scenario are presented in Table 5-1. Current climate hydrographs are presented in Figure 5-1 and Climate Change 2 comparison hydrographs are presented in Figure 5-2.

Under current conditions in a 1% AEP riverine event approximately 88% of the Merri River flow discharges to the coast via Rutledges Cutting with only 12% of flow discharging to Stingray Bay via the Merri River Cutting.

For the Climate Change 2 scenario peak flows are increased by 34-36%. As shown in Table 5-1 for the Climate Change Scenario 2 more frequent events up to the 5% AEP are equivalent to the next assessed less frequent event peak when compared to current climate. For rarer events the increase is slightly larger. For example, the 1% AEP Climate Change 2 peak flow is similar to the current climate 1 in 250 AEP peak flow. Similar percentage increases in hydrograph volume as for peak flow are observed.

Table 5-1 Flows and volumes at Cassidys Bridge

AEP	Current Climate		Climate Change 2			
	Peak Flow (m^3/s)	Hydrograph Volume (m^3)	Peak Flow (m^3/s)	Peak flow increase	Hydrograph Volume (m^3)	Volume increase
20%	241	4.36×10^7	325	35%	5.63×10^7	29%
10%	335	5.80×10^7	454	36%	7.00×10^7	21%
5%	445	7.44×10^7	600	35%	8.87×10^7	19%
2%	616	9.11×10^7	824	34%	1.17×10^8	28%
1%	765	1.10×10^8	1,017	33%	1.40×10^8	27%
1 in 200	964	1.34×10^8	1,277	32%	1.71×10^8	28%
1 in 500	1,221	1.55×10^8	1,632	34%	1.97×10^8	27%
PMF	5,246	5.36×10^8	-			

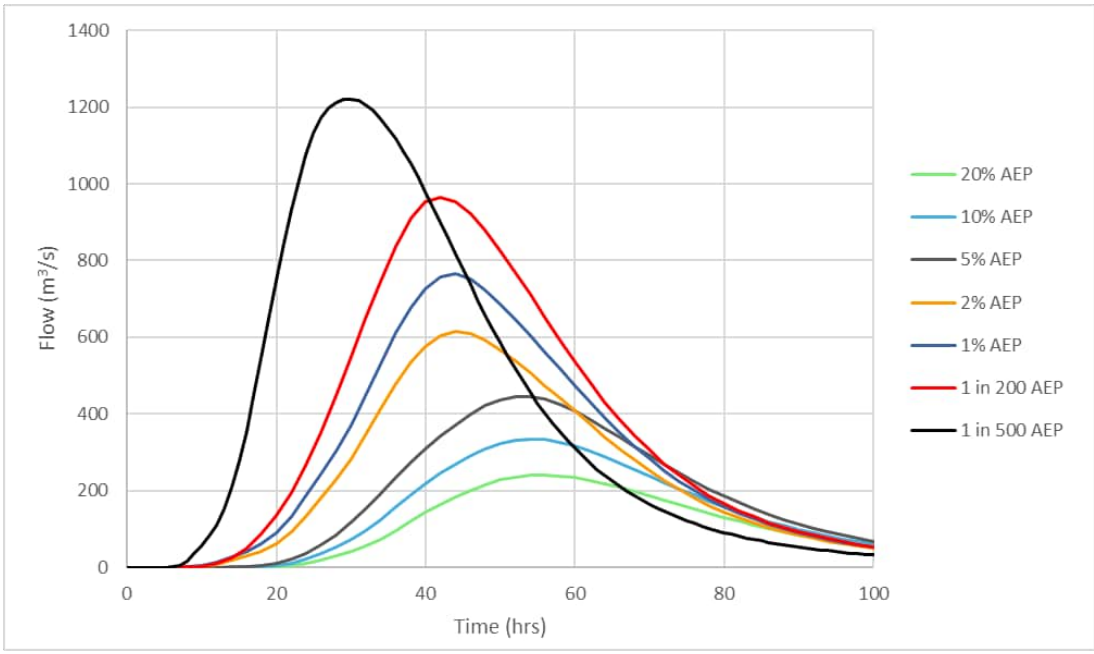

Figure 5-1 Current climate hydrographs at Cassidys Bridge

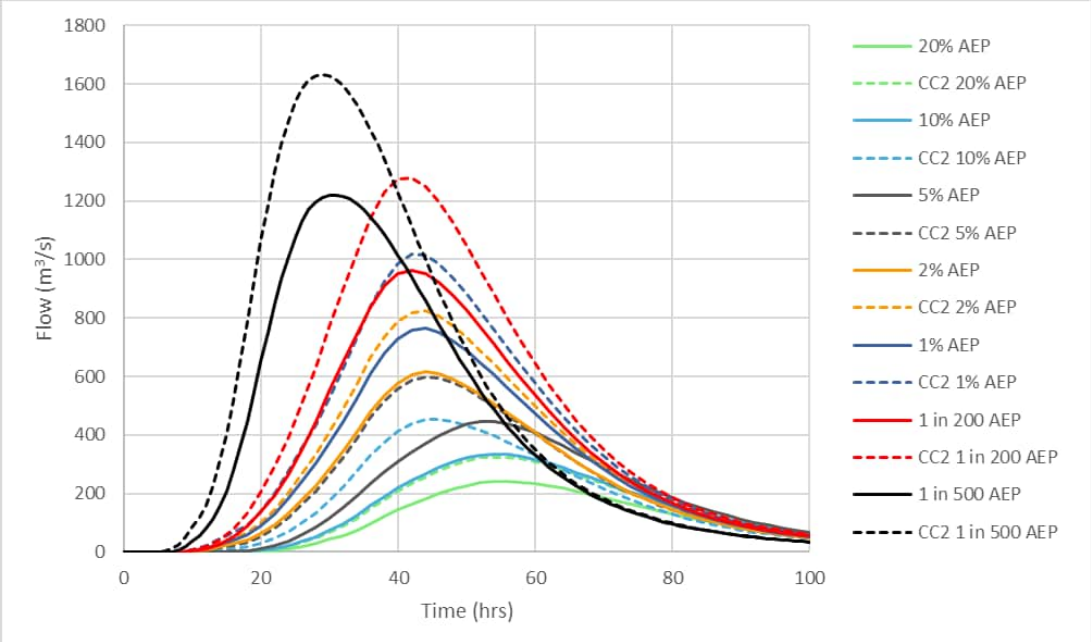

Figure 5-2 Climate Change 2 hydrographs at Cassidys Bridge

5.2 Flood depth mapping

Flood depth mapping is presented in Appendix A for the 1% AEP riverine and storm tide events under Current Climate and Climate Change 2 scenarios. The flood depth mapping shows that inundation throughout South Warrnambool is quite broad but generally restricted to the floodplain reserve areas. However, there are residential areas that are subject to inundation including along Stanley Street and MacDonald Street, near the

intersection of Elliott Street and Mcgennan Street, along Wellington Street, Younger Street, Landmann Street and other isolated properties.

5.3 Flood velocity mapping

Flood velocity mapping is presented in Appendix B for the 1% AEP riverine and storm tide events under Current Climate and Climate Change 2 scenarios. In riverine events velocities across the floodplain are generally less than 0.5 m/s. In the Merri River channel velocities are higher and largest where the channel becomes most restricted. At the Princes Highway, MacDonald Street and the Merri River mouth velocities exceed 2.0 m/s. These locations correspond with the locations where the greatest drops in water level are observed as described in Section 5.5. In storm tide events velocities across the floodplain are generally less than 0.5 m/s with the exception of a few limited areas in the Merri River channel.

5.4 Flood hazard mapping (velocity x depth product)

Flood hazard (velocity x depth) mapping is presented in Appendix C for the 1% AEP riverine and storm tide events under Current Climate and Climate Change 2 scenarios. In riverine events velocity x depth upstream of the Princes Highway are generally greater than 0.3 m^2/s which is considered hazardous for vehicles and people. Downstream of the Princes Highway through South Warrnambool higher velocity x depths are restricted to the Merri River channel and areas of greater depth. In storm tide events velocity x depths across the floodplain are generally less than 0.3 m^2/s with the exception Merri River cutting channel downstream of Swinton Street.

5.5 Flood levels

Peak flood levels at the Merri River at Woodford, Merri River at Dennington and Merri River at Warrnambool stream gauges are presented in Table 5-2.

Figure 5-3 shows a long-section of flood levels along the Merri River for riverine events. As shown in Figure 5-3 the water level grade in the riverine events through Dennington is relatively constant before there is a significant drop in water level as the floodplain narrows near the Princes Highway. The water level grade then flattens off as it flows into the South Warrnambool floodplain and Kelly Swamp. Further downstream as the Merri River Cutting flows through several points of constriction the water grade steps down to the Merri River mouth at Stingray Bay with the most notable constriction point been the narrow channel at MacDonald Street.

Figure 5-4 shows a long-section comparison of 1% AEP climate change scenario and previous South Warrnambool (Water Technology 2007a) and Dennington (Water Technology 2007b) flood levels. The 1% AEP current climate levels are approximately 0.5 to 0.8 m higher through South Warrnambool and 0.8 to 1.3 m higher through Dennington than the 2007 studies where the 1% AEP water levels were similar to the October 2020 event that had rainfalls consistent with approximately a 36 hour 15% AEP event. This indicates that flood levels were being underestimated in the 2007 studies. Climate Change 2 riverine event water levels are approximately 0.6 m higher than current climate conditions through South Warrnambool with greater increases upstream of the Princes Highway. This is approximately equivalent to the current conditions 1 in 350 AEP event.

As shown in Figure 5-5 the water levels up the Merri River during storm tide events drop off from the levels at the Stingray Bay as water travels up the Merri River cutting before flattening off upstream of Swinton Street. Increases in 1% AEP Climate Change 2 flood levels (Figure 5-6) is consistent with the amount of sea level rise but higher sea levels mean that water is able to flow through the swamps from Ruteledges Cutting resulting in the drop in water levels along the Merri River cutting not being as pronounced.

Table 5-2 Flood levels (m AHD)

Event (AEP)	Riverine						Storm tide			
	Merri River at Woodford gauge[1]		Merri River at Dennington gauge[1]		Merri River at Warrnambool gauge		Merri River at Dennington gauge[1]		Merri River at Warrnambool gauge	
	Current Climate	Climate Change 2	Current Climate	Climate Change 2	Current Climate	Climate Change 2	Current Climate	Climate Change 2	Current Climate	Climate Change 2
20%	12.90 (7.04)	13.48 (7.62)	2.81 (2.92)	3.56 (3.67)	0.78	1.66	1.04 (1.15)	2.30 (2.41)	1.36	2.53
10%	13.54 (7.68)	14.18 (8.32)	3.12 (3.23)	3.73 (3.84)	0.92	1.68	1.08 (1.19)	2.40 (2.51)	1.45	2.60
Apr 2009							0.99 (1.1)		1.48	
Oct 2020	14.00 (8.14)[2]		3.23 (3.34)		0.97[2]					
5%	14.10 (8 .24)	14.73 (8.87)	3.44 (3.55)	3.95 (4.06)	1.07	1.71	1.10 (1.21)	2.48 (2.59)	1.53	2.65
Jun 2014							1.00		1.56	
2%	14.79 (8.93)	15.38 (9.52)	3.83 (3.94)	4.43 (4.54)	1.23	1.80	1.13 (1.24)	2.57 (2.68)	1.61	2.71
1%	15.23 (9.37)	15.82 (9.96)	4.17 (4.28)	4.81 (4.92)	1.37	1.91	1.15 (1.26)	2.64 (2.75)	1.68	2.75
Mar 1946	15.46 (9.60)		4.21 (4.32)		1.44					
1 in 200	15.68 (9.82)	16.27 (10.41)	4.59 (4.7)	5.28 (5.39)	1.55	2.08	1.17 (1.28)	2.70 (2.81)	1.73	2.79
1 in 500	16.18 (10.32)	16.79 (10.93)	5.04 (5.15)	5.78 (5.89)	1.81	2.29	1.19 (1.30)	2.77 (2.88)	1.8	2.89
PMF (Tsunami)	21.35 (15.49)		9.78 (9.89)		4.06		3.91 (4.02)		3.9	

1. Levels in gauge datum presented in parentheses.

2. Recorded flood level at stream gauge.

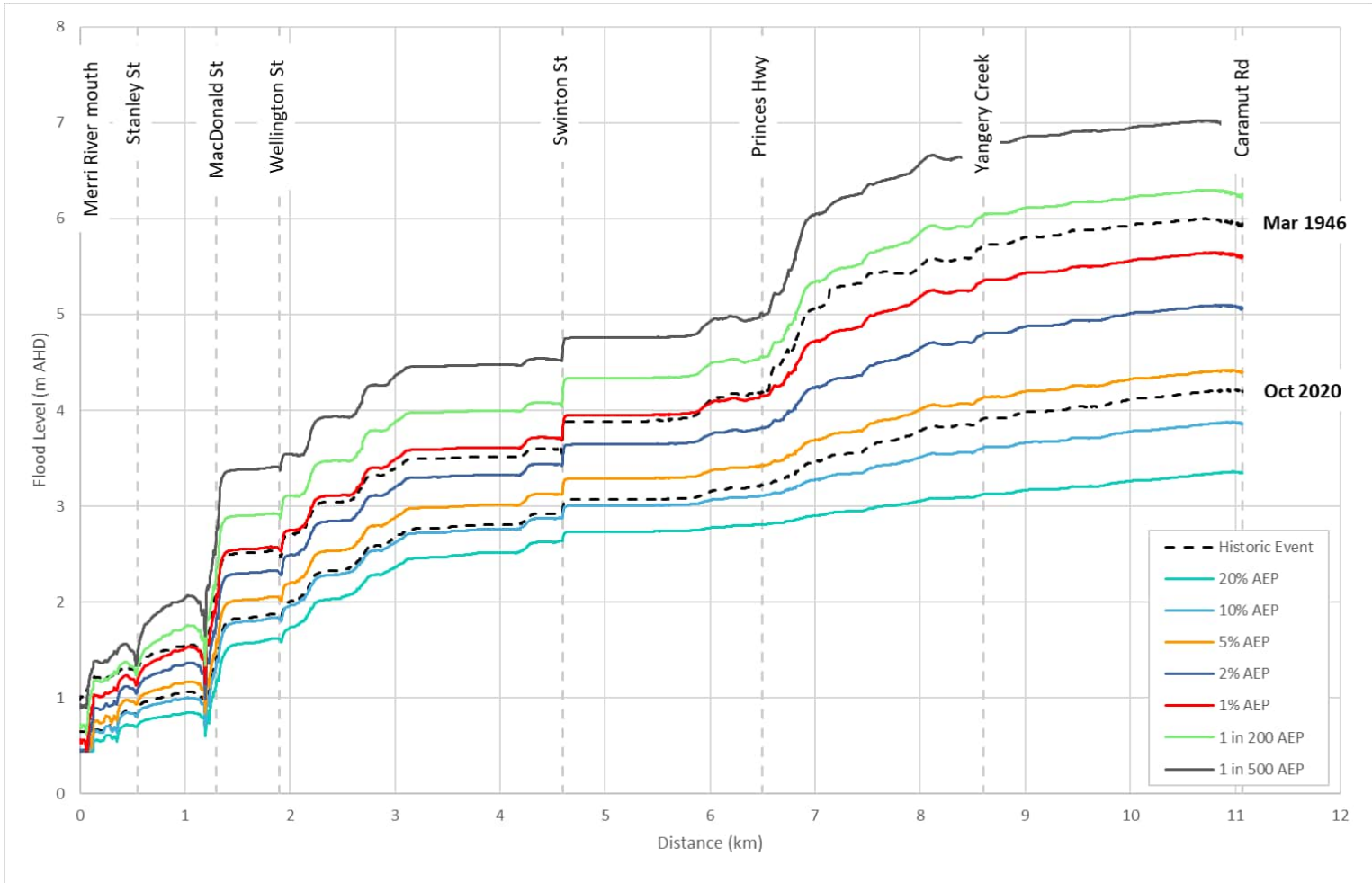

Figure 5-3 Riverine event flood level long-section

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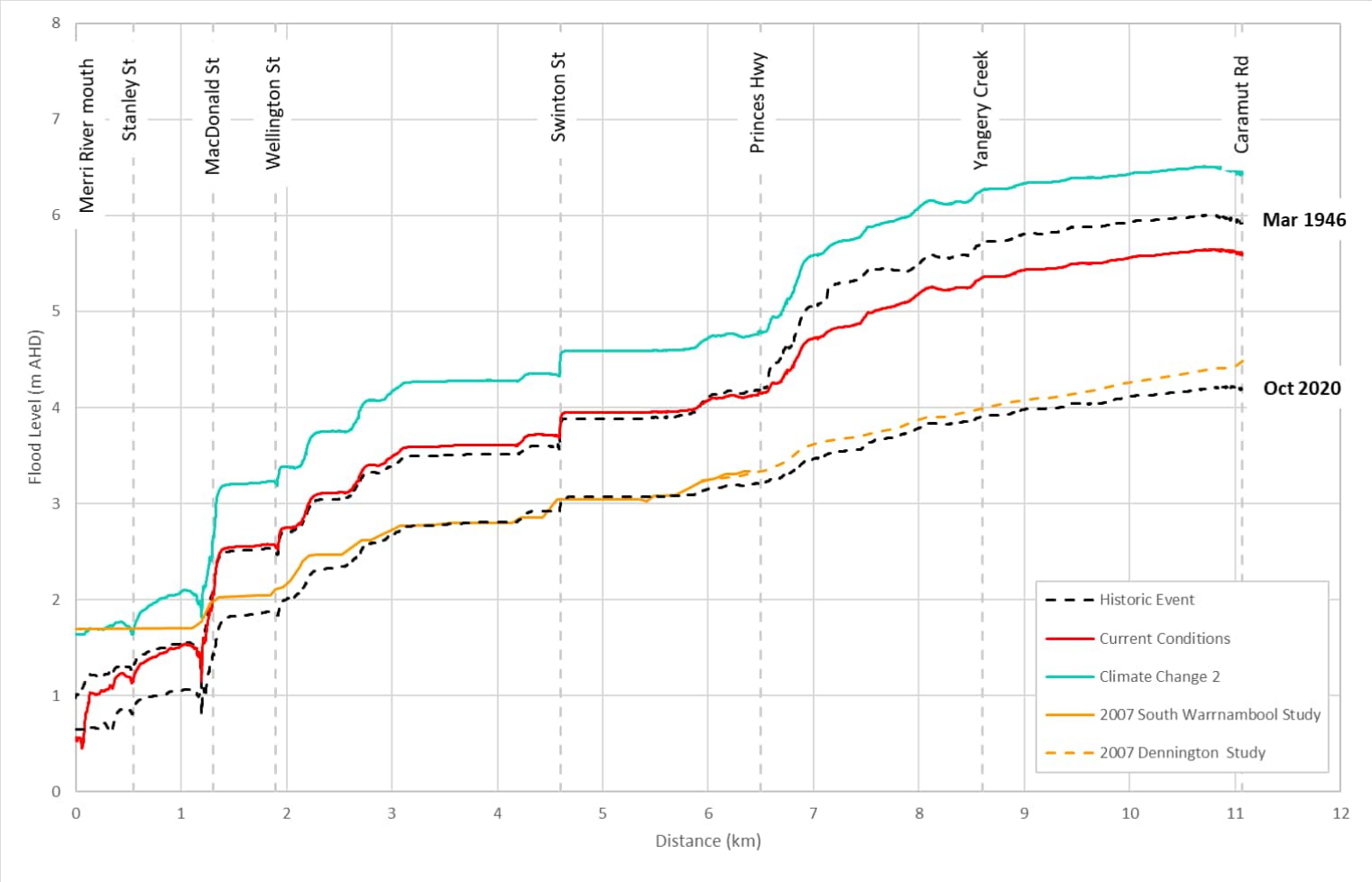

Figure 5-4 Riverine event 1% AEP flood level long-section scenario comparison

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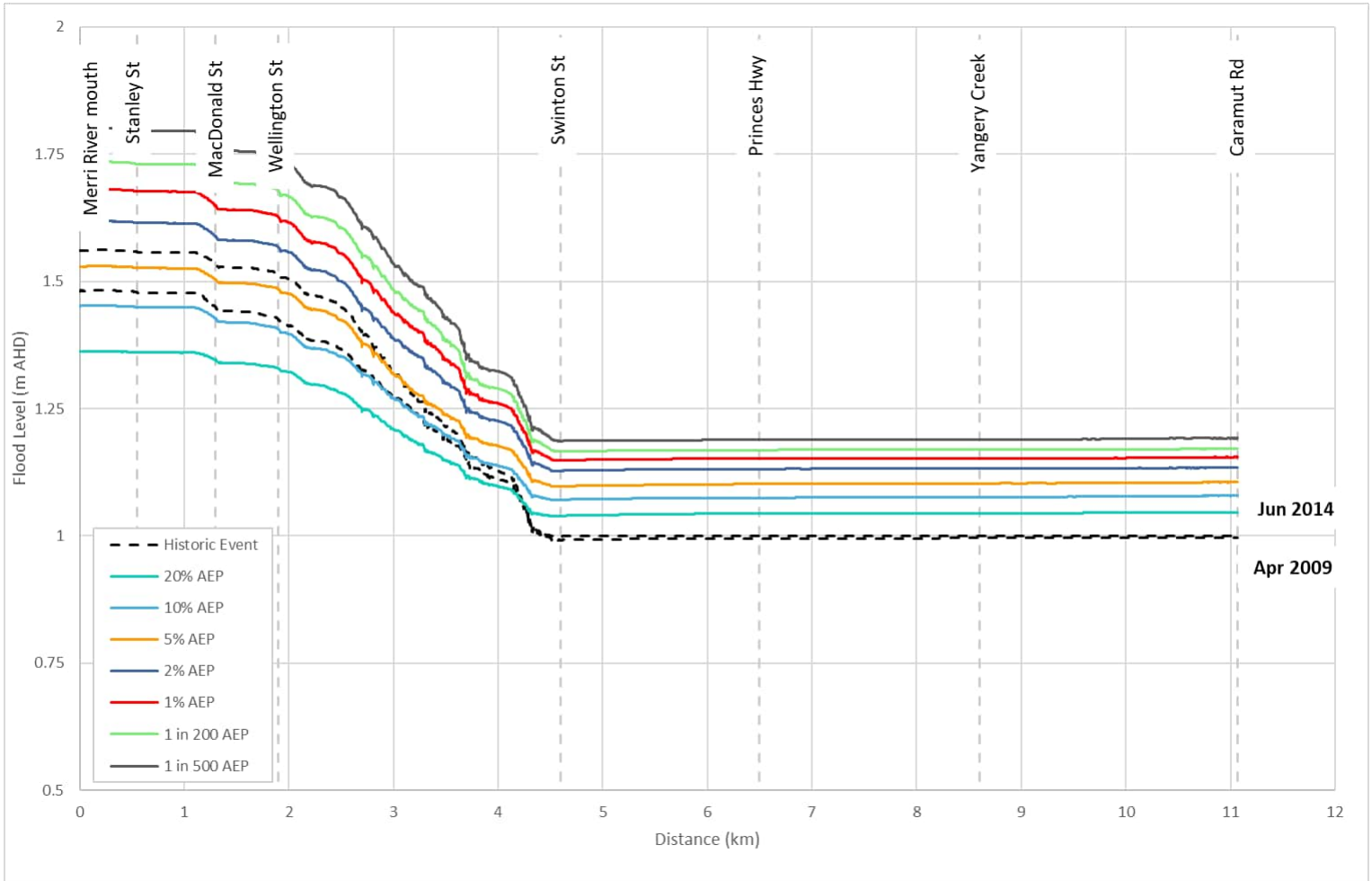

Figure 5-5 Storm tide event flood level long-section

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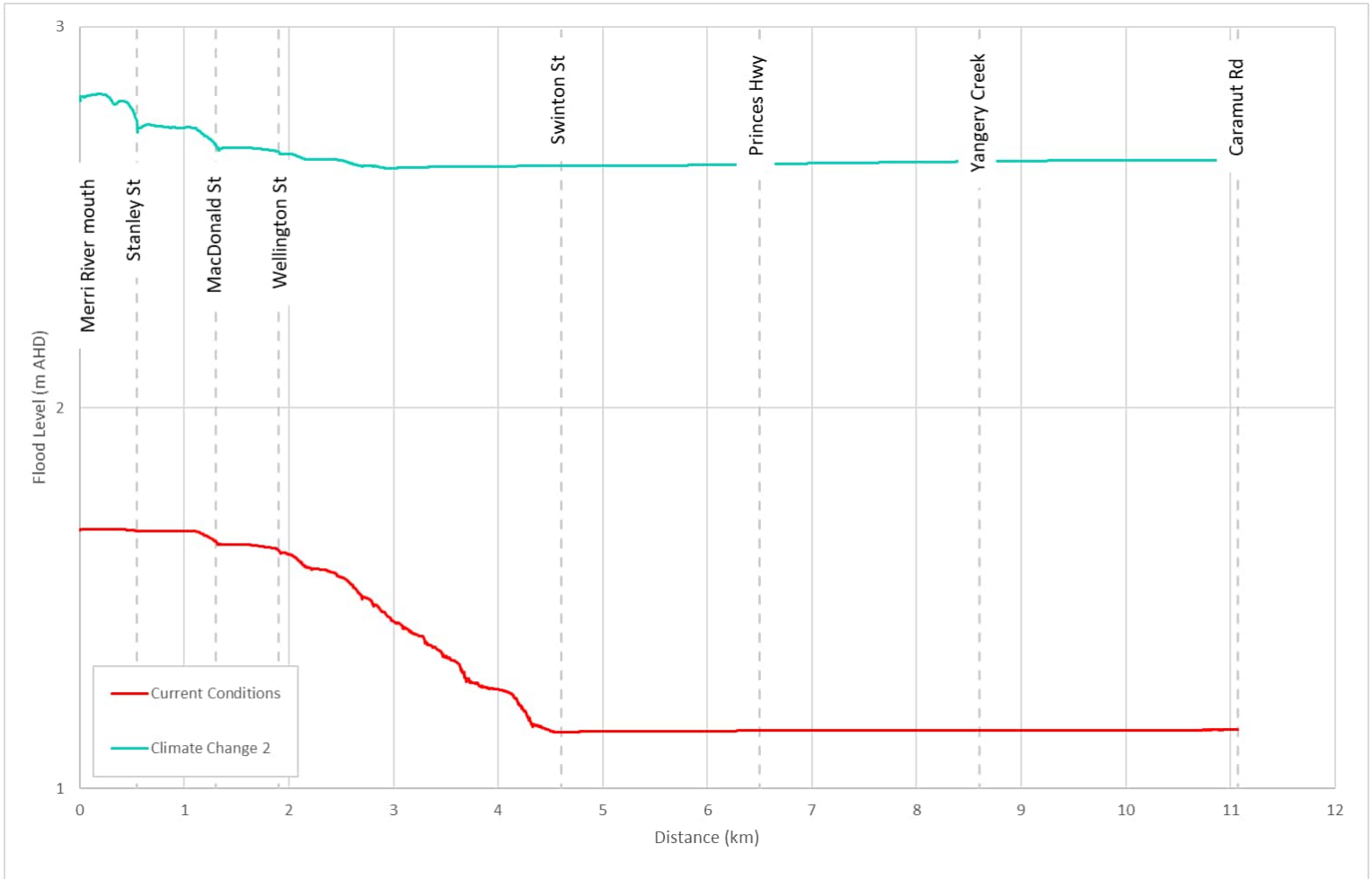


Figure 5-6 Storm tide event 1% AEP flood level long-section scenario comparison

5.6 Property and building inundation

Counts of properties with flooding within their boundary and buildings with flooding above the floor level for riverine and storm tide events are shown in Table 5-3. Inundated properties and buildings are also shown in the depth mapping (Appendix A). The inundated buildings include residential buildings and commercial and industrial buildings. Caravan park cabins, sheds and garages associated with residential properties and pump stations are not included in Table 5-3. However, for emergency response purposes the caravan park cabins inundated are shown on the depth mapping.

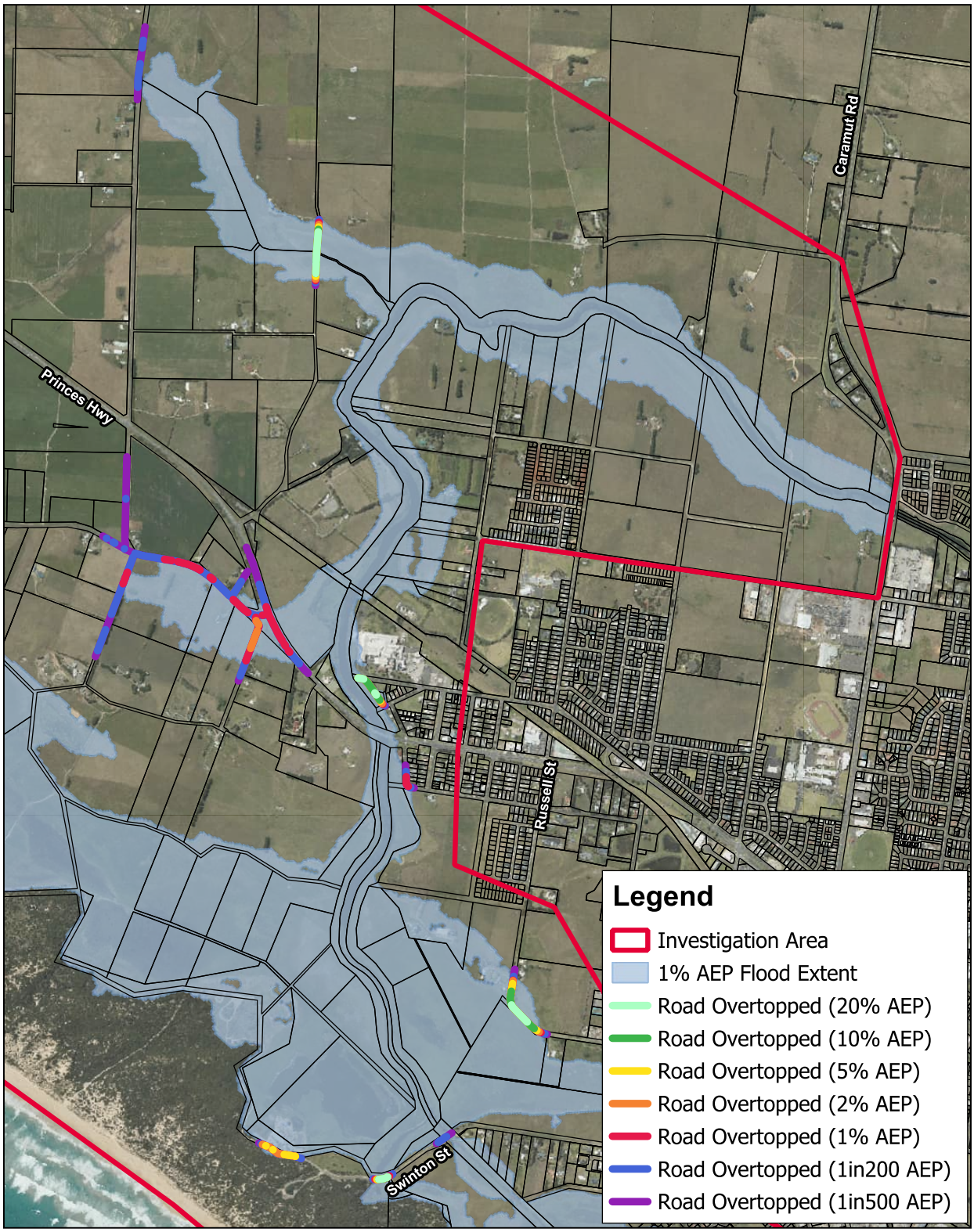
Properties zoned Public Park and Recreation (PPRZ) and Public Conservation and Resource (PCRZ) have been removed from the inundated properties counts. Properties within transport reserves and within the waterways have also been removed.

Table 5-3 Inundated properties and buildings with above floor flooding

Event (AEP)	Current Climate				Climate Change Scenario 2			
	Riverine		Storm Tide		Riverine		Storm Tide	
	Property	Building above floor flooding	Property	Building above floor flooding	Property	Building above floor flooding	Property	Building above floor flooding
20%	235	0	149	0	358	7	332	55
10%	259	0	161	0	376	9	339	58
5%	287	2	176	1	401	20	387	62
2%	350	9	190	2	494	55	409	65
1%	393	25	203	2	569	97	416	68
1 in 200	489	61	207	3	621	137	428	70
1 in 500	578	109	218	3	764	180	439	71
PMF / Tsunami	1106	245	643	122				

5.7 Road inundation

Inundated roads for current climate are shown in Figure 5-7 to Figure 5-12. Road sections are coloured by the smallest event at which overtopping occurs. Inundated roads that are inundated by less than 0.05 m are excluded.



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
Riverine events inundated roads (North)

Figure:	Rev:			By: TL
5-7	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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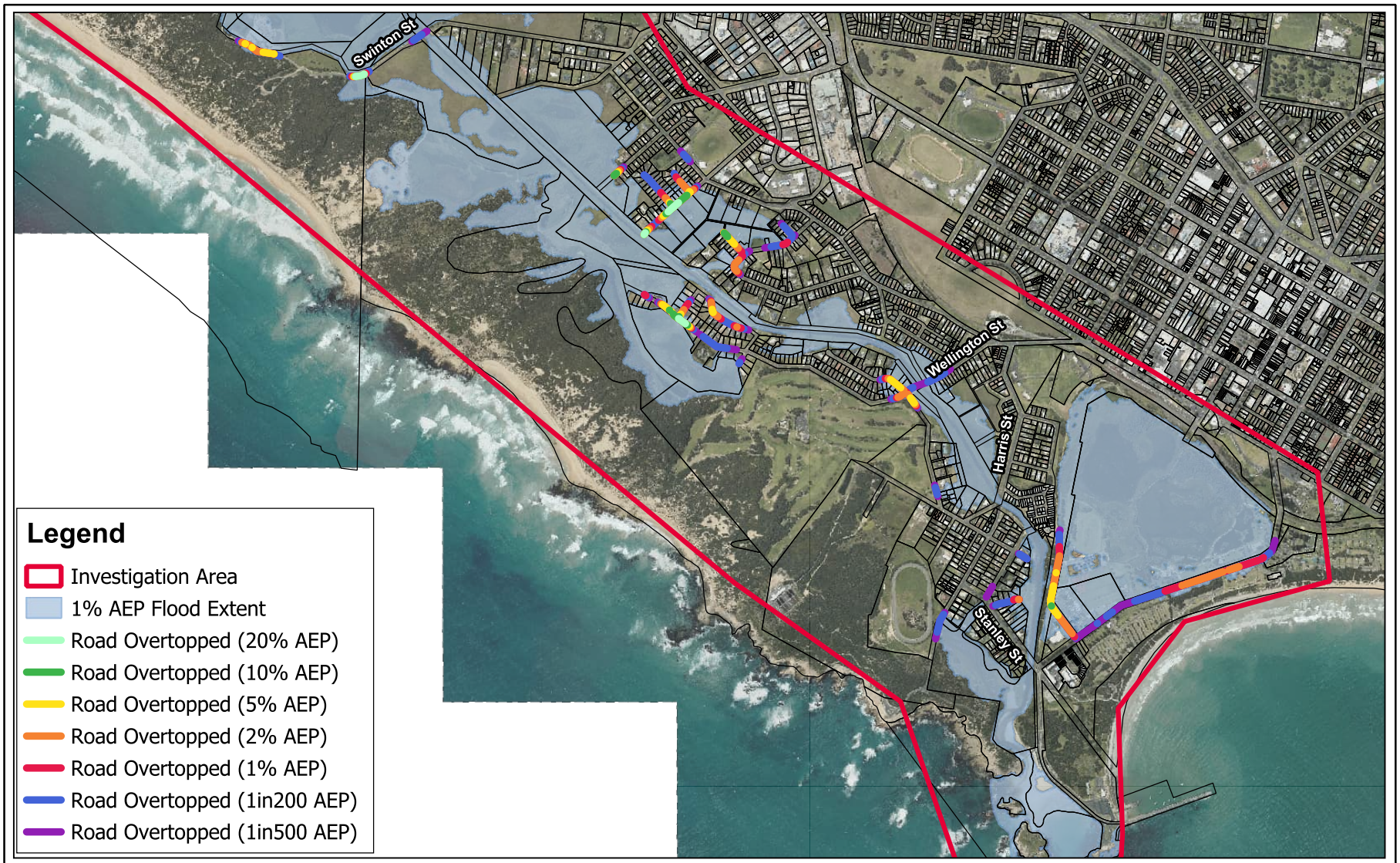

Title: South Warrnambool and Dennington Flood Investigation - Current Climate Riverine events inundated roads (East)

Figure: 5-8

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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By: TL

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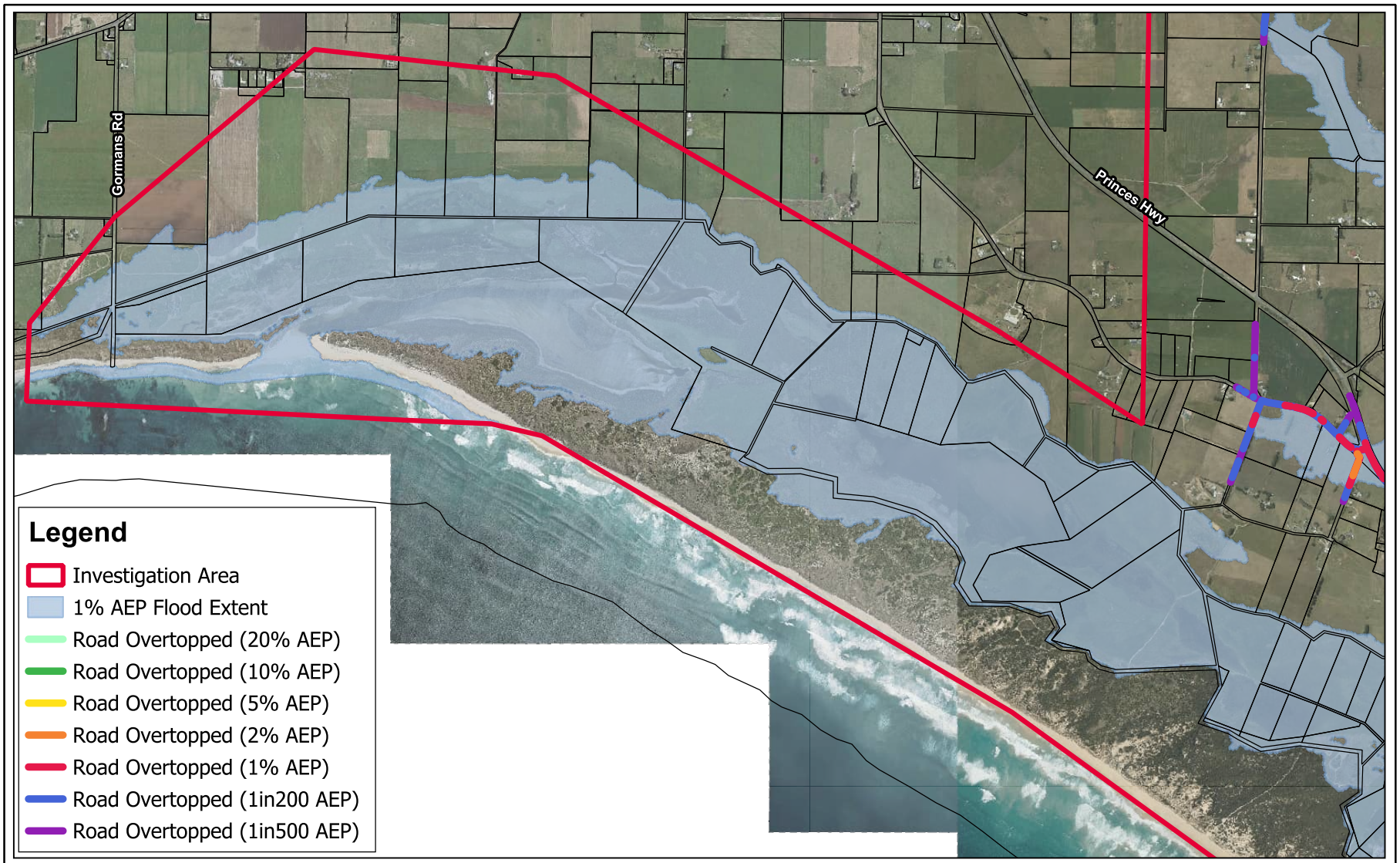

Title: South Warrnambool and Dennington Flood Investigation - Current Climate Riverine events inundated roads (West)

Figure: 5-9

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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By: TL

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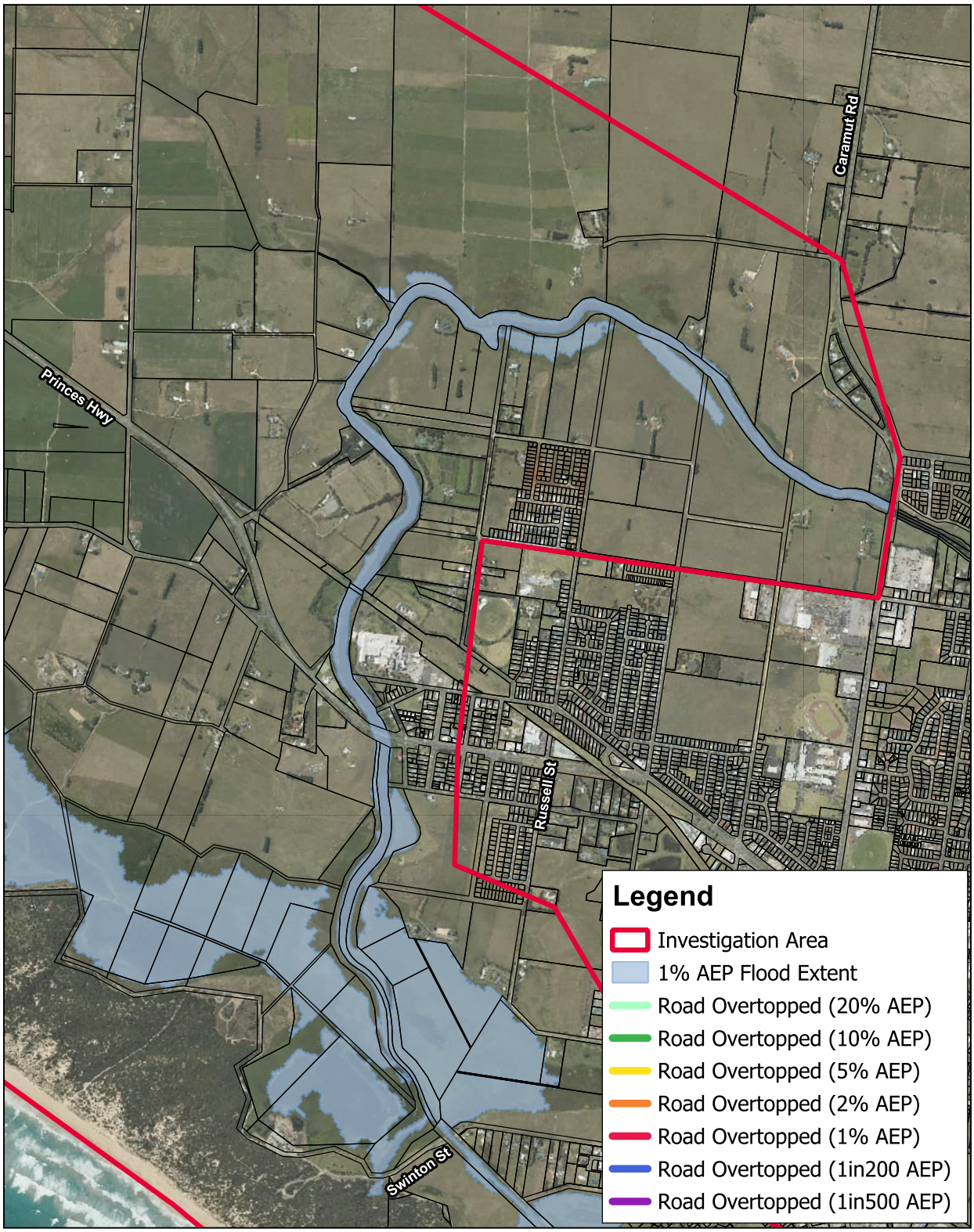

Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
Storm Tide events inundated roads (North)

Figure:	Rev:			By: TL
5-10	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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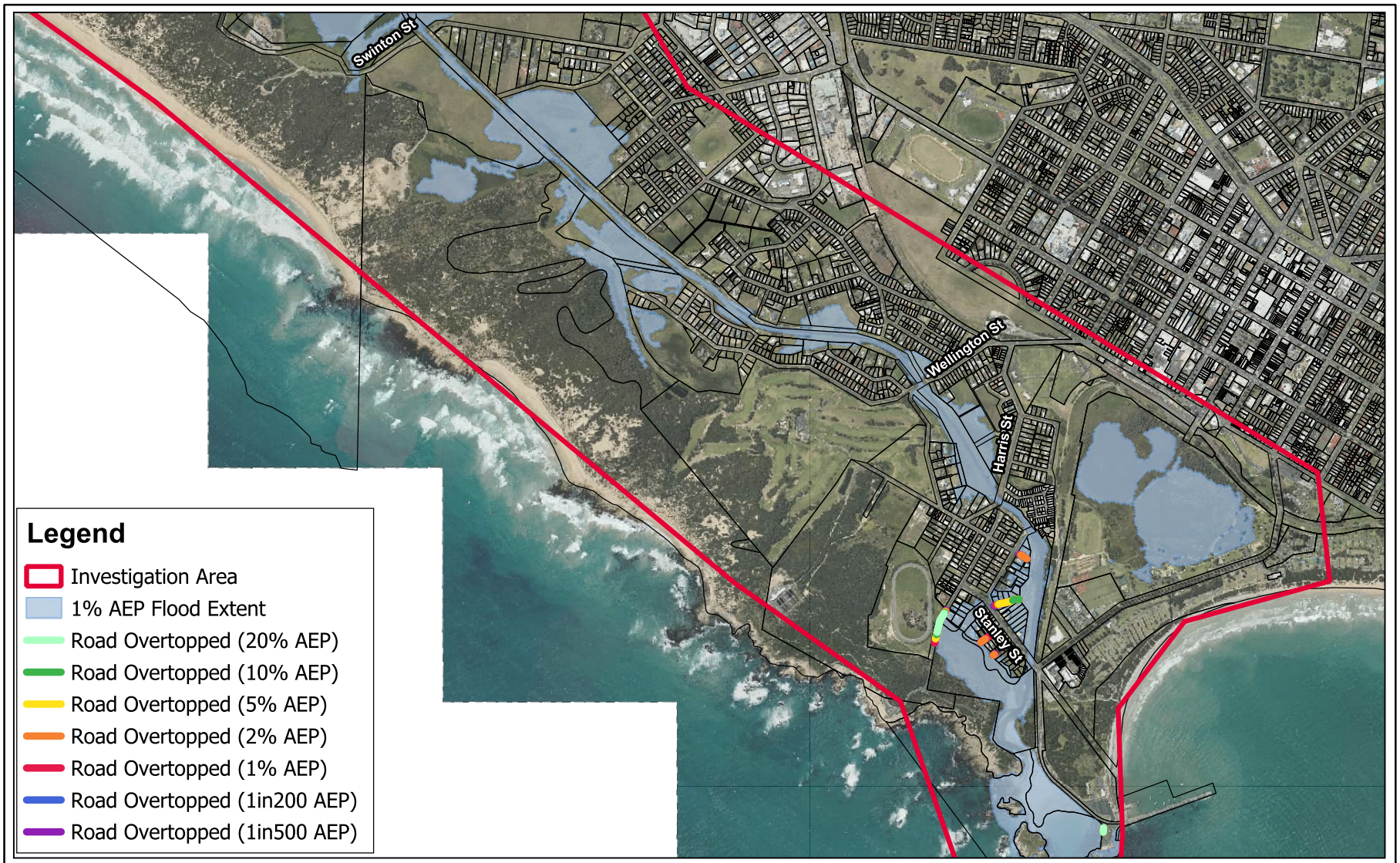
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\Fig5-10_SWFS_TIDE_Inundated_Roads_North.qgz



Title: South Warrnambool and Dennington Flood Investigation - Current Climate Storm Tide inundated roads (East)

Figure: 5-11

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\Fig5-11_SWFS_TIDE_Inundated_Roads_East.qgz

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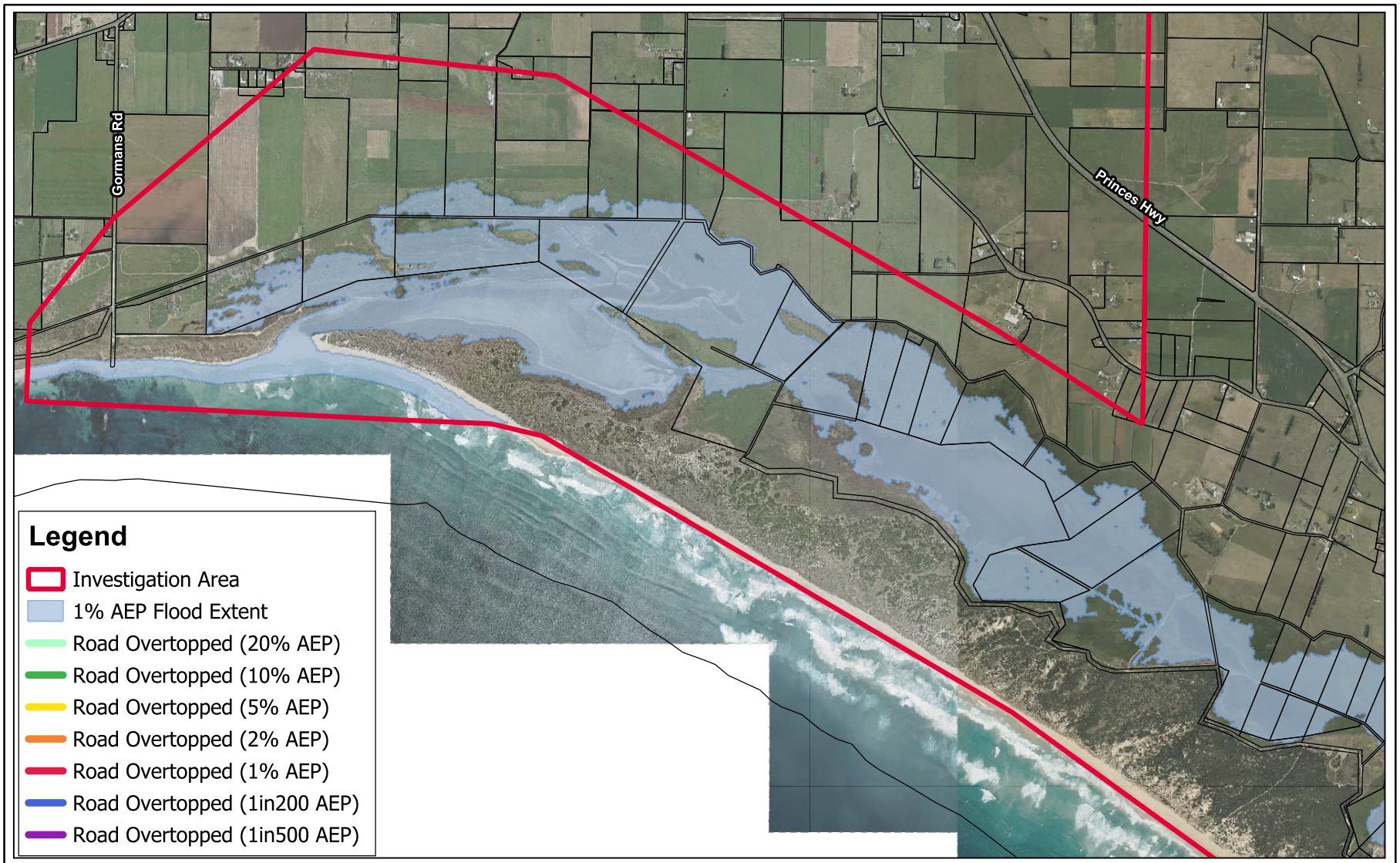
May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate Storm Tides inundated roads (West)

Figure: 5-12

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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By: TL

May 2025

5.8 Travel times

From the start of rainfall it typically takes approximately 10-20 hours for water levels in the Merri River to start rising significantly in Dennington and South Warrnambool. However, this time can be significantly reduced if heavy rainfalls occur over the lower catchment resulting in high flows from tributaries such as Russell Creek and Yangery Creek.

Flood peaks at Woodford typically occur 1-2 days from the start of rainfall in the mid/upper catchment reaching Dennington (Princes Highway) 5-6 hours later and then South Warrnambool (Stanley Street) another 6-10 hours later depending on tide heights.

Table 5-4 presents the estimated travel times relative to start of rainfall in the mid/upper catchment. It should be noted that these travel times are similar to those currently presented in Appendix B of the MFEP.

The travel times can vary significantly for individual flood events as a result of several factors including:

- Antecedent conditions - Catchment antecedent (wetness) conditions (including waterway baseflow) altering the time to convert rainfall to runoff
- Storm durations - Intense short duration storms are likely to result in shorter travel times than longer less intense storms
- Temporal patterns - The time distribution of rainfall within a storm event can alter the travel times
- Spatial patterns - The location of storm in the catchment can alter travel times. For example, a storm centred over the upper catchment is likely to have a longer travel time than a storm centred over the Russell Creek in the lower catchment

Table 5-4 Estimated travels times

Location from	Location to	Typical travel time	Comments	Duration
Start of rainfall (upper catchment)	Woodford	1-2 days	To peak, begins steep rise after 10-20 hours	1-2 days
Woodford	Dennington (Princes Hwy)	5-6 hours	To peak, may begin to rise earlier than 10-20 hours if rainfall over lower catchment results in flooding from Russell Creek	
Dennington (Princes Hwy)	South Warrnambool (Stanley Street)	6-10 hours	To peak, dependent on tide levels	

6 Flood damages assessment

This section summaries the methods used to calculate the Average Annual Damage (AAD) estimate for the Study Area of $625,000 for riverine events and $101,000 for storm tide events resulting in a combined AAD estimate $726,000.

Quantification of flood damages enables floodplain managers and decision makers to gain an understanding of the monetary cost of flooding. For this assessment the flood damages are presented as AAD which is the average flood damage in monetary terms per year that would occur over a long period of time.

As shown in Figure 6-1 flood damages can be categorised as either direct or indirect damages. Direct damages comprise the physical impact of the flood, for example, damages to structure and contents of buildings, agricultural enterprises and regional infrastructure. Indirect damages comprise losses from disruption of normal economic and social activities that arise because of flooding; for example, costs associated with emergency response, clean-up, community support, as well as disruption to transport, employment and commerce.

Further, depending on the difficulty of assigning a monetary value, damages can also be categorised as tangible or intangible. Tangible flood damages are those which can easily be assigned a monetary value such as damages to buildings. Intangible flood damages are those which cannot be easily assigned a monetary value such as environmental and social costs.

Potential flood damages can be reduced by actions taken during the warning time available in response to a flood event referred to as actual damages.

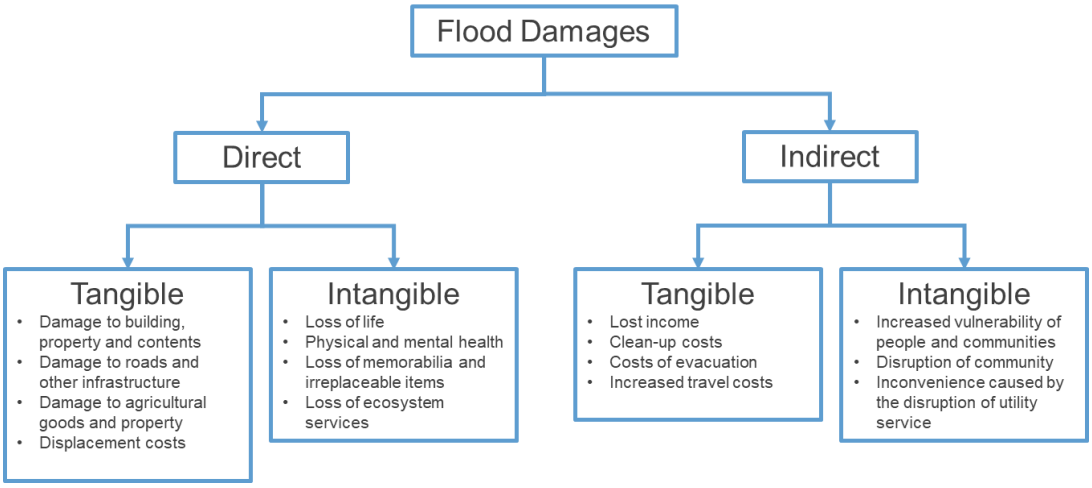


Figure 6-1 Categories of flood damage

6.1 Economic inputs

The following economic input data, indexed to a monetary value relative to that at the end of the September quarter of 2024, were used as inputs into the damage calculations:

- **Building and property damages**
  - **Residential direct damages** – Residential direct damages are comprised of several aspects; structural damage, contents damage, external (property) damage and relocation costs.
    The inundation depth-damage curves for residential buildings which include structural and contents damages were sourced from the NSW Department of Planning and Environment's Flood risk

management measures: Flood risk management guideline MM01 (DPE 2023) factored for the Warrnambool Local Government Area.

External damages were applied to each residential property with a building on it when inundated above 0.3 m as recommended in DPE (2023).

Relocation costs are based on the June 2024 quarter median rental rates for regional Victoria published by the Department of Families, Fairness and Housing applied via an inundation depth-relocation duration curve provided in the Flood Damage Assessment FRM Tool DT01 developed by the NSW Department of Planning and Environment

- **Commercial and industrial building direct damages** - Commercial and industrial building direct damages are comprised of structural and contents damage. The inundation depth-damage curves for commercial and industrial buildings were sourced from DPE (2023)
- **Public building damage** - Public building direct damages are comprised of structural and contents damage. The inundation depth-damage curves for public buildings were sourced from DPE (2023) and are classified in three categories; schools, hospitals and other public buildings

- **Road and other infrastructure damages** - Road damages were defined by Rapid Appraisal Method (RAM) for Floodplain Management (DNRE 2000) and include initial road repair, subsequent accelerated deterioration and bridge repair and accelerated deterioration.

  Other infrastructure damages are assumed to be 5% of residential property damages as recommended in the Flood Damage Assessment FRM Tool DT01 developed by the NSW Department of Planning and Environment.
- **Agricultural damages** - The predominant agricultural land use type in the Investigation area is dryland pasture which is not expected to experience plant death during inundation periods of less than five to seven days (DNRE 2000). As such only clean-up costs have been accounted for
- **Indirect damages** - For residential clean-up costs when buildings are inundated above floor level a clean-up cost has been applied as recommended in DPE (2023). Non-residential Indirect damages are assumed to be 30% of total direct damages as recommended in DNRE (2000)
- **Intangible damages** - Intangible damages are assumed to be 100% (Deloitte 2016 and Werritty et al. 2007) of total direct damages. Intangible damages are comprised of non-physical and unpriced damages that result from direct and indirect impacts. These include but are not limited to the following:
  - Physical health (including loss of life)
  - Psychological health impacts (e.g. mental health impacts, trauma, concerns of future floods and loss of confidence in authorities and services)
  - Social impacts (loss of community and irreplaceable societal memorabilia)
  - Cultural and heritage impacts
  - Flora and fauna impacts

6.2 Current climate average annual damages

The riverine event AAD estimate of $626,000 and storm tide event AAD estimate of $101,000 are based on independent events so there is a combined AAD estimate $727,000.

The AAD and the breakdown from each type of damages for riverine and storm tide flooding are presented in Table 6-1 and Table 6-2 respectively. The composition of the type of damage contributing to the AAD for riverine and storm tide flooding are shown in Figure 6-2 and Figure 6-3 respectively. These figures show that except for intangibles, damages to building and property contribute the largest portion of damages, approximately 44%. This is expected given the relative high worth of residential and other use type buildings and property in comparison to road and other infrastructure and agricultural land per unit of area.

Table 6-1 Riverine event current climate damages summary

AEP	Building and property damages	Road and other Infrastructure Damages	Agricultural Damages	Indirect Damages	Intangible Damages	Total Damages	Contribution to AAD
PMF	$72,265,000	$4,581,000	$34,000	$3,473,000	$76,879,000	$157,232,000	**$201,000**
1 in 500	$19,975,000	$1,329,000	$16,000	$1,019,000	$21,321,000	$43,660,000	**$102,000**
1 in 200	$10,944,000	$793,000	$13,000	$619,000	$11,750,000	$24,119,000	**$86,000**
1%	$4,606,000	$369,000	$10,000	$265,000	$4,985,000	$10,235,000	**$72,000**
2%	$1,853,000	$183,000	$8,000	$106,000	$2,044,000	$4,194,000	**$83,000**
5%	$555,000	$75,000	$7,000	$41,000	$637,000	$1,315,000	**$46,000**
10%	$212,000	$40,000	$6,000	$18,000	$258,000	$534,000	**$29,000**
20%	$0	$15,000	$5,000	$6,000	$20,000	$46,000	**$7,000**
Average Annual Damages							**$626,000**

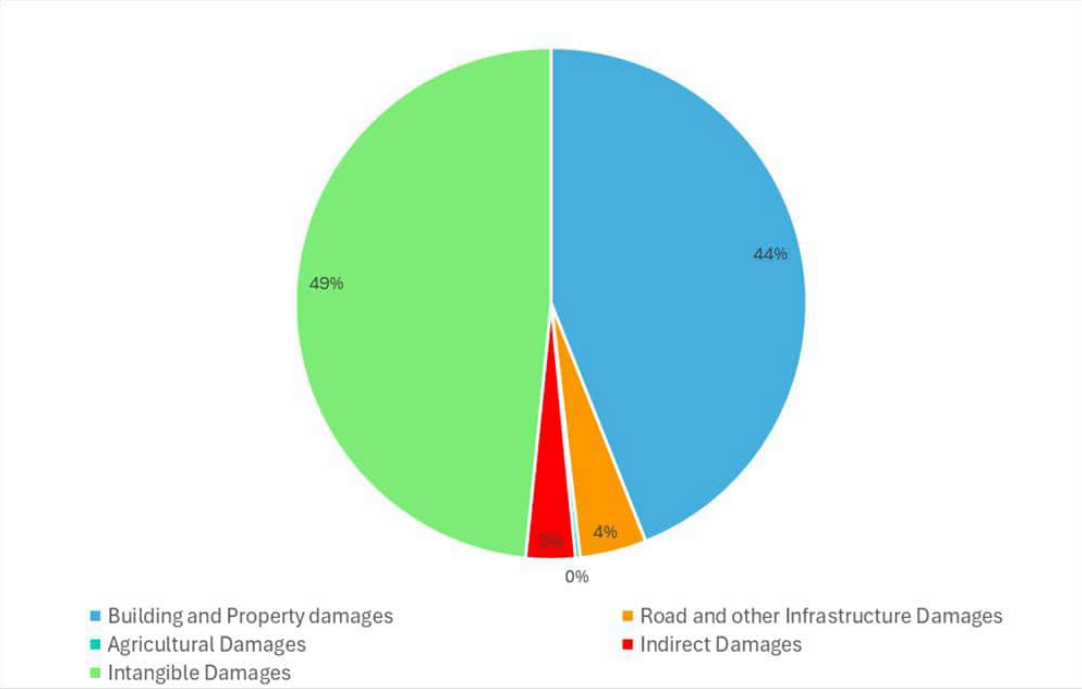


Figure 6-2 Riverine event current climate AAD composition

Table 6-2 Storm tide event current climate damages summary

AEP	Building and property damages	Road and other Infrastructure Damages	Agricultural Damages	Indirect Damages	Intangible Damages	Total Damages	Contribution to AAD
PMF	$35,942,000	$2,151,000	$10,000	$2,182,000	$38,103,000	$78,388,000	**$76,000**
1 in 500	$565,000	$43,000	$1,000	$26,000	$610,000	$1,245,000	**$3,000**
1 in 200	$371,000	$32,000	$1,000	$18,000	$404,000	$826,000	**$3,000**
1%	$242,000	$25,000	$1,000	$16,000	$268,000	$552,000	**$4,000**
2%	$134,000	$18,000	$1,000	$10,000	$153,000	$316,000	**$8,000**
5%	$79,000	$11,000	$1,000	$8,000	$90,000	$189,000	**$5,000**
10%	$0	$5,000	$1,000	$2,000	$5,000	$13,000	**$1,000**
20%	$0	$3,000	$0	$1,000	$4,000	$8,000	**$1,000**
Average Annual Damages							**$101,000**

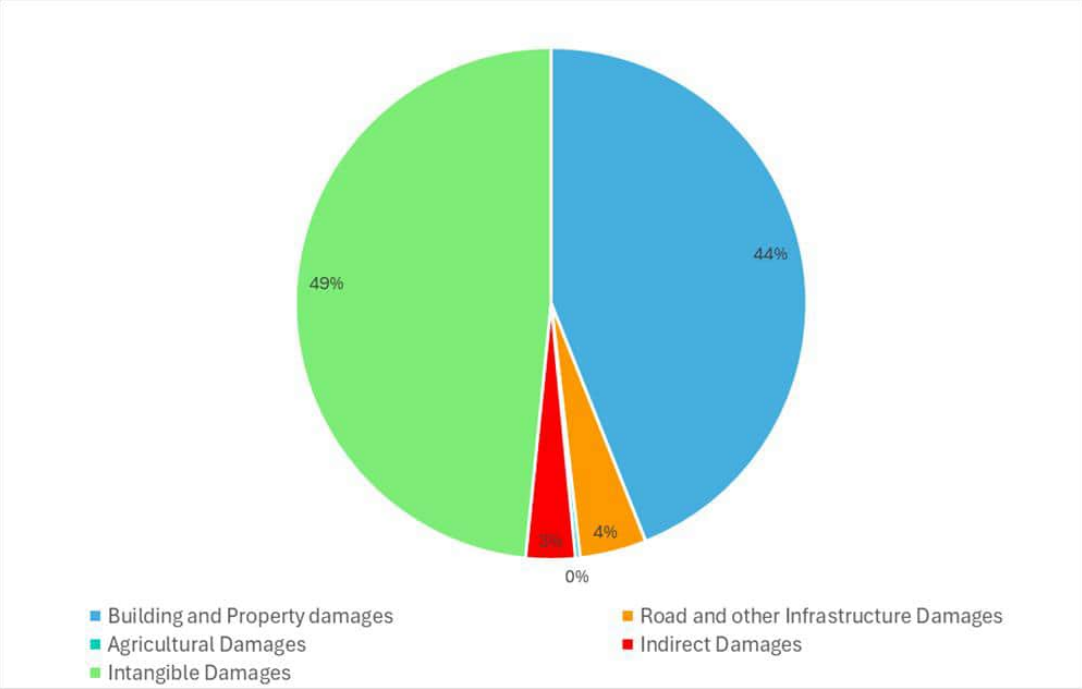


Figure 6-3 Storm tide event current climate AAD composition

7 Draft planning overlay mapping

A key objective of the Victorian Floodplain Management Strategy (DELWP 2016) is "*not making things worse*" and the strategy recognises avoidance and minimisation of flood risk via the Victorian land use and development and building approval systems as key to achieving this objective.

Land use planning controls are one of the most, if not the most, effective instruments available to mitigate the risk of flooding on communities. The objectives of the State and Warrnambool City Council planning policy for floodplain management is to assist the protection of:

- Life, property and community infrastructure from flood hazard, including coastal inundation, riverine and overland flows
- The natural flood carrying capacity of rivers, streams and floodways
- The flood storage function of floodplains and waterways
- Floodplain areas of environmental significance or of importance to river, wetland or coastal health

The strategy to achieve these objectives includes identifying land affected by flooding, including land inundated by 1% AEP or as determined by the floodplain management authority in planning schemes. For this Study the 1% AEP event is defined as a combination of the maximum of 1% AEP riverine (allowing for the influence of joint probability, refer to Section 4.6) and 1% AEP storm tide events.

As shown in Figure 7-1 and Figure 7-2 there are currently a number of flood risk related planning controls in place for Dennington and South Warrnambool including Urban Flood Zone (UFZ), Floodway Overlays (FO) and Land Subject to Inundation Overlay (LSIO). In South Warrnambool the planning controls were first implemented in the mid-1990s. In the mid-2010s the planning controls were updated north-west of Block Street and extended to include Dennington based on the South Warrnambool Flood Study (Water Technology 2007a) and Dennington Flood Study (2007b).

The flood risk mapping produced by this Investigation provides the foundation for updating and providing consistency in the planning controls.

Flood prone land is defined by the 1% AEP and shows where development is generally permissible and is represented by LSIOs. Waterways, major floodpaths, drainage depressions and high hazard areas which have the greatest risk and frequency of being affected by flooding where development should generally not be permitted are represented by UFZs and FOs. For this Investigation these areas have been identified using safety criteria where the 1% AEP flood depth is likely to reach or exceed 0.5 m, and/or land where the 1% AEP flood hazard factor (the product of depth and velocity) is likely to reach or exceed 0.4 m^2/s, and/or water velocity is likely to be 2 m/s or more. This is based on the safety thresholds for children and light building structures as presented in the Guidelines for Development in Flood Affected Areas (DELWP 2019).

An objective of the State and Warrnambool City planning policy is to minimise the impacts of natural hazards and adapt to the impacts of climate change by identifying at risk areas using the best available data and climate change science. Therefore, the draft planning mapping has been prepared based on the Climate Change 2 scenario, described in detail in Section 1.4, to represent the best available climate science at the time of this Investigation and is widely adopted for land use and development planning purposes in Victoria and throughout Australia.

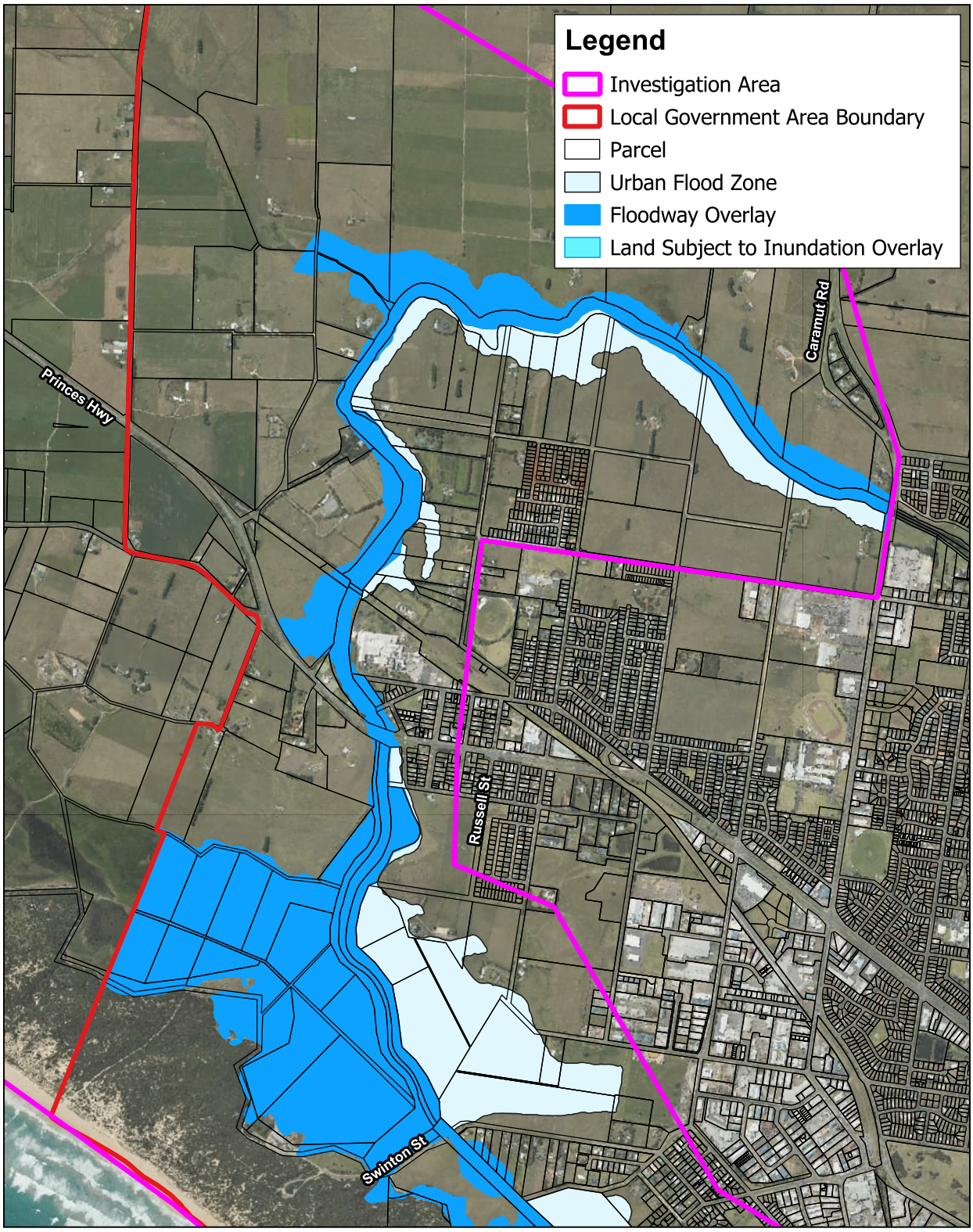
Increased rainfall intensity has been defined in accordance with the guidance provided in the Draft Update to the Climate Change Considerations Chapter in Australian Rainfall and Runoff: A guide to Flood Estimation (DCCEEW 2023) resulting in a 41% increased rainfall intensity from the 1961 to 1990 baseline. The applied increased rainfall intensity factor accounts for the likely impact of climate change on the amount of inland catchment rainfall runoff, which affects the magnitude of flood flows in the Merri River. Flood risk is also

affected by the height of the ocean at the Merri River mouth (Stingray Bay) and Rutledges Cutting. This is because sea level rise results in higher ocean levels making the impact of storm tide events more severe and backs water up the Merri River estuary during riverine flood events.

Victoria's current sea level rise planning policy (Clause 13.01-2s of the Victoria Planning Provisions) is to plan for not less than 0.8 m of sea level rise by the year 2100. It is understood at the time of the Study, that this policy has been reviewed as per Action 3.9 of the Marine and Coastal Strategy (DELWP 2022). It is also understood that this review responds to the IPCCs 6th assessment report finding that the global average increase in mean sea level can be expected to be in the order of up to 1.1 metres by the year 2100, given the current trajectory of greenhouse gas emissions and the potential impact of this trajectory on the future mean surface temperature. Consequently, Victoria's minimum required planning allowance for sea level rise is likely to be revised upward to account for more than 0.8 m of rise in alignment with Climate Change Scenario 2.

A notable decision relating to this and Victoria's adaptive approach to dealing with the sea level rise risk was made by the Minister for Planning in early October 2024. The decision related to amendment C69 of the Moyne Shire planning scheme. The Ministers Decision was to revise the flood risk related planning controls (overlays) covering the coastal and riverine floodplains at Port Fairy to account for up to 1.2 m of sea level rise. The decision accounts for the fact that there is high confidence that sea levels will continue to rise for centuries beyond 2100 due to continuing deep ocean heat uptake and mass loss of glaciers and ice sheets and remain elevated for thousands of years (IPCC 2019). Therefore the 1.2 m sea level rise mapping is an appropriate tool for understanding, planning for and adapting to, future levels of risk.

The resulting draft planning mapping is shown in Figure 7-3 and Figure 7-4. Please note, the mapping presented is likely to be subject to change prior to use in any planning scheme amendment as review of the extents on an individual lot scale is undertaken.



Title:
South Warrnambool and Dennington Flood Investigation
Existing flood related planning controls (North)

Figure:	Rev:			
7-1	A	0.35 0 0.35 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	By: TL Date: May 2025

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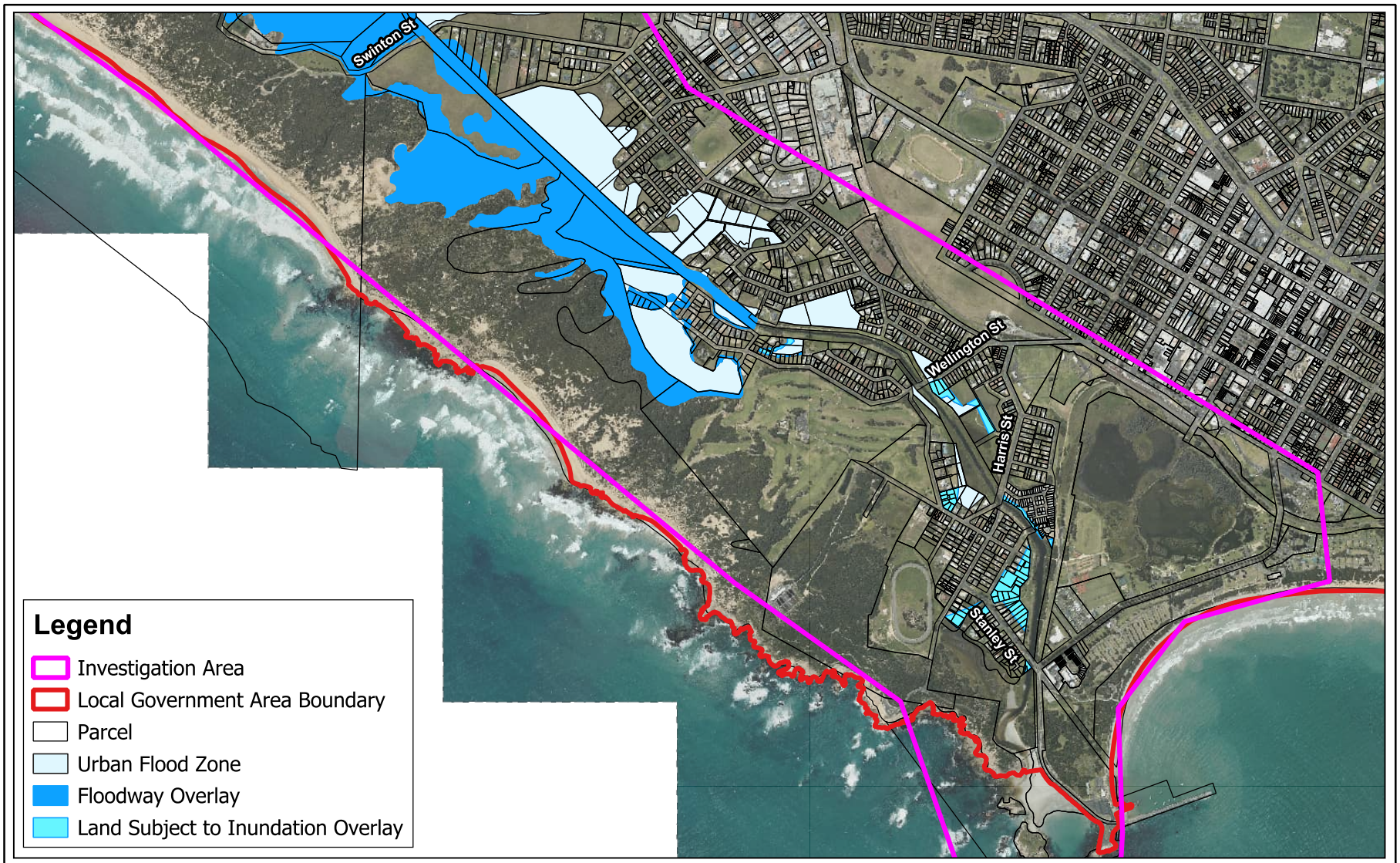

Title: South Warrnambool and Dennington Flood Investigation
Existing flood related planning controls (East)

Figure: 7-2

Rev: A

0 350 700 m

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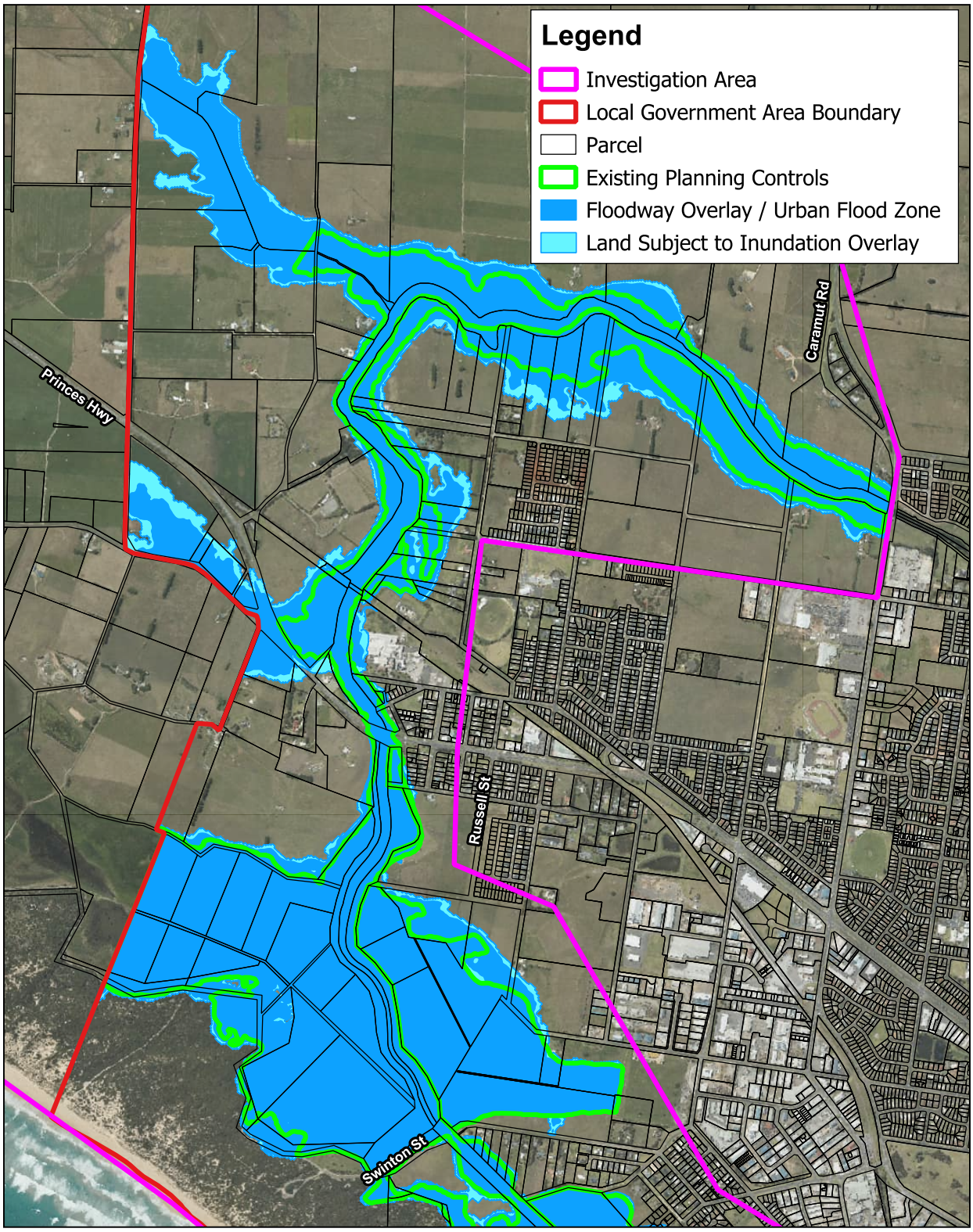

Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
Draft Planning Overlay Mapping (North)

Figure:	Rev:			
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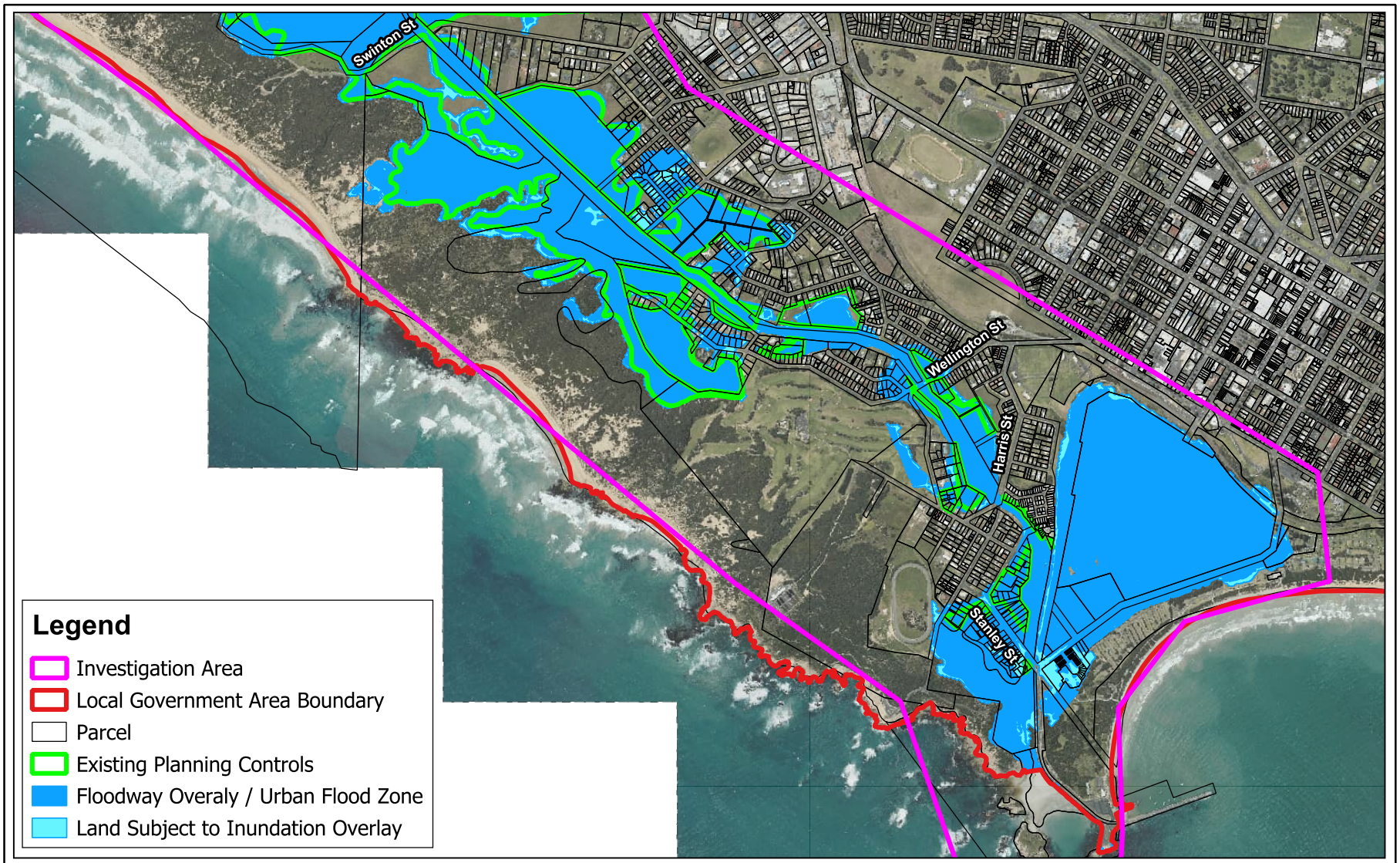

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 Draft Planning Overlay Mapping (East)

Figure: 7-4

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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8 Structural mitigation options feasibility assessment

Structural mitigation measures are physical works to reduce the likelihood of flooding. For this Investigation the feasibility assessment of three structural mitigation options has been assessed.

8.1 Mitigation option selection

A mitigation option selection process was undertaken to identify the structural mitigation options for the feasibility assessment. The mitigation option selection process was undertaken in three stages:

1. Identification of 27 potential structural mitigation options throughout the preceding tasks of the Investigation from the following sources:
   a) Local community from feedback provided prior to the Community Session held on the 8th of November 2023
   b) Project Reference Group (PRG)
   c) Project team (Council, GHCMA and Venant Solutions)
2. Collation and review all the identified potential structural mitigation options to develop a consolidated list of six options listed in Table 8-1 to present to the community at the session held on the 8th of November 2023.
3. Following presentation of the pre-feasibility assessment each community member in attendance at the meeting was provided with two votes which they could use for the option that they wished to be further assessed. The votes were collated and the options selected for the feasibility assessment were confirmed at the PRG meeting held on the 9th of November 2023. The results of the votes are presented in Table 8-1

Table 8-1 Potential structural mitigation option community votes results

Option	Votes	Rank
Merri River Levees	1	6
Creation of an opening at Levys Point	3	5
Restrict flow through Swinton Street Bridge	9	1
Increase capacity of Merri River bridge openings	9	1
High flow bypass into Kellys Swamp	4	5
Improve flow across Kellys Swamp (Boardwalk and Kellys Swamp / Saltwater Swamp high point)	8	3

Following the community vote at the PRG meeting on the 9th of November 2023 the outcomes of the votes were confirmed and three options were developed for feasibility assessment using the flood model:

- Option 1 – Restrict flow across Swinton Street with Kelly Swamp / Saltwater Swamp works
- Option 2 – Excavation of the Merri River Cutting channel under and downstream of the MacDonald Street bridge
- Option 3 – High flow bypass from the Merri River into Kelly Swamp

In the early stages of flood mitigation options feasibility assessment using the flood model it became apparent that Option 2 and 3 would not provide as significant improvements in flood risk as expected.

For Option 2, the flood model showed that excavation of the Merri River Cutting channel under and downstream of the MacDonald Street bridge would provide reductions in peak riverine event flood levels that were primarily limited in extent to between MacDonald Street and Wellington Street where reductions in the 1% AEP riverine peak flood level of -0.4 m are achieved. Further upstream reductions in peak flood level of less than 0.05 m are achieved.

For Option 3, the bypass channel did not show any significant benefit in reducing flow and in turn flood levels downstream of Swinton Street through South Warrnambool.

Therefore, two new options were developed for feasibility assessment using the flood model:

- Option 4 – Excavation of the Merri River Cutting at four locations
- Option 5 – Install flood gates at the Swinton Street bridge with Kelly Swamp / Saltwater Swamp works

The options selected are focused on mitigating the impact of riverine flooding which is of the highest flood risk for the majority of the floodplain as opposed to storm tide flooding.

8.2 Selected mitigation option descriptions

8.2.1 Option 1 - Restrict flow across Swinton Street with Kelly Swamp / Saltwater Swamp works

The aim of Option 1 is to further increase the proportion of flow that discharges via Rutledges Cutting to reduce the flood flows and in turn flood levels in the urbanised area of South Warrnambool.

As shown in Figure 8-1 Option 1 consists of the following works:

- Placement of 200 m^3 of rock reinforcement under the Swinton Street bridge to restrict flows. This narrows the channel width under the bridge by approximately 5 m
- Raising of a 50 m section of Swinton Street at the corner near the quarry entrance to a level of 4.3 m AHD equal to the next lowest point in the road approximately 20 m south-east of the Swinton Street bridge
- Excavation of the higher land between Kelly Swamp and Saltwater Swamp to a level of 0.8 m AHD to allow for more flow to pass towards Rutledges Cutting. This results in an estimated 400,000 m^3 of material been excavated and disposed of offsite
- Clearing of the Spiny Rush that is growing in the swamp system. The GHCMA has estimated that the Spiny Rush currently covers an area of 4.2 ha

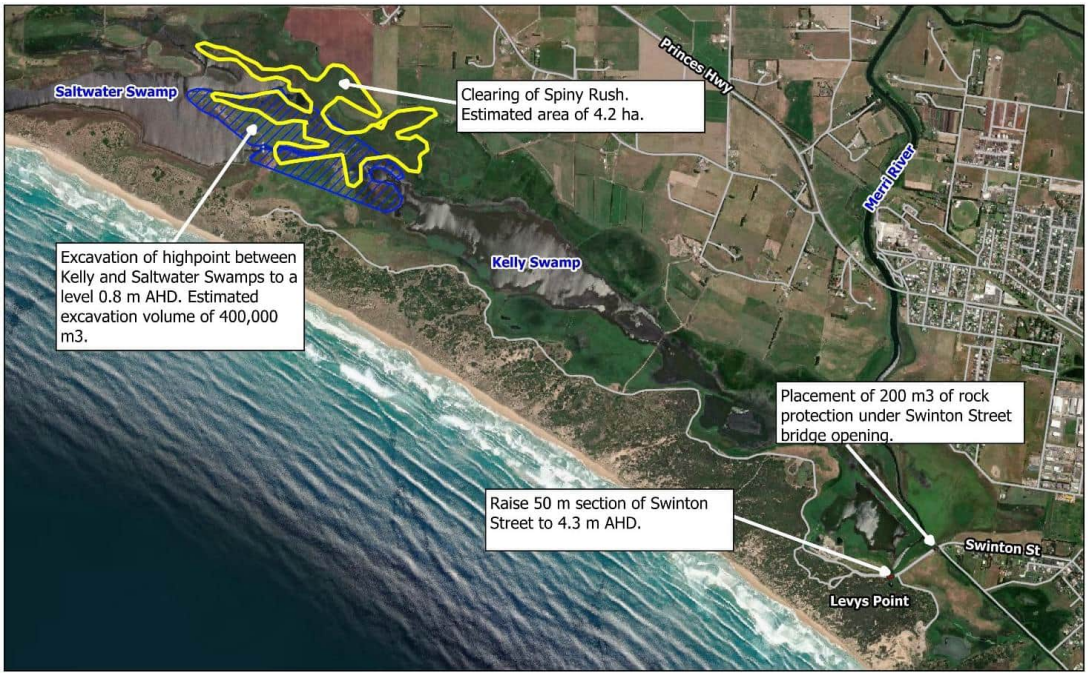


Figure 8-1 Option 1 layout

8.2.2 Option 4 - Excavation of the Merri River Cutting at four locations where the channel narrows

There are several locations along the Merri River Cutting where the channel width narrows restricting the flow capacity to the outlet at Stingray Bay. The aim of Option 4 is to increase the flow capacity of the Merri River Cutting by widening the channel at the narrowest points. To offset the additional flow that passes through the channel downstream of MacDonald Street, ground levels on the west bank of the channel between Stephens Street and Stanley Street need to be raised.

As shown in Figure 8-2 Option 4 consists of the following works:

- Excavation of the Merri River Cutting at four locations with a total excavation volume of 14,300 m3.
- Raise Denman Drive by between 50 mm and 350 mm.
- A 50 to 350 mm high bund with a 0.5 m top width and 1 in 8 batters.

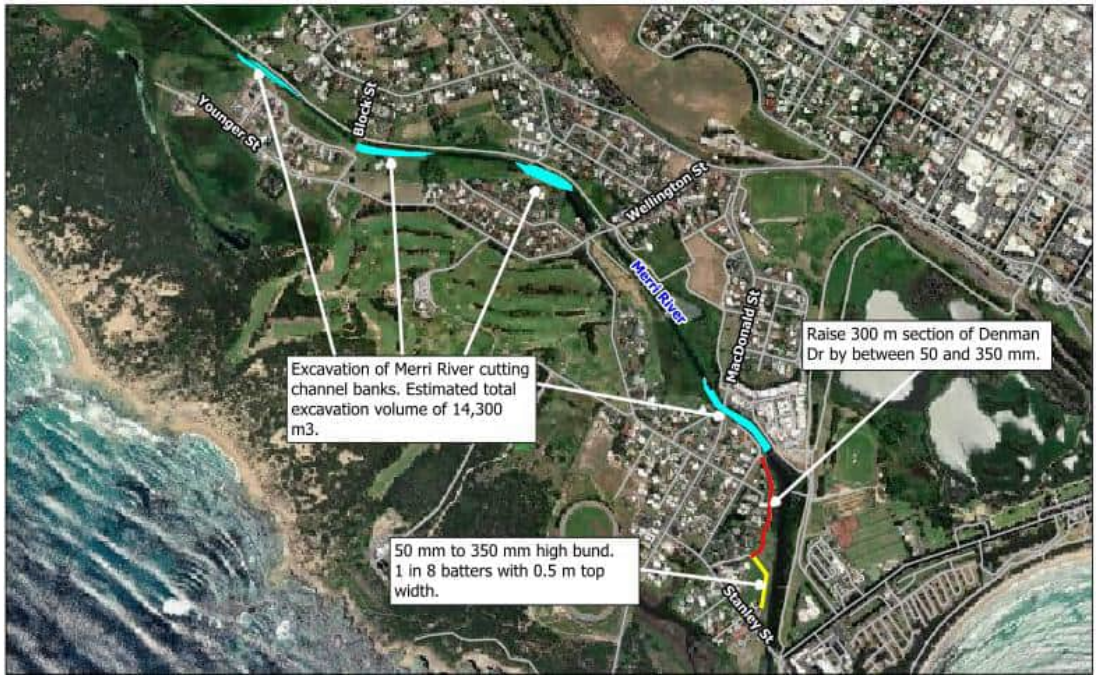


Figure 8-2 Option 4 layout

8.2.3 Option 5 - Install a flood gate at the Swinton Street bridge with Kelly Swamp / Saltwater Swamp works

The aim of Option 5 is to further the concept tested in Option 1 (Section 8.2.1) by completely blocking flow at Swinton Street to a level of 4.3 m AHD or a current climate conditions 1% AEP riverine event. To compensate for the increase in flood level upstream through Dennington, the Kelly and Saltwater Swamp works are required.

As shown in Figure 8-3 Option 5 consists of the following works:

- Install flood gates at Swinton Street involving:
  - Construction of a concrete headwall upstream of Swinton Street to attach the flood gates to
  - Four 4000 mm wide x 2700 mm high penstocks
  - Actuators to raise and lower penstocks
- Raising of a 50 m section of Swinton Street at the corner near the quarry entrance to a level of 4.3 m AHD to equal to the next lowest point in the road approximately 20 m south-east of the Swinton Street bridge
- Install flap valve on the 750 mm culvert under Swinton Street
- Excavation of the higher land between Kelly Swamp and Saltwater Swamp to a level of 0.8 m AHD to allow for more flow to pass towards Rutledges Cutting. This results in an estimated 400,000 m^3 of material been excavated and disposed of offsite
- Clearing of the Spiny Rush that is growing in swamp system. The GHCMA has estimated that the Spiny Rush currently covers an area of 4.2 ha

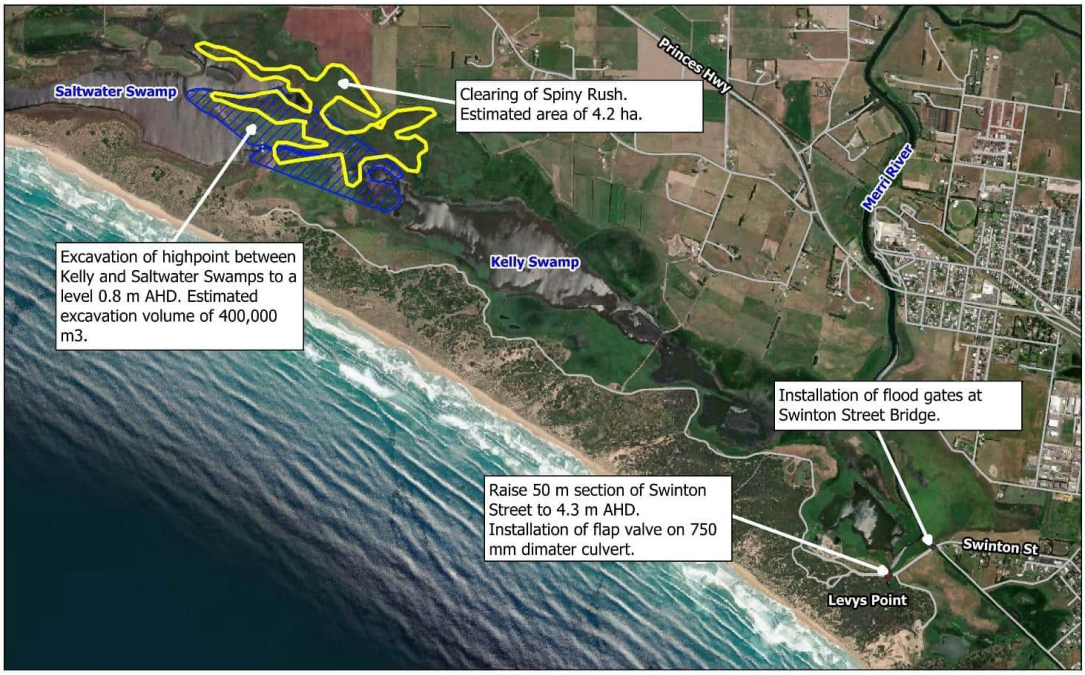


Figure 8-3 Option 5 layout

8.3 Feasibility assessment results

Each structural mitigation option is assessed against the effectiveness in reducing flood levels using the flood model and the economic benefit.

8.3.1 Flood level reductions

To determine the effectiveness of a structural mitigation option in reducing flood risk, flood level impact mapping is used to compare the reduction (or increase) in peak flood levels as a result of the works. The reduction in the number of houses with above floor flooding is also assessed.

The flood level impact mapping for 1% AEP riverine Current Climate and Climate Change 2 scenarios is presented in Appendix D. To interpret flood level impact maps the yellow colour indicates no change in flood level within a +/- 0.05 m tolerance, reductions in flood level are shaded with greens and increases in flood level are shaded with oranges/reds. The magenta colour indicates a region where flooding currently occurs, but would no longer occur if the option was implemented, and the blue colour indicates a region where flooding currently does not occur but would if the option was implemented.

The number of houses with above floor flooding in the Current Climate 1% AEP riverine event are shown in Table 8-2.

The modelling indicates that Option 1 results in the amount of flow discharging to Rutledges Cutting in a 1% AEP riverine event increasing from 88% to 92%. This results in decrease in flood level across the South Warrnambool and Dennington floodplain in all modelled events. In the current climate 1% AEP riverine event these decreases are up to 0.5 m in the Landmann Street area with inundation of the properties on the west side of Landmann Street, Silesia Court and Rentsch Court prevented. Further upstream decreases in current climate 1% AEP riverine event of between 0.05 to 0.1 m up to the Yangery Creek confluence are shown. West of the excavation area increases in peak flood level are limited to below 0.1 m. As shown in Table 8-2 Option 1 is successful in reducing riverine event above floor flooding of houses in South Warrnambool in a 1% AEP riverine flood event from 25 to 5.

For Option 4 in the 1% AEP current climate conditions riverine event the additional flow capacity of the Merri River cutting lowers flood levels in the Landmann Street area by approximately 0.15 m and upstream of the MacDonald Street bridge by 0.3 m. As shown in Table 8-2 Option 4 is successful in reducing riverine event above floor flooding of houses in South Warrnambool in a 1% AEP riverine flood event from 25 to 17.

For Option 5 in events up to and including the current climate 1% AEP event Merri River flow is prevented from crossing Swinton Street with the inundation shown in the flood level impact maps being that from the local rainfall and the tide. As a result, all inundation in these events is confined within the Merri River Cutting channel, wetland areas and flooding from Lake Pertobe. In the current climate 1% AEP (and less frequent events) riverine event the swamp excavation works ensure that there no increases in flood levels upstream through Dennington. As shown in Table 8-2 Option 5 is successful in reducing riverine event above floor flooding of houses in South Warrnambool in a 1% AEP riverine flood event from 25 to 2.

Table 8-2 Current climate 1% AEP riverine event houses flooded above floor level

Existing Conditions	Option 1[1]	Option 4[1]	Option 5[1]
25	5 (20)	17 (8)	2 (23)

[1.] Reductions presented in parentheses.

8.3.2 Economic assessment

The economic viability of a scheme is initially assessed by calculating the monetary benefit-cost ratio (BCR). A benefit-cost ratio of 1.0 indicates that the monetary benefits are equal to the monetary costs. A ratio greater than 1.0 indicates that the benefits are greater than the costs while a ratio less than 1.0 indicates that the costs are greater than the benefits.

Assuming that construction starts in 2026 and that options have a 50 year lifespan the benefit-cost ratio for each option is summarised in Table 8-3. Due to the high capital costs of each option the benefit-cost ratios are well below 1.0.

Table 8-3 Benefit-cost ratio summary

Item	Existing Conditions	Option 1	Option 4	Option 5
AAD (Current Climate Riverine Event without Intangibles)	$321,000	$200,000	$278,000	$182,000
Benefit (per Annum)		$121,000	$43,000	$139,000
Total Benefit (Present Value)		$1,273,950	$484,420	$1,463,470
Capital Cost		$26,400,000	$2,550,000	$27,900,000
Total Cost (Present Value)		$21,550,260	$2,081,560	$22,774,710
Benefit-Cost Ratio		**0.06**	**0.23**	**0.06**

8.4 Feasibility assessment outcomes

The feasibility of the three selected structural mitigation options were assessed in the flood model. The options assessed had the aim of mitigating riverine flooding in the urban area of South Warrnambool downstream of Swinton Street. The assessment showed that restricting flow through Swinton Street either by reducing the flow area under the Swinton Street bridge (Option 1) or by installing flood gates (Option 5) provides a great benefit to reducing flood levels and reducing the number of houses with above floor flooding in comparison to increasing the flow capacity of the Merri River Cutting (Option 4). The flood gates (Option 5) perform better and could be left open during storm tide events removing any detrimental impacts. However, to manage the increases in flood level upstream significant works are required in Kelly Swamp and Saltwater Swamp to allow more flow to pass through Rutledges Cutting. These works include extensive excavation with a very high capital cost and the potential to have detrimental environmental and cultural heritage impact on the nationally significant Lower Merri River Wetlands.

Given the high capital cost estimates of all three options the benefit-cost ratios are far lower than one indicating that costs outweigh the financial benefits. However, in floodplain management, a benefit-cost ratio substantially less than 1.0 may still be considered viable because the economic analysis does not include all of the benefits gained by flood mitigation works.

If further assessment of the structural flood mitigation options whose feasibility was assessed in the Investigation or of other structural mitigation options it is recommended that:

- Any further assessment of mitigation options should include:
  - Refinement of design to incorporate design factors such as land ownership, existing utilities, etc
  - Cost estimation commensurate with the level of design
  - Environmental assessments and approvals

  - Cultural heritage assessments and approvals
  - Stakeholder consultation with parties such as landowners, the Eastern Maar Aboriginal Corporation, Parks Victoria and DEECA
- Any further assessment of mitigation options should incorporate climate change into the evaluation of options. This includes how the options perform in relation to flood risk reduction measures (flood level reductions, number of buildings with above floor flooding saved, etc) in the future, incorporation of climate change into the benefit-cost ratio and consideration of what the floodplain characteristics will be in the future allowing for considerations such as sea level rise, expected growth and urban renewal
- Further assessment of mitigation options should consider developing more specific estimates of intangible damages for inclusion in the benefit-cost ratio
- The options assessed for this Investigation are broadscale flood mitigation options with the aim of reducing flood risk across large parts of the floodplain. Consideration should also be given to localised structural flood mitigation options that target specific areas of high risk
- The options assessed for this Investigation are primarily focused on mitigating the impact of riverine flooding which is of the highest flood risk for the majority of the floodplain. Consideration could also be given to flood mitigation options that address the risk of storm tide flooding which affects the lower areas of the floodplain at present and is to create an increasing risk as sea levels rise

9 Flood warning feasibility assessment

A review of the current flood warning arrangements found that for riverine flooding at present the Bureau of Meteorology (BoM) does not offer a flood warning service for the Merri River. Nor is it believed that any other agencies or community groups have established a flood warning system for South Warrnambool or Dennington for riverine flooding. As such flood warnings for riverine flood events are limited to general warnings for the region or VICSES notifications where there is a verified risk to life or property.

For storm tide flooding the BoM does provide Coastal Hazard Warnings for abnormally high tides or storm tides which provides a good indicator of potential storm tide flooding in South Warrnambool but is limited in estimating magnitude accurately as the magnitude of wave setup for any given storm tide event greatly influences the tide flood levels.

The Warrnambool City Council Flood Emergency Plan (MFEP) currently includes a description of riverine and storm tide flooding for the Merri River, flood peak travel times to the Merri River at Woodford gauge and to Warrnambool and has a sub-plan (Appendix C2) for Merri River flooding. The current MFEP provides a good summary of the mechanisms of flooding from the Merri River based on a combination of observed past event information and previous flood studies. However, there is limited detailed information identifying the specific consequences in terms of impacted buildings and inundated roads.

Most of the recommended potential improvement actions are focused on using information, services and systems that are currently in place to communicate and incorporate the information derived from this Investigation. This includes building the community's resilience to flooding via awareness and education products primarily through making the outcomes of this Investigation publicly available and easily assessable via online web portals(s) and an update of the Local Flood Guide.

Documenting expected consequences of flooding and appropriate response actions in the MFEP will greatly reduce the burden on emergency response agencies in the event of expected flooding in Dennington and South Warrnambool and allow for targeted response actions to be undertaken. The rainfall based indicative flood tool and stream gauge relationships will also greatly aid predicting the magnitude and consequences of an event.

One recommendation that will greatly improve the reliability of flood warning information provided is to install a sub-daily rainfall gauge in the mid or upper catchment. Currently the only gauge located in the catchment is the Warrnambool AWS (90186) in the lower catchment with the next closest gauges been located at Mortlake, Hamilton, Gerrigerrup and Willatook.

There is a good stream gauge network already in place, in particular the Merri River at Woodford and Merri River at Dennington gauges, to allow for the establishment of a formal flood warning system. However, there are considerable cost and time requirements in making and providing a forecast system including setting up and calibrating a new hydrologic model, establishing stream gauge management arrangements (Merri River at Dennington), verifying rating curves which could include survey and or hydraulic modelling, establishing flood class levels, training and coordination with emergency services. As such establishment of any new system by the BoM would be prioritised across catchments country wide. The flood risk outputs of this Investigation provide the basis for comparing the flood risk in Dennington and South Warrnambool to other catchments. It should be noted that other areas not within the scope of this Investigation including North Warrnambool, Woodford and Bushfield would also benefit from this system.

9.1 Flood warning feasibility assessment recommendations

The feasibility of improving flood warning arrangements for Dennington and South Warrnambool have been assessed with the recommended potential improvement actions presented in Table 9-1.

Many of the actions are focused on using information, services and systems that are currently in place to incorporate the information derived from this Investigation. These improvements are achievable and sustainable with relatively little effort and cost, whereas others would require more significant investment. As such each potential improvement action has been assigned a priority based on the following criteria:

High	Actions achievable in the near-term (0 - 1.5 years) using information, services and systems that are currently in place and require minimum investment and will provide the greatest benefit.
Medium	Actions achievable in the mid-term (1.5 – 3 years) requiring a greater level of investment to implement.
Low	Actions achievable in the long-term (+3 years) requiring a greater level of investment to implement but do not provide a significant benefit in comparison to high or medium priority actions.

Table 9-1 Recommended potential improvements

TFWS Element	No.	Potential Improvement Actions for South Warrnambool and Dennington	Lead Agency(s)	Partner Agency(s)
Building community resilience to disasters	1	• Continue flood awareness activities that emphasise personal safety and damage reduction. This includes: ○ Provide links to the Final Summary Report (at a minimum), Local Flood Guide and Municipal Flood Emergency Management Plan on Council's and GHCMA's website ○ Upload the flood mapping onto the regional Flood Information Portal hosted by the GHCMA	Council	GHCMA
	2	• Continue to investigate the feasibility of a new web portal (such as the WISER platform) that can be linked to stream gauge levels, present more detailed flood mapping and prepare property specific flood information.	Council	GHCMA
	3	• Update the Warrnambool Local Flood Guide (LFG).	VICSES	Council
	4	• Identify appropriate locations in South Warrnambool and Dennington for the installation of a flood pole(s) to aid in increasing and maintaining the community's and visitor's awareness of flooding and to help visualise the magnitude of past flood events, flood class levels and provide context to the design flood levels developed by this study. The flood pole would also make a suitable location to display flood intelligence products such as posters with links to the LFG.	Council	Relevant landowner / manager of identified location
Monitoring and prediction	5	• Incorporate the rainfall based indicative flood tool and gauge level relationships into the Municipal Flood Emergency Management Plan.	VICSES	Council, GHCMA
	6	• Council, GHCMA and VICSES agree who will maintain the gauge level relationships (post event review and update and/or incorporation of updated flood mapping information) and undertake the predictive assessments during an event.	VICSES	Council, GHCMA
	7	• Investigate installing a sub-daily gauge located in the mid to upper catchment such as at Woolsthorpe, Minjah or Minhamite.	Council	DEECA, BoM, GHCMA

	8	• Through the South West Regional Water Monitoring Partnership investigate making the Merri River at Dennington gauge operated by the GHCMA data publicly available (via the Water Management Information System (WMIS) for use by other emergency response agencies for flood forecasting and intelligence. Ideally the live gauge levels would also be made available via BoM's website as a river data location.	Council	DEECA, BoM, GHCMA
	9	• Request BoM to establish a flood warning system for the Merri River. Prior to the development of a flood warning system other actions need to be taken including resolving management of the Merri River at Dennington gauge (preferable warning location for South Warrnambool and Dennington) and establishment of flood class levels.	Council	BoM, DEECA, GHCMA
	10	• In lieu of a BoM flood warning service, an information location can be established for the Merri River at Woodford gauge.	Council	BoM, DEECA, GHCMA
Interpretation	11	• Establish flood class levels for the Merri River at Woodford (riverine events), Merri River at Dennington (riverine events) and Merri River at Warrnambool (riverine and storm tide events) gauge.	GHCMA	VICSES, Council
Message construction	12	• If specific flood access/egress routes are established messaging should include instructions about the location and use of these routes when constructing flood warnings and bulletins.	VICSES	BoM
Communication	13	• In lieu of a BoM flood warning service, an information location can be established for the Merri River at Woodford gauge.	Council	BoM, VICSES
Community Response	14	• Confirm and incorporate emergency response actions into the Municipal Flood Emergency Management Plan.	VICSES	GHCMA, Council
Continuous review and improvement	15	• Review and update all aspects of the Total Flood Warning System including: ○ Ensuring locations and links to flood information are up to date and accessible to the community ○ Additional flood behaviour information and post response review findings following flood events are incorporated into emergency response documentation and actions ○ Incorporate updated flood mapping and intelligence information if it becomes available	Council	VICSES, GHCMA

		• It is recommended that this review be undertaken periodically or after an event by Council's Emergency Management Unit with input from VICSES, GHCMA and other agencies engaged in emergency response.		

10 Key outcomes

This report provides a summary of the South Warrnambool and Dennington Flood Investigation. For a detailed description of the Investigation inputs, approach and outcomes the accompanying detailed technical reports should be referred to.

The key outcomes of the Investigation are:

- Thorough documentation of the history of flooding across the Investigation Area based on the historical information discovered during the study
- Hydrologic (RORB) and hydraulic (TUFLOW) models that are well calibrated to the available historic flood event data providing confidence that the flood risk mapping and flood emergency response planning (flood intelligence) outputs reflect the likely real world extent, depth and velocity of the modelled flood risk scenarios. The calibrated models have enabled:
  - Provision of knowledge and data around the expected effects of climate change (primarily increase in rainfall intensity and rising mean sea level) on flood risk into the foreseeable future
  - Delineation of appropriate extents for land use and development planning controls for incorporation into the Warrnambool Planning Scheme and mitigation of flood risk via the planning system
  - Development of a range of reliable products to support improvement of flood emergency response procedures and actions, including updating of the Municipal Flood Emergency Plan (MFEP)
- Average annual damage (AAD), which represent the average flood damage in present day monetary terms per year that would occur over a long period of time, estimates of $626,000 for riverine events and $101,000 for storm tide events bringing the total AAD estimate up to $727,000
- The feasibility of three structural mitigation options were assessed in the flood model. The options assessed were broadscale options with the aim of mitigating riverine flooding in the urban area of South Warrnambool downstream of Swinton Street. While these options were successful in mitigating the risk of riverine flooding, they involve extensive excavation with a high capital cost (and in turn a low benefit-cost ratio) and the potential to have detrimental environmental and cultural heritage impact on the nationally significant Lower Merri River Wetlands.
- Demonstrated that the development of a flood warning service operated by the Bureau of Meteorology for the communities of South Warrnambool and Dennington is feasible with much of the infrastructure required already in place. However, there is still significant investment required and the Bureau of Meteorology will prioritise the development of a system across catchments country wide. This Investigation has provided tools and identified measures that will improve the flood warning arrangements in lieu of a formalised service.

11 References

Ball J, Babister M, Nathan R, Weeks W, Weinmann E, Retallick M, Testoni I (Ed) (2019), *Australian Rainfall and Runoff: A Guide to Flood Estimation*, Version 4.1, Commonwealth of Australia (Geoscience Australia).

(BoM) Bureau of Meteorology (2003), *Guidebook to the Estimation of Probable Maximum Precipitation: Generalised Southeast Australia Method*, Bureau of Meteorology.

Cardno (2010), *Design of North Warrnambool Floodplain Management Plan – Implementation Works*, Cardno.

Clark I (1990), *Aboriginal Languages and Clans: An Historical Atlas of Western and Central Victoria 1800–1900*, Monash University.

Davies G, Griffin J (2018), *The 2018 Australian probabilistic tsunami hazard assessment: hazard from earthquake generated tsunamis*, Geoscience Australia.

(DCCEEW) Department of Climate Change, Energy, the Environment and Water (2023), *Draft updates to the Climate Change Considerations chapter in Australian Rainfall and Runoff guidelines*, Department of Climate Change, Energy, the Environment and Water.

Deloitte (2016), *The economic cost of the social impact of natural disasters*, Deloitte.

(DELWP) Department of Environment, Land, Water and Planning (2022), *Marine and Coastal Strategy*, Department of Environment, Land, Water and Planning.

(DPE) NSW Department of Planning and Environment (2023), *Flood risk management measures: Flood risk management guideline MM01*, Department of Planning and Environment.

(DNRE) Department of Natural Resources and Environment (2000), *Rapid Appraisal Method (RAM) for Floodplain Management*, Department of Natural Resources and Environment.

Gill E (1985), *Coastal Processes and the Sanding of Warrnambool Harbour*, Warrnambool Institute Press.

(IPCC) International Panel on Climate Change (2019), *Sea Level Rise and Implications for Low-Lying Islands, Coasts and Communities. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate*, Cambridge University Press.

Schwalm C, Glendon S, Duffy P (2020), 'RCP8.5 tracks cumulative CO2 emissions', *Proceedings of the National Academy of Sciences*, Vol. 117, No. 33.

(SRWSC) State Rivers and Water Supply Commission of Victoria (1990), Victorian Surface Water Information to 1987, State Rivers and Water Supply Commission of Victoria.

Streamology (2022a) *Tide Gauge Trigger Levels for Sea Level Rise Adaptation Pathways.*, Streamology.

Streamology (2022b). *Victorian Guideline for Modelling the Interaction of Catchment & Coastal Flooding. Report for Glenelg Hopkins Catchment Management Authority*, Streamology.

Venant Solutions (2023), *South Warrnambool Flood Investigation Data Review Report*, Venant Solutions, Doc. Ref: R.M00407.001.02.DataReport.

Venant Solutions (2024), *South Warrnambool and Dennington Flood Investigation Flood Modelling Report*, Venant Solutions, Doc. Ref: R.M00407.002.02_FloodModelling.

Venant Solutions (2025a), *South Warrnambool and Dennington Flood Investigation Flood Damages and Mitigation Feasibility Assessment Report*, Venant Solutions, Doc. Ref: R.M00407.003.01_Mitigation.

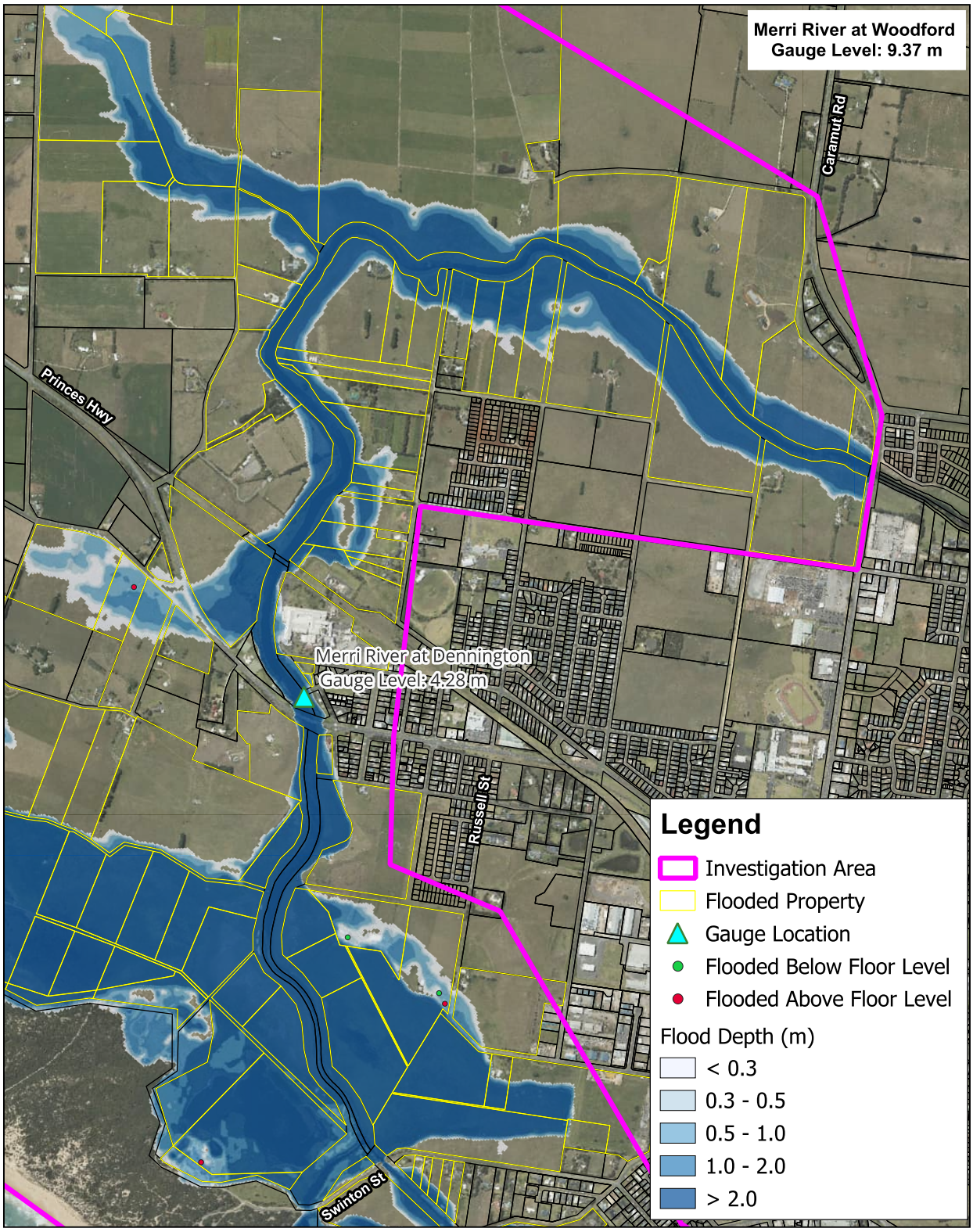
Venant Solutions (2025b), *South Warrnambool and Dennington Flood Investigation Flood Warning Feasibility Assessment Report*, Venant Solutions, Doc. Ref: R.M00407.004.00_Warning.

Water Technology (2007a), *South Warrnambool Flood Study – Study Report*, Water Technology.

Water Technology (2007b), *Dennington Flood Study – Study Report*, Water Technology.

Werritty A, Houston D, Ball T, Tavendale A, Black A (2007), *Exploring the Social Impacts of Flood Risk and Flooding in Scotland*, Scottish Executive Social Research, Scotland.

Appendix A Flood depth mapping



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (North)

Figure:	Rev:			By: TL	
A-1	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

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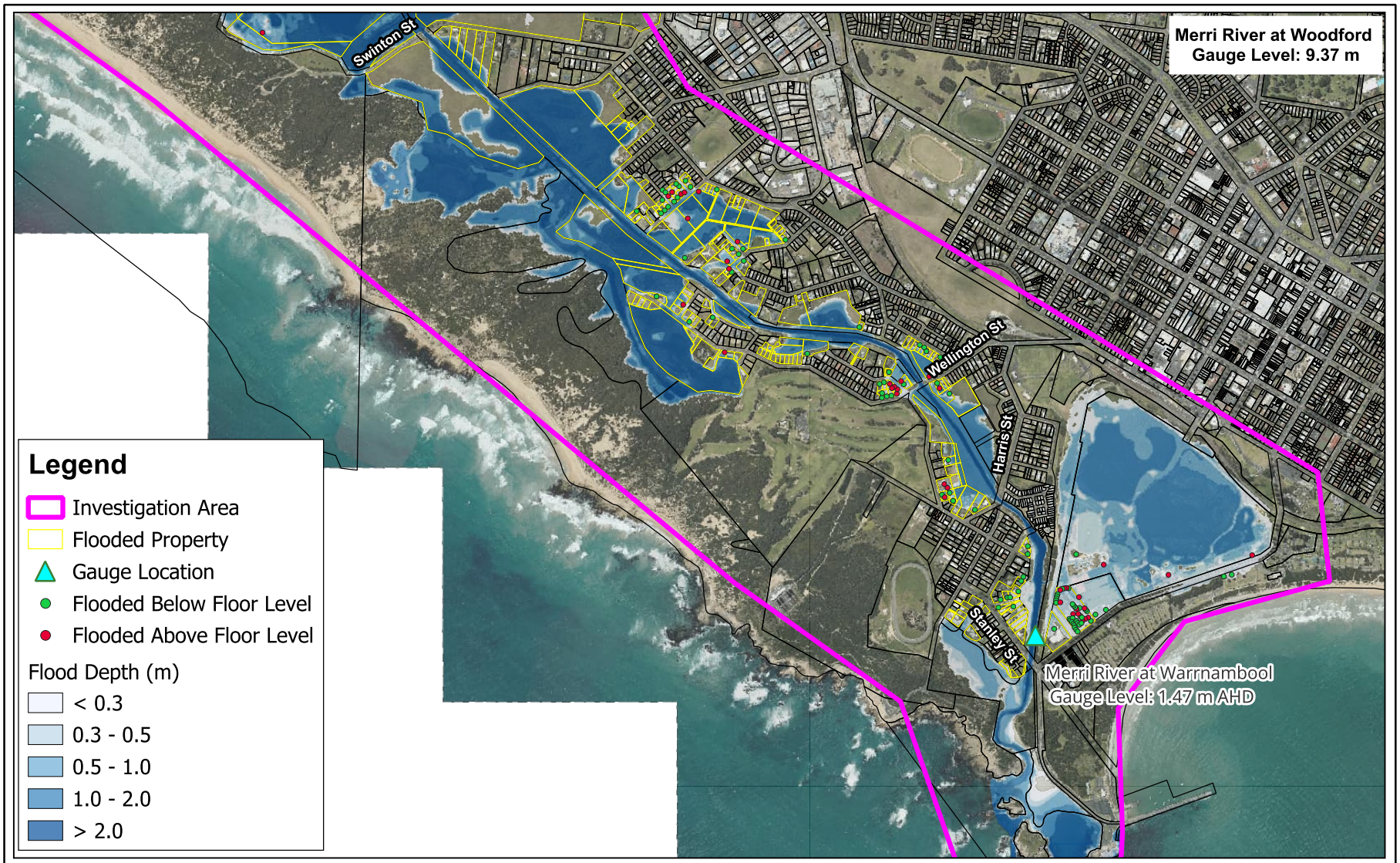

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (East)

Figure: A-2

Rev: A

0 350 700 m

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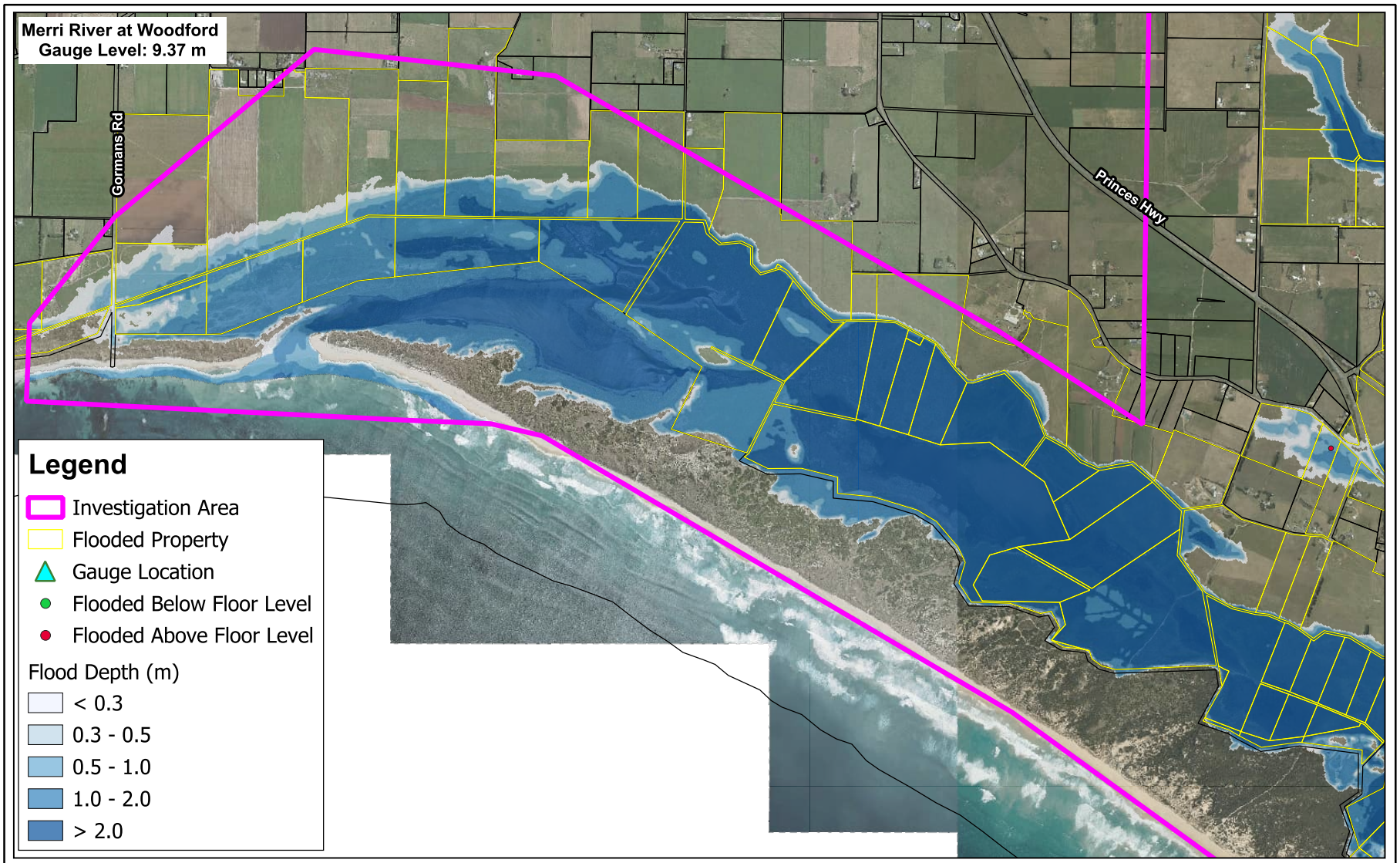
May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Depth (West)

Figure: A-3

Rev: A

0 400 800 m

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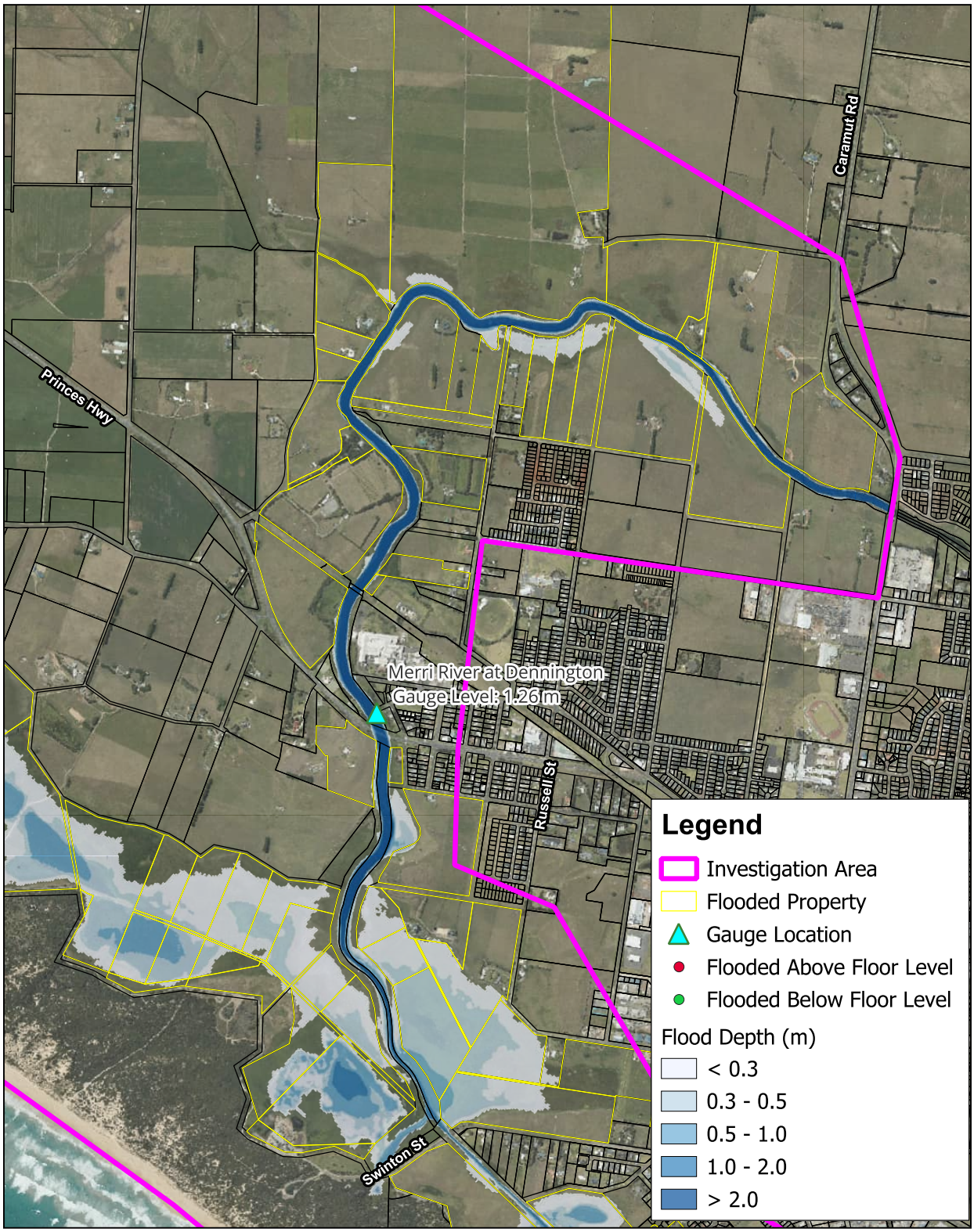

Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Storm Tide Peak Flood Depth (North)

Figure:	Rev:			By: TL	
A-4	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

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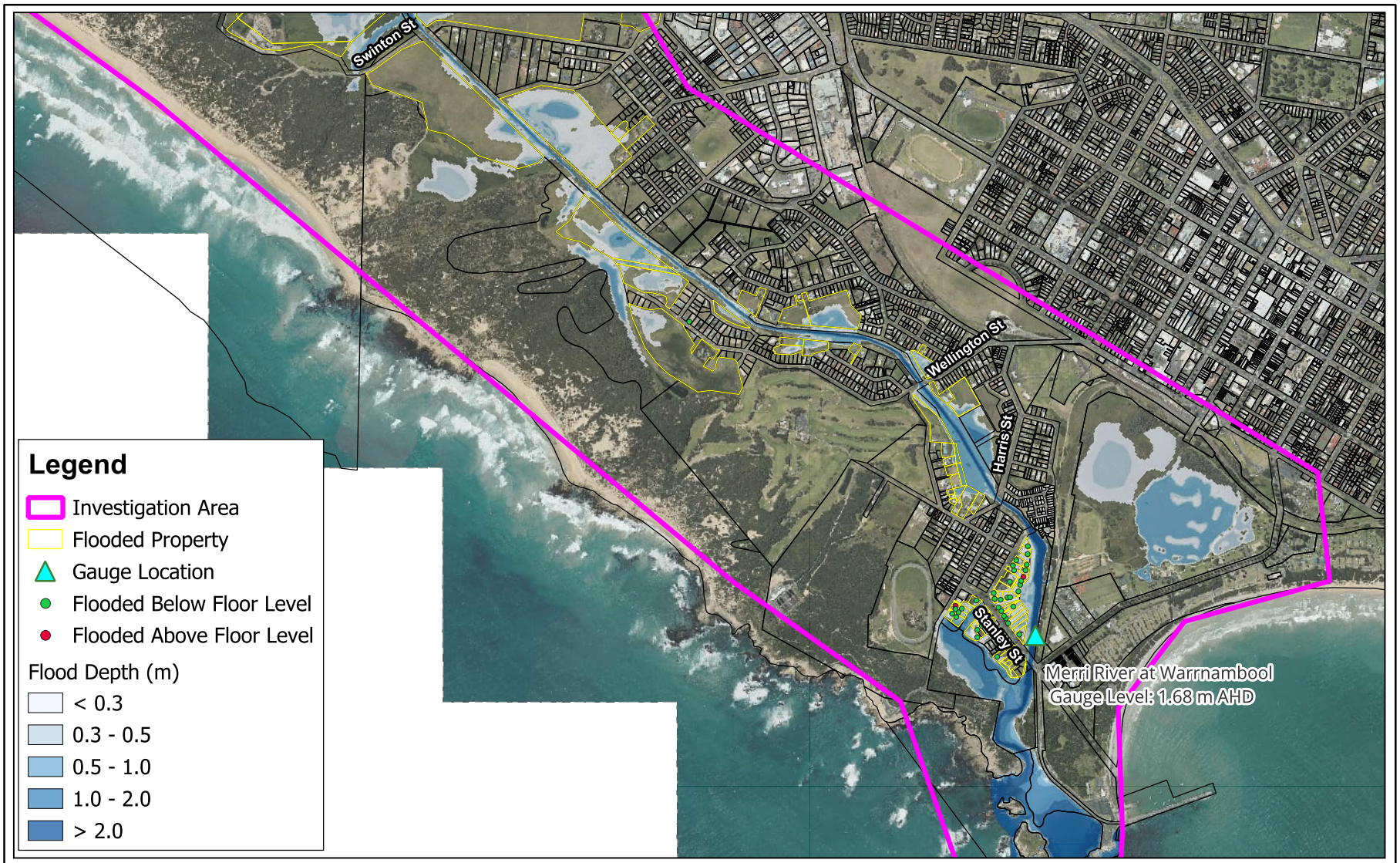

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Depth (East)

Figure: A-5

Rev: A

0 350 700 m

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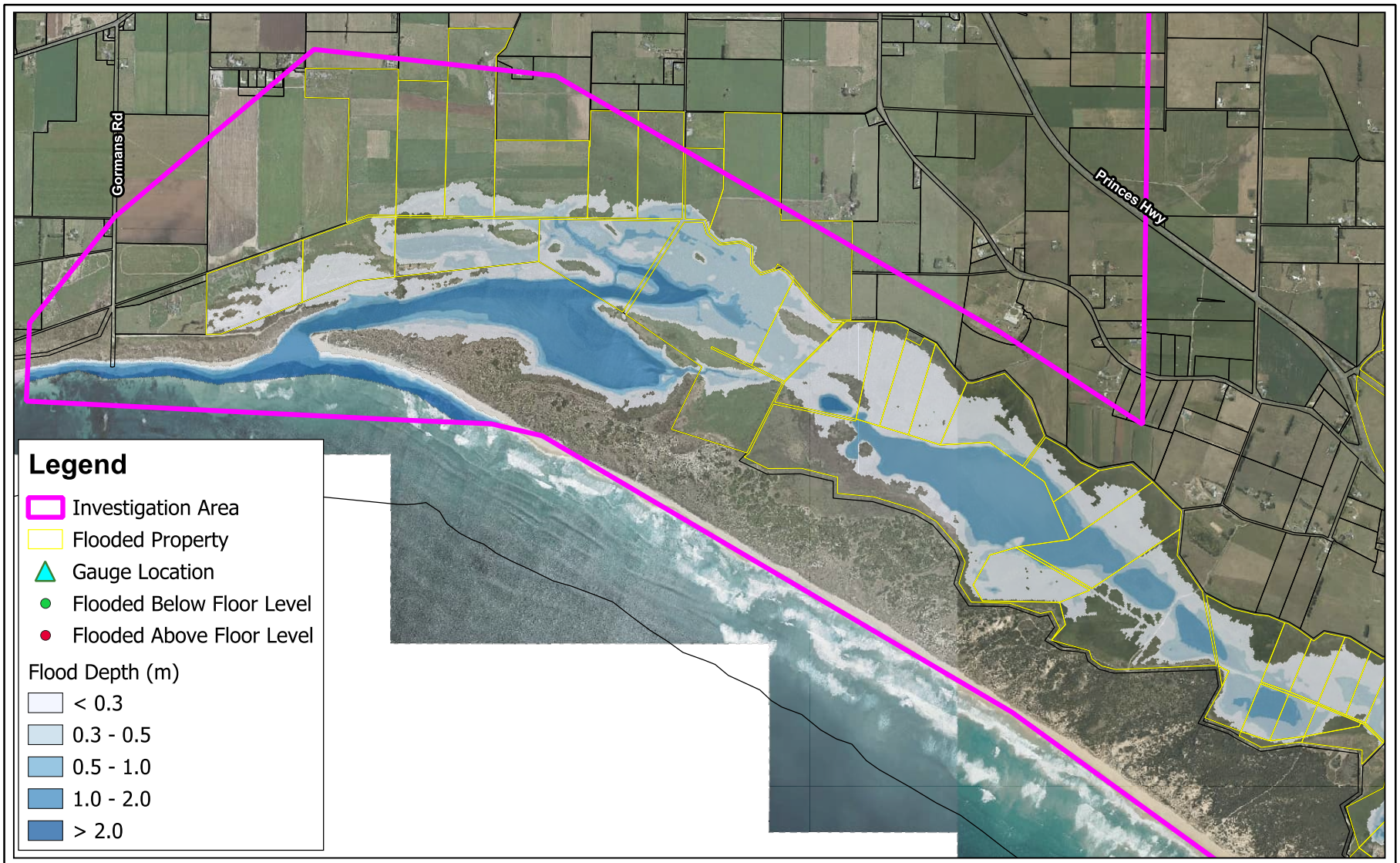
May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Depth (West)

Figure: A-6

Rev: A

0 400 800 m

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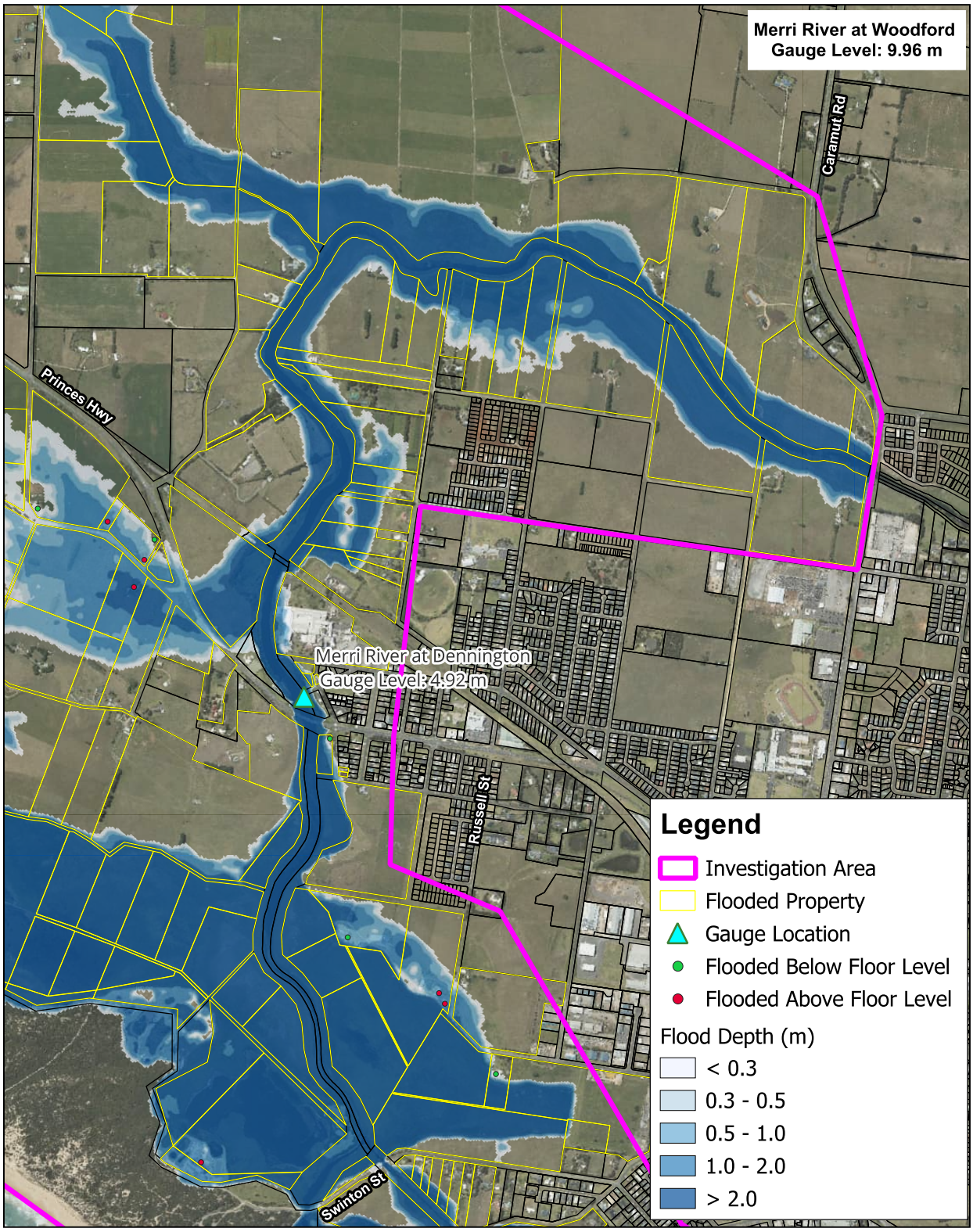

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Depth (North)

Figure:	Rev:			By: TL	
A-7	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

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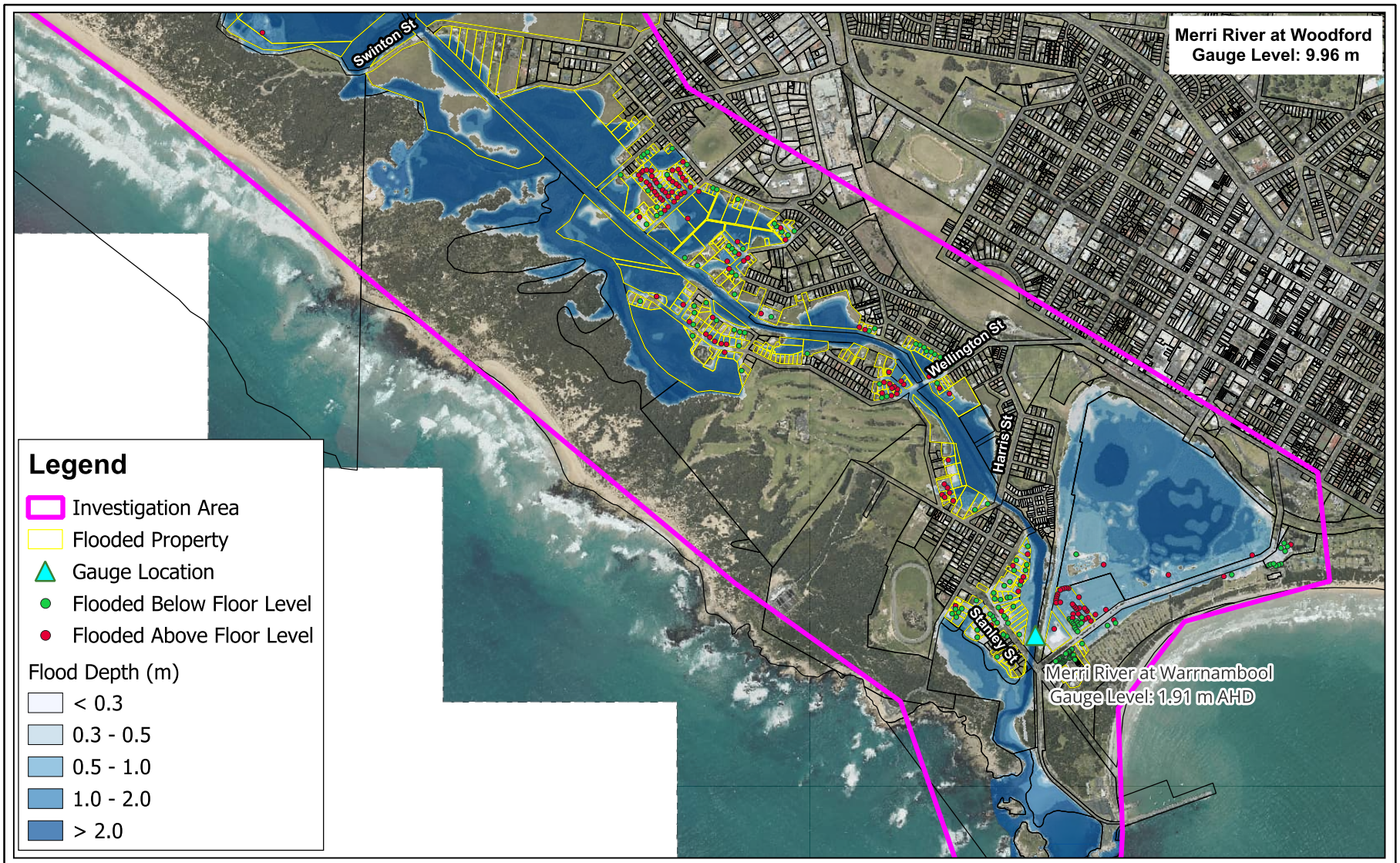

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Depth (East)

Figure: A-8

Rev: A

0 350 700 m

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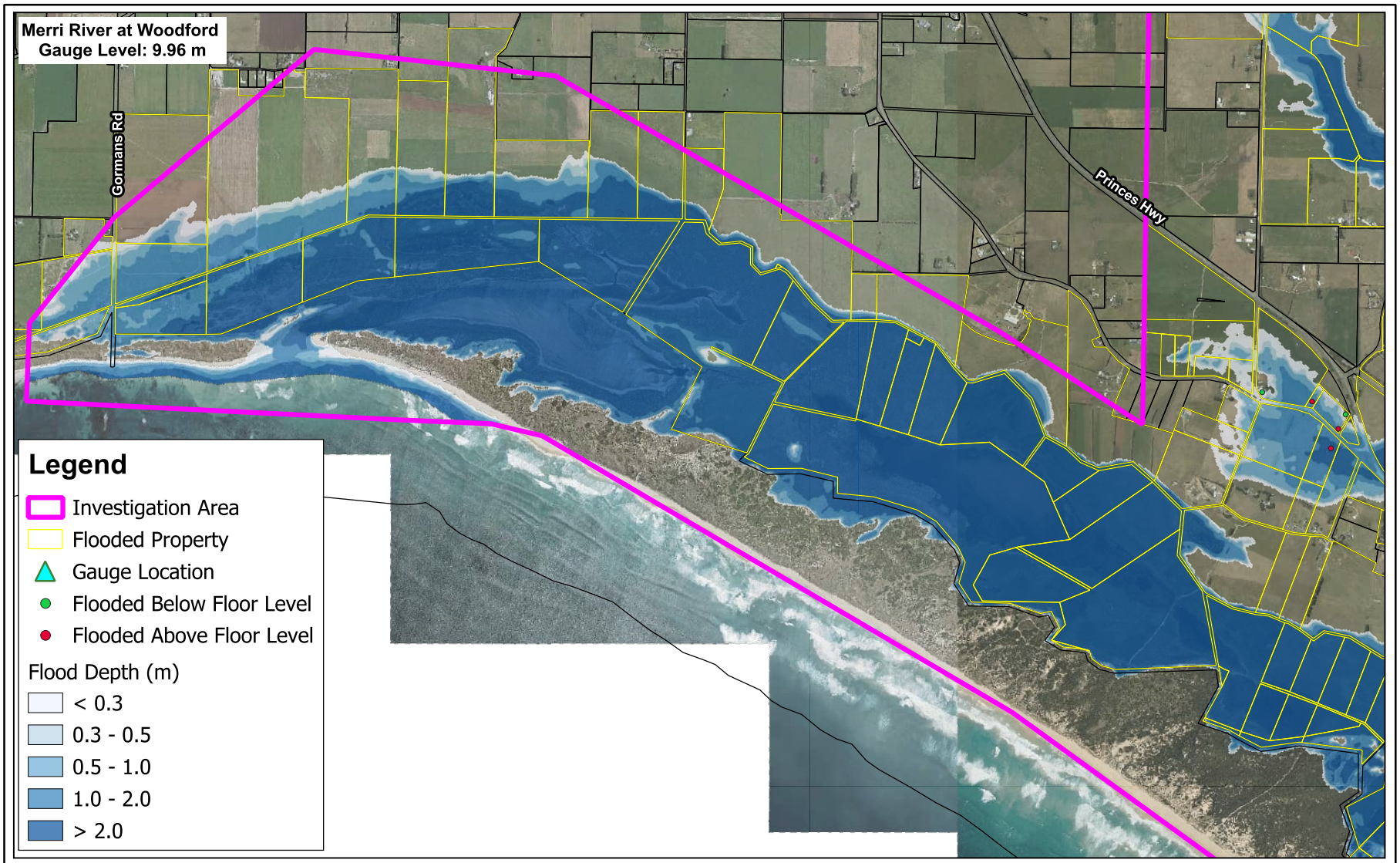

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Depth (West)

Figure: A-9

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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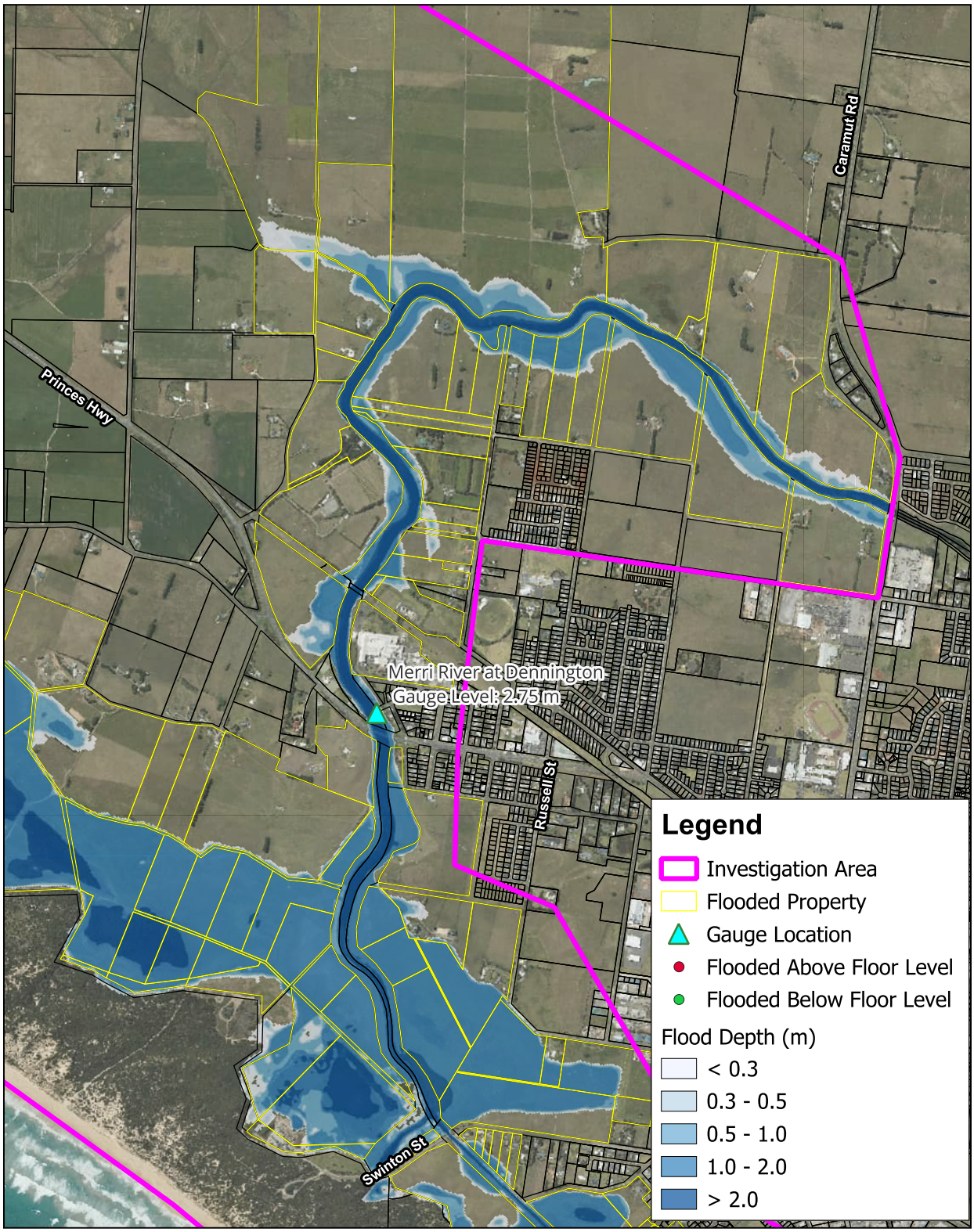
May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Storm Tide Peak Flood Depth (North)

Figure:	Rev:			By: TL	
A-10	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

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Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Storm Tide Peak Flood Depth (East)

Figure: A-11

Rev: A

0 350 700 m

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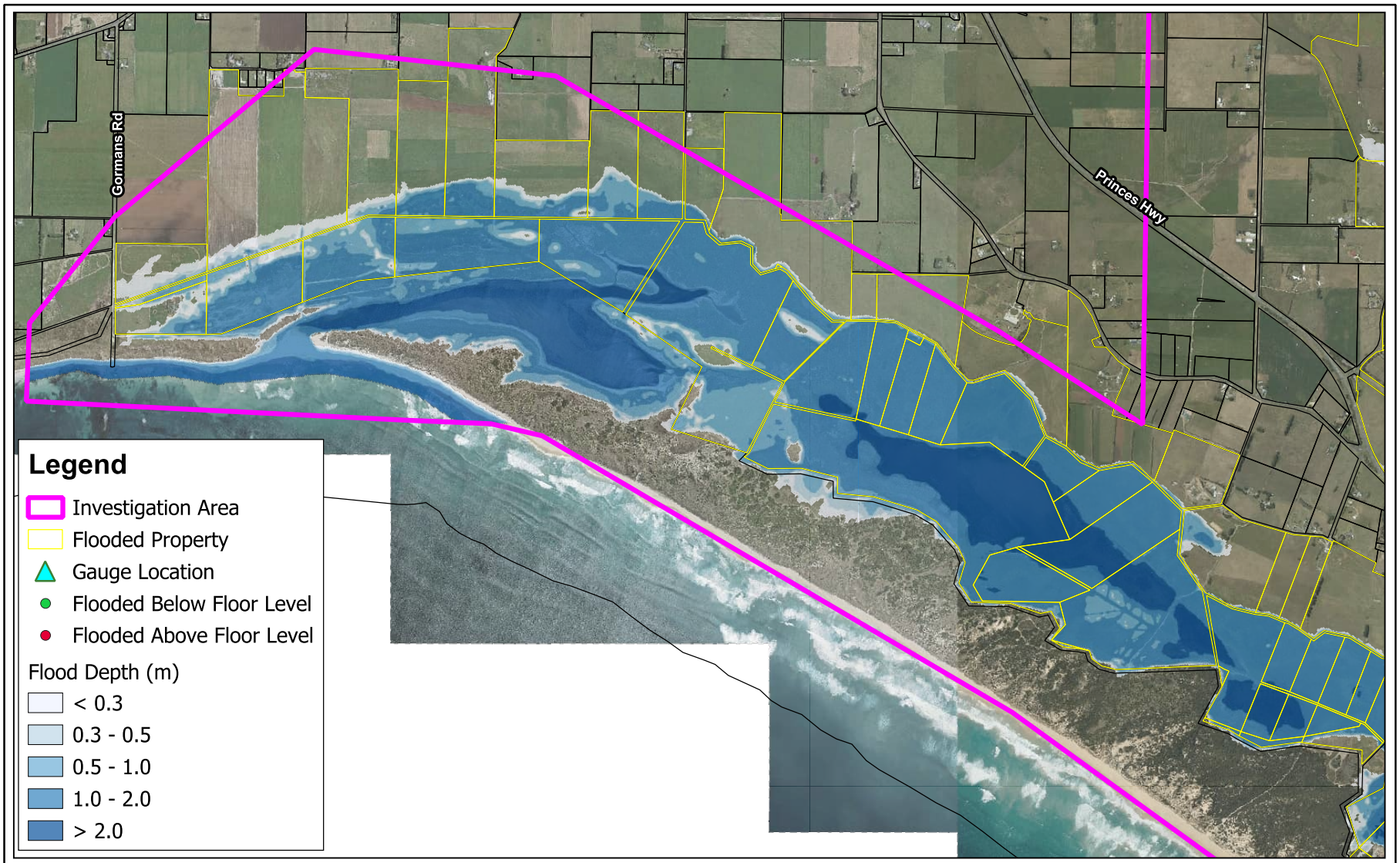
By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Storm Tide Peak Flood Depth (West)

Figure: A-12

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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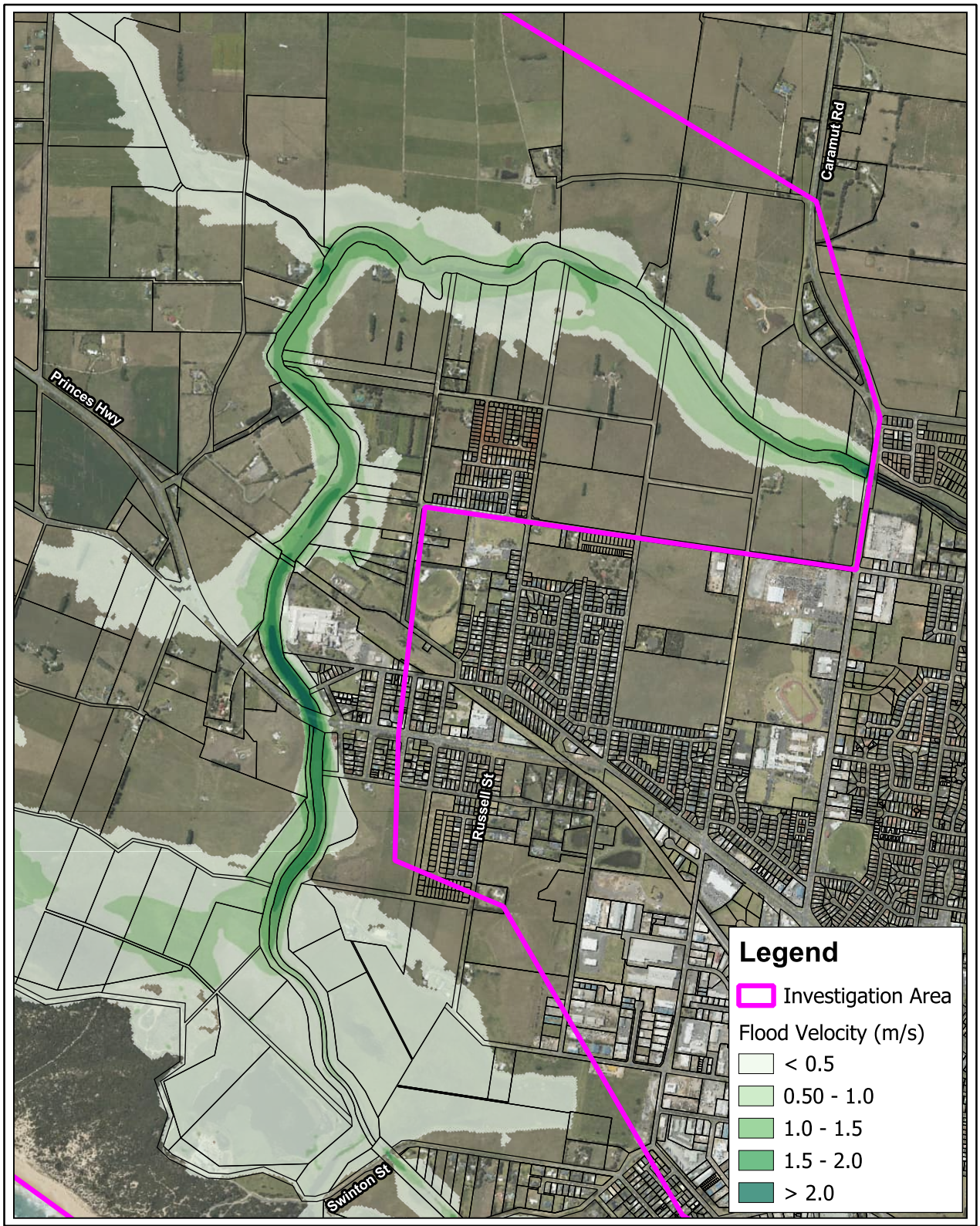
By: TL

May 2025

Appendix B Flood velocity mapping



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Riverine Peak Flood Velocity (North)

Figure:	Rev:			By: TL	
B-1	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-1_North_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Velocity (East)

Figure: B-2

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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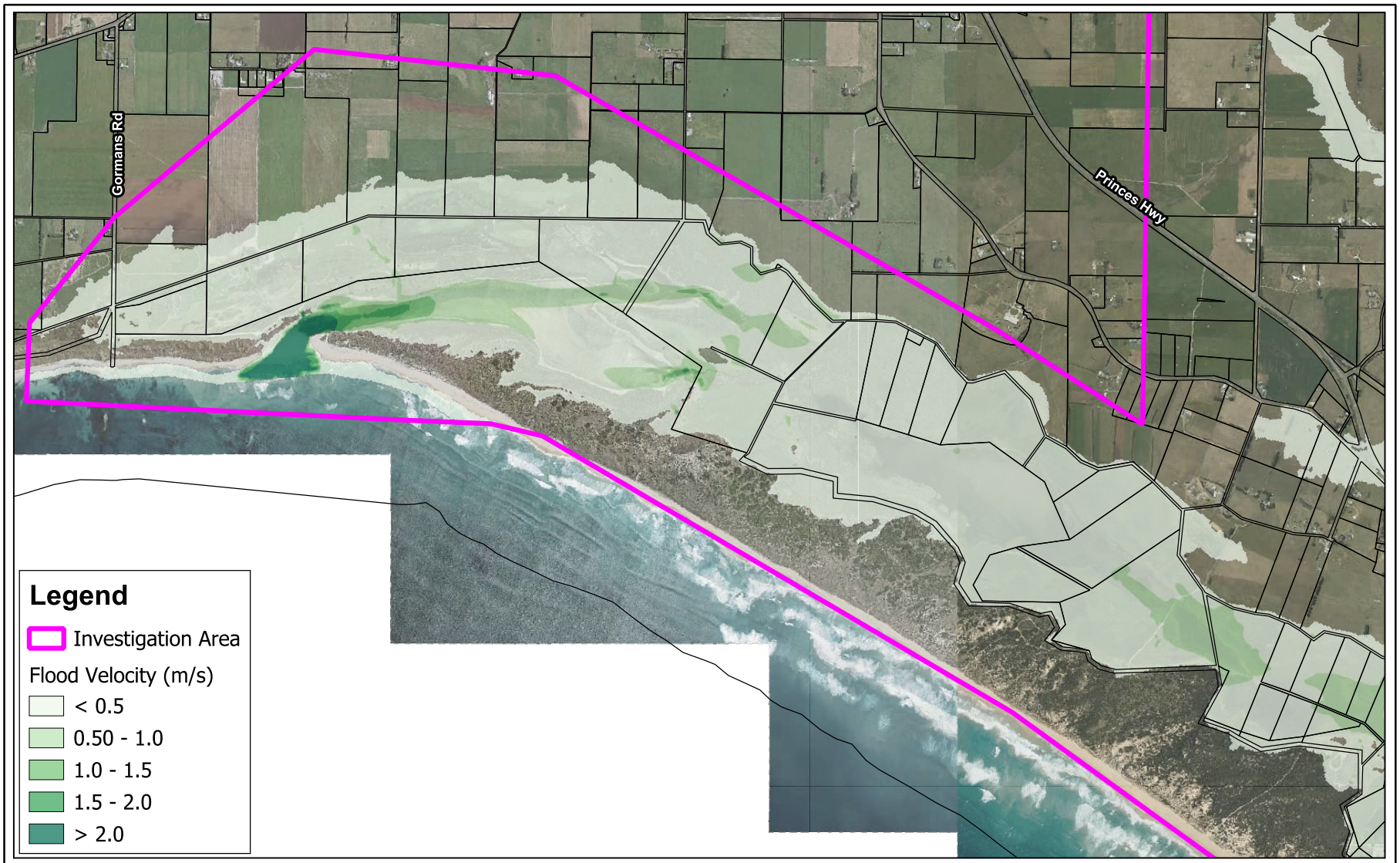
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-2_East_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Velocity (West)

Figure: B-3

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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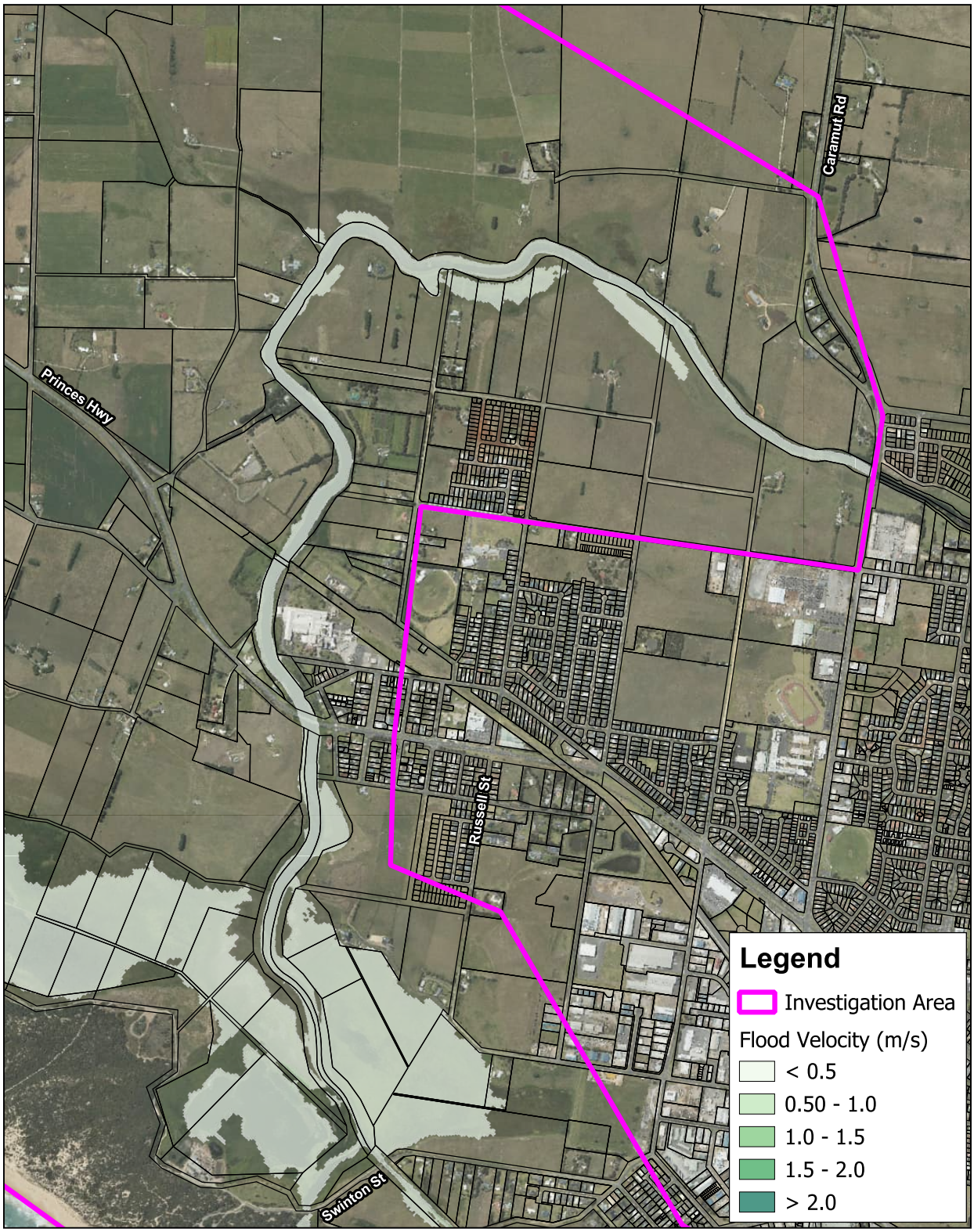
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-3_West_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

By: TL

May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Storm Tide Peak Flood Velocity (North)

Figure:	Rev:			By: TL
B-4	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-4_North_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_V_Max.qgz

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Velocity (East)

Figure: B-5

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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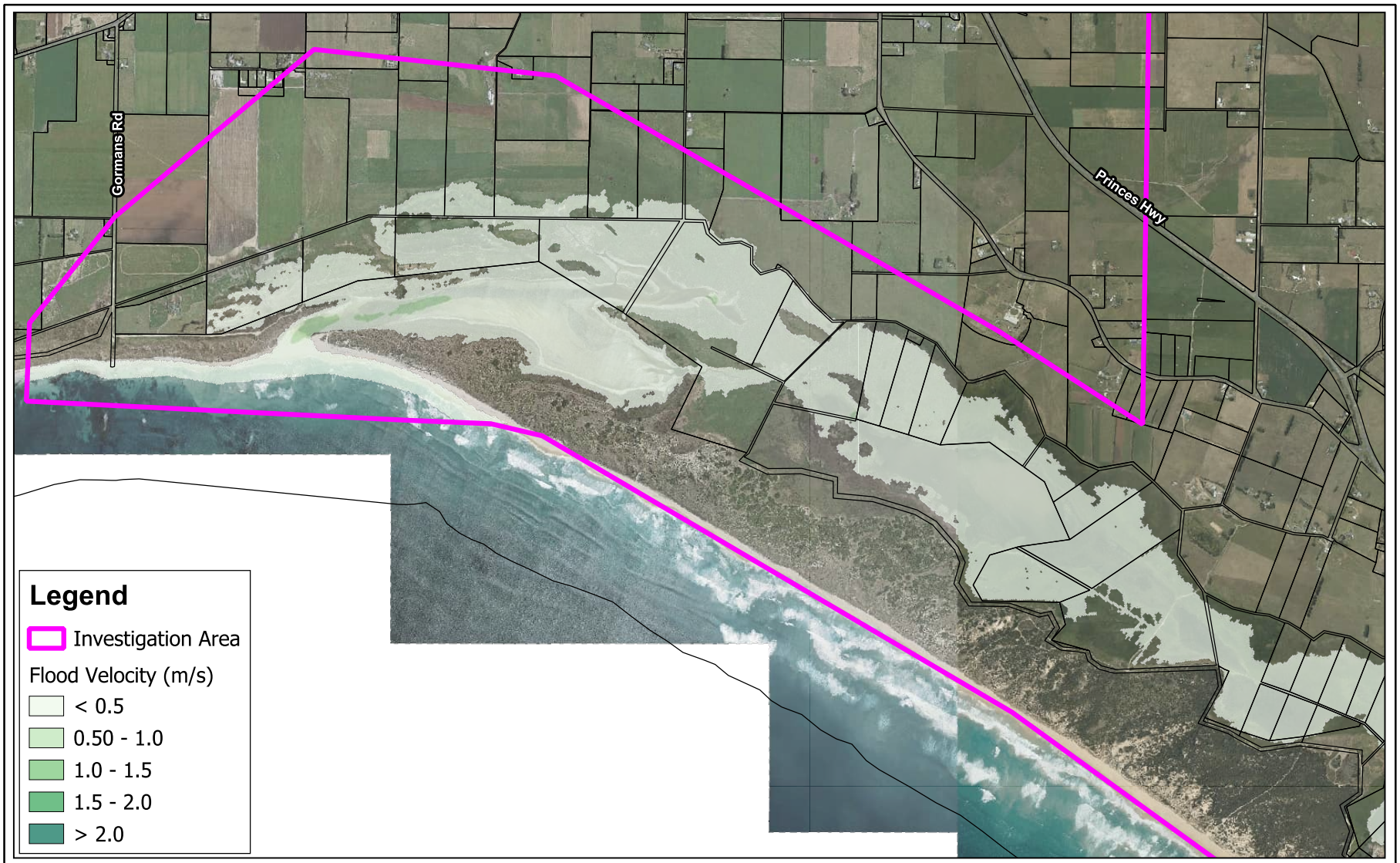
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-5_East_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_V_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Velocity (West)

Figure: B-6

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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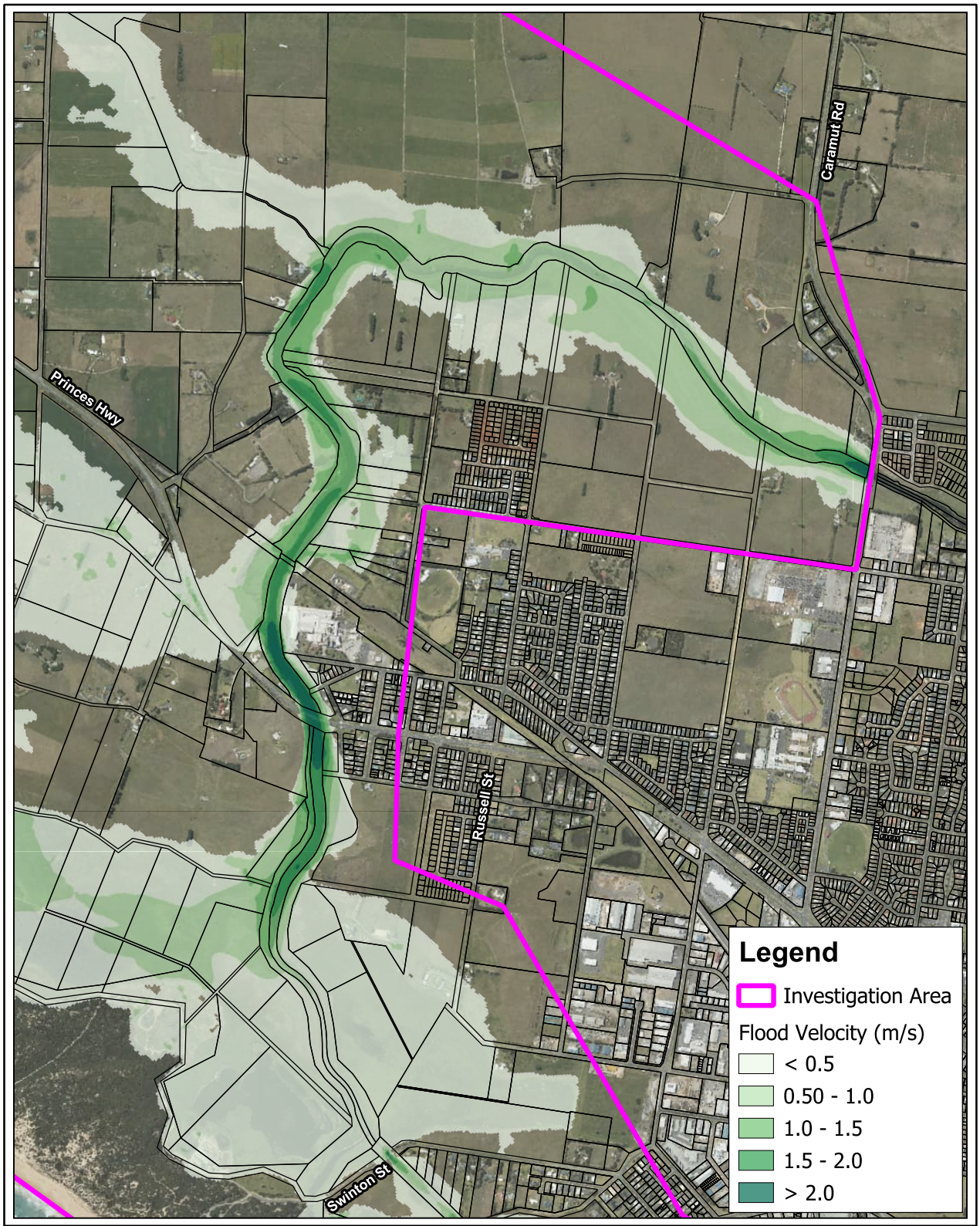
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-6_West_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_V_Max.qgz

By: TL

May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Velocity (North)

Figure:	Rev:			By: TL	
B-7	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-7_North_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Velocity (East)

Figure: B-8

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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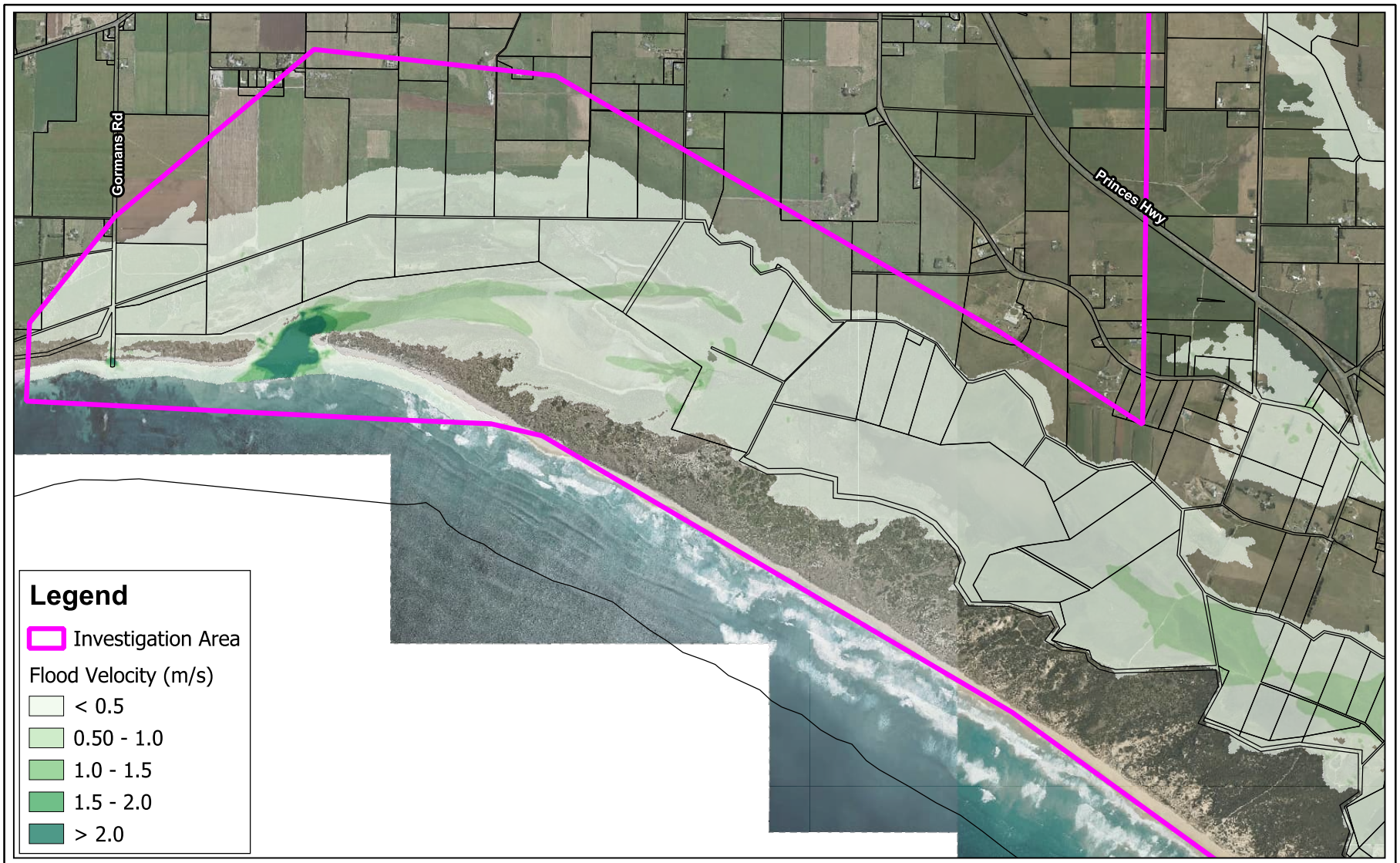
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-8_East_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Velocity (West)

Figure: B-9

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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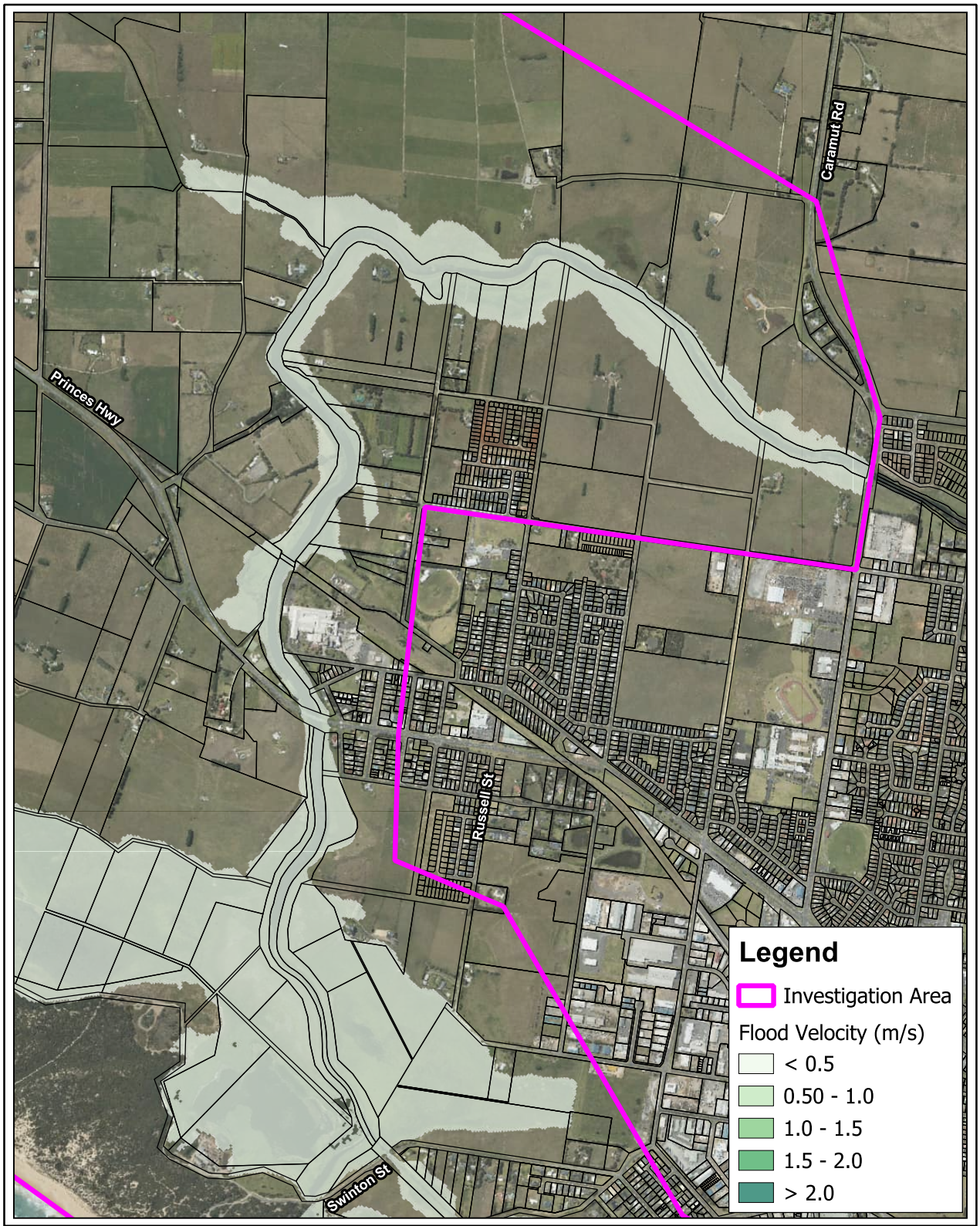
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-9_West_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_V_Max.qgz

By: TL

May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Storm Tide Peak Flood Velocity (North)

Figure:	Rev:			By: TL	
B-10	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-10_North_SWFS_CC2_TIDE_RFno_0hr_tp0_TH1pc_047_V_Max.qgz

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Storm Tide Peak Flood Velocity (East)

Figure: B-11

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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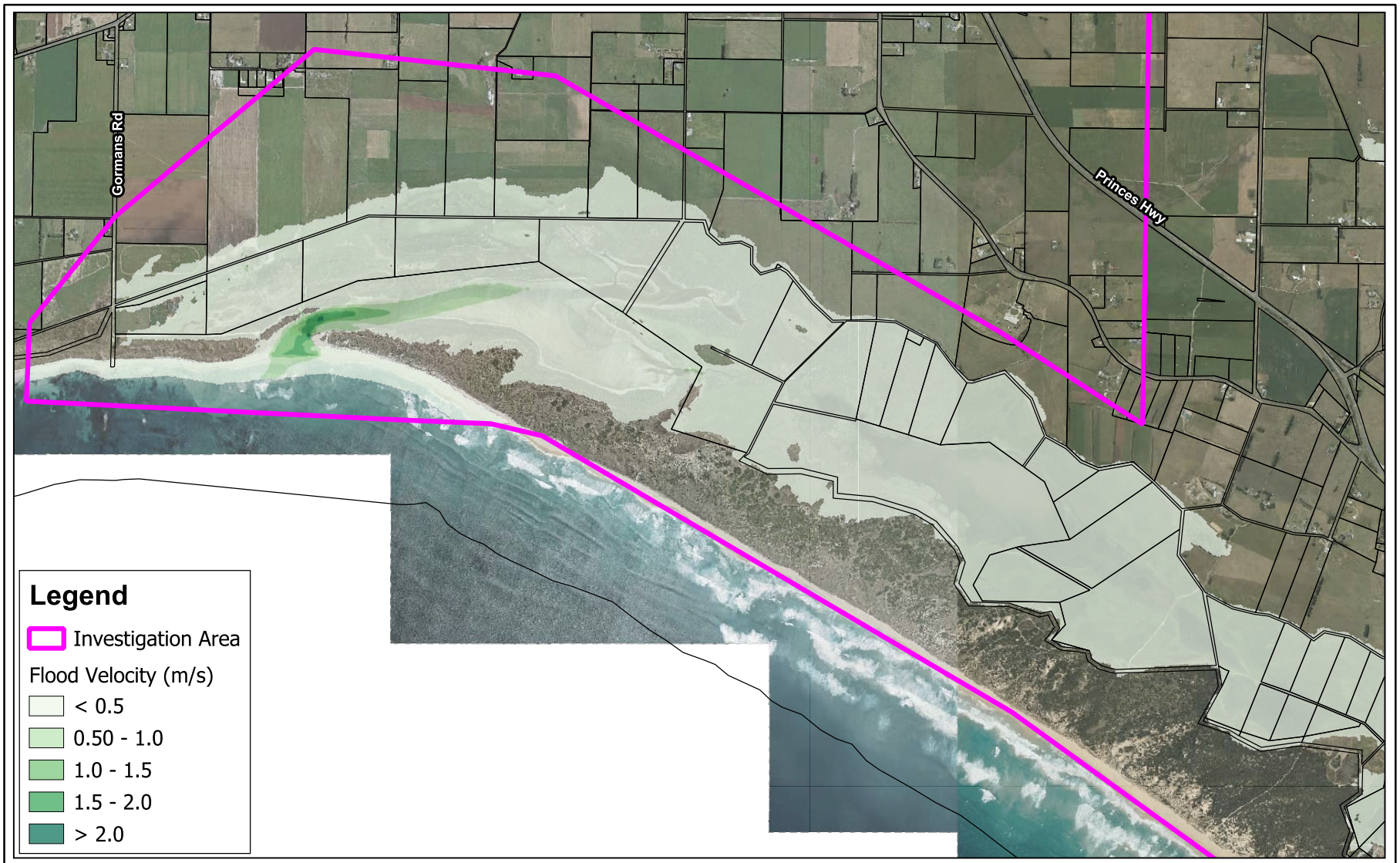
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigB-11_East_SWFS_CC2_TIDE_RFno_0hr_tp0_TH1pc_047_V_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Storm Tide Peak Flood Velocity (West)

Figure: B-12

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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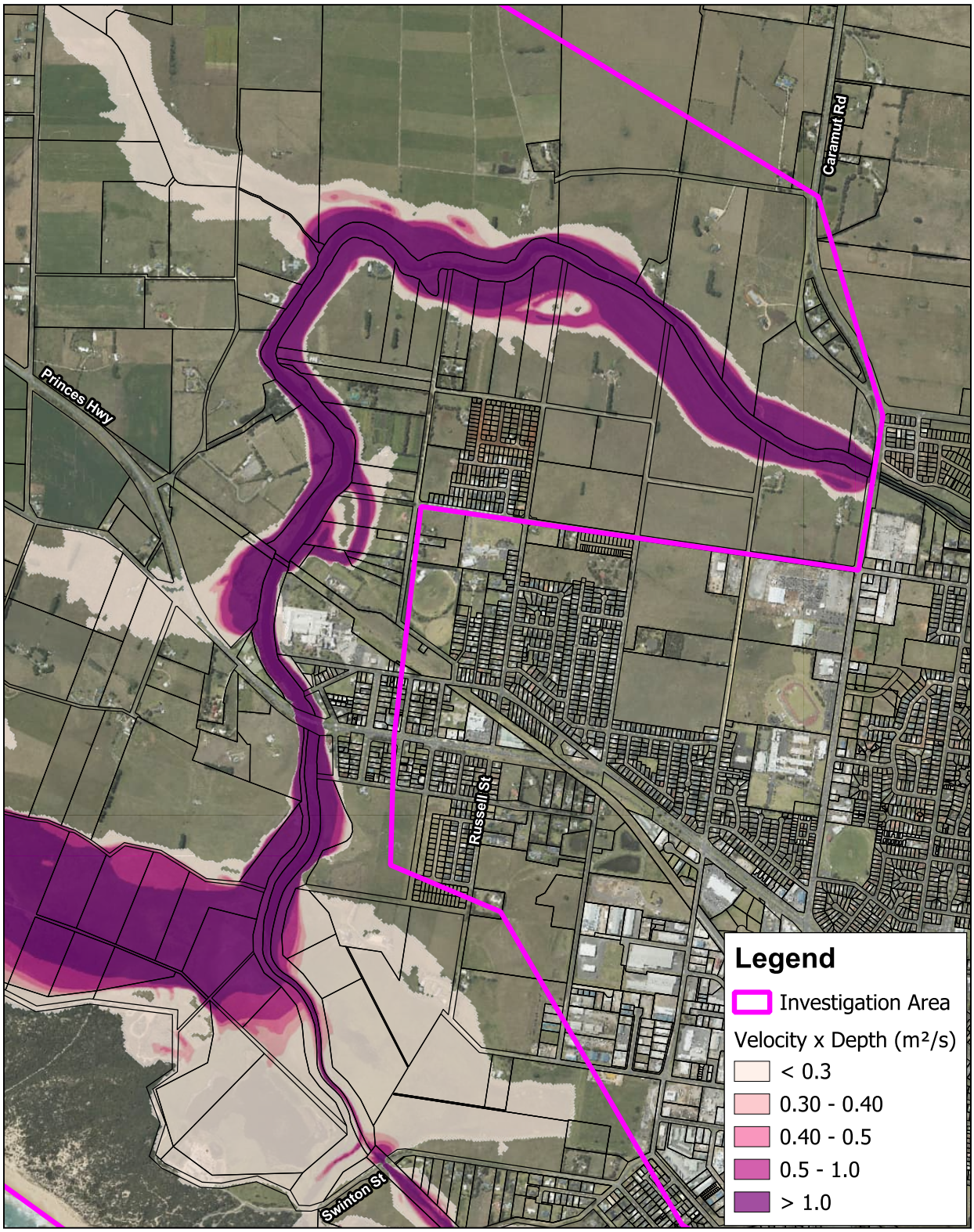
By: TL

May 2025

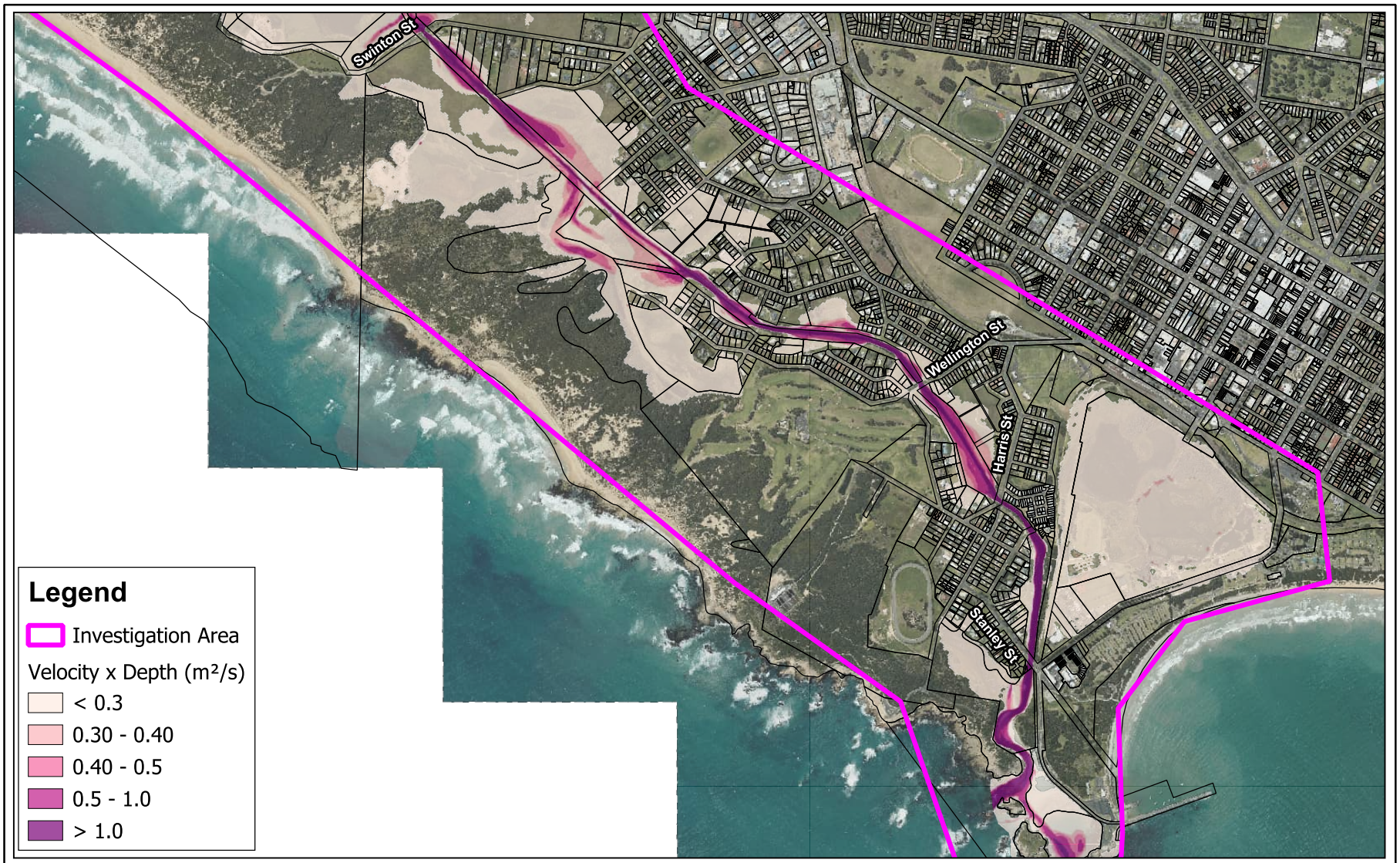
Appendix C Flood velocity x depth mapping



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Riverine Peak Flood Velocity x Depth (North)

Figure:	Rev:			By: TL	
C-1	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-1_North_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Velocity x Depth (East)

Figure: C-2

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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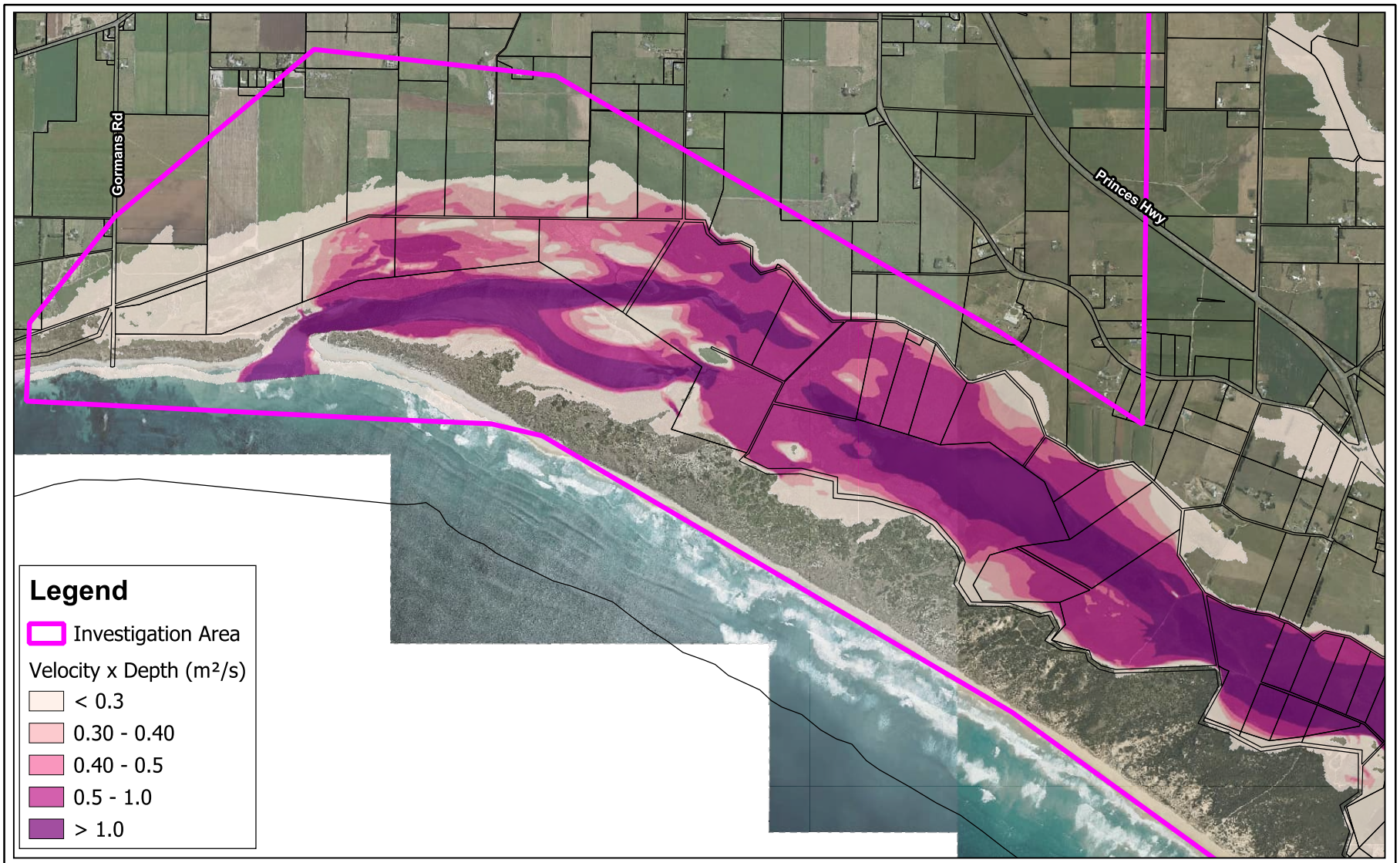
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-2_East_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Riverine Peak Flood Velocity x Depth (West)

Figure: C-3

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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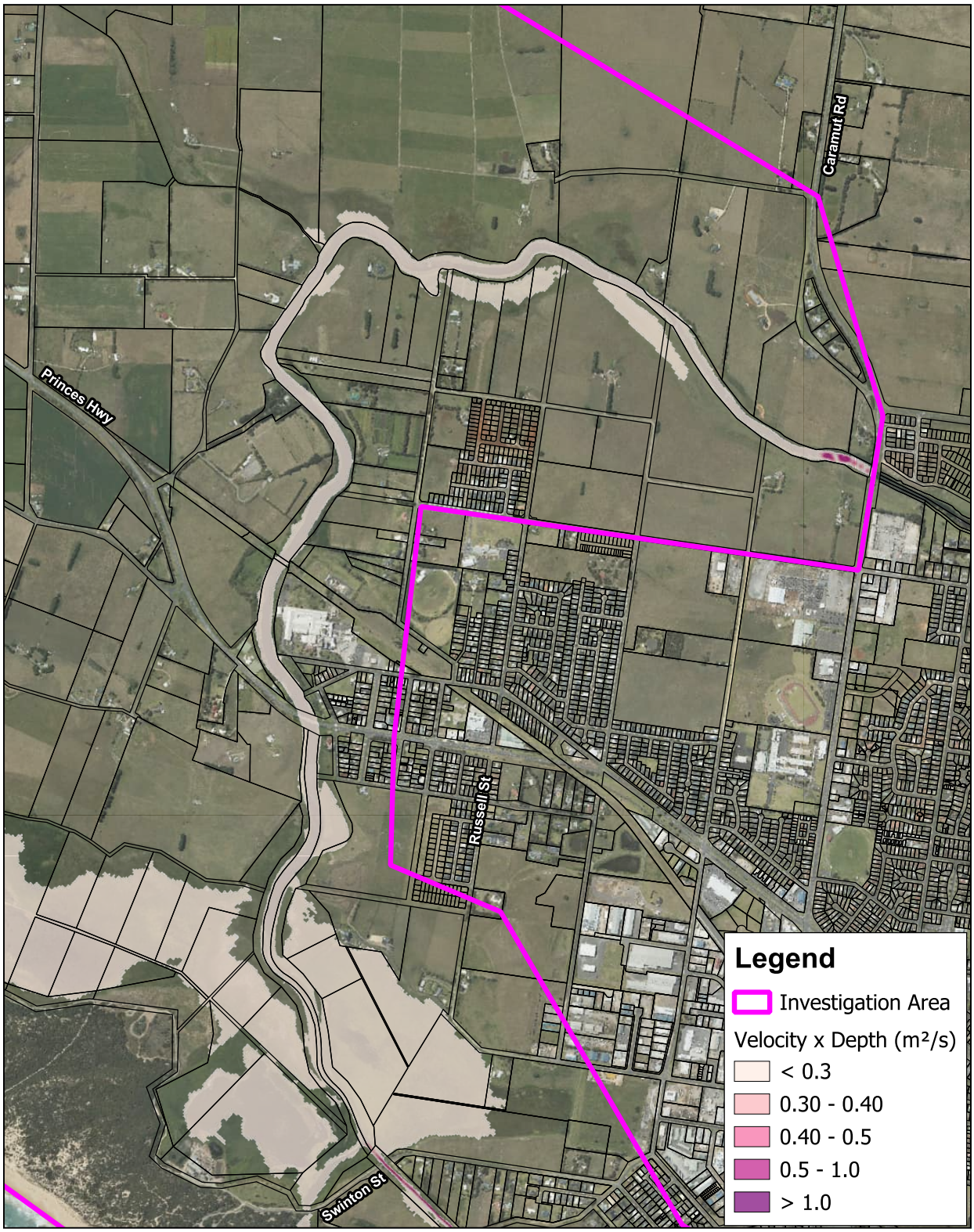
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-3_West_SWFS_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz

By: TL

May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Current Climate
1% AEP Storm Tide Peak Flood Velocity x Depth (North)

Figure:	Rev:			By: TL	
C-4	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-4_North_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_Z0_Max.qgz

Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Velocity x Depth (East)

Figure: C-5

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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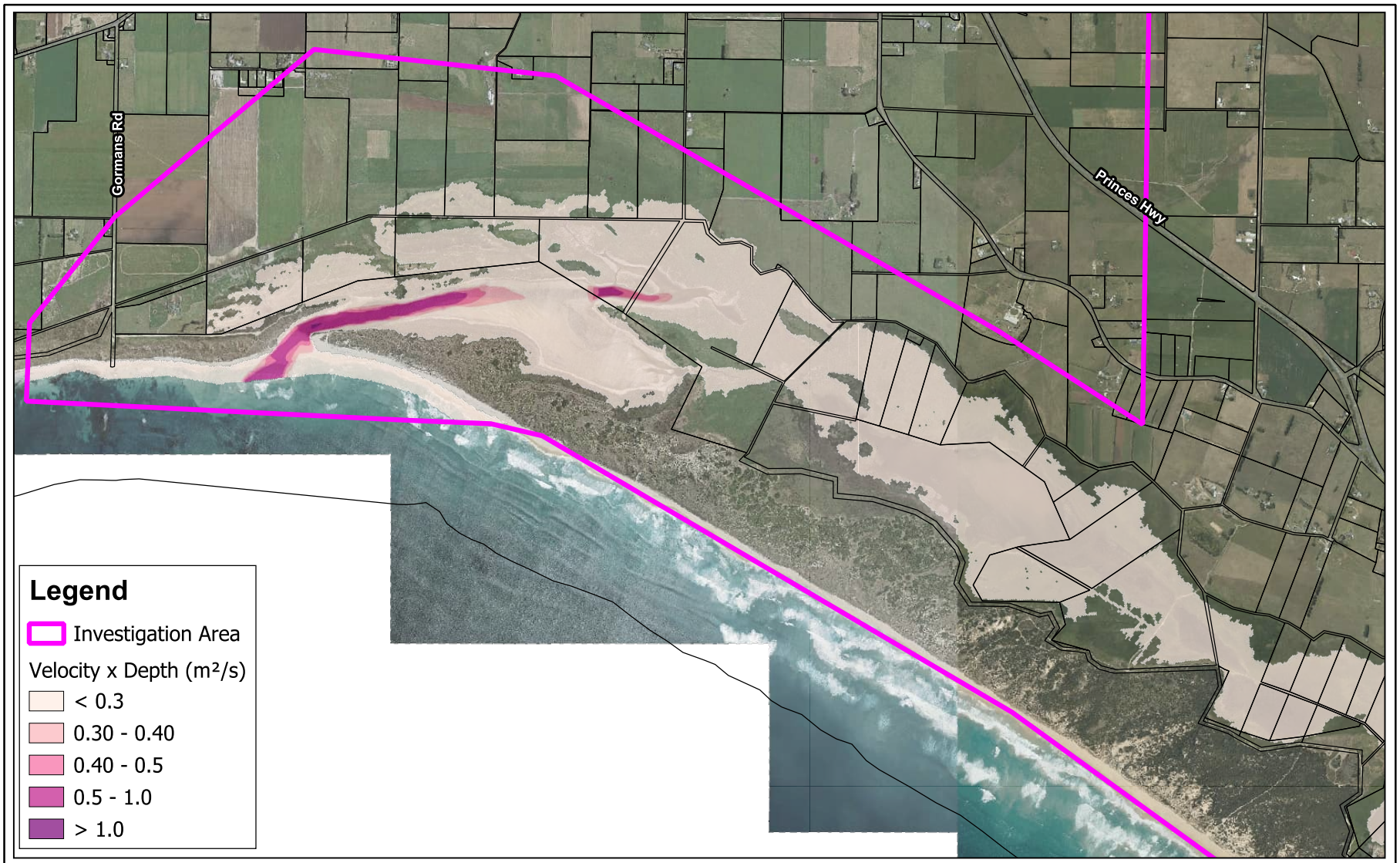
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-5_East_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_Z0_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Current Climate 1% AEP Storm Tide Peak Flood Velocity x Depth (West)

Figure: C-6

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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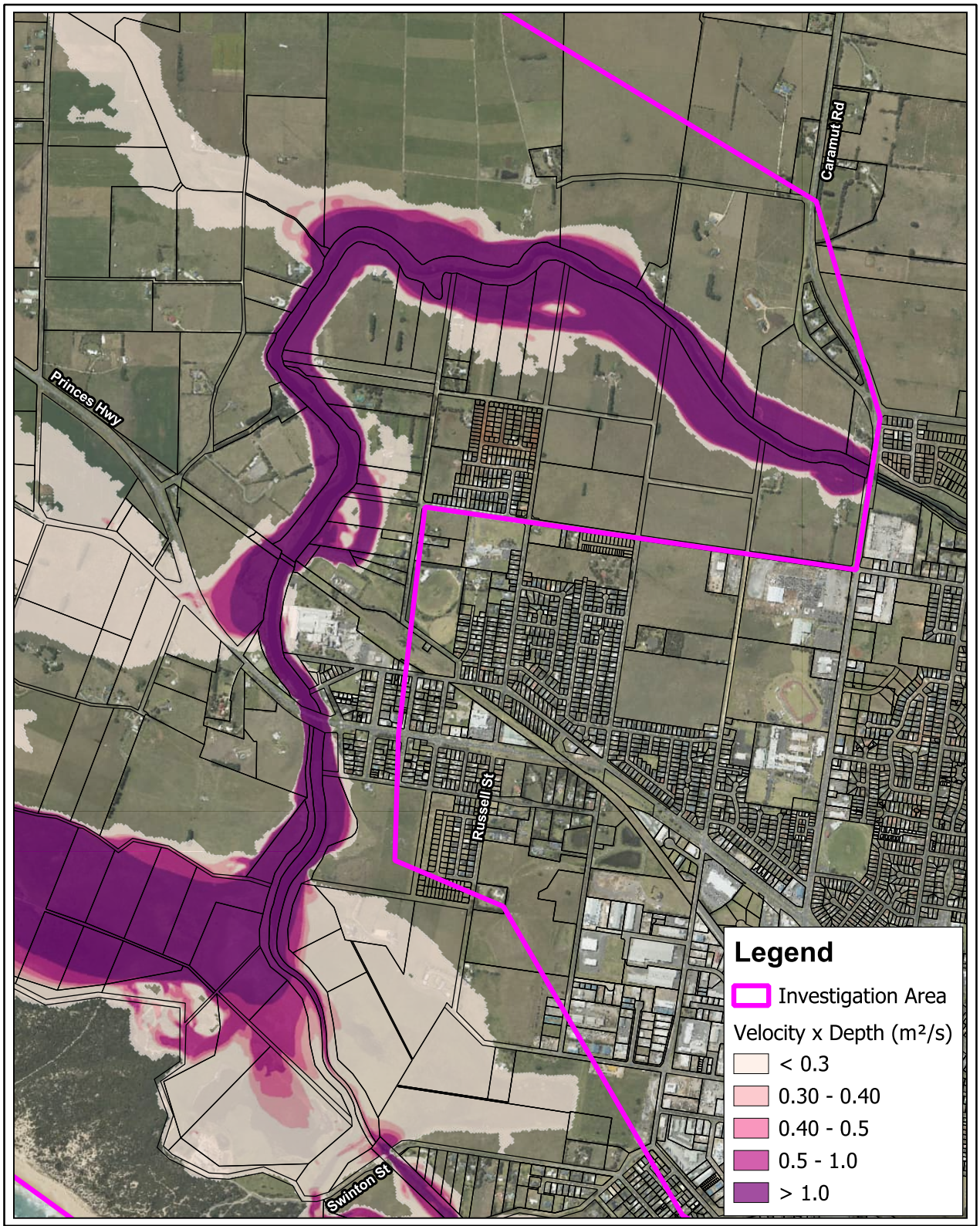
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-6_West_SWFS_E01_TIDE_RFno_0hr_tp0_TH1pc_047_Z0_Max.qgz

By: TL

May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Riverine Peak Flood Velocity x Depth (North)

Figure:	Rev:			By: TL
C-7	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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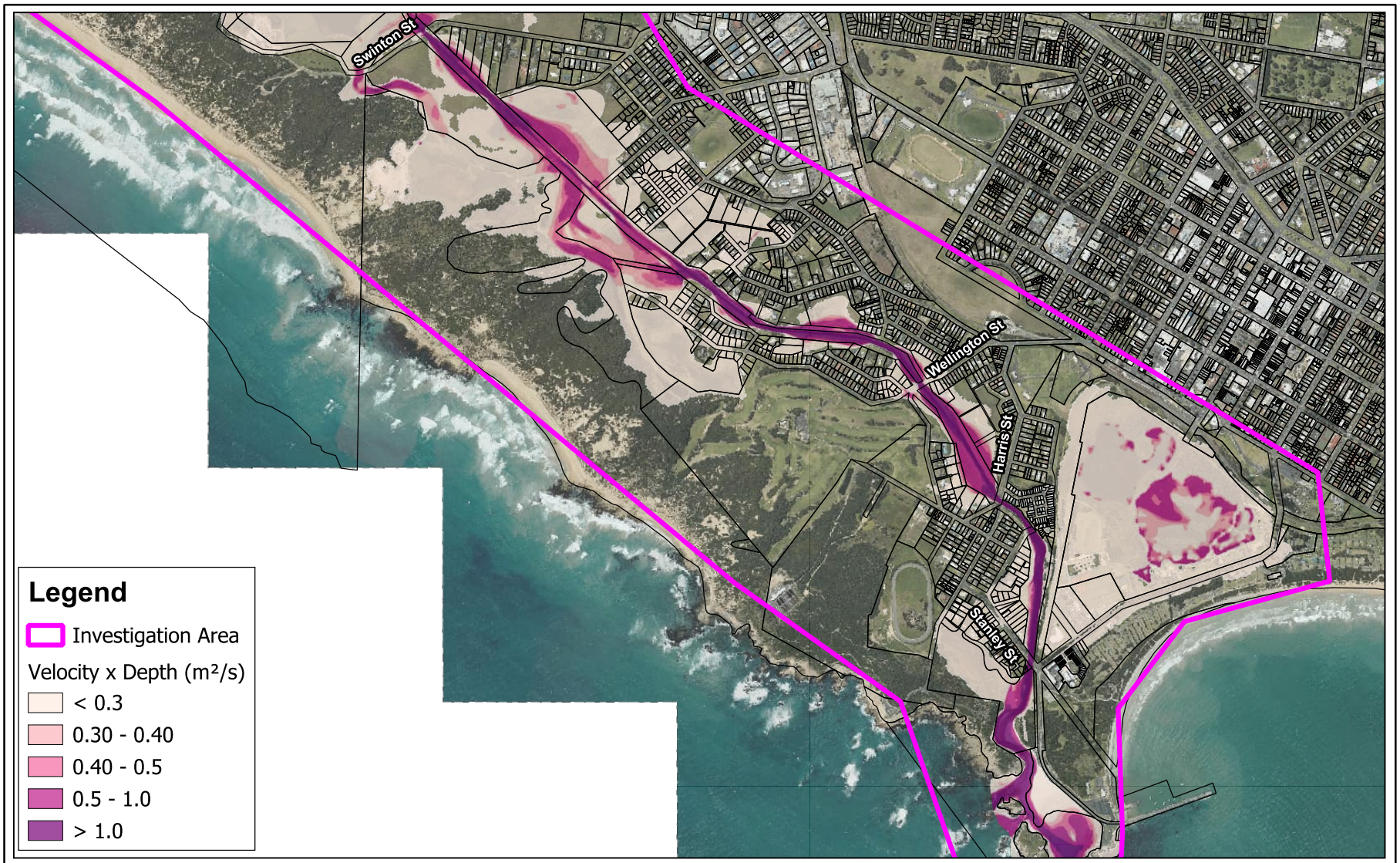
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-7_North_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz



Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Riverine Peak Flood Velocity x Depth (East)

Figure: C-8

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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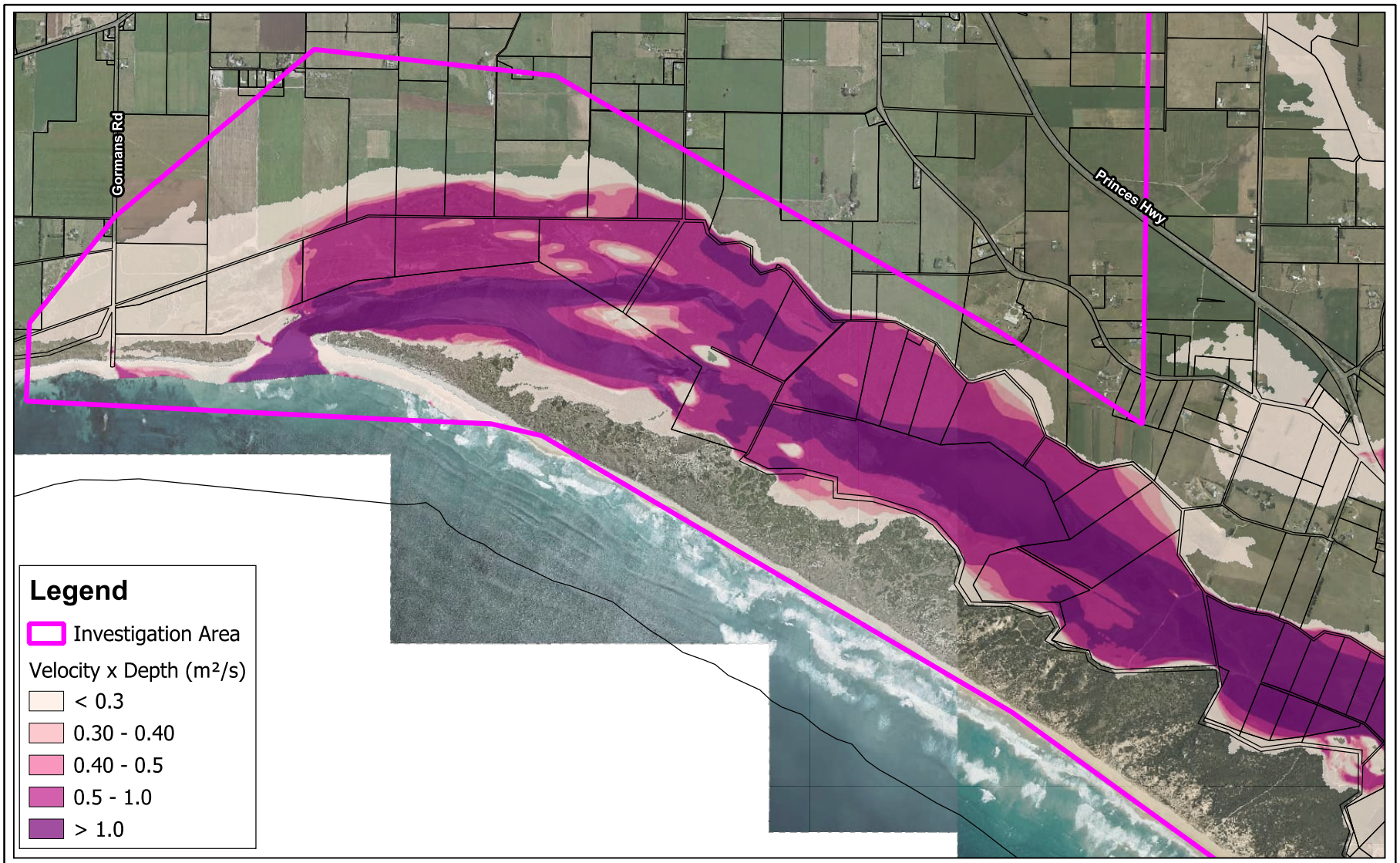
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-8_East_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Riverine Peak Flood Velocity x Depth (West)

Figure: C-9

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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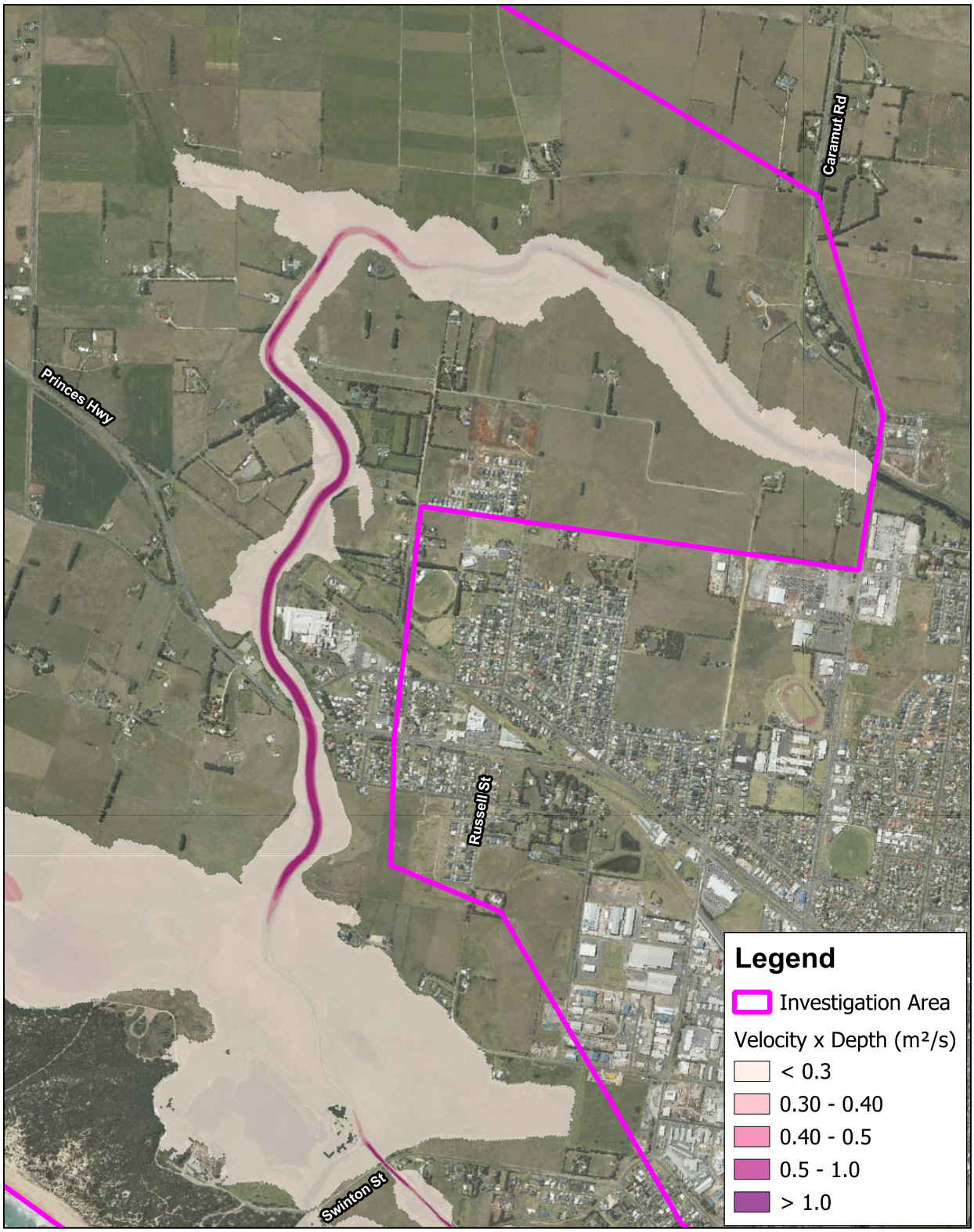
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-9_West_SWFS_CC2_RIV_RF1pc_36hr_tp9_TH_MHHW_047_Z0_Max.qgz

By: TL

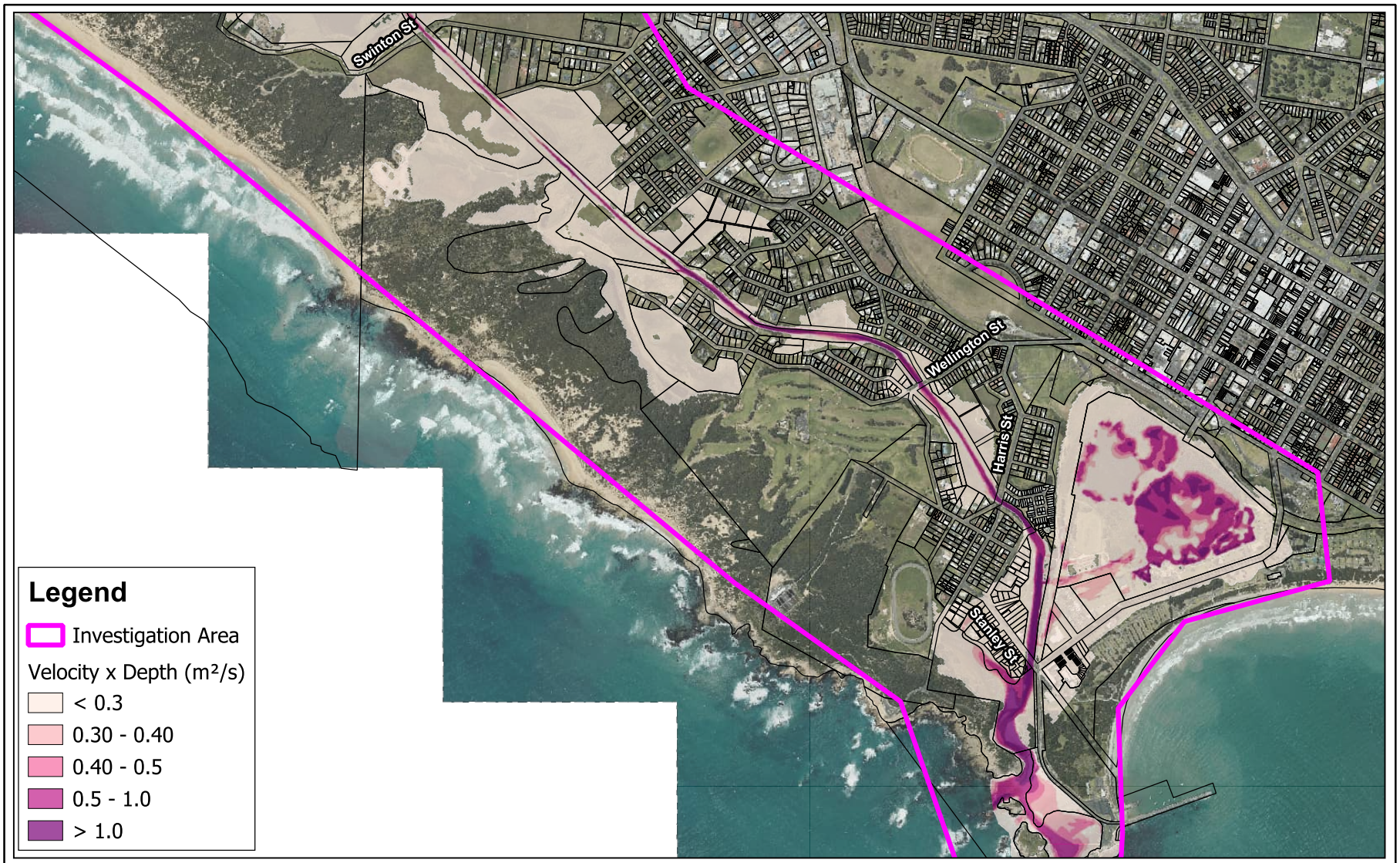
May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Climate Change 2
1% AEP Storm Tide Peak Flood Velocity x Depth (North)

Figure:	Rev:			By: TL	
C-10	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-10_North_SWFS_CC2_TIDE_RFno_0hr_tp0_TH1pc_047_Z0_Max.qgz



Title:	Figure:	Rev:		
South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Storm Tide Peak Flood Velocity x Depth (East)	C-11	A	0 350 700 m	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigC-11_East_SWFS_CC2_TIDE_RFno_0hr_tp0_TH1pc_047_Z0_Max.qgz

By: TL | May 2025

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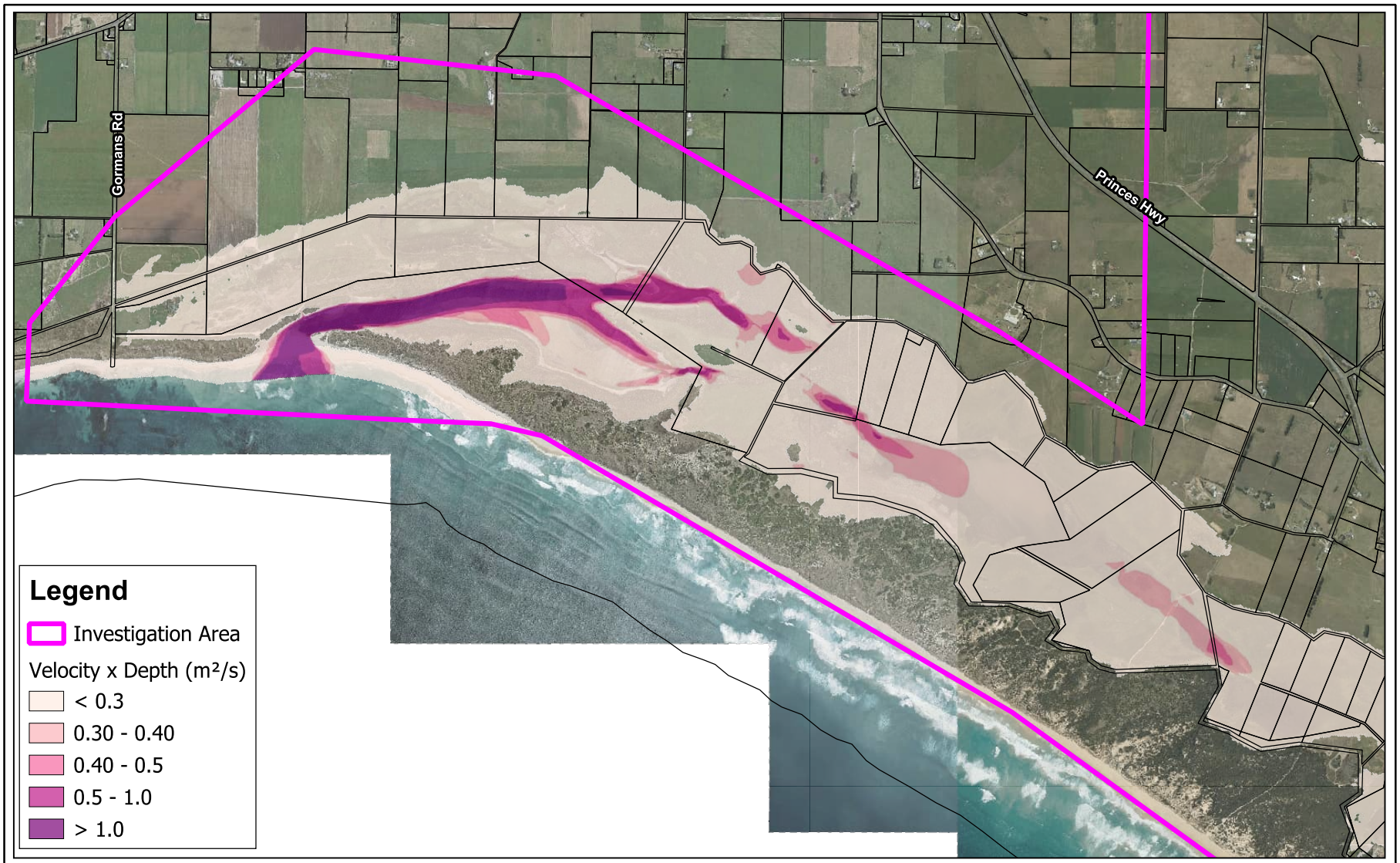

Title: South Warrnambool and Dennington Flood Investigation - Climate Change 2 1% AEP Storm Tide Peak Flood Velocity x Depth (West)

Figure: C-12

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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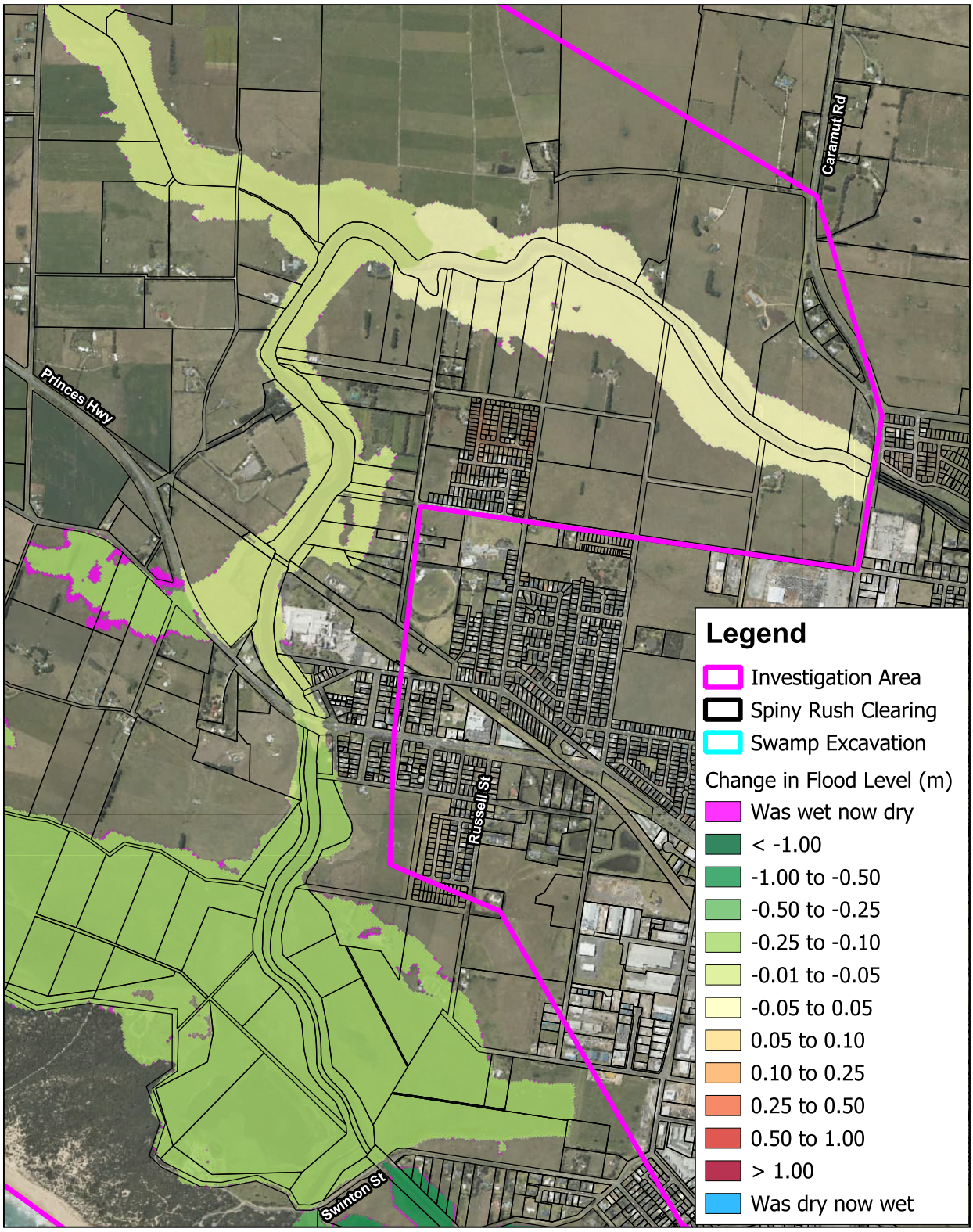
By: TL

May 2025

Appendix D Structural mitigation options flood level impact mapping



Title:
South Warrnambool and Dennington Flood Investigation - Option 1
Current Climate 1% AEP Riverine Change in Flood Level (North)

Figure:	Rev:			By: TL
D-1	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025

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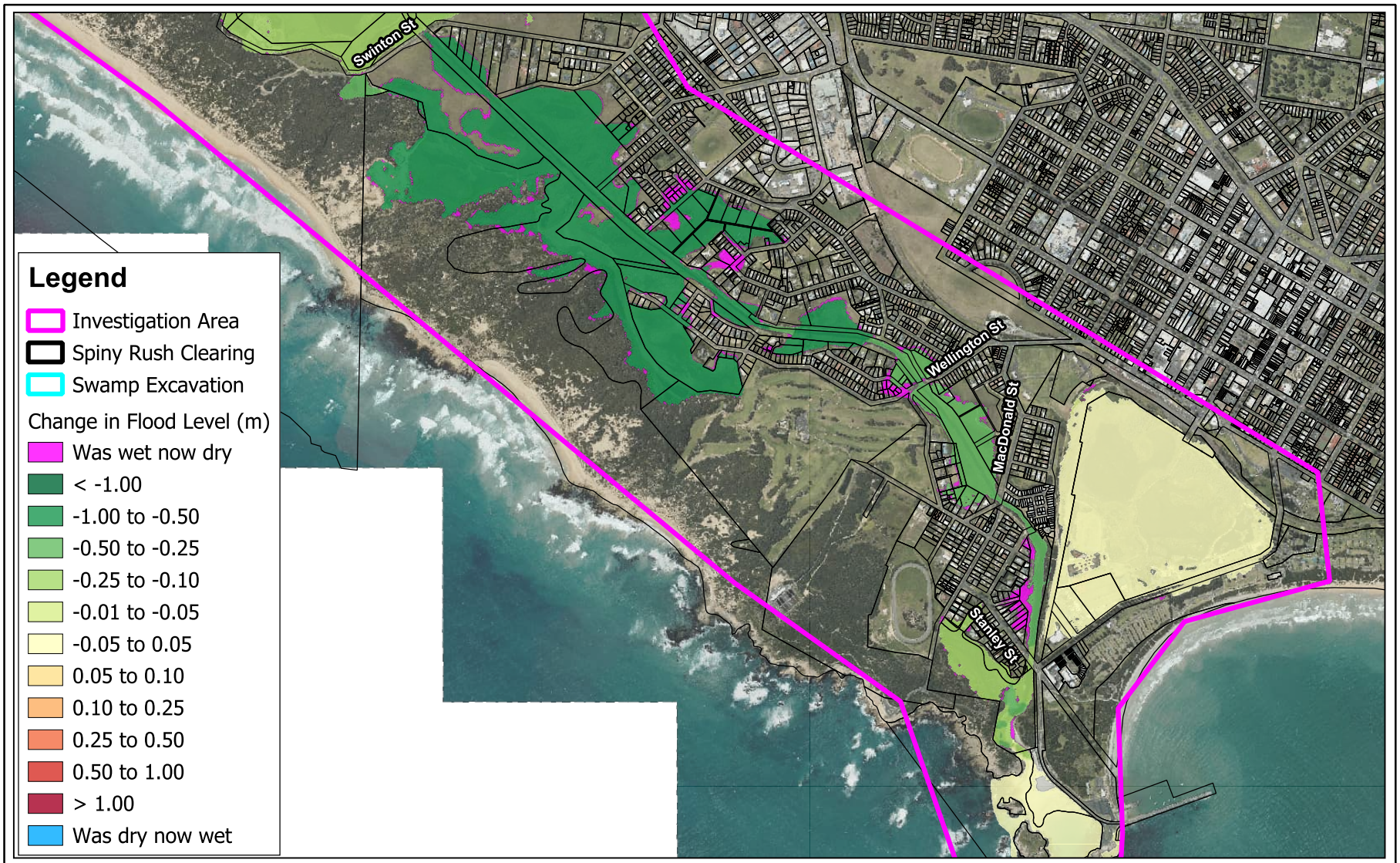

Title: South Warrnambool and Dennington Flood Investigation - Option 1
Current Climate 1% AEP Riverine Change in Flood Level (East)

Figure: D-2

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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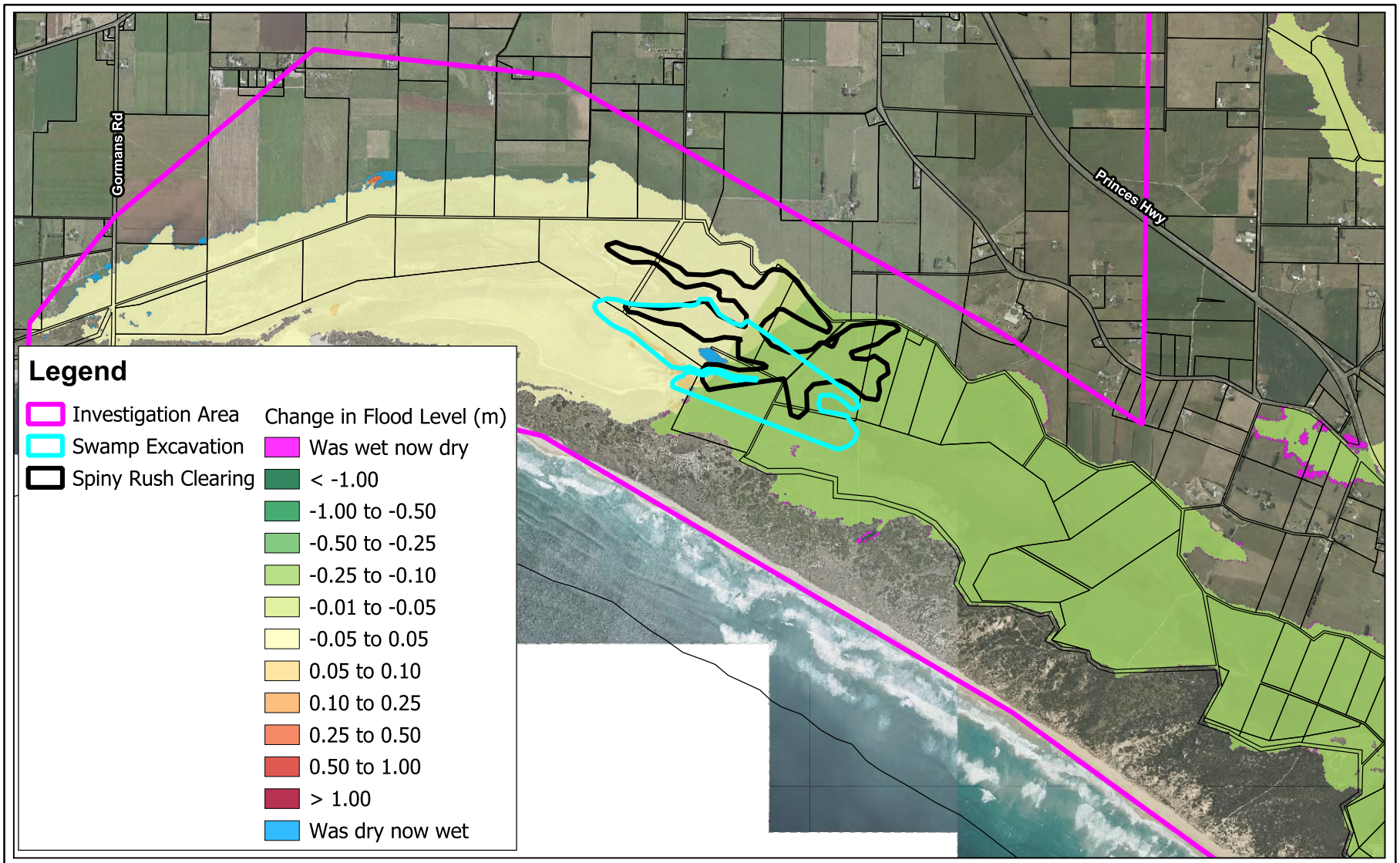
By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Option 1
Current Climate 1% AEP Riverine Change in Flood Level (West)

Figure: D-3

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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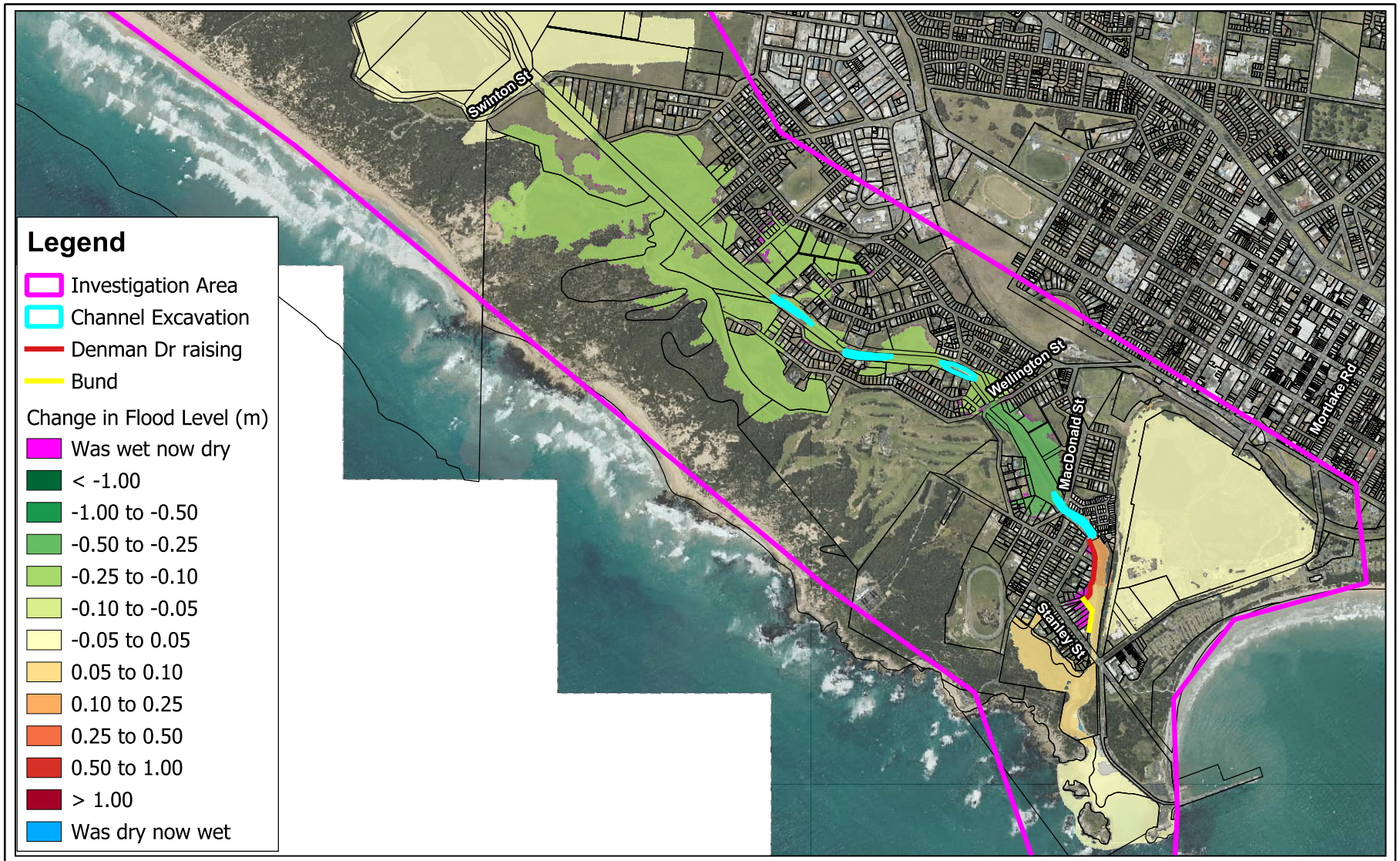
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigD-3_Dif_West_SWFS_M01_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_050_047_h_Max.qgz

By: TL

May 2025



Title: South Warrnambool and Dennington Flood Investigation - Option 4
Current Climate 1% AEP Riverine Change in Flood Level (East)

Figure: D-4

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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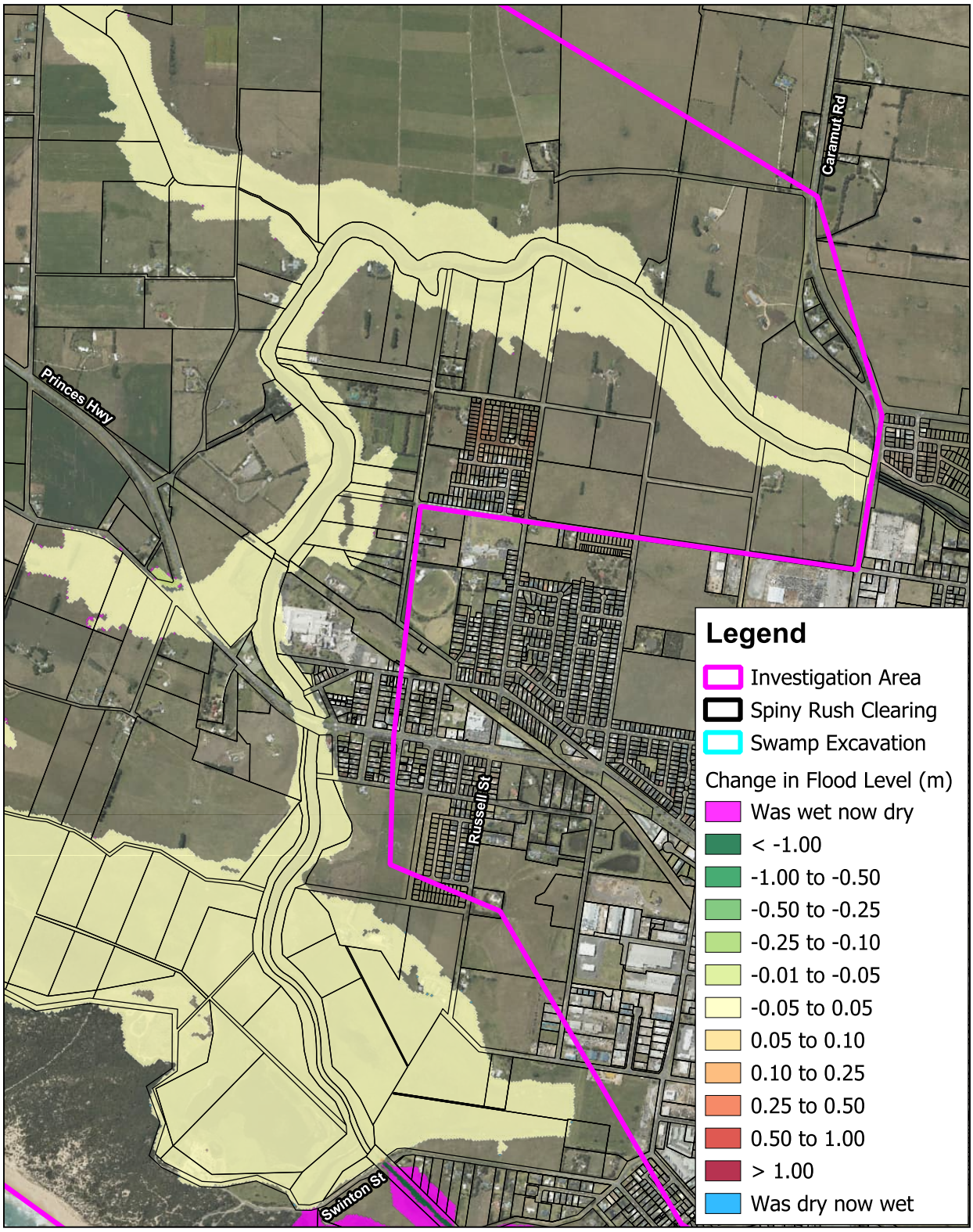
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigD-4_Dif_East_SWFS_M04_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_050_047_h_Max.qgz

By: TL

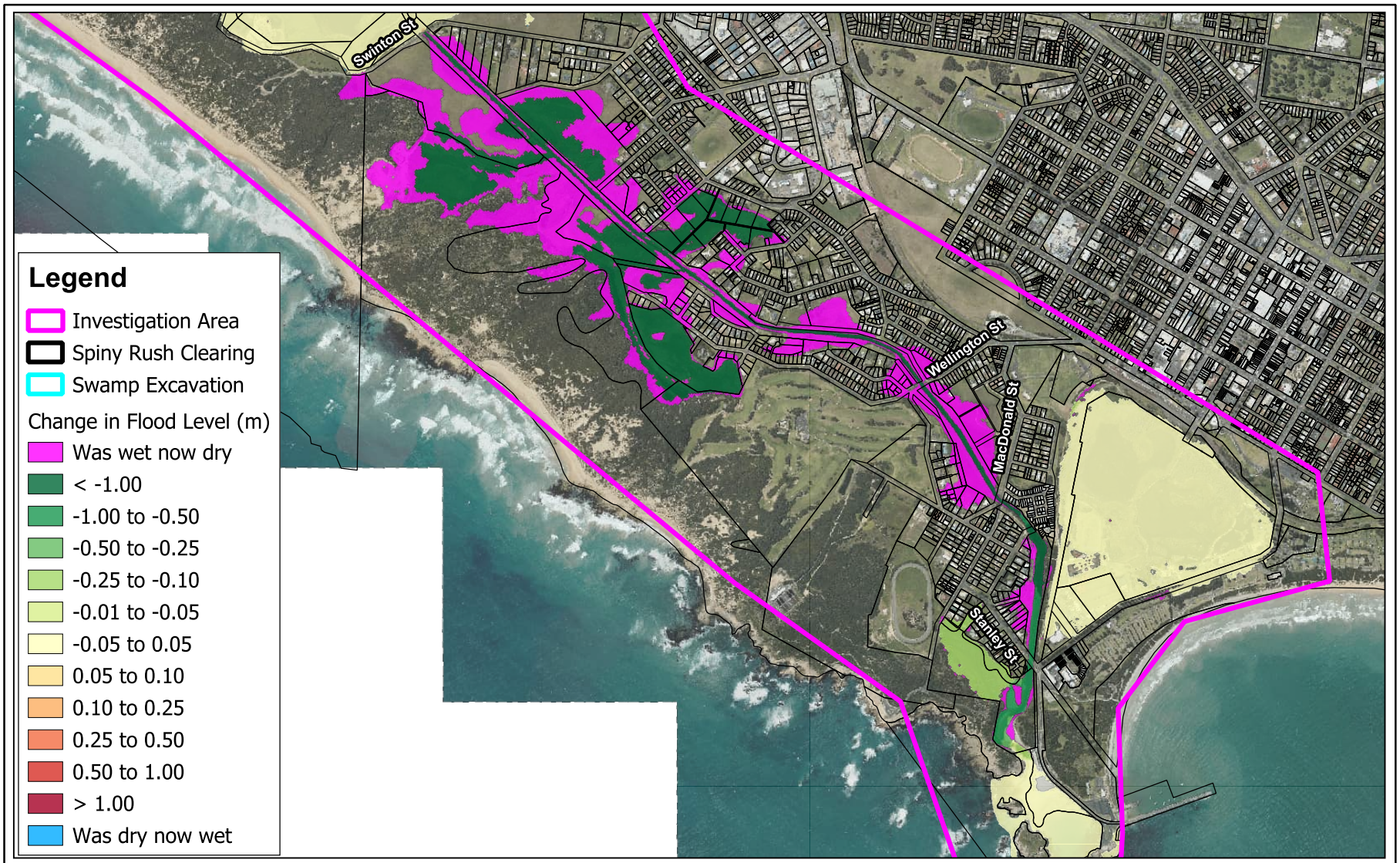
May 2025



Title:
South Warrnambool and Dennington Flood Investigation - Option 5
Current Climate 1% AEP Riverine Change in Flood Level (North)

Figure:	Rev:			By: TL	
D-5	A	0 0.35 0.7 km	This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.	Date: May 2025	VENANT SOLUTIONS www.venantsolutions.com.au

Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigD-5_Dif_North_SWFS_M05_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_048_047_h_Max.qgz



Title: South Warrnambool and Dennington Flood Investigation - Option 5
Current Climate 1% AEP Riverine Change in Flood Level (East)

Figure: D-6

Rev: A

0 350 700 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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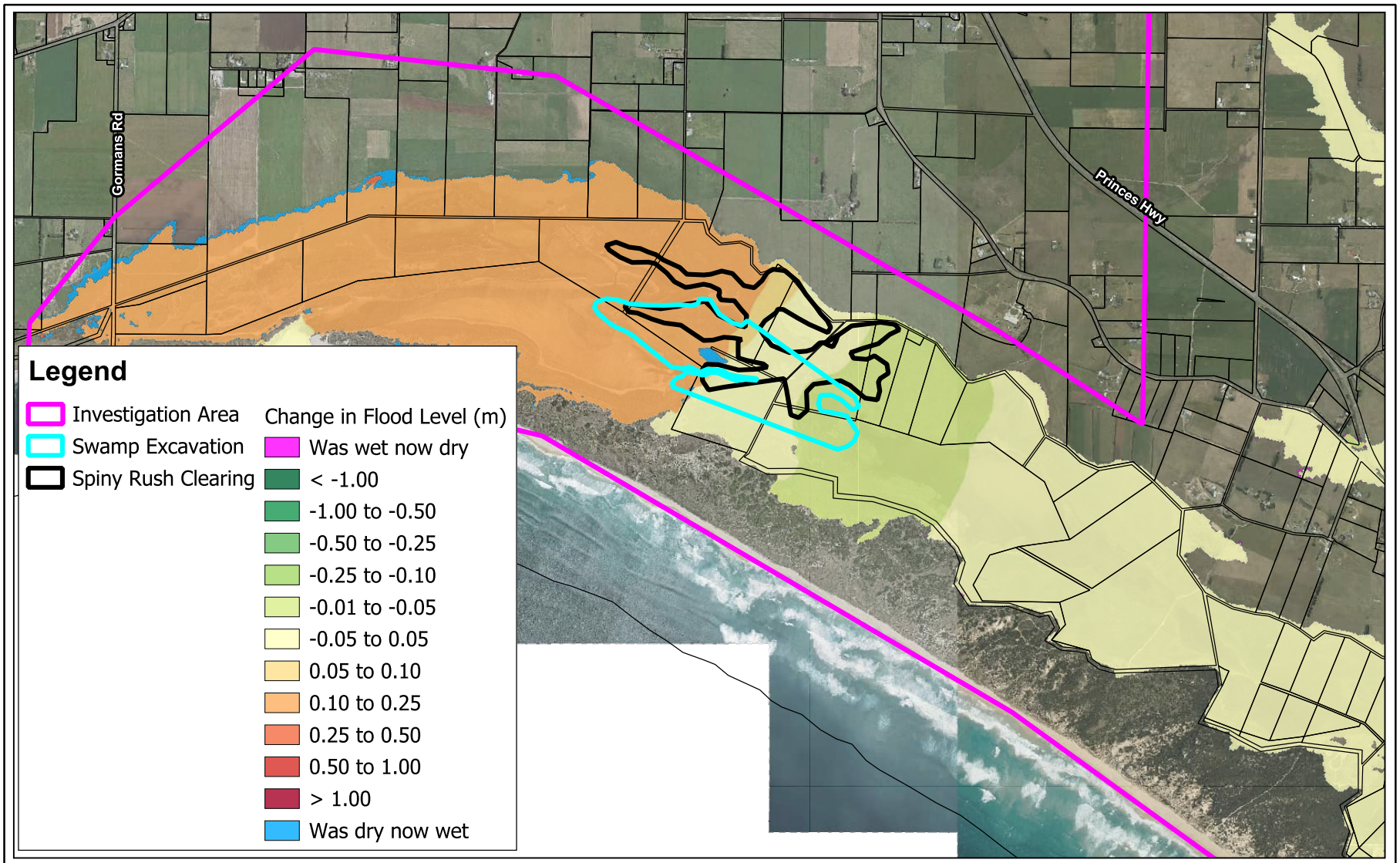
Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigD-6_Dif_East_SWFS_M05_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_048_047_h_Max.qgz

By: TL May 2025



Title: South Warrnambool and Dennington Flood Investigation - Option 5
Current Climate 1% AEP Riverine Change in Flood Level (West)

Figure: D-7

Rev: A

0 400 800 m

This mapping product is based on techniques and data in accordance with the study scope. Users should consider the mapping in the context of the report. No two floods are the same and care should be taken in the use and interpretation of the results presented.

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Filename: S:\Projects\M00407.MS.SouthWarrnamboolFS\GIS\Drawings\R.M00407.005.02\FigD-7_Dif_West_SWFS_M05_E01_RIV_RF1pc_36hr_tp9_TH_MHHW_048_047_h_Max.qgz

By: TL

May 2025

South Warrnambool & Dennington Flood Investigation Community Issues

No.	Issue	Times Raised	Response
1	This flood investigation is causing insurance premiums to increase, and in some cases making it impossible to obtain flood insurance.	23	Refer to ICA factsheets GHCMA: Insurance premiums may increase if your property has been identified through a flood investigation as being within a floodplain. This is an unfortunate outcome associated with increased flood intelligence, however will assist in ensuring that property is suitably insured for when a flood event of this size will occur. It is important to remember that planning decisions are often made with consideration on future impacts which includes factors such as climate change and sea level rise, however insurance assesses the existing risk within the next 12 months that it is intending to cover and will assess based on a current climate scenario which will have reduced impacts in comparison to the mapping used for development assessment and planning scheme controls.
2	This flood investigation is reducing land value and making it difficult to sell property.	22	Refer to ICA factsheets GHCMA: Land value may reduce if a property has been identified through a flood investigation as being within a floodplain. This is unfortunately unavoidable, however Local Government Authorities have a responsibility to identify land which may be impacted by a 1% AEP flood event.
3	It is a waste of time/money for Councils to be doing flood studies. Land use planning controls are not one of the most effective instruments available to mitigate the risk of flooding on communities.	4	While debate continues as to whether the State government will undertake more responsibility for flood studies, currently managing flood risk is a local government responsibility. This is generally required via Clause 13.03-1S of the Warrnambool Planning Scheme, and reinforced by the Victorian Floodplain Management Strategy. It is in fact a responsibility of Councils to "identify land affected by flooding, including land inundated by the 1 in 100 year flood event" (WPS Clause 13.03-1S), where underlying studies' "usefulness depends on their technical rigour" (VFMS). GHCMA: Councils have a responsibility to identify land affected by flooding as per Clause 13.03 of the Victorian Planning Provisions, and where identified **must** ensure it is identified within their planning scheme as per the Victorian Floodplain Management Strategy. Land use planning controls assist in moderating development within the floodplain to prevent worsening of flood impacts. Land use planning controls allow for development within the floodplain to be limited and/or discouraged which reduces the impact to life, property and infrastructure compared to if development in the floodplain was not moderated.
4	There is no such thing as human induced climate change. Natural disasters are becoming less frequent throughout the world. The current climate is very stable.	1	Created in 1988 by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP), the objective of the Intergovernmental Panel on Climate Change (IPCC) is to provide governments at all levels with scientific information that they can use to develop climate policies. IPCC reports are also a key input into international climate change negotiations. The IPCC is an organization of governments that are members of the United Nations or WMO. The IPCC currently has 195 members. Thousands of people from all over the world contribute to the work of the IPCC. For the assessment reports, experts volunteer their time as IPCC authors to assess the thousands of scientific papers published each year to provide a comprehensive summary of what is known about the drivers of climate change, its impacts and future risks, and how adaptation and mitigation can reduce those risks. An open and transparent review by experts and governments around the world is an essential part of the IPCC process, to ensure an objective and complete assessment and to reflect a diverse range of views and expertise. Through its assessments, the IPCC identifies the strength of scientific agreement in different areas and indicates where further research is needed. The IPCC does not conduct its own research. (https://www.ipcc.ch/about/) Assessment Report 6 (AR6) was completed in 2023. Assessment Report 7 is scheduled to be published in 2029. If you wish to learn more about the evidence and impacts of climate change you are encouraged to start with the IPCC AR6 Synthesis Report: https://www.ipcc.ch/synthesis-report/. Victoria's Climate Science Report (CSIRO, 2019) shows how Victoria's average temperature has been steadily increasing since 1950 and is tracking towards the upper limit of projections. More locally, Data from the Portland Tide Gauge shows how mean sea level on this part of the Victorian coast has been increasing since 1982 (Streamology, 2022). GHCMA: there is an updated Victorian Climate Science Report available (2024) however it was not published until end of November 2024 and therefore not available while this study was being completed.
5	This flood investigation is delaying and increasing the cost of building a home. It may mean recently developed residential properties may not be able to get a planning and/or building permit.	8	It is acknowledged that there are some parcels of land which would not have required any special flood risk consideration prior to the publication of this Investigation, which have now been shown to be at risk of flooding. New buildings on these properties will now need take flood risk into consideration. Where building design was completed before the publication of the Investigation, some re-design will likely be required. In addition to delay and additional design costs, addressing increased flood risk can result in additional construction cost. Notwithstanding, now that Council knows these properties are at risk of flood, it must ensure building is done in a manner that is flood-safe and does not make flooding worse for other properties in the area. For recently developed vacant lots, Council is working through them on a case-by-case basis as planning permit applications are submitted in an effort to determine how these lots can be built on safely.

			GHCMA: The investigation has identified land likely to flood by a 1% AEP flood to the planning horizon of 2100. It will ensure that any allowable development within the floodplain reduces further flood impacts and ultimately reducing the risk to life, property and infrastructure when a flood of magnitude up to, and including, a projected 1% AEP by 2100 occurs.
6	The flood model should assume that Rutledge's Cutting will be kept open and it must therefore be kept open. It will be effective and cheap to use an open Rutledge's Cutting for flood mitigation.	8	Council is not being asked to adopt any structural mitigation measure at this point in time where the recommendation is only to accept the model. The model has been constructed using national guidelines (Australian Rainfall & Runoff or AR&R) to represent the study area as it exists today. Once adopted, the model can then be used to test any number of structural mitigation measures to see how they will change flood levels. GHCMA: The flood model has looked at both the river mouth closed and open and in all higher magnitudes the mouth opens regardless of prior status. The comment on being effective and cheap is misleading as it would require routine work to be completed with not much benefit in alleviating flood concerns and more related to community perception which doesn't actually decrease damages costs.
7	This flood model needs to be extended upstream of Caramut Rd to quantify the impacts on the many residential properties in that catchment. The South Warrnambool and Dennington study should not be acted upon until the North Warrnambool study is completed.	12	The flood model for the Merri River upstream of Caramut Road and including Russells Creek was completed in 2010. There have been significant changes to the national flood modelling guidelines (AR&R) since that time. There has also been a significant flood event in 2020 that should be included in a flood model. Council has applied for a grant from the Victorian Government to produce a new flood model that will extend from Caramut Road to Bushfield. Should Council not be successful in its application it will pursue other funding opportunities to complete this important work. GHCMA: The costs associated with modelling are high and typically require investment from State or Federal Government to complete. If the South Warrnambool and Dennington study is not adopted by Council, it could increase difficulty in securing future funding as the outcomes associated with the funding are not being met such as implementing planning controls, limiting development on floodplain etc.
8	How can this flood model be so different from the 2007 model?	2	The current modelling is significantly different from the 2007 modelling for a combination of reasons: 1) The 2007 model considered the 1946 event an outlier and completely disregarded it from the analysis. 2) The 2007 model did not sufficiently allow for storm-tide effects. 3) The 2007 model oversimplified the Kellys Swamp / Saltwater Swamp / Rutledges Cutting system 4) 3 significant floods have occurred since 2007 (2009 & 2014 storm tide, 2020 riverine). They have been incorporated into this model to make it more accurate. 5) The 2007 study underestimated projected sea level rise. 6) The 2007 study underestimated projected increases in rainfall intensity. 7) FLIKE was not available in 2007 (software used to determine design flows from based on stream gauge recordings – particularly good for large events such as the 1946. 8) 2007 study did not verify the 'rating curve' at Woodford. Was done this time using a TUFLOW hydraulic model. 9) Other improvements in flood modelling technology / methods and climate science in the intervening 18 years. GHCMA: Flood estimation is highly dependent on historical data – the more data that is available, the more robust the flood estimation becomes. Additional years of data capture, updates to the national design rainfall data system (Bureau of Meteorology 2016) and additional flood events with captured extents all contribute to improved flood estimation.
9	Why don't we build a big dam in south Warrnambool to Retain flood water?	2	The Merri River Catchment which drains into South Warrnambool is over 1000 km^2 in area. It would not be possible to construct a basin in the study area big enough to hold enough flow from this large contributing area to have a significant impact on flood levels. The topography is too flat and the water table is too high. The construction of a large dam upstream of the city would result in flooding of farms communities and roads upstream of the dam. It would have a high maintenance burden. It would need to be future-proofed against likely worsening climate beyond what is currently predicted. The benefit cost ratio would likely be very low when compared to localised protection of the relatively few existing homes we know to be at risk and the prevention of new construction in flood-prone areas. GHCMA: In addition to the above, while rainfall intensity is projected to increase due to climate change resulting in more intense rain events, the annual rainfall is projected to decrease in total. It is important to maintain what flow is available in channel for river health.
10	Why don't we just let the Merri return to its historical course?	1	When large floods do occur, the water breaks the banks of the man-made channel and overspills into the natural floodplain in a similar manner as would have occurred before the channel was excavated. The problem is that development has occurred in that floodplain placing existing houses at risk of flood. GHCMA: This would require significant investment, approvals and may still have no overall benefit to flood risk. The study needs to look at the current alignment and flood risk today and into the future.
11	Prior to 1870 (Rutledge's intervention) 100% of the Merri flood water discharged at Sting Ray Bay. The dune at the western extremity of the estuary was impenetrable to flood water.	1	GHCMA: The investigation needs to investigate the floodplain as it is today and any potential mitigation. The modelling is not calibrated or validated to any flood events prior to 1870 and therefore the history has no impact on today's floodplain.

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			VS: Agree with GHCMA, whether the dunal system was breached at Rutledge's Cutting or other locations in extreme events prior to human intervention does not influence this study.
12	If it was not for Rutledge's work (20 men with shovels for 1 day) Rutledge's cutting would look very different today.	1	GHCMA: Not sure this needs to be refuted – it is excellent for historical notes, but irrelevant to the study. VS: Agree with GHCMA
13	Since the channel was excavated in 1859, the broader floodplain no longer serves a flood conveyance purpose.	1	When large floods do occur, the water breaks the banks of the man-made channel and overspills into the natural floodplain in a similar manner as would have occurred before the channel was excavated. The problem is that development has occurred in that floodplain placing existing houses at risk of flood. GHCMA: This may be true, however a flood investigation is investigating where floods will occur now and into the future, and how we can feasibly mitigate those risks. The channel exists and therefore must be modelled.
14	The community was not adequately consulted during the investigation.	10	The investigation commenced in November of 2022 with an online community survey and a listening post drop-in session to gather historical flood information to use as a foundation for initial modelling. Three subsequent community meetings have been held to update and seek feedback from the community. Engagement has followed the intent of the project charter, and an additional consultation forum has now been added for the community to provide feedback on the final report. GHCMA: Community consultation occurred at all major steps of the investigation as is standard for flood studies.
15	Pre-feasibility analysis should have been done on the two options that were discounted.	3	GHCMA: Refer to mitigation report. VS: Refer to Section 3.2 of the Flood Damages and Mitigation Option Feasibility Assessment Report. These options were tested in the hydraulic model.
16	The method used to select the options for prefeasibility analysis was flawed.	3	Detail is provided in the report as to how the options were cut from 25 to 3. It is difficult to respond further to this comment without an understanding of how the method is suggested to have been flawed. GHCMA: As above, more detail in mitigation report. Modelling of more options can occur at additional costs.
17	The choking of flow at Swinton St ignores upstream impacts.	3	The model has been used to demonstrate that provided the choke is accompanied by significant excavation at the west end of Kelly's Swamp, no existing homes upstream of the choke will experience increased flooding. GHCMA: My read of this concern is that mitigation in North Warrnambool should be considered before looking at options in South Warrnambool given upstream mitigation may impact downstream levels. This is a valid option once North Warrnambool is remodelled with updated information, however this is the South Warrnambool and Dennington Investigation so mitigation options are only considered for the study area.
18	The historical rainfall measurements (1960-1990) used in the model are not sufficiently accurate.	5	GHCMA: This is a misinterpretation of the content within the report. The rainfall measurements are not only from 1961-1990, this is simply the baseline **climate** period. As per the report design event rainfall depths utilised the Bureau of Meteorology's (BoM) Intensity Frequency Duration (IFD) curves which provides location specific information on anticipated rainfall over time for a number of rainfall event magnitudes. The IFDs are derived from rainfall records from the 1800s up until 2012 across over 16,000 locations with the available IFDs reported at specific locations such as across the Merri River catchment. It is industry standard and best practice to use the BoM IFD's for rainfall analysis. The baseline climate period of 1961-1990 means that for current and future climates adjustments must be made which are provided in Table 4-3 of the report. More information on IFDs can be found at the BoM website.
19	What does the rainfall data since 1990 show?	5	VS: For this Investigation analysis of rainfall data was not undertaken as the IFD's produced by the BoM used to define design storm events as per best practice. As documented in Australian Rainfall and Runoff storm event rainfall has become more intense since the 1961-1990 period.
20	The rainfall data for this study is not sufficiently localised (we should not be using data from other states to make predictions here).	4	Refer to the AR&R Climate Change Chapter that breaks the country into regions. GHCMA: The rainfall is localised – IFD extraction is based on a gridded resolution of approximately 2.2 x 2.8 km, which is approximately 6km2 that is spatially varied across the catchment.
21	The model needs to account for seasonality.	3	VS: On the Merri River most riverine flood events occur in the months between July and October and most storm tide events between May and September. Having said that the Flood Frequency Analysis technique used to define large flood events (riverine flow and storm tide levels) for this Investigation spans across many years and inherently accounts for seasonality.
22	The model should use 0.8 SLR rather than 1.2 m.	8	Refer to summary report for justification of this assumption. GHCMA: The use of 0.8 metre sea level rise by 2100 is the minimum requirement for planning, however this is being reviewed to reflect recent climate science as outlined in the Victorian Climate Science Report 2024. It is recommended in multiple sources for decision makers to consider

			the SSP5-8.5 scenario for risk management around sea level rise due to the level of uncertainty in projections due to the rapid increase in sea level rise over the past decades.
23	We should present both the 0.8 m and 1.2 m SLR scenarios.	4	Refer to comparison image done by Venant in December (red-yellow shading). GHCMA: Agree use comparison image.
24	Politicians bear ultimate community responsibility for these decisions so they should be the ones making them – Council Officers should not be trying to influence their decisions.	2	Councillors will make the final decision, where that decision requires input from officers based on expert evidence. GHCMA: It is the responsibility of Councils to identify floodplain land and to implement it into planning schemes as per Clause 13.03 of the Victorian Planning Provisions (VPP) and the Victorian Floodplain Management Strategy.
25	The proposed overlays should not be based on the 2100 climate.	7	Refer to planning legislation. Also, many of the homes that are constructed today will still be occupied in 75 years time. GHCMA: The 2100 horizon is a requirement for coastal inundation as per clause 13.01-2S of the Victorian Planning Provisions. The objective of clause 13-01-1S is 'to minimise the impacts of natural hazards and adapt to the impacts of climate change through risk-based planning', which is why 2100 is considered appropriate.
26	People who bought land should be allowed to build on that land based on the controls that existed when they purchased that land.	3	The pathway of flood studies and their eventual impact into various planning schemes is outlined in the Planning and Environment Act. GHCMA: As above. Land use planning controls should be applied to land affected by flooding as identified by Clause 13.03 of the VPP. Development may still be allowed depending on flood risk and any potential mitigation factors at play.
27	Other mitigation measures should be investigated.	7	There are structural mitigation options which have not yet been analysed, and which may be shown to have better benefit-cost ratios than those included in this report. Once accepted, the model can be used to test other options. GHCMA: As above other options can be considered. This study allowed for hydraulic modelling of 3 options only. More funding would be necessary to undertake further modelling.
28	The cost of insurance, loss of land value, and flood resilient construction costs, and costs upstream of Caramut Rd should be included in Average Annual Damages (AAD).	6	The methods which have been used to calculate AAD are industry standard. The main purpose of the AAD figures is to enable calculation of benefit-cost ratios. This enables different mitigation options to be quantitatively compared. Should there be a demonstrated advantage to including other costs in AAD for future mitigation options analysis, that can be considered. The critical thing is that AAD is calculated for each option being compared using the same method. GHCMA: Mitigation opens within the vicinity of the South Warrnambool and Dennington model would unlikely have upstream impact above Caramut Road, therefore including in AAD would be of no benefit as the portion of AAD before and after mitigation for the upstream component would remain the same. If mitigation opens showed impacts at the study boundary of Caramut Road, this would need to be revisited.
29	A 250 m levee south of 125 Younger should be considered as a mitigation measure.	3	This levee would need to be significantly longer than 250 m and would probably require reconstruction of part of Younger St. It could be considered for future pre-feasibility analysis. GHCMA: This would need to be modelled and demonstrated that there would be no offsite impacts to other properties, as well as a cut and fill balance achieved within the floodplain.
30	Options in the Viaduct Rd area should be considered to reduce storm surge.	3	Mitigation options in the Viaduct Rd area could be considered for future pre-feasibility analysis. It must be noted that any work you do to prevent storm surge from entering the estuary will constitute an obstruction for riverine flood water flowing out of the estuary. GHCMA: The option suggested may help dissipate energy in the form of intensity, but the storm surge will still increase water levels from the coast to low lying inland areas.
31	Removing Spiny Rush from and excavation of Kelly's / Saltwater swamp is superfluous to need.	3	VS: In order for the excavation to occur between the two Swamps the Spiny Rush needs to be removed. The effect of the Spiny Rush removal as a stand alone mitigation solution has not been tested in the model but removing dense vegetation does allow for flow to pass more freely.
32	The study must include an understanding of the 1946 flood.	3	Refer to Hydrology Report. GHCMA: As above – this has been considered.
33	Rutledge's cutting has not been studied sufficiently by this model.	6	Refer to Hydrology Report. GHCMA: As above.
34	The cutting should be open to water level for 100 m and be flanked with a bank no more than 2.5 m above water level for 300 m.	3	Refer to Hydrology Report. GHCMA: As above.
35	The model should assume a berm level of 2.5 m across Rutledges Cutting. This would mean rainfall intensity would be irrelevant and the excavation of the swamp high point would be unnecessary.	3	Refer to Hydrology Report. GHCMA: As above.

36	If we can engineer structures that prevent any impact to housing, the damage is reduced to zero.	3	Refer to the Damages Report. GHCMA: This would be very costly to achieve and likely not supported for many reasons such as cultural impacts, environmental impacts, amenity impacts.
37	The flood maps should be more friendly to those who currently live on the fringes of the lower Merri floodplain areas and those who would wish to.	3	Flood water pays no heed to where Council decides to draw a flood line on a map. The 1% AEP flood line should be placed where the best available science predicts it to be. Council must then assess what the most cost-effective means is to protect the people whose homes are inside that line and prevent new development to occur in unsafe locations. GHCMA: As above, this is predicting flood inundated land based on best practice modelling, not based on where it is thought to be best placed. Development within the draft controls will be assessed against its individual flood risk and merits.
38	The modelled level at 1/13 and 11 Landmann is wrong because 11 is actually lower.	1	This can be quickly confirmed by accurately measuring the levels assuming both property owners give Council permission to enter the properties. GHCMA: As above. LiDAR is validated as best as possible but if there are any inaccuracies this can be rectified.
39	Figure 1-11 is labelled incorrectly.	2	This typo will be corrected in the June report. VS: This is a photo of a since demolished house on Landmann St and the report figure needs to be renamed accordingly. This photo (or flood level survey associated with it) was not used in the model calibration. Please note, the address reference of 6 Morse Street was from the use of this photo in the MFEP which will also be updated accordingly.
40	Rates should be reduced to compensate for reduced land values.	5	Council's Revenue Team is in the process of providing property rates reductions for severely affected properties.
41	Property owners should be compensated for loss of property value.	5	The costs of climate change are becoming substantial and will increase. Those costs are not yet, and might never be, distributed fairly across all of society. All levels of government have much more work to do in this space. Council will continue to lobby State and Federal governments for support for local climate change adaptation measures.
42	The study has been rushed. The study has been compiled without proper investigation.	2	The study was initiated in November 2022 and has followed the pathway outlined in its initial charter. The investigation has included input from a variety of experts in the field. GHCMA: This study has been completed within the expected timeframe of a study this size.
43	What can I do to make my home more flood resilient?	2	Refer to Flood Resilient Guide to Retrofitting Your Home, Melbourne Water, 2020 GHCMA: As above. GHCMA can also provide advice.
44	How can the Wellington St Bridge be under water when it was a metre out of the water in the 2020 flood?	1	Based on the current climate conditions, the 2020 flood, as measured at the Woodford gauge had an annual exceedance probability (AEP) of 6% (1 in 18 year average recurrence interval). A current climate 1% AEP (1 in 100 year) will, be bigger. A year 2100, 1% AEP including sea level rise and increased rainfall intensity will be bigger still. The year 2100 1% AEP flood is what Council must use for planning purposes. Also, refer to the response above for reasons why the 2024 model is significantly different to the 2007 model. GHCMA: As above – due to the size of the event.
45	The south Warrnambool wetlands have never flooded in over 100 years.	3	Refer to photos. GHCMA: The properties in question may not have flooded in that time, as riverine only flood events are not likely to impact them. However coastal inundation likely will. Sea level rise is inevitable based on climate science and it is projected that a current 1% AEP sea level event (storm surge) is likely to become an annual event by the end of the century under a low emissions scenario, and even sooner under a high emissions scenario – See Bureau of Meteorology's State of the Climate 2024 for this statement.
46	Illowa Rd is 5 m above sea level and therefore cannot flood. It did not flood in the 2020 flood.	1	The 2020 flood was a 1 in 18 year flood, based on the current climate. Please refer to the photo on p. 7 of the summary report which shows the Illowa Rd flooded in 1946. GHCMA: Flood levels during a 1% AEP event exceed 5 metres AHD (above sea level) at Illowa Road.
47	The model should account for actions that governments are taking to mitigate against climate change.	1	Refer to IPCC and CSIRO published temperature and GHG measurements. GHCMA: These actions can change at any time in any country, therefore a conservative approach is advised for risk management purposes.
48	The model should account for future structural flood mitigation actions.	1	The purpose of the model is to represent the floodplain as it exists today, not what may, or may not, exist in the future. The model can then be used to test the effectiveness of various possible structural mitigation options. GHCMA: As above. Additionally planning controls cannot rely on a potential unfunded, unconstructed mitigation option. Controls can be repealed in that instance.
49	The study has not been adequately reviewed.	12	Refer to summary report.

			GHCMA: It has been reviewed through internal quality assurance at Venant, by floodplain managers at GHCMA and through industry experts at Streamology. Note that there is a comment that it is not a community appointed expert, however it needs to be an expert within the field familiar with the modelling approaches. Christine Arrowsmith is an industry leader for coastal inundation modelling with her methods endorsed by Victorian Government.
50	The summary report should have been made available for a longer period before they voted on it.	3	The summary report did not include any new flood depth information beyond what was presented to the community and Council in November and December. Once Council had robust, peer reviewed evidence that existing residential land is at risk of flooding it is obligated to publish and act on that information.
51	Opening the Merri Mouth at Stingray Bay should be considered	2	Work in this area could be given further consideration, however anything done to allow more river flow to exit the estuary in this area also opens up the lower catchment to greater storm tide effects. Conversely work done to block storm tide effects will make it more difficult for riverine flood flows to exit the catchment. This area is also part of the Merri Marine Sanctuary so any work in this area will have significant environmental and cultural heritage consequences.
52	The decision to adopt the investigation should be deferred.	2	Unless a significant technical flaw is identified with the flood model, deferring the decision will allow more development to occur in locations that the model has shown to be unsafe. GHCMA: Deferring the adoption by Council will only delay planning controls, the information is already available to the CMA and insurance agencies through the Victorian Flood Database as it was partially funded by State Government.
53	Structural mitigation options should be decided upon before the investigation is adopted.	2	It will take many years to do feasibility studies on a variety of mitigations options, decide on options that have strong benefit-cost ratios, source funding, complete detailed design and construction. It is unlikely funding will be made available for any mitigation option which is based on a flood model that has not been adopted by Council. GHCMA: As above. Planning controls should be implemented now and can be repealed if flood mitigation is provided in the future.
54	Why does an increase in SLR of 0.4 m (from 0.8 to 1.2) not result in a 0.4 m increase in flood level everywhere (upstream of the ocean)?	1	VS: Due the nature of water flow through and over constrictions in the floodplain as it passes downstream (or upstream in a storm tide event) water levels downstream in the ocean do not directly correlate evenly across the floodplain.
55	The Oceanex access issue is not a body corporate issue.	1	Individual solutions may be required on a case by case basis for existing and future statutory permit applications where flooding is now a known issue. Council as the Responsible Authority is not responsible for providing or defining intended solutions, and rather must act as the assessor of these applications as they are made. It is possible there are many solutions for Oceanex access that will meet the requirements of the Planning and Environment Act.
56	Mitigation options at Rutledge's Cutting have been deliberately avoided.	6	Modifications to Rutledge's Cutting could be considered further. The obvious disadvantages are the environmental impacts on the Belfast Coastal Reserve, and intensive maintenance costs of constant sand removal. Proving the feasibility of keeping the cutting open, completing detailed design, securing funding, obtaining the required permits and approvals could take years. The current model emulates how the cutting behaves as it exists today. It should be used to implement planning controls now until mitigation options can be implemented over the coming years.
57	Council should not have allowed developments to occur in flood prone areas.	2	Prior to the publication of this investigation, the best available information were the 2007 flood investigations (South Warrnambool and Dennington). If developments were shown to be safe using those investigations, Council (and the CMA) had no legal/legislative grounds on which to deny permits for those developments.
58	The North Dennington Development Plan (NDDP) and the associated Development Contributions Plan (DCP) need to be amended now that the Net Developable Area has changed.	1	The approved North Dennington DCP was dated Nov/2014. The DCP clearly states that it should be reviewed after a period of 10 years. Regardless of this Flood Investigation the DCP is due for review in light of changed conditions over the last decade. That review will commence in the near future.
59	What will these changes mean for developers that have already paid DCP contributions?	1	This can be considered in the DCP review.
60	What are the implications for wetlands and paths in the NDDP?	1	The wetlands and paths were shown in the North Dennington DCP as being located within the floodplain as defined by the 1% AEP flood. As no detailed design on these paths or wetlands has commenced, they can still be designed in locations within the new 1% AEP, but high enough in the floodplain to keep the maintenance burden associated with regular flooding to a minimum.
61	How much developable area has been lost as a result of this flood investigation?	1	This can be considered in the DCP review.
62	Property owners should be reimbursed for their loss of property value.	2	There is a consistent line of reasoning established by the Victorian Civil and Administrative Tribunal confirming that property values are not a planning concern, and should not factor into planning decisions.
63	How will existing homes be protected from flooding?	2	This Flood Investigation has considered and analysed a variety of structural flood mitigation ideas, with 3 combinations of options being subject to a pre-feasibility analysis. In addition, a number of emergency access routes are currently being developed. Council is implementing a flood portal which will give all community members access to detailed flood information that will help them plan for flooding and make safe and effective decisions during a flood. Updated flood intelligence information has been produced for use by SES and other emergency managers which will help them protect life and property during floods. Over the coming years it is likely that Council will use the new flood model to test the effect of a variety of other structural mitigation ideas. Concepts that are demonstrated to be effective will proceed to detailed feasibility study, funding applications, permit applications, detailed design and construction.

64	What support will Council offer for landowners who experience financial difficulty as a consequence of the flood investigation?	1	Council is currently offering property owners of vacant lots rate relief, where the ability to build on those lots has been severely affected by the publication of the new flood mapping.
65	Is land-buy-back, at the land value before the investigation was published being considered by Council.	2	Council is working, and will continue to work, on a variety of flood mitigation actions. It is acknowledged that land buy-back schemes are being trialled in some severely flood affected parts of Australia where structural flood mitigation and flood resilient construction it is not economically viable. While future financial implications will be of concern for much of the community, the matter in question is limited to an assessment of the science informing the model.
66	What are the next steps in the project, including timeframes?	5	Once Council adopts the flood investigation, the City Strategy Unit can commence the work of applying to the Planning Minister to implement flood related planning controls (Flood Overlay, Land Subject to Inundation Overlay, Urban Flood Zone). The process has been outlined in the main Council report. GHCMA: If mitigation works are undertaken in the future to a satisfactory standard, planning controls can be repealed on the protected properties.
67	Why are some properties affected (by proposed overlays) even though they are not flooded?	2	A flood island occurs when land becomes completely surrounded by flood water. Although the land is not flooded, the flood creates a significant risk for people living there because they cannot evacuate, and emergency responders cannot get to them easily. For this reason, this land may be covered by a flood control so that any development on the land must consider how safe access will be achieved during a flood. GHCMA: As above, they may not experience direct inundation but they are impacted by floodwaters through loss of access/egress.
68	Why was 1.2 m SLR selected and not something higher?	1	For some time now State policy has been to plan for not less than 0.8 m of sea level rise. The State government has been on the verge of updating that policy for more than 2 years now. The expert project team believes the revised figure will be in the order of 1.2 m which has been adopted in our modelling. The recent Ministerial intervention in Port Fairy supports the appropriateness of that assumption, and the project team has argued that the local context in Port Fairy that led to that assumption is similar to the Warrnambool context and warrants the link.
69	Why not let people build where they want and let them accept the risks?	1	When natural disaster strikes, society expects emergency services to go to great personal risk to rescue people who have accepted the risk. Preventing building in Floodway Overlay, and ensuring that building within Land Subject to Inundation Overlay is flood resilient, are very cost effective ways of limiting the risks to emergency services and reducing the costs to all citizens. The debate between a libertarian society versus some amount of central control is outside the scope of this study; the scope is limited to the implementation of the best available scientific information to define appropriate development areas. GHCMA: As above. Landholders may also accept their current risk but without planning controls there is no existing mechanism to let potential buyers know of flood risk other than good faith.
70	When will mitigation works begin?	1	Some flood risk mitigation actions are complete (publication of flood mapping to the community, emergency access agreement with the Warrnambool Golf Club, production of flood intelligence outputs for emergency services). Some are in progress (implementation of flood portal, Warrnambool Foreshore emergency access, cut-fill balancing for the Ocenaex development). Other mitigation works require detailed feasibility studies, and will be subject to future assessment and funding feasibility.
71	What is the priority of mitigation works?	1	The emergency access path for Younger St through the golf club will probably require some upgrade for long-term sustainability but is functional now. Minor modifications are required to make the foreshore path functional as an emergency access path for the Stanley St area. The flood portal is expected to be operational in the coming months, pending Council adoption of the flood investigation. Other mitigation options require detailed feasibility study including benefit-cost calculation. Feasible options shown to be cost effective. Funding will be then sought to progress these options to detailed design and construction.
72	Can overlays be wound back when mitigation works are done?	1	If a structural mitigation option can be shown to protect property from flooding including projected climate change, it may be possible to alter overlays after the work is complete. That approach was taken in North Warrnambool but may be shown to be problematic when the North Warrnambool flood model is soon updated. GHCMA: Yes provided they are constructed to the appropriate flood level.
73	Will there be more consultation before the overlays are implemented? Will landholders be consulted individually?	1	Consultation will occur as part of the Planning Scheme Amendment process in line with the requirements of the Planning and Environment Act 1987.
74	How will the interim controls work?	1	After Council adopts the Investigation, the process of updating the planning scheme with controls that reflect the investigation is likely to take 12 months or more. To manage future flood risk it is important that, in the intervening period, development is not approved in flood prone areas without due consideration to flood risk. To mitigate that risk, Council proposes to place a temporary Land Subject To Inundation Overlay (LSIO) over all land shown to be at risk by this investigation in the 1% AEP flood including Climate Change to the year 2100. Land which is already covered by LSIO, Flood Overlay (FO) or Urban Flood Zone, would remain as they are in the interim period. This proposal is subject to the review and approval of the Minister for Planning. For any land covered by the interim LSIO, development proposals will need to be referred to the CMA to ensure the proposals adequately consider flood risk.
75	Has 1.2 m SLR been formally adopted in Port Fairy?	1	GHCMA: Yes as part of amendment C69moyn. While the planning panel initially recommended against the 1.2m SLR in favour of 0.8m SLR, the Minister for Planning overturned this decision and approved the 1.2m SLR. It is worth noting that the Vic benchmark of 0.8m by 2100 is being reviewed.

76	This investigation impacts on development potential.	2	This Investigation will prevent development occurring in areas where flood water may be dangerous. It will ensure that development that occurs where flood water may be present, but is not hazardous to safety, or where flood water cuts off safe escape/rescue routes, adequately addresses the flood risk. It is acknowledged this may reduce the amount of development which is permitted in the study area, however the obligations are equally clear and outlined in the Council report.
77	How long before the SLR and IRI changes are expected?	1	There is uncertainty on the exact year when SLR will reach 1.2m and when rainfall intensity will increase by 41% beyond the tabulated values that are currently used for flood modelling and stormwater design. What is known is that both greenhouse gas emissions and global temperatures continue to increase fairly rapidly, and that atmospheric and ocean systems take very long periods of time to 'turn around'. SLR and rainfall intensity are therefore likely to continue to increase beyond the year 2100.
78	Will a flood gate at Swinton St cause upstream houses to flood?	2	The Swinton St flood gate was tested in combination with significant excavation in the Kelly's Swamp / Saltwater Swamp area as it was known that would not cause any additional flooding of land upstream. The floodgate has not been tested in isolation (without swamp excavation) to see how many dwellings would be affected in that scenario. That option could be worthy of future testing to determine how many existing dwellings would be affected.
79	What is the difference between UFZ, LSIO & FO?	2	Urban Floodway Zone (UFZ) applies where flood water is deep and/or fast flowing such that it is dangerous to vulnerable individuals such as small children or the elderly. Building is prohibited in UFZ. Floodway Overlay (FO) is very similar to UFZ. It applies when flood depth and/or velocity are considered dangerous. Building is not generally allowed on land covered by FO. Land Subject to Inundation Overlay (LSIO) applies where flood water is relatively shallow and slow moving (low hazard). Building is generally permitted as long as certain flood safety/resilience conditions are met. LSIO can also be applied to flood islands, where the land is 'dry', but safe emergency access is a problem (flood islands).
80	What impact does the removal of the Bromfield Weir have?	1	The removal of the Bromfield Weir would impact flood water levels in the vicinity of the weir during small floods. However, in big floods, the structure was completely submerged such that the water level on either side of the structure is virtually the same. When funded, officers believe the revised modelling in this area is likely to confirm that the removal of the structure has negligible impact on large floods where the river breaks its banks. GHCMA: As above, the weir was overtopped before water levels exceeded the banks so would be of little consequence during a larger flood on flood levels in the larger floodplain. Any hydraulic impacts would be localised around the weirs location while it existed. The removal of the weir will have no impact on flood levels in this study.
81	What impact do the new wetlands at Wollaston Way and Riverside have?	1	With regard to the stormwater treatment sediment basins and wetlands that have recently been constructed for the Wollasaton Way and Riverside developments, that structure was tested as part of the design process. The design for the structure was input into the 2010 flood model (the best model available) and it was shown to cause no change to flood levels outside the immediate area of the basin (no impact on private property).
82	The continuing loss factors and fraction impervious for some zones are overly conservative.	1	VS: The continuing loss factors are derived by reconciliation with the at-site flood frequency quantiles for the Merri River at Woodford stream gauge. This approach is consistent with approach with the highest level of defensibility as per *Benchmarking ARR2019 for Victoria* (HARC 2020). The adopted fraction impervious values are consistent with standard values and account for the influence of Effective Impervious Area and Indirectly Connected Areas as per Australian Rainfall and Runoff. Regardless, the adopted fraction impervious values in the greater Warrnambool urban area will not influence the peak riverine flood levels as these flow originate in the upper catchment where no fraction impervious was used.
83	The selected SSP is overly conservative.	2	The SSP was specified by the CMA. Their reasons for this selection are detailed in their Recommended Global Warming Levels For Flood Risk Planning. VS: All studies we have recently completed / still completing are using RCP 8.5 / SSP 5.
84	The selected SLR is overly conservative.	1	For a number of years now the State Government's policy (Victorian Coastal Management Strategy) has been to plan for **not less than 0.8 m** of sea level rise by the year 2100. The State Government has committed to revising this policy in 2025. This revision has been expected since the early days of this project. Experts in the field expect that the revised minimum sea level rise to be planned for will be in the vicinity of 1.2 m. The recent decision by the Planning Minister to direct Moyne Shire Council to use 1.2 m in Port Fairy, only a few kilometres west of our study area, suggests that 1.2 m is appropriate. There is a significant chance that factors not yet allowed for in models, such as methane trapped under permafrost, and instability of the Antarctic ice sheet will have a significant impact on SLR. When these elements are included in future models, it is conceivable that we may experience more than 1.2 m of SLR by the year 2100. Although there is some uncertainty if we will reach 1.2 m of SLR by 2100, there is reasonable certainty that we will reach it eventually, and that it will continue to increase for many decades beyond 2100 due to the 'momentum' of climate and ocean systems.

85	The storm tide design event approach selected is overly conservative.	1	VS: The approach for estimating the magnitude of storm tide design events is not overly conservative. Storm tides are a combination of luna tide, storm surge and wave setup all of which must be accounted for.
86	The JPA approach was overly conservative.	1	VS: The approach to accounting for joint probability in the coastal zone was undertaken in line with Book 6, Chapter 5 of Australian Rainfall and Runoff. The adoption of the 20% AEP storm tide boundary does result in slightly conservative estimate of flood planning levels (95 mm) in the Climate Change 2 scenario. However, adopting the MHHW tide boundary would result in an underestimation of flood levels by 180 mm. It should be noted that those levels are in the Joint Probability Zone between MacDonald and Wellington Streets. Upstream of the old Dennington railway bridge the difference between the Climate Change 2 1% AEP event with the MHHW or 20% AEP coastal boundary levels is less than 50 mm.
87	The rating curve for storm events may have been skewed.	1	VS: It is unclear what this comment is referring to. See comments below around rating curve verification.
88	Just because 1.2 m of SLR was used in Port Fairy does not mean that it should be used for Warrnambool.	1	It is acknowledged that different parts of the globe will experience different degrees of SLR. However, Port Fairy is only about 10 km west of our study area. The project team is not aware of any peer reviewed research to suggest that SLR would vary across open-ocean coastal locations that close together. To give some idea of the scale over which SLR varies, there are only three Australian Baseline Sea Level Monitoring Program gauges across the entire state of Victoria (Portland, Lorne and Stoney Point). GHCMA: The adoption of 1.2m SLR in Port Fairy sets a precedent for coastal inundation in land use planning. The VPP benchmark of 0.8m SLR by 2100 is currently being reviewed using the latest climate science. As the Minister for Planning recently approved C69moyn based on 1.2m SLR it is reasonable to assume that this is a sufficient estimation of SLR for planning purposes.
89	Will 1.2 m be applied across the whole State?	1	The current Victorian Coastal Management Strategy applies a single minimum SLR value for planning purposes across the entire state. It is likely that the revised Strategy will do the same. GHCMA: As above noting that it is a minimum – there is nothing excluding higher levels for hazard planning.
90	Levee banks should be analysed.	1	Small localised treatments, such as levee banks, which protect closely spaced clusters of existing dwelling may indeed be shown to have good benefit-cost ratios and are worthy of further investigation. In terms of overall cost effectiveness in preventing future flood damage, they are unlikely to be as effective as the prevention of further development in areas we know to be flood prone. The implementation of planning controls is therefore a priority for Council. That is not to say that localised structural mitigation such as levees cannot be considered while planning controls are being implemented.
91	Impact on ratepayers' properties and lives should outweigh any impact on the wetland / swamp system.	1	Minimising the risk to life and property is obviously a high priority for Council. If a structural mitigation measure is shown by the flood model to have a good benefit-cost ratio, the environmental and cultural heritage impacts will also need to be considered and managed. Regardless of Warrnambool City Council's priorities, structural mitigation works will require permission from other stakeholders such as landowners, traditional owners, ParksVictoria, DEECA, the CMA, Moyne Shire Council, etc.. GHCMA: As above, there are many factors to consider including ensuring mitigation does not worsen flood impacts for others.
92	The results of the independent review should be made public.	1	This is possible, and contact can be made with the individual to provide. There have not been any other requests for this information to justify its wider distribution. GHCMA: agree – possible to collate and get parties to sign as an accurate representation.
93	Where did the 41% increased rainfall intensity come from?	8	Australian Rainfall and Runoff (AR&R) is published by Geoscience Australia and Engineers Australia. It is the national best practice guideline document used for the estimation of design flood characteristics in Australia. Book 1 – Chapter 6 of AR&R is titled Climate Change Considerations. This chapter specifies how flood models should account for climate change over various time horizons. In May of 2024, the project team was informed that a revision of this Chapter was under way and provided with a recent draft of the revised chapter. The figure of 41% is a direct output from Equation 1 in that draft. The final version of Chapter 6 was published at the end of August 2024 with a slight variation to one of the inputs (Global Mean Surface Temperature Projections) to Equation 1, such that ICI reduced from 41% to 37%. The independent expert model reviewer was consulted regarding the impact of the change. The reviewer was of the view that the subtle change would not have a material effect on the flood mapping, so the model has retained that parameter. GHCMA: As above. The 41% is based on the industry guidance at the time for a global warming level of 4.5°C corresponding to SSP5-8.5. The Climate Scenario SSP5-8.5 is the scenario Glenelg Hopkins CMA have adopted for flood risk management until a state position becomes available.
94	Applying flood controls works against solving the housing crisis.	2	Warrnambool City Council currently has residential land supply for in excess of 20 years of growth. It is possible the updating of flood controls in this study area, as well as possible future updates to the North Warrnambool flood controls may reduce that supply. There is now a reasonably established line of argument at VCAT confirming that risk mitigation including flooding 'outweighing' other factors such as housing supply cannot be examined as a simple dichotomy (e.g. *6C RAZ Pty Ltd v Frankston CC* [2024] VCAT 892 and *Doyle v Bass Coast SC* [2024] VCAT 895). It is possible to both appropriate plan for risk and hazard, and provide an adequate supply of housing.
95	Overlays should only be applied to future developments – not to existing lots/homes.	2	Overlays are already applied to existing lots and homes, where the requirement is to update the model from time to time to ensure that the best scientific information is being used. The selection of the timing of these updates will necessarily be to the disadvantage of some.

			GHCMA: It applies to all properties within the floodplain to moderate development within the floodplain. Without overlays on existing lots/homes, there is little control over development which will displace flood levels. Applying the overlays ensures that any future development, whether it be fencing, outbuildings or a replacement dwelling considers flood impacts to minimise risks to the property owners and others.
96	The process by which mitigation options were selected was flawed.	2	The process has been outlined in the report. Future mitigation options continue to be possible.
97	The financial impact on landowners needs to be carefully considered before deciding to implement planning controls.	1	It is acknowledged that there will be financial implications to some property owners as a result the implementation of revised flood-related planning controls. This must be weighed up against the costs of failing to identify prone land for both individuals and the broader community.
98	I don't believe flood levels will reach the extent shown by this study.	1	A great deal of attention has been given to: - commissioning a highly qualified and experienced modelling consultant to complete this work, - ensuring the most up-to-date data and guidance has been used in the model, - ensuring the model was reviewed by an independent 3rd part expert in the field. Flood level extent has relied on these important inputs. GHCMA: As above. It can be difficult to conceptualise until it happens.
99	When a mitigation option is shown to protect a property from the 1% AEP as defined by this study, that property should be excluded from planning controls.	2	No structural mitigation option has been demonstrated to be feasible at this point. It therefore cannot be assumed that any particular mitigation to protect any particular land will proceed. Once a structural mitigation option has been fully implemented, Council might then consider adjustments to overlays for dwellings which are protected by that structure. GHCMA: The CMA would support the repeal of planning controls only once mitigation has been finalised, management arrangements confirmed and modelling of the mitigation completed.
100	The Belfast Lough fed by the Moyne River also empties discharges at Rutledges Cutting and should be included in this analysis.	3	GHCMA: This primary focus of this investigation was the Merri River floodplain through South Warrnambool and Dennington, with Rutledge's Cutting being identified as an important hydrological consideration for discharge. Consideration of any discharge from Belfast Lough through interconnected coastal wetland systems would require a much larger model, incurring a much larger cost, support from Moyne Shire Council, and given it would result in an addition in water volume, would only increase levels more than the investigation has identified.
101	This study should consider the health and financial trauma created by the study.	5	It is possible this project is creating financial stress for some land owners in the study area. Financial stress, as well as the general stress created when people discover their home is at risk of flood, can also lead to health implications. However, the avoidance of that stress for some individuals in the study area would not justify Council to neglect its responsibilities as the Planning Authority for the study area.
102	Sonia Kilkenny should visit Warrnambool to see the effect of her decisions.	1	Council could make this request of the Planning Minister.
103	This study predicts how much the climate will change in 75 years' time. How much change has occurred over the last 75 years.	1	Refer to IPCC AR6. GHCMA: Yes - it uses climate projections and the principles of risk management to determine future flood hazards. The study report provides an indication of the increase in rainfall intensity we have seen since the 1961-1990 climate baseline in Table 4-3 in which rainfall intensity has increased by 12%. As above refer to the available climate science.
104	The model is an unproven estimate. It is irresponsible of Council to use it when it will cause so much suffering.	1	Refer to quote from Climate Change Act. Section 25, Clause (2): It is a guiding principle of this Act that a decision, policy, program or process should not rely on a lack of full scientific certainty as a reason to postpone appropriate measures to prevent serious or irreversible loss or damage as a result of climate change. GHCMA: The nature of flood estimation is that they are estimates, however they are calibrated and validated to events that have occurred where data does exist. The investigation has been conducted with the latest Australian Rainfall and Runoff guidance for flood estimation available at the time. While ARR does provide guidance, the guidelines are developed through industry experts, federal government departments (Geoscience Australia, Department of Environment, Bureau of Meteorology), endorsed by Engineers Australia and considered to be the gold standard for flood estimation across the industry. The Victorian Department of Energy, Environment and Climate Action (DEECA) have requirements of all State funded flood investigations to ensure that studies are completed to the highest standard, and GHCMA requires that flood investigations are reviewed by an industry expert that is not linked to the consultancy completing the investigation. This has all been met as part of this flood investigation.
105	Council should do another investigation.	1	This investigation has been completed using the best available date and the most current guidelines by a very competent expert consultant. All three levels of government have invested in the project over a timeframe of approximately 3 years. The process has involved extensive community consultation and the model has been thoroughly reviewed by an independent 3rd part expert. The project team is of the view that the model is as good as it can possibly be and meets or exceeds best practice. Completing another investigation would constitute a significant expenditure of public resources. GHCMA: As per previous response this investigation has been completed using industry best practice and peer reviewed by an external industry professional, including the floodplain management authority GHCMA. Another study is not needed.

106	The mapping needs to include new homes that have been built since this mapping was produced. Some of these homes may have above floor flooding too.	1	This can be considered in future detailed feasibility studies of mitigation works. It is not a justification for not adopting the current model. GHCMA: This may be the case. Floor levels are obtained based on information available to the consultant at the time of the study. Information can be updated as it becomes available.
107	House and road designs should not have been approved based on the 2007 study. Council and WCC are responsible for flood damage that occurs as a result.	1	When developers propose subdivisions, Council and the CMA must use the best available information to in deciding to approve those proposals. Between 2007 and late 2024, the 2007 flood studies were the best available. So Council had no choice but to assess those proposals based on the 2007 studies. GHCMA: Approvals are provided based on the best available flood information at the time. Prior to the mapping produced by this investigation, the best available flood intelligence for the South Warrnambool catchment was the 2007 South Warrnambool Flood Study.
108	Various Mervue levees should be considered.	1	The feasibility of various mitigation solutions can be investigated. The absence of certainty on any mitigation option does not justify accepting the flood model. An agreed flood model is required to assess any structural mitigation option.
109	Floodplain should be a no-go area for development.	1	In areas where flood water is dangerous, development is generally not permitted. GHCMA: This is a good idea in theory but there are many considerations at play. Many towns are built around rivers and along the coast and the floodplain can extend much further than the 1% AEP modelled which make it difficult to apply in practice. In areas which are considered greenfield (ie not developed) it is typically discouraged to develop within the floodplain, however in in fill areas (where lots and houses exist) consideration should be given to the direct risk at the site of development.
110	Flood resilience should include building construction, flood warning, emergency access, emergency equipment, accurate flood/rain measurement.	1	Council Officers agree. GHCMA: Agree. Planning controls are implemented to assist in flood appropriate development, products are produced from the investigation to aid emergency services and for forward planning, and gauges/warning is recommended so that future funding can be sought if available.
111	Swinton St Bridge constriction is a good idea because it is easy to undo if it creates unforeseen problems.	1	Detailed feasibility study of Swinton St bridge modifications is required but is a good candidate for further investigation. Creating a constriction at Swinton St without improving flow capacity through the swamp system could may result in increased flood risk upstream.
112	The area upstream of Cassady's Bridge needs further study.	1	Council has applied for funding for this work.
113	Council should be empathetic regarding insurance and property value, but these issues are not relevant to future planning.	1	Council officers agree. See Response No. 101.
114	RCP8.5 is too extreme.	1	GHCMA: This is the required climate pathway to be modelled for flood investigations within the Glenelg Hopkins CMA region. It is important that the upper climate pathways are considered in flood risk management to determine the worst case scenario.
115	The Flood Report does not quantify the impact of the 41% increase. By how much will flood levels increase? How often? How much extra water will flow into the catchment? How many times will high-intensity rainfalls occur between now and 2100?	1	GHCMA: Refer to the Modelling Report for quantifying the impacts of the increased rainfall intensity and how much flood levels will increase by. The 41% increase in rainfall intensity is applied to the 2100 scenario modelling of the 1% AEP flood event. The likelihood of a 1% AEP flood event occurring this year is 1%, and in 2100 it is 1%, however the difference is that in 2100 rain will fall with a greater intensity over the catchment resulting in increased runoff. Between now and 2100 there would be a factor up to 41% of increased rainfall intensity in each year, however we cannot provide estimations on how often these will occur as it is variable to climatic systems. The projected increase in intensity is based off historical observations across Australia and climate science.
116	Homes built today will not be around in 2100. They should not have to comply with a 2100 flood level.	1	Many homes built today will still be lived in relatively unchanged in 2100. There are many homes across the municipality today that are much older than 75 years. GHCMA: Once a property is legally developed it can lead to an 'existing use right'. While the existing homes may not be around in 75 years, the right for a home to exist on that property may. It is important that we plan for future generations.
117	Parameters change every time there is a new study, so how can we have confidence this study is right.	1	Refer to quote from Climate Change Act. GHCMA: There are many parameters involved, but essentially it comes down to advances in technology, modelling techniques, more flood events and more data capture. It also varies depending on the available climate science at the time. The study is 'right' in that it has been completed using best practice techniques and reviewed independently by an industry expert. Whether it proves to be right by 2100 is an unknown which is why it is important to be conservative in our climate estimations.
118	There is a lot of uncertainty about climate modelling. Not all previous climate predictions have happened.	2	Refer to quote from Climate Change Act.
119	We haven't had much rain at all in the last year. So how can we believe rainfall will increase by 41% by 2100?	1	Current climate science predicts that our region will experience more and longer periods of drought than have been experienced in the past centuries. They also predict that when it does rain, the rain will be more intense. This means that it will rain less often, but when we do get a storm, that storm will produce more rain than in the past. Those predictions compare well with what we have measured over the past two decades as well as right now.
120	The modelling has not followed a proper scientific process.	1	Refer to the modelling report for a thorough description of the rigorous scientific approach that has been followed.

121	Analysing and monitoring changes in extreme events is more difficult than for climatic averages because longer data sets with finer spatial and temporal resolutions are required.	1	Refer to quote from Climate Change Act.
122	Understanding of low-probability/high-impact events and the cumulative impacts of sequences of smaller events is generally limited	1	Refer to quote from Climate Change Act.
123	Effects of climate changes on human and some natural systems are difficult to determine due to adaptation and non-climatic influences	1	Refer to quote from Climate Change Act.
124	Difficulties remain in reliably attributing observed temperature changes to natural or human causes at smaller than continental scales	1	Refer to quote from Climate Change Act.
124	Models differ in their estimates of the strength of different climate system feedbacks, particularly those relating to clouds, oceanic heat uptake and the carbon cycle	1	Refer to quote from Climate Change Act.
126	Confidence in projections is higher for some variables (e.g. temperature) than for others (e.g. rainfall), and it is higher for broad-scale and long-term changes	1	Refer to quote from Climate Change Act.
127	Direct and indirect impacts of aerosol (fine atmospheric particles) on atmospheric temperature , clouds and rainfall remain uncertain	1	Refer to quote from Climate Change Act.
128	Future changes in the Greenland and Antarctic ice sheet mass are a major source of uncertainty that could increase sea level rise projections	1	It is agreed that uncertainty about these ice sheets could make sea level rise significantly worse than predicted. Uncertainty about large volumes of methane trapped within and under permafrost also means that climate change effects could be worse than current guidance suggests. For some time now State policy has been to plan for not less than 0.8 m of sea level rise. The State government has been on the verge of updating that policy for more than 2 years now. The expert project team believes the revised figure will be in the order of 1.2 m which has been adopted in our modelling. The recent Ministerial intervention in Port Fairy supports the appropriateness of that assumption.
129	Impact assessment is hampered by uncertainties surrounding regional projections of climate change, particularly rainfall.	1	Refer to quote from Climate Change Act.
130	Barriers, limits and costs of adaptation are not fully understood	1	Refer to quote from Climate Change Act.
131	Estimates of mitigation costs and potential depend on inherently uncertain assumptions about future socio-economic growth, technological change and consumption patterns.	1	The purpose of the mitigations options analysis was to provide an 'apple-to-apples' comparison of the three options analysed. This was so that it could be seen if there was a clear benefit-cost advantage to pursuing one of these options. At this very early conceptual stage, the cost estimation method cannot be expected to be very accurate. It is more important to ensure consistency in estimation method when comparing various options for the purpose of selecting one or more for more detailed future work. The cost estimation methods used in this work are industry standard.
132	We cannot be completely certain of the accuracy of the study.	2	Refer to AR&R and the Climate Change Act.
133	Building permits, planning permits and titles should not have been given while this project was under way.	3	See response No. 107.
134	Residents should be given a face-to-face public forum for affected residents to have their say to Councillors.	1	A number of public forums were provided. Councillor contact information is publically available.
135	We were not notified of the project.	1	Refer to description of the consultation that occurred. It must be acknowledged that individuals who did not own or occupy land in the study area were not individually notified, but could still have found out about the project via notifications in the paper, on social media and Council's website.
136	For those who require insurance for a mortgage, that mortgage is at risk as a result of this project.	3	See response No. 101.
137	The 1% AEP flood should not be used to define flood related planning controls.	2	The Planning Policy Framework dictates the 1% AEP must be used for this purpose. GHCMA: As above this is the requirement of the VPP.
138	South warrnambool might never flood to the extent shown.	1	It came quite close in 1946. Based on our current climate (not 2100) modelling the flood we experienced in 2020, that sized flood event is expected to have an average recurrence interval (ARI) of 18 years. The 2007 model predicted that even would have an ARI of 100 years.
139	Interim controls should not be implemented.	1	See the previous Council report regarding the risk associated with allowing unsafe development to proceed without considering flood risk in the lengthy period while the PS is being amended.
140	Climate trajectories should not be prioritised over Warrnambool's housing market.	1	Adopting this flood model may have some impact on the housing market. Choosing not to adopt the model, and hence choosing to allow housing to develop on land we know to be unsafe will also have far-reaching impacts that also need to be considered.
141	This study will paralyse development and deter future investment.	1	See No. 140.
142	This study will have an impact on Council's finances through reduced rates as a result of falling property value.	1	Adopting this flood model will have some impact on Council's rate base. Choosing to ignore flood risk is going to have a very significant impact on Council's future budget as well. When future floods do occur, Council is likely to face legal claims that it failed to notify or protect people from

			the known risk. If government continues to allow development on unsafe land, all levels of government, and hence all taxpayers will bear extra costs associated with rescue, clean-up and re-building.
143	This flood investigation should never have been allowed to start.	1	As previously outlined, Council as the responsible authority is required to conduct flood studies.
144	The correspondence to owners and occupiers have been ignored because they were not individually addressed to a specific person.	1	Refer to the previous Council report for the detailed description of the extensive community consultation which has occurred. It is acknowledged that we may be able to improve our processes such that future correspondence is individually addressed, as it is for rates notices. Notwithstanding, it is clear from all the community members that have engaged with us throughout the project that our correspondence was not widely ignored.
145	North Warrnambool residents should be notified of the pending flood study for that area.	1	Once funding for the North Warrnambool Flood Investigation is obtained from State/Federal Government (currently under application), community consultation can commence with North Warrnambool residents.
146	The data on which these studies are based changes frequently and is not adopted as law and is not 100% accurate.	1	Refer to quote from Climate Action Act (previously Climate Change Act).
147	The existing golf course track needs to be reinforced for heavy use by emergency vehicles.	1	The existing track is functional now. Further investigation work is required to determine the extent of additional work required to ensure the track can withstand longer-term use.
148	Oceanex emergency access options need guidelines and testing.	1	Individual solutions may be required on a case by case basis for existing and future statutory permit applications where flooding is now a known issue. Council as the Responsible Authority is not responsible for providing or defining intended solutions, and rather must act as the assessor of these applications as they are made. It is possible there are many solutions for Oceanex access that will meet the requirements of the Planning and Environment Act.
149	Some of the mitigation options being considered are ill advised and a waste of time and resources.	2	Regardless of if an option has been raised previously and not selected for pre-feasibility analysis, was selected for pre-feasibility analysis, was proposed in this round of consultation or is yet to be proposed, any option will require detailed feasibility before it can proceed. No options are off-the-table at this very early stage in mitigation consideration. We cannot do detailed feasibility study of any option before we have an agreed flood model.
150	GHCMA should be attending meetings with Oceanex land owners.	1	GHCMA: GHCMA has met with the developer to discuss potential solutions.
151	Council and GHCMA have been negligent in commencing this investigation without understanding the impacts on residents, developers and land owners.	1	Refer to the Planning Scheme for the Planning Authority's responsibilities to understand and consider flood risk. Complying, or not complying, with these responsibilities has financial, social, and environmental consequences.
152	More effort is required to avert/minimise the impact of flood damage.	1	Once the model has been accepted, it can be used to conduct more detailed work on assessing the benefits and costs of various mitigation options.
153	The rainfall measurements/inputs are not accurate.	2	Refer to the Modelling report for a detailed description of how rainfall data was selected for input into the models.
154	All project outputs should be made public.	2	The Summary Report has been circulated. Specific supporting material used to develop the report can be made available on request.
155	Response to enquiries and submissions has been inadequate.	1	While the quantity or quality of responses could be inadequate, officers have attempted to respond to each and every enquiry where possible.
156	The community should be more involved in the decision making process.	1	There are some responsibilities that a Planning Authority is obligated to exercise regardless of community opinion. Identifying and managing flood risk is one of them. With that in mind, community consultation has occurred in line with the original expectations of the project.
157	There should be further community consultation after the 2/Jun meeting.	1	Refer to the Previous Council Report for a summary of the community consultation which must occur prior to any Planning Scheme amendment.
158	Streamology are not independent because they authored two of the documents referred to in the investigation.	1	Streamology are a leading authority on estuarine flood modelling, and as such have written some of the State's guidance on the field. It is our belief that they have serves as a competent and unbiased reviewer.
159	BCR should include Intangible Costs.	1	See No. 131. The cost estimation methods used in this work are industry standard.
160	A BCR should be calculated for the Planning Controls as a mitigation option.	1	See No. 131. The cost estimation methods used in this work are industry standard.
161	The study should be updated to AR&R V.4.2.	1	The independent expert reviewer is of the opinion that it would have no significant impact on flood mapping.
162	Has the reporting from the Inquiry into State Preparedness and Response to the October 2022 Floods influenced the work of this investigation?	1	VS: The reporting from the Inquiry into State Preparedness and Response to the October 2022 Floods was not explicitly considered in the Investigation as the report was not released until July 2024 and was not focused on the technical aspects of flood studies. However, it should be noted that approach adopted for the allowance for climate change in the planning amendments is consistent with Recommendations 18 and 19 of the inquiry.
163	Council should stay with the 2007 flood line for and build structural mitigation to prevent flooding higher than that level.	1	It is not possible to construct structural mitigation to provide this level of protection without causing severe flooding to other residential properties.
164	Some properties are shown in yellow on the mapping as 'Flooded Property' even though they are not.	1	This was an error and has now been addressed.
165	The lowering of the high point between the swamps is not necessary because this high point overtops in the big floods.	1	The analysis to date suggests that doing the work in the swamps will allow a constriction at Swinton St without increasing flood risk to residential properties upstream. Further work would be required to determine the extent of damage if the swamp work was not done. There is a possibility that the level of damage may be acceptable, but we can't know until the model is accepted and funds for further investigation are obtained.
166	Mitigation options should be modelled against the 2100 climate rather the current climate.	1	That is recommended to occur as part of future detailed feasibility studies.
167	The track to the quarry should be raised rather than raising Swinton St (Mitigation Options 1 & 5).	1	This can be investigated in more should further detailed feasibility study of a Swinton St constriction be funded.

168	Communications about the 'Project Manager' have been ambiguous.	1	It is not clear what impact this would have on the outcome.
169	The flood mapping should have been approved by the whole PRG before it was published.	1	Consultation with the Project Reference Group was conducted in line with the expectations of the project plan. Council officers can take this commentary on board for future projects, however it is believed that input from consultation from many parties has occurred over the life of the project.
170	The flood mapping should not be used by the CMA before it has been adopted by Council.	1	GHCMA: As the Floodplain Management Authority, GHCMA must use the best available flood intelligence in our assessments. Flood investigations such as this one which have been jointly funded by the Victorian Government are uploaded into the Victorian Flood Database (VFD) upon completion as per funding contracts. All flood investigations undertaken with Victorian Government funding must be completed to current best industry standards and have specific outputs that must be produced. As this investigation is now complete and uploaded into the VFD and completed to the necessary standards, it is considered the best available information.
171	Council should commission another expert to redo the investigation and advise on mitigation.	1	See similar response above.
172	Council should seek clarification from the Premier regarding the declaration of formal Government Policy in relation to allowing for climate change in Planning matters.	1	Council has advocated for increased clarity from the State government.
173	FFA overestimates flood flows.	1	VS: The purpose of a rating curve verification is not to make the hydraulic model match the measured data for the purpose of extending the rating curve. It is to verify the measured data and where justified re-rate the rating the rating. As described in Section 3.1 of the Flood Modelling report several issues were identified with the gaugings. Prior to adopting the hydraulic model results for re-rating several checks were made including: • Survey of the gauge zero level and the bridge • Testing of several model iterations mainly focused on surface roughness to attempt to match the high flow ratings • Comparison to recoded levels in the 2001 and 2010 events at Bromfield Weir as described below • Comparison to the 1946 event flood photography based on surveyed levels It is unclear why if the TUFLOW model does reproduce gauge levels below 3.1 m it "*indicates that the underlying model assumptions with regard to roughness may be flawed*" where it would appear to show that it does confirm the adopted roughness values (at-lower stages). No attempt to match flows at the Bromfield Weir gauge was made as details of the rating curve are not available. That is why a comparison to recorded levels was made as an additional check in light of the difference in the hydraulic model and published rating curve at Woodford. As this was only a check for high (flood) water levels at Bromfield Weir the performance of low flow representation including baseflow was not considered to add benefit. The differences in flow between the 1978 and 2001 event are results of the re-rating not an error. At Woodford the 2001 flood event had a peak water level of 7.743 which is higher than the 1978 level of 7.404 with estimated flows been in reverse order. This is a consequence of the different ratings used during each event to derive the flow estimates. As there does not appear to have been a shift in the gauge datum during this period or a significant change in the floodplain it was concluded (in the absence of details of the gauging methods) that this is most likely due to difference in flow estimation techniques. We do not believe that the FFA sensitivity testing undertaken in Best-FIT is necessarily representative because: • There is no evidence that that event slightly larger than the 2020 event (450 m3/s) didn't occur between 1870 and 1946 • It cannot be assumed that because the 1946 event has an estimated magnitude of 1 in 300 AEP that no events between 1870 and 1700 were greater • The tests with the flow estimates prior to re-rating cannot be compared to an FFA undertaken with re-rated flows Section 3.2.5 of the flood modelling report presents a sensitivity test of the adopted FFA fit.
174	The re-rating and FFA analysis excludes previous North Warrnambool analysis that showed good matches to 1978 and 2000 flood levels.	1	VS: Consideration was given to previous South Warrnambool, Dennington and North Warrnambool Flood Studies in the parameters for both the RORB and TUFLOW models with a few notes: • As stated in the reported the previous South Warrnambool and North Warrnambool studies did not included calibration of the RORB model to recorded flows at Woodford (or other stream gauges) • In comparison of the surveyed flood marks and modelled flood levels of the 2020 event to the mapping produced in the previous flood studies the magnitude of the 2020 event would be estimated to be approximately a 1 in 100 AEP from the South Warrnambool and Dennington Studies (Figure 8-2 of the Flood Modelling Report) and between a 1 in 50 and 1 in 100 AEP from the North Warrnambool study. Based on the amount of rainfall that occurred in 2020 this would appear to be an overestimation.

175	The re-rating and FFA outputs leads to the selection of unrealistic parameter choices to achieve good hydrological calibration.	1	VS: I do not think that the comments are suggesting that specifically the calibration parameters are unrealistic for the 2020 event given the fit achieved, rather they are an outcome of the flow re-rating as addressed in Comment 173.
176	Hydrologic model is only calibrated to one real event – not sufficient to achieve certainty in losses or kc.	1	VS: The scope of works included for two riverine calibration/validation events. Given the importance placed on quantifying the 1946 for the FFA and in describing the magnitude of flooding to the community the project team determined that the 1946 event would be the second in place of a more recent event for calibration at the Merri River at Woodford stream gauge.
177	Continuing loss of 0.3 mm/h is well outside the normal range. This casts doubt on the Woodford rerating.	1	VS: This is why additional checks were undertaken on the Woodford re-rating and sensitivity testing of the FFA fit as described in Comment 173.

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16 May 2025

Andrew Mason
Chief Executive Officer
Warrnambool City Council
PO Box 198
Warrnambool 3280

Dear Andrew,

Submission in support of the South Warrnambool and Dennington Flood Investigation

We write to congratulate Warrnambool City in completing the above investigation and the comprehensive engagement that has been undertaken in the community that has been affected in this area. The successful conclusion of the South Warrnambool and Dennington flood investigation is a significant step forward in our preparedness. Glenelg Hopkins Catchment Management Authority (GHCMA) commends the City Council for their thorough work in this process. Your commitment to proactive flood management and your proactive approach to ensuring community safety are deeply appreciated. We can now move forward with greater confidence in our ability to protect our community from, and reduce the impacts of, future flooding events.

Flooding remains the costliest natural hazard faced by Australia even though it is one of the most predictable. Many individuals and communities are vulnerable to floods of various kinds and origins, and the challenge to increase personal and community resilience to the flood hazard is on-going.

The Victorian Flood Management Strategy (VFMS) identifies flood mapping as a key activity to understand and evaluate risks to local communities. A key task of a detailed flood study is to examine whether existing planning schemes, flood mitigation infrastructure, municipal flood emergency plans and total flood warning systems match local flood risks. LGAs have accountability for implementation and maintenance of these measures with this being covered more than adequately for South Warrnambool and Dennington through the outputs of these investigations.

Following the completion of these investigations we understand that there has been widespread community concern around the outputs and Council made the decision to extend community consultation prior to formally adopting the study at a Council level. GHCMA staff have been helping your staff in evaluating the extended submissions that have been received at Council with our advice and comments provided across a range of queries and concerns.

Throughout this process, it is our understanding that there is some confusion among the Councillors around where responsibilities lie in floodplain management space between GHCMA and Council. Ultimately the VFMS outlines the responsibilities of LGAs to complete flood investigations, incorporate flood intelligence into planning schemes and to conduct mitigation works as a beneficiary. A summary of policies and accountabilities has been tabulated in Attachment 1 providing an overview of LGA responsibilities.

The VFMS also details the standards required for flood investigations including the needs across sectors and communities that are to be met, minimum mapping and intelligence outputs to be produced, and minimum requirements expected of the project consultant such as quality assurance and utilising best practice methodology as per the Australian Rainfall and Runoff guidelines. This ensures that all flood investigations which are jointly funded by State or Federal Government bodies meet stringent criteria to be considered the best available flood intelligence upon completion. On completion, data is uploaded to the Victorian Flood Database aligning with Policy 12b of the VFMS. Glenelg Hopkins CMA takes the reliability of flood modelling a step further by ensuring an

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independent consultant is engaged to review the study methodology and models before the full suite of outputs are to be delivered. As the South Warrnambool and Dennington Flood Investigations have met the criteria stipulated, they have been uploaded into the Victorian Flood Database which is accessed by the Insurance Council of Australia and used by Glenelg Hopkins CMA for planning purposes.

Policy 13c of the VFMS states that LGAs that have areas at risk of 1% AEP flooding must ensure that their planning scheme includes this information. As previously mentioned, the outputs of a flood investigation are considered to be the best available flood intelligence according to the State Government criteria and to the relevant CMA as the floodplain management authority, and failing to act to implement this information into the relevant planning scheme can ultimately have devastating impacts.

We note that mitigation options have been widely raised by the community in their submissions to Council. While structural mitigation options can be effective, they do not replace the need for flood controls **now**. Any form of mitigation is not providing protection to properties until completed and the level of protection has been demonstrated and considered effective. While the investigation identified potential mitigation options and if they are cost beneficial, all options would require a detailed analysis, detailed design, committed funding, construction, and post works survey and / or modelling to confirm it is constructed to design specifications. If planning controls are not implemented prior to this work being completed it can result in development within the floodplain without any consideration of its impact and increased flood damages and risk to safety as a result.

The planning scheme process is an effective process to ensure that development within the floodplain is considerate of the appropriate level of hazard. It does not exclude all development from occurring within the floodplain but simply provides application requirements (for Floodway Overlay) and a trigger for a referral for the risk to be assessed by the floodplain management authority. This may result in recommended conditions from the CMA, or refusal to support a planning permit but the ultimate decision lies with Council.

We understand that there is some unease in the community around the influence of Rutledges Cutting and the flood impacts that may occur if the estuary mouth is closed during a flood event. The impact of this has been modelled by Venant as part of the project and found that it is highly likely that any berm will be scoured and breached before it can have any impact on flood levels within a 1% AEP event. There are emergency protocols in place for Artificial River Mouth Openings (ARMO) allowing for the typical process to be bypassed in an emergency, however the logistics of this occurring are dependent on factors outside of our control. Whether or not an ARMO can occur is dependent on lead forecast time, machinery availability, access to the cutting is not inundated already, and that conditions such as ocean swells are not making it unsafe to do so.

Glenelg Hopkins CMA intends to develop a Frequently Asked Questions (FAQ) sheet to answer common questions that come up during every flood investigation such as those centred around how property values and insurance costs will be affected, and why we need to undertake modelling and subsequently why they should be implemented into the planning scheme,
We hope that the above information has alleviated some of the Councils concerns and encourage that the South Warrnambool and Dennington Flood Investigation's adoption by Council. We would be happy to provide support to Council in progressing a planning scheme amendment to introduce flood related planning controls into the Warrnambool Planning Scheme.

In addition to the above, the VFMS outlines the responsibilities for flood mitigation infrastructure as follows:

State Level

- **Department of Environment, Energy and Climate Action (DEECA)**: Sets the framework for assessing regional flood risks, determines statewide priorities, and contributes funding based on regional risk assessments.

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- **Catchment Management Authorities (CMAs)** and **Melbourne Water**: Provide technical support and lead the preparation of flood studies outside the Melbourne Water area.

Regional Level

- **CMAs**: Manage regional floodplain management priorities and support LGAs in developing local flood studies.
- **Melbourne Water**: Works in partnership with Local Government Authorities (LGAs) within its region.

Local Level

- **Local Government Authorities (LGAs)**: Identify appropriate flood responses based on risk, lead the preparation of flood studies, and are responsible for the ongoing maintenance and management of flood mitigation infrastructure.

Funding and Maintenance

- **Capital Costs**: Shared between the Australian Government, Victorian Government, and LGAs.
- **Ongoing Maintenance**: Funded by beneficiaries through relevant LGAs, with third-party auditing to ensure infrastructure is maintained to design standards.

Specific Roles

- **DEECA**: Provides guidelines and assistance for developing and implementing Water Management Schemes.
- **LGAs**: Lead processes to determine and implement new flood mitigation infrastructure and maintain existing infrastructure under formal management arrangements.
- **CMAs**: Support LGAs in these processes and provide technical expertise.

This collaborative approach ensures that flood mitigation infrastructure is effectively managed and maintained across Victoria.

Yours sincerely

[redacted]

Chief Executive Officer
Glenelg Hopkins Catchment Management Authority

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Attachment 1 - Victorian Floodplain Management Strategy - Summary of Policies and Accountabilities

VFMS Item	Description as per VFMS
Policy 10a	The Victorian Government will apply mapping standards for all future flood maps included in Victoria's flood databases. Future flood maps will be designed to meet the needs of land use planning, flood emergency planning, Aboriginal cultural heritage considerations, insurance assessments and the declaration of minor, moderate and major flood warnings where those flood class levels have been defined.
Policy 11a	All flood studies will, unless there are compelling reasons to the contrary, include the following outputs: - draft Planning Scheme Amendments - preferred elements for a Total Flood Warning System - preferred options for flood mitigation measures - drafts of the relevant components of the Municipal Flood Emergency Plan.
Policy 12b	DEECA will ensure that all new flood maps for urban and regional areas prepared with government financial assistance will: - meet the needs of a range of uses, including land use planning, insurance and emergency response - be developed in consultation with local communities to make use of local knowledge in conjunction with flood studies - be informed by the most recent edition of Australian Rainfall and Runoff - be of sufficient quality for inclusion in Municipal Planning Schemes - take account, as relevant, the State Planning Policy Framework (Section 13.2.1) strategies, including "to plan for and manage the potential coastal impacts of climate change" (Section 15.4.2) - be quality assured - be stored in Victoria's flood databases.
Policy 13c	LGAs with areas at risk of a 1% Annual Exceedance Probability flood must ensure that their Planning Scheme contains: - the objectives and strategies for managing the risk in the Municipal Strategic Statement - the appropriate zone and overlays.
Accountability 13a	LGAs are accountable for ensuring that their Planning Schemes correctly identify the areas at risk of a 1% Annual Exceedance Probability flood and contain the appropriate objectives and strategies to guide decisions in exercising land use controls in regard to flooding.
Policy 15b	LGAs with areas at risk of coastal flooding must ensure that their Planning Scheme contains: - the objectives and strategies for managing the risk in the Municipal Strategic Statement - the appropriate zones and overlays.
Accountability 15b	LGAs are accountable for ensuring that their Planning Schemes correctly identify the areas at risk of coastal flooding and contain the appropriate objectives and strategies to guide decisions in exercising land use controls relating to flooding.
Policy 15d	All flood studies for coastal areas will, unless there are compelling reasons to the contrary, include the following outputs:

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	- draft Planning Scheme Amendments - preferred elements for a Total Flood Warning System - drafts of the relevant components of the Municipal Flood Emergency Plan.
Policy 16a	Where a flood study or a regional floodplain management strategy outside Melbourne Water's region identifies the need for a TFWS and that service has community support, the capital costs of new rain or stream monitoring gauges will be shared between the Victorian and Australian Governments. The local community, through its LGA, will fund ongoing maintenance costs for the gauges.
Policy 17a	- All new large-scale flood mitigation infrastructure outside Melbourne Water's region will be implemented as Water Management Schemes under the *Water Act 1989*. - The costs of designing and constructing new large-scale flood mitigation infrastructure that meets the government investment criteria will be shared equally between the Australian and Victorian Governments and the relevant LGAs. - The maintenance and management of new flood mitigation infrastructure under formal arrangements will be funded by beneficiaries (through relevant LGAs) and will be subject to third-party auditing arrangements to ensure it continues to be maintained.
Accountability 17a	LGAs (outside Melbourne Water's region) are accountable for: - leading the processes to determine and implement new flood mitigation infrastructure, through flood studies and Water Management Schemes - the ongoing maintenance and management of new infrastructure through flood studies and Water Management Schemes. CMAs are accountable for: - supporting LGAs to lead the processes to determine and implement, through flood studies and Water Management Schemes (where appropriate), the assessment of new flood mitigation infrastructure.
Policy 18b	Where flood studies demonstrate that flood risks can be materially reduced by large-scale flood mitigation activities on waterways, individuals or LGAs may be able to carry out those activities subject to authorisation granted by the CMAs or Melbourne Water. - If a waterway is to be modified or an activity undertaken on or adjacent to a waterway for flood mitigation purposes, and these activities are to be implemented as Water Management Schemes, the relevant LGA will be responsible for undertaking the activity/work (in compliance with any relevant conditions) and for all ongoing maintenance. - Large-scale flood mitigation activities or works on waterways must be demonstrated, through a flood study, to be cost effective, i.e. have demonstrable benefits in terms of reduced average annual damage (AAD) that are greater than any costs to waterway health.
Policy 18c	- Unless they are formally exempt, individuals or groups of landholders, infrastructure managers, LGAs or other authorities proposing small-scale activities on waterways must obtain authorisation from the relevant CMA or Melbourne Water. - When determining whether to grant authorisation for proposed activities, the relevant CMA or Melbourne Water must consider potential risks to waterway health. The CMA or Melbourne Water may require the proponent to undertake alternative activities to minimise any risks.

www.warrnambool.vic.gov.au

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City Sustainability – Caring for our natural environment by promoting energy efficiency, best practice circular economy and embracing new technology.

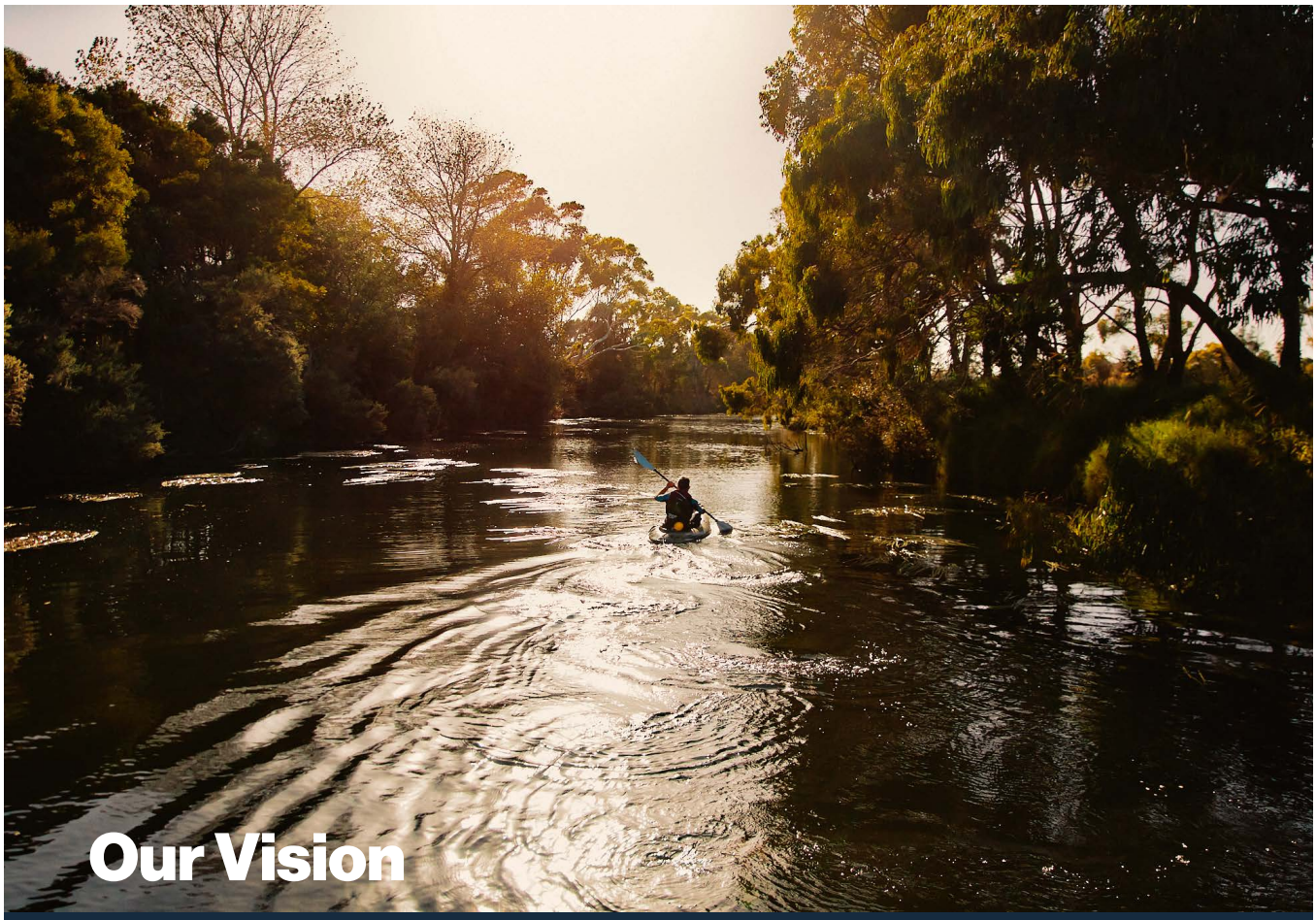
City Wellbeing – Working to enable everyone at every stage of life to participate in welcoming and inclusive environments which foster learning connection health and wellbeing.

City Leadership – We will advocate for our community, operate efficiently, maintain sound governance, care for our team, and embrace a rapidly changing technological landscape.

Acknowledgement of Country

Council acknowledges the Peek Whurrong and Kirrae Whurrung Peoples of the Maar Nation, their land, waterways and skies within the Warrnambool municipality.

We pay our respects to their Elders past and present.



Our Vision

We are a thriving regional leader, rich in opportunities and committed to fostering a sustainable and inclusive lifestyle.

Our organisational values

Accountability	Collaboration	Respect	Wellbeing	Progressiveness

The Council Plan

All Victorian councils must prepare and adopt a four-year Council Plan by October 31 in the year following a general election.

The Council Plan must describe the strategic direction of the Council.

It must also contain:

- strategic objectives for achieving the strategic direction,
- strategies for achieving the objectives for at least the next four financial years,
- strategic indicators for monitoring achievement of the objectives, and,
- a description of the Council's initiatives and priorities for services, infrastructure and amenity.

An Annual Action Plan accompanies the Council Plan and it is through this annual plan that Council will measure its achievement of the Council Plan objectives.

About Warrnambool City Council

The municipality of Warrnambool covers 120sqkm in Victoria's South West.

It includes the city of Warrnambool and townships of Allansford, Bushfield and Woodford.

It has annual population growth of about one per cent, a population of 36,000 and is the most populous city in the South West. Warrnambool is the major regional centre for health care, education, professional services and sport and culture.

Warrnambool's economy generates output of some $5.9 billion accounting for about 23.9 per cent of the Great South Coast region's economic output from less than one per cent of the land area. There are 18,518 jobs in Warrnambool and the following six sectors account for over two-thirds of employees whose place of work is located within Warrnambool:

- healthcare and social assistance;
- retail trade;
- education and training;
- construction and manufacturing; and,
- accommodation and food services.

The construction industry makes the greatest contribution to economic output in the region, which at $909.5 million accounts for 15.41 per cent of total output.

Warrnambool is a popular and expanding tourism destination and the sector supports 1,468 jobs.

Property and business services, government administration and construction are also key growth sectors.

Our Councillors

The Warrnambool community is represented by seven Councillors from seven wards.

The role of the Council is to provide good governance for the benefit and wellbeing of the community.

This includes setting the strategic direction of the Council and making decisions in the best interests of the community.

Cr Debbie Arnott
Central Ward

Cr Willy Benter
Hopkins River Ward

Cr Ben Blain
Russells Creek Ward

Cr Billy Edis
Botanic Ward

Cr Vicki Jellie
Platypus Park Ward

Cr Matt Walsh
Pertobe Ward

Cr Richard Ziegeler
Wollaston Ward

City Futures

Activating a vibrant, liveable and safe city through enhancing outcomes for all.

Our City Futures strategies
Our City activates and promotes local culture and art.
Our City puts public health and safety as a priority.
Our City plans for sustainable growth while accommodating a changing climate.
Our City will continue to advocate for improvements to planning frameworks for growth area developments including Development Contribution Plans.
Our City is activated to be attractive to residents and visitors.
Our City will be a sought-after destination for visitors.
Our City encourages workforce attraction and development.
Our City encourages business growth and development.
Our City will create an environment that accelerates delivery of housing across all forms.
Our City supports learning and recognises the importance of tertiary and vocational learning institutions including Deakin University and the South West TAFE.
Our City will support and grow industries that will bring employment and prosperity to the region.
Our City celebrates iconic events and attractions that are part of our identity and visitor economy including speedway racing, the May Racing Carnival and our foreshore and beach.

City Infrastructure

Renewal and maintenance of Council's infrastructure while balancing the needs of our growing city through sound asset management.

Our City Infrastructure strategies
Our City will prioritise maintaining and renewing existing infrastructure.
Our City will have appropriate open space infrastructure to meet the needs of our growing community.
Our City will plan for and improve the municipal drainage network to cope with the changing environment.
Our City neighbourhoods will have a well-connected network of footpaths.
Our City's road network will be maintained to a safe and high-quality standard.
Our City will pursue efficiencies in maintaining and renewing Council buildings by improving heating and cooling systems and through energy-efficient lighting.
Our City values and implements sound Strategy Asset Management with consideration to assets and the retirement and consolidation of assets.
Our City will continue to improve pedestrian, cycling and vehicle movement.
Our City will focus on playspaces as a key feature of local neighbourhoods.
Our City's public spaces will be maintained to a high standard.
Our City will advocate for renewal and upgrade of arterial roads and for improved rail services.
Our City will ensure the regional airport continues to operate as a base for emergency air transport and as a destination for business and recreational aircraft.

City Sustainability

Caring for our natural environment by promoting energy efficiency, best practice circular economy and embracing new technology.

Our City Sustainability strategies
Our City will pursue efficiencies in our waste management system.
Our City will use water wisely.
Our City is committed to reducing its carbon footprint.
Our City will monitor and manage pest animals and plants on land owned and/or managed by Council.
Our City will advocate for accessible and sustainable public transport.
Our City will collaborate with other agencies to achieve positive environmental outcomes.
Our City will take measures to limit the impact of climate change.
Our City will implement biodiversity improvement and revegetation outcomes.
Our City's animal shelter will be a place of refuge for lost, surrendered and abandoned animals.
Our City will advocate for support to manage our coastal areas effectively.

City Wellbeing

Working to enable everyone at every stage of life to participate in welcoming and inclusive environments which foster learning, connection, health and wellbeing.

Our City Wellbeing strategies
Our liveable City promotes access to housing, places and activity for all.
Our City encourages opportunities for innovation and creativity, increasing community connectedness.
Our active City provides recreational opportunities for people of all ages and abilities.
Our inclusive and diverse City is welcoming to all.
Our City provides learning pathways and opportunities for education and development.
Our nurturing city supports growth and development through high quality service delivery.

City Leadership

We will advocate for our community and region, operate efficiently, maintain sound governance, care for our team, and embrace a rapidly changing technological landscape.

Our City Leadership strategies
Our City pursues technology and innovation for community benefit.
Our City will use Artificial Intelligence (AI) software to gain operational efficiencies.
Our City is a leader in the South West region.
Our City manages financial resources sustainably.
Our City promotes organisational culture and performance.
Our City will advocate strongly for our community and our region.
Our City is committed to sound governance, transparent decision-making and operating with integrity.
Our City will foster an informed community, enhance the customer experience and engage with the community to help inform key decisions, plans and policies.
Our City considers strategic risk in its decision making and is committed to providing safe environments where people can thrive.
Our City will review the community vision, Warrnambool 2040.
Our City will advocate for important needs including an upgrade of the aquatic centre, a community hub at Brierly Recreation Reserve, a new art gallery and affordable housing.

Delivering the Council Plan

The Council Plan is accompanied by a separate document, the Annual Action Plan, which describes the actions and initiatives Council will undertake over the course of a single financial year.

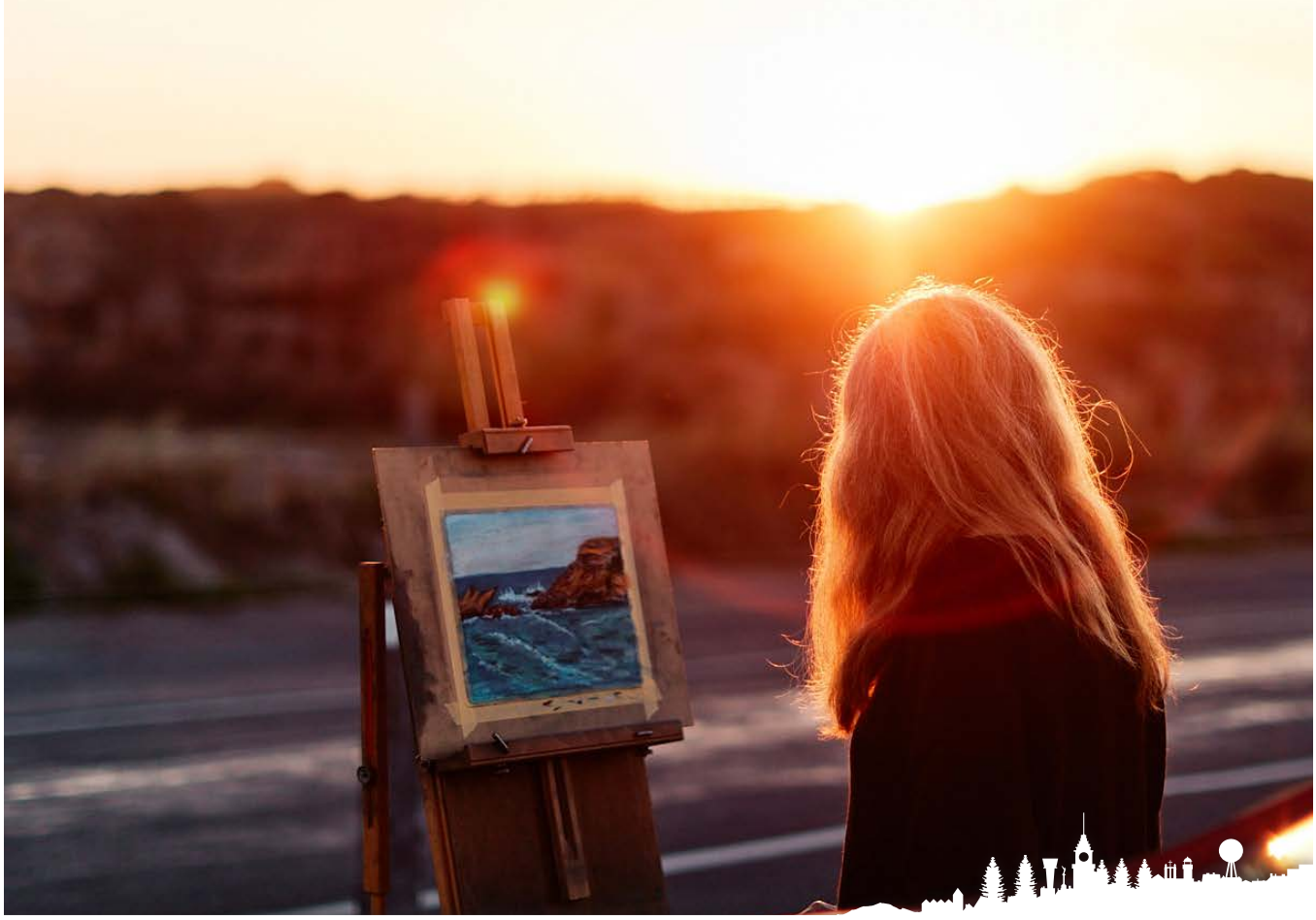
The Annual Action Plan will be reviewed every year so that the objectives in the four-year Council Plan will be delivered in annual increments.

Monitoring our progress

Council will report regularly to the community about the progress it is making on the implementation of this plan. These reports will be made on a quarterly basis and include presentation of the annual report, which provides a comprehensive overview of Council's operational and financial performance.

Council's performance is also monitored through the annual Community Satisfaction Survey while a number of Council services seek feedback from customers and program participants.

The state of the local economy is monitored through a range of measures while customer service data provides insights on areas where Council may need to make changes or improvements.



How this plan was developed

November 2024
Workshop with Councillors to gauge early thoughts on strategic direction.

December 16, 2024, 5pm to 7pm
Community drop-in session

January listening posts
- Lake Pertobe, near Summer Night Market, January 10, 2025.
- Dennington Shopping Centre, January 14, 2025.
- Woodford, Jubilee Park (Wurrumbit Birrng Yaar), January 15, 2025.
- Allansford, January 16, 2025.
- Liebig Street, January 17, 2025.
- West Warrnambool, Pecten Ave Park, January 21.

January – February
Online survey at www.yoursaywarrnambool.com.au to complement the listening posts and provide an alternative for those unable to attend a listening post.

February 19
Senior Council staff Council Plan and Budget discussion at Deakin University. Includes provision of information provided by the community and Councillors.

March
Early Council Plan draft prepared.

March 24, 2025
Presentation to Councillors and follow-up workshop.

March 28, 2025
Workshop with Council managers and directors.

April 8
Executive Management Team to review draft of plan and actions.

April 22
Council briefing on draft plan and budget.

April 28
Additional Council briefing.

May 5
Council meeting where motion to release draft plan and budget for community feedback is considered.

June 2 or 16
Council meeting to consider adoption of plan and budget.

WARRNAMBOOL
CITY COUNCIL
Annual Action Plan
2025-2026
Delivering our Council Plan objectives
This document describes the actions being taken over the financial year 2025-2026 to fulfill the aims of the first year of the four-year Council Plan.
www.warrnambool.vic.gov.au

Annual Action Plan 2025-2026

Delivering our Council Plan objectives

City Futures

Strategy	Actions 2025-2026	Indicators – progress measures
Our City activates and promotes local culture and art.	• Deliver actions from the Art Gallery Strategic Plan in line with the Warrnambool Destination Action Plan. • Progress actions from the Flagstaff Hill reimagining vision and opportunities plan in line with the Warrnambool Destination Action Plan. • Develop a Lighthouse Theatre Strategic Plan.	• Selection of shows and performances at the Lighthouse Theatre that align with the theatre's strategic direction. • Curation of exhibitions at the Warrnambool Art Gallery that align with the gallery's vision. • Community Satisfaction Survey (arts centres and libraries, community and cultural measures).
Our City puts public health and safety as a priority.	• Review and update the Domestic Animal Management Plan that outlines our approach to domestic animals in the City. • Review and update the Onsite Wastewater Management Plan which outlines Council's approach to minimising the impact of domestic onsite wastewater systems. • Contribute to and support actions of the Local Community Safety Committee to reduce the impact of antisocial behaviour.	• Community Satisfaction Survey (enforcement of local laws measure). • Local Government Performance Reporting Framework (environmental health food safety assessment measure). • Australian Immunisation Register (childhood immunisation rates).

Strategy	Actions 2025-2026	Indicators – progress measures
Our City plans for sustainable growth while accommodating a changing climate.	• Continue to engage with the Victorian Planning Authority to finalise the East of Aberline Precinct Structure plan and implementation into the planning scheme. • Develop the Retail Strategy and progress implementation into the planning scheme. • Develop Warrnambool Futures: a long-term land use plan. • Deliver the South Warrnambool Flood Study planning scheme amendment. • Deliver the Allansford Flood Study planning scheme amendment in line with the Allansford Strategic Framework plan. • Finalise the Bushfield Woodford Strategic Framework plan and progress the implementation into the planning scheme. • Progress the planning scheme amendment to incorporate the Foreshore precinct plan into the scheme. • Deliver the review and update of the Open Space Strategy • Continue to be a financial member of Council Alliance for a Sustainable Built Environment and continue to support their advocacy activities.	• Community Satisfaction Survey (population growth and town planning policy measures).
Our City will continue to advocate for improvements to planning frameworks for growth area developments including Development Contribution Plans.	• Information and options prepared to support planning framework improvements.	• Community Satisfaction Survey (population growth and town planning policy measures).
Our City is activated to be attractive to residents and visitors.	• Distribute the Festival and Events Fund grants which encourage events during winter and other non-peak periods. • Deliver Solstice Search Party. • Complete feasibility work around an off-leash dog area at the Visitor Information Centre to service and attract a wider cohort of visitors. • Complete feasibility work around suitable locations for a public dump site. • Produce a joint Warrnambool / Moyne visitor map to enhance destination marketing and promote length of stay. • Develop a night-time economy plan for the city. • Deliver the Holiday Parks Strategic Plan.	• Visitation and retail spending data.
Our City will be a sought-after destination for visitors.	• Update and enhance the Flagstaff Hill website. • Refresh the visitor information signs from the west and the north so they become interchangeable. • Engage with Traditional Owners to deliver welcome signage in language at the Visitor Information Centre.	• Overnight visitor stays.
Our City encourages workforce attraction and development.	• Deliver training and workshops for local businesses. • Deliver, facilitate the Great South Coast Designated Area Migration Agreement and Talent Beyond Boundaries programs and engage and promote Victorian Government skilled migration programs. • Promote Warrnambool Live, Work Invest collateral locally and across the state and nation and report engagement across digital platforms.	• Community Satisfaction Survey (business, community development and tourism measures).

Strategy	Actions 2025-2026	Indicators – progress measures
Our City encourages business growth and development.	• Deliver quarterly business networking functions. • Support business growth through targeted programs and business support activities in line with the Economic Development Strategy and report on metrics. • Engage with Global Victoria and Regional Development Victoria to promote opportunities for investment attraction in other markets. • Support the development of a visitor economy business reference group to enact Warrnambool destination action plan priorities.	• Events and professional development opportunities provided to business community. Targets: 150 workshop/training attendees annually; 240 attendees to quarterly business networking events.
Our City will create an environment that accelerates delivery of housing across all forms.	• Council will prioritise permit approval that enables subdivision and new housing developments.	• Growth in the City's housing stock, including more housing types. • Community Satisfaction Survey (population growth and town planning policy measures).
Our City supports learning and recognises the importance to the region of Deakin University and South West TAFE.	• Support the new Warrnambool Technical School as a member of the project control group to achieve its goal of opening in September 2026. • Promote opportunities for relevant stakeholders to meet with the Deakin Hycel team.	• Membership of the Warrnambool Technical School project control group. • Sharing of opportunities at Deakin Hycel.
Our City plans for future industries that will bring employment and prosperity to the region.	• Promote our investment and attraction package (Live, Work & Invest -warrnambool.com / CBD & City Business Occupancy Report / Economic Data / Land Availability) to key players in relevant government and private sectors who are at the coalface of investment, attraction and development.	• Increase subscriptions to the economic development business newsletter.
Our City celebrates iconic events and attractions that are part of our identity and visitor economy including speedway racing, the May Racing Carnival and our foreshore and beach.	• Maintain Councils What's On platform and report on page visitation. • Promote and support promotional roundabout banners in the city. • Support key events eligible through the annual Festival and Events Fund. • Develop and implement seasonal marketing campaigns which draw back to What's On.	• Visitation to What's On website. • Allocation of the Festival and Events Fund. • Return on investment data for funding provided through the Festival and Events Fund.

Annual Action Plan 2025-2026

Delivering our Council Plan objectives

City Infrastructure

Strategy	Actions 2025-2026	Indicators – progress measures
Our City will prioritise maintaining and renewing existing infrastructure.	• Monitoring existing infrastructure through the State of the Assets Report.	• Manage the asset renewal gap with consolidation of current position and measured through the annual State of the Assets Report.
Our City will have appropriate open space infrastructure to meet the needs of our growing community.	• Council will investigate the need for change facilities for ocean swimmers at the Pavilion. • Complete designs for the provision of shelters over some seats in Liebig Street and over seats along the Promenade. • Advocate for upgrades to the whale viewing platform beach access. • Advocate for funding to implement third stage of the Lake Pertobe Master Plan. • Advocate to Department of Justice for improved lighting in open spaces including walking trails. • Work with the Department of Transport and Planning (DTP) for the DTP to take responsibility for maintenance of bus shelters.	• Community Satisfaction Survey (parks and reserves, city amenity measures).

Strategy	Actions 2025-2026	Indicators – progress measures
Our City will plan for and improve the municipal drainage network to cope with the changing environment.	• Scope mitigation actions recommended in flood studies. • Develop an implementation plan for Integrated Water Management Plans.	• Scoping of flood mitigation options.
Our City neighbourhoods will have a well-connected network of footpaths.	• Provide annual program of pathways as defined in the Principal Pedestrian Network. • Continue to advocate for funding to deliver Deakin Link.	• Delivery of next priorities identified in the Principal Pedestrian Network. • Community Satisfaction Survey (local streets and footpaths measure).
Our City's road network will be maintained to a safe and high quality standard.	• Investigate internal capital funding to seal gravel road network. • Work with the Department of Transport and Planning to improve traffic safety along Princes Highway at Allansford intersections.	• Completion of annual reseal program. • Delivery of actions in Road Management Plan. • Community Satisfaction Survey (sealed local roads measure).
Our City will pursue efficiencies in maintaining and renewing Council buildings.	• Investigate the feasibility of upgrading the Pavilion lift to obtain a reasonable useful life for this asset. • Explore bundling of renewal work to achieve savings through economies of scale. • Upgrade the Civic Centre with a focus on accessibility, e.g. planning for a lift and improved ground floor amenities. • Develop and maintain a property leasing policy.	• Community Satisfaction Survey (environmental sustainability measure).
Our City values and implements sound strategic asset management with consideration to new, retirement and consolidation of assets.	• Review building assets to determine whether buildings are surplus to need. • Complete the Open Space Asset Management Plan.	• Reduction of asset renewal gap.
Our City will continue to improve pedestrian, cycling and vehicle movements.	• Investigate an East Warrnambool Local Area Traffic Management Plan. • Work with the Department of Transport and Planning on community road safety concerns. • Install a roundabout at the intersection of Koroit and Ryot streets. • Advocate to the Department of Transport and Planning for improved traffic conditions on arterial roads including Mortlake Road.	• Community Satisfaction Survey (traffic management measure).
Our City will focus on playspaces as a key feature of local neighbourhoods.	• In line with the Playspace Framework, consider including more fences (where identified by the Framework) around playgrounds when they are being renewed. • In line with the Playspace Framework, consider including trees and seats around playgrounds when they are being renewed. • Advocate for funding of the second Lake Pertobe playspace.	• Implementation of Playspace Strategy.

Strategy	Actions 2025-2026	Indicators – progress measures
Our City's public spaces will be maintained to a high standard.	• Maintenance including grass mowing, brushcutting and planting.	• Community Satisfaction Survey (appearance of public areas).
Our City will advocate for renewal and upgrade of arterial roads and for improved rail services.	• Hold regular meetings with senior Department of Transport and Planning staff. • Develop advocacy material with specific asks for arterial network and rail requests.	• Increased investment in the arterial road.
Our City will ensure the regional airport continues to operate as a base for emergency air transport and as a destination for business and recreational aircraft.	• Pursue air passenger services. • Seek funding to upgrade infrastructure to enable larger aircraft to use the facility.	• Provision of a registered airport and associated facilities that meet requirements for emergency, business and recreational aircraft.

Annual Action Plan 2025-2026

Delivering our Council Plan objectives

Our City Sustainability actions

Strategy	Action 2025-2026	Indicators – progress measures
Our City will pursue efficiencies in our waste management system.	• Investigate options for industry intervention in managing difficult recycling streams such as soft plastics and glass. • Investigate hard waste collection. • Investigate smart public bins to compress waste. • Collaborate with Recycle Victoria on a pilot program for soft plastic recycling. • Review glass bin collection schedule as part of the contract specification for June 2026.	• Community Satisfaction Survey (waste management measure).
Our City will use water wisely.	• Advocate for funding assistance to implement the Lake Pertobe Integrated Water Management Plan.	• Implementation of actions identified in integrated water management plans.
Our City is committed to reducing its carbon footprint.	• Install more electric vehicle charging points to enable the staged transition to a low emissions pool vehicle fleet. • Prioritise electric and low emission vehicles as replacement pool vehicles. • Seek funding to implement recommendations from the sustainability audit. • Investigate the electrifying of the boiler at Aquazone. • Continue to deliver the re-vegetation plan by planting up to 5,000 plants of various species across the city. • Investigate viability of small community battery installations. • Explore reliability and sustainability of battery powered outdoor equipment.	• Continue transition to replacing fossil-fuel sourced energy to renewable energy. • Community Satisfaction Survey (environmental sustainability measure). • Composition of Council fleet continues transition to electric and hybrid vehicles. • Progress towards Green Warrnambool objectives.

Strategy	Action 2025-2026	Indicators – progress measures
Our City will monitor and manage pest animals and plants on land owned and/or managed by Council.	• Reduce rabbit numbers. • Remove pest plants from river banks.	• Implementation of pest control programs e.g. fox baiting.
Our City advocates for accessible and sustainable public transport.	• Participate in regional transport strategy with an emphasis on public transport, particularly links to towns adjacent to Warrnambool. • Advocate with South West Victoria Alliance for-inter town public transport improvements, specifically weekend links to smaller, surrounding towns.	• Increased patronage and new services planned for new development areas.
Our City will collaborate with other agencies to achieve positive environmental outcomes.	• Schedule meetings with DEECA staff including agreed shared actions. • Continue to deliver actions and events in line with the Green Warrnambool Plan and provide an annual report of the benefits.	• Engagement with the Department of Environment, Energy and Climate Action.
Our City will take measures to limit the impact of climate change.	• Implement mitigation actions from the heat map strategy.	• Expansion of vegetation/canopy cover within the municipality.
Our City will implement biodiversity improvement and revegetation outcomes.	• Partner with agencies and community groups to complete the Growing Green Rooms project. • Collaborate with Warrnambool Coastcare Landcare network and schools in re-vegetation projects. • Continue mapping for natural assets and annual re-vegetation projects supporting future biodiversity planning. • Partner with state agencies for threatened flora and fauna conservation works. • Partner with Traditional Owner groups for biodiversity and education projects.	• Community Satisfaction Survey (environmental sustainability measure).
Our City's Animal Shelter will be a place of refuge for the lost, surrendered and abandoned animals.	• Provide care to all the animals at the Animal Shelter to the appropriate standard. • Reunite lost pets and provide second chances to all animals in our care. • Improve animal welfare by advocating and educating our community.	• Rehoming and animal fostering data. • Annual reporting as per the Domestic Animal Management Plan.
Our City will advocate for support to manage our coastal areas effectively.	• Identify targeted removal of unsuitable species and seek permission for a managed program.	• Approval gained for the selective removal of unsuitable vegetation and replacement with ground cover options.

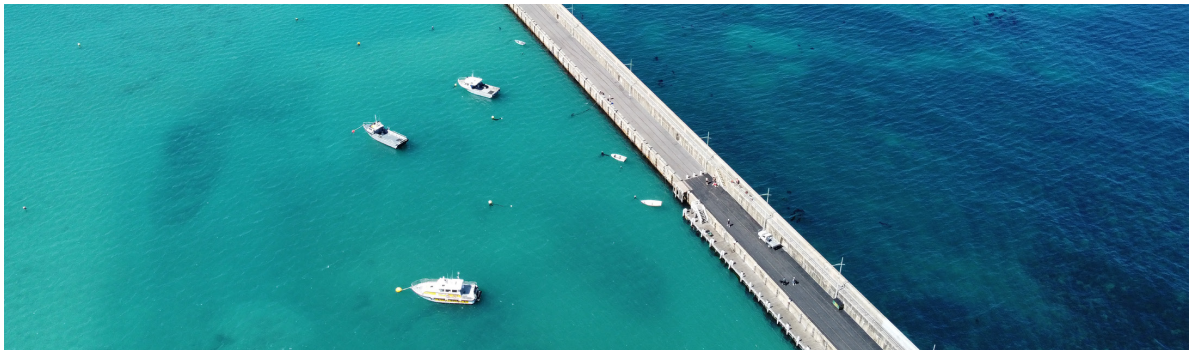
Annual Action Plan 2025-2026

Delivering our Council Plan objectives

Our City Wellbeing actions

Strategy	Action 2025-2026	Indicators – progress measures
Our liveable City promotes access to housing, places and activity for all.	• Secure planning approvals and funding for the Harrington Road Key Worker Project. • Develop Community Services Futures 2040 community infrastructure and services plan. • Implement strengthened Aged Care Quality Standards.	• Increase in housing types to support different life stages. • Increase in public transport options available within a five-minute walk for all residents.
Our City encourages opportunities for innovation, creativity and increasing community connectedness.	• Adopt the Creative Warrnambool Strategy and implement year 1 actions. • Deliver two micro festivals as a part of Live and Local Music Program. • Create a new Creative Warrnambool webpage to showcase Warrnambool creatives. • Implement 100% of FReeZA programs. • Audit community halls and spaces and provide opportunity for increased use.	• Increase in opportunities and in young people accessing creative industry. • Increased use of spaces for creatives and more shared spaces. • Increased Customer Satisfaction Survey (community and cultural measure). • Increase in library participation.

Strategy	Action 2025-2026	Indicators – progress measures
Our active City provides recreational opportunities for participation of all ages and abilities.	• Finalise Active Warrnambool Strategy 2025-2035. • Identify opportunities for programming and marketing for AquaZone. • Review After School Care and Vacation Care service at Warrnambool Stadium • Review Social Support program in anticipation of the Support At Home program. • Deliver two new programs or events that are responsive to community needs. • Deliver the volunteer expo to promote council and community volunteer opportunities. • Finalise the business case for Aquazone redevelopment and implement funding strategy and advocacy.	• Increase participation levels in programs across Council-managed venues including learn-to-swim, gym memberships. • Increase in Community Satisfaction Survey (recreational facilities measure). • Local Government Performance Reporting Framework (LGPRF) utilisation of aquatic facilities measure. • Increased participation of women and girls in sport. • Increased participation from non-sporting user groups. • Increase in Archie Graham program participation. • Volunteer participation numbers.
Our inclusive and diverse City is welcoming to all.	• Development of Disability, Inclusion and Access Plan, • Finalisation of Council's Reconciliation Action Plan, • Implement the Moyne-Warrnambool Youth Strategy year 1 including development of Youth Advisory Board, reimaging volunteer recruitment, • Audit Maternal Child Health Clinics to ensure they are inclusive of all genders.	• Community Satisfaction Survey (elderly support services). • Local Government Performance Reporting Framework (LGPRF) participation in Maternal Child Health service for Aboriginal children measure. • Number of community programs delivered across Council venues and services.
Our City provides learning pathways and opportunities for education and development.	• Initiate Library and Learning Cultural Interpretative project in a staged approach. • Embed programs at the new the West Warrnambool Neighbourhood House. • Finalisation of Early Years Infrastructure 10-year Strategy. • Explore ongoing provision of Library Café. • Complete Matron Swinton playground upgrade. • Consult with community and staff on pre-prep reform and advocate to the department. • Replace kindergarten enrolment software. • Expand our presence at Neil Porter Foundation Careers Expo to showcase community development career opportunities. • Implement 100 per cent of the youth Engage program. • Provide opportunity for vulnerable families to undertake a funded First Aid course to support parental capacity and child health and wellbeing. • Strengthening and embedding gender equality through delivery of the new Baby Makes 3 framework.	• Local Government Performance Reporting Framework (LGPRF) library loans/population. • Percentage increase of trainees in the workforce. • Percentage increase in members of the community participating in skill capacity development programs across Council venues and services. • The number of children enrolled in 3- and 4-year-old and pre-prep kindergarten. • Increase or maintain occupancy at Council's early learning centres.
Our nurturing City supports growth and development through high-quality service delivery.	• Initiating a review Early Years Quality and Compliance in response to early years and family and children services reform. • Undertake Council's Public Health and Wellbeing Plan "Healthy Warrnambool" review and Develop the Healthy Warrnambool Plan 2025-2029. • Develop the Municipal Early Years Plan. • Reestablish Indigenous Language program in Council's early years services. • Offer the opportunity to fathers to participate in the iCOPE Postnatal Depression Scale through the Key Age Stage visits in Maternal Child Health. • Provide additional Feeding Support Consultation outside Key Age Stage visits for families of babies with slow weight gain.	• Increase percentage of aged care service delivery hours against target. • Local Government Performance Reporting Framework (LGPRF) participation of children meeting key age stages at four weeks measure. • LGPRF participation in Material and Child Health measure.



Annual Action Plan 2025-2026

Delivering our Council Plan objectives

City Leadership

Strategy	Actions 2025-2026	Indicators – progress measures
Our City pursues technology and innovation for community benefit.	• Activate the Shared Services arrangement for an improved digital future. • Maximise Coastal Connect outcomes by removal of legacy systems. • Procure a new digital telephony system. • Go live Coastal Connect Enterprise Resource Platform. • Trial Sharepoint with the Family and Children's Services branch for more efficient and user-friendly records management.	• Transition to cloud-based software. • Ongoing implementation of Coast Connect (shared enterprise software project with Moyne and Corangamite councils).
Our City will use Artificial Intelligence (AI) software to gain operational efficiencies.	• Explore the use of an AI chatbot alongside the introduction of new phone software. • Trial AI software within a Local Laws function.	• Examples of effective AI use.
Our City is a leader in the South West.	• Provide a South West Leadership role by being Lead Member of the South West Council ICT Alliance. • Maintain an active leadership role in the South West Alliance of Councils.	• Regional meetings with South West councils and lobbying of Victorian and Australian government politicians and department representatives.
Our City manages financial resources sustainably.	• Maintain a comprehensive 10-year Long-Term Financial Plan • Undertake an annual four-year budget process in consultation with our community. • Responsibly negotiate a balanced employee terms and conditions Enterprise Agreement.	• Production of Annual Budget, Long-Term Financial Plan and Revenue and Rating Plan. • Community Satisfaction Survey (value for money measure).
Our City will promote our organisational culture and performance.	• Implement the actions of Year 1 of the 2025-29 Workforce Plan. • Delivering leadership development opportunities through to fourth level supervisors. • Deliver training for nine Coastal Connect modules. • Conduct an employee engagement and alignment survey to support and measure culture development. • Develop 2026-2030 Gender Equality Action Plan. • Maintain a contemporary Safety Measurement System and Reporting process.	• Maintain or improve results in internal staff wellbeing surveys.

Strategy	Actions 2025-2026	Indicators – progress measures
Our City will advocate strongly for our community and our region.	• Lobby for Early Years Centre of Excellence with a view to reducing childcare waiting lists by increasing numbers of skilled professional staff. • Brierly Community Hub to develop female-friendly change rooms and community spaces. • Advocate for city-wide bus shelter improvements. • Advocate for further for Warrnambool Airport upgrades to accommodate the return of passenger services. • Seek full Australian and Victorian government funding for the Warrnambool Art Gallery. • Seek majority funding for the aquatic centre upgrade. • Advocate to the State Government for maintaining its Breakwater asset. • Advocate on behalf of the Warrnambool Surf Life Saving Club for a new club building.	• Advocacy efforts including lobbying of Australian and Victorian government politicians and department representatives. • Community Satisfaction Survey (lobbying measure).
Our City is committed to sound governance, transparent decision-making and operating with integrity.	• Improve our assessment against the State Victorian Protective Data Security Framework. • Establish a Data Governance Committee. • Maintain the key performance indicators relating to Governance in Council's annual performance statements. • Councillors will undertake governance training and development. • Councillors will participate in the City's calendar of civic events and activities. • Deliver a review of Council's governance arrangements.	• Decisions made in open Council meetings. • Annual Report Governance Checklist. • Review of governance arrangements.
Our City will foster an informed community, enhance the customer experience and engage with the community to help inform key decisions, plans and policies.	• Consult with our community where significant decisions are required that may have impacts on the community.	• Community Satisfaction Survey (customer service and community consultation measures). • Consultation summaries embedded in Council reports.
Our City considers strategic risk in its decision-making and is committed to providing safe environments where people can thrive.	• Deliver 2025-26 Internal Audit program. • Review the key Strategic Risks to improve the 2026-27 Council Plan. • Maintain the Risk Management Framework and reporting to Council's Audit and Risk Committee • Adhere to the child safety standards. • Ensure our workplace is a safe and inclusive space and where required will implement changes recommended in staff wellbeing surveys.	• Internal staff wellbeing surveys. • Staff Code of Conduct. • Delivery of actions in the Gender Equality Action Plan.
Our City will review the community vision, Warrnambool 2040.	• Begin review of Warrnambool 2040.	• Review under way.
Our City will advocate for important needs including an upgrade of the aquatic centre, a community hub at Brierly Recreation Reserve, a new art gallery and affordable housing.	• Advocacy materials prepared and meetings with relevant parliamentarians and department officials arranged.	• Funding or policy shifts that deliver progress on these priorities.

Feedback from Regional Arts Victoria: South West

Council Plan

From my perspective at Regional Arts Victoria, it's encouraging to see how closely the draft Council Plan aligns with other strategies at local, regional, state and federal levels, particularly relating to the arts/culture/creative industries and the shared goals of the South West Creative Industries Strategy, notably through pillars 1, 3 and 4.

It's great to see the first strategy listed under City Futures being explicitly to "activate and promote local culture and art", which links to other strategic initiatives around being attractive to residents and visitors, attracting (and retaining) skilled workers, alongside skills and business development, and local learning opportunities.

Creative industries are a growing, innovation-rich part of Victoria's economic ecosystem. Warrnambool has ripe opportunities to drive the visitor economy through cultural tourism, creative infrastructure and programming and unique festivals and events, alongside through the impact of developing Warrnambool's reputation as a vibrant creative epicentre in a fascinating broader region, and as a great place to live, work, visit, play, learn or invest in.

We also strongly support the strategy under City Wellbeing to "encourage opportunities for innovation and creativity, increasing community connectedness", particularly the focus on diversity, inclusivity, access and equity that we need for our communities to welcome and service all parts of our vibrant society.

For Warrnambool to name (under Pillar 5) that it is embracing technology and innovation, using AI for efficiency gains and leaning into your role as a leader in the southwest is encouraging to see, alongside clear advocacy priorities including a new Warrnambool Art Gallery. From my perspective, Warrnambool is already seen as leader in region, with a sophisticated understanding of the importance of creative industries to the community and our regional economy, a dedicated resource (though part-time, incredibly impactful) and an appetite to work across silos with an internal creative work group, and much collaboration with Moyne as the surrounding LGA, as seen through some specific initiatives in the Action Plan e.g youth, tourism.

It's also comforting to see the emphasis on caring for the team through organisational culture (always a challenge in local government), as without the skilled, passionate and capable people working collaboratively in line with Council values, progress is difficult to make.

Artists and creatives of all kinds are responsible for much of the innovative thinking and creativity of approach required across multiple sectors to address real challenges in everything from engaging and empowering youth and First Peoples, to environmental challenges and retaining skilled workers who value access to inclusive, welcoming creative experiences for all members of their family.
It's important that in the development and renewal of built infrastructure, open spaces, trails/routes and other public assets, from seat shelters to major projects, that artists and creatives (much like First Peoples) are invited into the process in the early stages to help inform design, wayfinding, interpretive signage/storytelling, materials, space utilisation, place-making etc - not after the fact to beautify a project. Embedding arts, culture and creativity into projects and infrastructure will help Warrnambool to lead the way in opening up opportunities for innovation and creativity (a strategy under Pillar 3), showcasing the rich talents of local people, and allows Council to demonstrate how it engages with and invites diverse perspectives, leading to outcomes that are infinitely better once shaped by creative minds.

Overall it's a clear and concise document with great strategic alignment to other documents and other organisations' aims, congratulations to all those involved in getting it to this point and good luck on the next step!

Annual Action Plan feedback

Actions are specific and measurable, clearly relating to the overall Council Plan and seemingly led by specific teams with specific deliverables to report on. The outcomes desired are inherently intersectional, particularly in relation to creative industries, community wellbeing, economic development, tourism and events, volunteers and community development, so opportunities to partner and collaborate across silos and LGA boundaries we hope are a key part of delivery, as with the SW Creative industries Strategy.

It'd be useful to see the commitment Warrnambool has made to the partnership approach of the regional Creative Industries Strategy named in the Action Plan since it's something WCC is already actively engaged in and committed to. For example; "Support the regional collaboration and partnership initiatives identified in the South West Creative Industries Strategy" or "Participate in regional creative industries initiatives like the South West Creative Industries Strategy" etc. Wording could be similar across all 5 Council Plans in the partnership, or specific to each - for example, Glenelg's last Action Plan stated "Develop a Creative Strategy, linked to the Great South Coast Creative Industries Strategy to inform artistic and cultural projects, programming and activities across the Shire" and Moyne's current Arts & Culture Strategy commits to "fully participating in the South West Creative Industries Strategy" (p.9). Warrnambool's Eco Dev Strategy has generalised wording, to "Build regional collaborations and partnerships across Council, industry and government to achieve economic development outcomes." - another alternative way to ensure partnership and collaboration, like the SWCIS, is accountable to reporting on.

The Action plan items under City Wellbeing are exciting - finally adopting a Creative Warrnambool Strategy, building a digital resource (learning from Creative Ballarat), the Live & Local Program, youth initiatives and the spaces audit with a view to activation are all fantastic initiatives that closely align with the Action Plan of the regional strategy.

WARRNAMBOOL
CITY COUNCIL
Budget
2025-2026
www.warrnambool.vic.gov.au

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Introduction by the Mayor and Chief Executive Officer

Council is pleased to present our Budget for 2025-2026.

This budget contains a strong focus on “asset renewal” – looking after the community facilities and infrastructure we already have. This was one of the themes to emerge during consultation with the community about the Budget and Council Plan.

This means that we will be putting significant resources into the footpaths, roads, drainage, community buildings and recreation facilities that our community relies on and uses now.
So looking at the highlights of our $28.9 million new capital works program it can be seen to be a balance between renewal works and new work.

Capital works highlights

- $5.2 million for key worker accommodation at Shipwreck Bay Holiday Park;
- $7.2 million for completion of work at Wollaston Road including the relocation of high voltage powerlines
- $534,000 for new footpaths in the Industrial Precinct
- $200,000 for capital works at the holiday parks;
- $800,000 for an upgrade of the roof at AquaZone
- $200,000 for upgrading the outdoor netball courts surface

For the many legions of Warrnambool Library fans there is also good news. We will invest $170,000 in new books which will include the replacement of perennial favourites along with the introduction of new titles.
While there is a strong commitment to look after existing assets, this is also a budget with strong ambitions.
Council has laid the groundwork for projects that are important for our growing community.

We have a strong business case for the renewal of our swim and fitness centre, AquaZone, a business case for a new art gallery building at the current site and we will prepare the next stage of the former saleyards land along Caramut Road. This will include a Precinct Plan which would essentially show us how a residential redevelopment would look and function in that key piece of land in a growth area of Warrnambool.
We have proposed a rate increase in line with the rate cap of 3.00% announced by the Victorian Government earlier this year.

The average impact on homeowners will be around $1.36 a week, less than the cost of a cup of coffee.
Your rates support a wide range of services and facilities.

Rates and charges will provide Council with $50 million with the remainder of the budget to be sourced primarily from the Victorian and Australian governments.
For the first time in four years there will be an increase in parking fees, with all day parking to go from $4 to $5. Other parking fees will be unchanged at $2 per hour.

Three years ago we introduced a new winter event – Solstice Search Party – that instantly struck a chord with many in the community and region. We have committed to staging this event once again and we encourage local businesses to leverage this opportunity at a traditionally quiet time for tourism.

Council’s budgeted operating result shows a surplus of $7.497 million. To deliver the large scale infrastructure projects for the year, Council is seeking borrowings of $4.0 million and drawing on strategic developer reserves. These projects open up our major growth areas and contribute to the development of more residential properties for the city.

The Budget seeks to deliver the actions outlined in the Council Plan 2025-2029 and the objectives contained in the long-term community vision, Warrnambool 2040.

We recommend that the Budget is read in conjunction with the Council Plan. The vision for the four-year life of the Council Plan is for the Warrnambool to be a thriving regional leader, rich in opportunities and committed to fostering a sustainable and inclusive lifestyle.

Cr Ben Blain
Mayor

Andrew Mason
Chief Executive Officer

Budget influences

Warrnambool City Council recognises the economic pressures facing our residents, including rising living costs, housing affordability challenges, and increased demand on local infrastructure. In this context, Council remains committed to delivering high-quality services that support community wellbeing, while also planning responsibly for the future.

Focusing on efficient service delivery, sustainable growth, and targeted investment in renewal of essential infrastructure, we aim to strike a balance between financial prudence and maintaining the vibrant, liveable city our community deserves.

Cost increases continue to impact Council services and operations. While national inflationary indexes begin to stabilise, the compounding effect of rising compliance and construction costs, that comprise a large part of Council's budget, continues to challenge forward budgets.

Inflation Rates 2020-2024					
	2020	2021	2022	2023	2024
Consumer	0.85%	2.86%	6.59%	5.60%	2.40%
Construction	1.00%	2.50%	11.20%	4.20%	2.00%

Source: Australian Bureau of Statistics

Council maintains assets worth more than $850 million and is currently focused on ensuring these are maintained and renewed. These assets include buildings, roads, recreation and drainage. The 2025-26 budget includes an allocation of $9.25 million towards asset renewal.

Expected Average Residential Rates	2024-25	Increase/ (Decrease)	2025-26	% Increase/ (Decrease)
Average Residential Rates	$1,546.93	$45.15	$1,592.08	2.92%
Municipal Charge	$302.75	$9.05	$311.80	3.00%
Waste Management Fee	$417.00	$16.45	$433.45	3.94%
Average Residential Rates & Charges	**$2,266.68**	**$70.65**	**$2,337.33**	**3.12%**

Waste Management Charge	2023-24	2024-25	2025-26
Garbage collection & disposal (including EPA Levies)	$94.27	$102.14	$112.74
Recycling collection & processing	$73.77	$84.11	$75.70
FOGO collection & processing	$56.01	$55.64	$57.77
Glass collection & processing	$28.26	$29.29	$30.84
Street cleaning	$67.01	$66.06	$72.63
Drainage cleaning/rubbish removal/foreshore cleaning	$54.23	$53.80	$56.74
Council overhead	$53.44	$25.97	$27.07
Total	**$427.00**	**$417.00**	**$433.45**

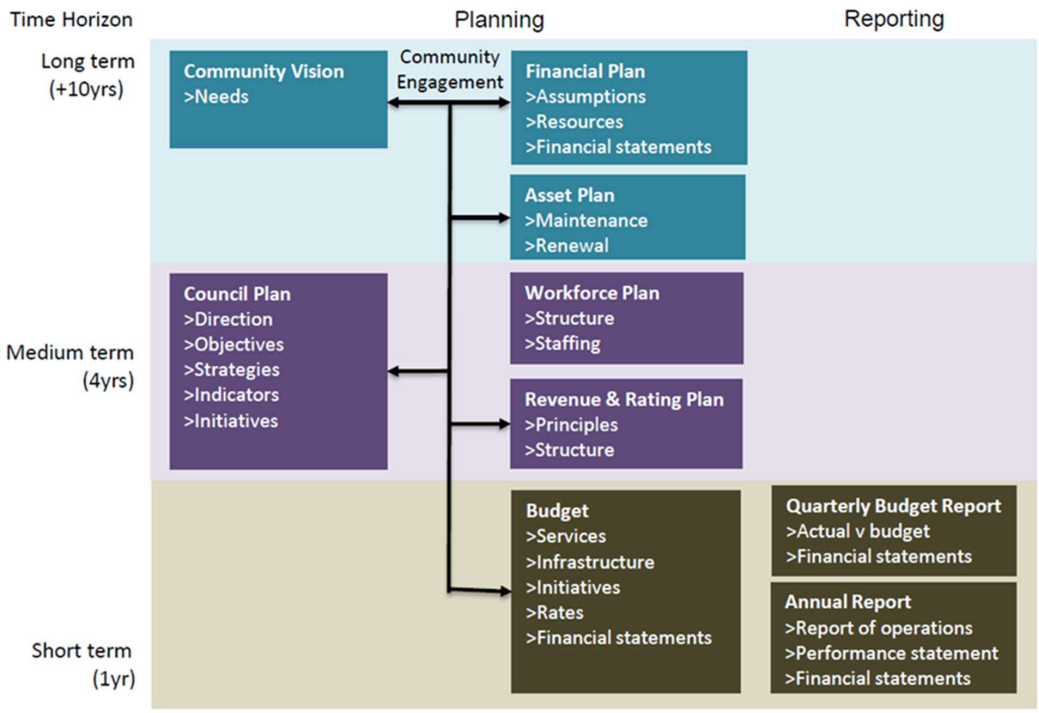
How we invest each $100	
Construction, roads, paths and drains	22.72
Parks, recreation, libraries and culture	16.80
Aged and family services	16.24
Administration	15.95
Economic development and tourism	12.58
Environmental, waste management and street cleaning	5.58
Engineering and planning	5.05
Regulatory control, public health and safety	4.30
Elected Council and governance	0.78
Total	$100.00

1. Link to the Integrated Strategic Planning and Reporting Framework

This section describes how the Budget links to the achievement of the Community Vision and Council Plan within an overall integrated strategic planning and reporting framework. This framework guides the Council in identifying community needs and aspirations over the long term (Community Vision and Financial Plan), medium term (Council Plan, Workforce Plan, and Revenue and Rating Plan) and short term (Budget) and then holding itself accountable (Annual Report).

1.1 Legislative planning and accountability framework

The Budget is a rolling four-year plan that outlines the financial and non-financial resources that Council requires to achieve the strategic objectives described in the Council Plan. The diagram below depicts the integrated strategic planning and reporting framework that applies to local government in Victoria. At each stage of the integrated strategic planning and reporting framework there are opportunities for community and stakeholder input. This is important to ensure transparency and accountability to both residents and ratepayers.



The timing of each component of the integrated strategic planning and reporting framework is critical to the successful achievement of the planned outcomes.

1.1.2 Key planning considerations

Service level planning

Although councils have a legal obligation to provide some services— such as animal management, local roads, food safety and statutory planning—most council services are not legally mandated, including some services closely associated with councils, such as libraries, building permits and sporting facilities. Further, over time, the needs and expectations of communities can change. Therefore, councils need to have robust processes for service planning and review to ensure all services continue to provide value for money and are in line with community expectations. In doing so, councils should engage with communities to determine how to prioritise resources and balance service provision against other responsibilities such as asset maintenance and capital works.

Community consultation needs to be in line with Council's adopted Community Engagement Policy and Public Transparency Policy.

1.2 Our purpose

Our vision

A thriving city at the heart of coast and country.

Our values

Accountability
We will be responsible and take ownership for our actions and decisions by being ethical, honest and transparent.

Collaboration
We will foster effective relationships through engagement, communication and cooperation; supporting decisions and outcomes for the benefit of all.

Respectfulness
We will treat everyone with dignity, fairness and empathy; providing them with the opportunity to share views and to be heard.

Progressiveness
We will evolve and grow by encouraging development, change and continuous improvement in everything that we do.

Wellbeing
We will commit to providing a safe and healthy workplace that promotes staff engagement, performance and achievement allowing all employees to flourish for the benefit of themselves and the organisation.

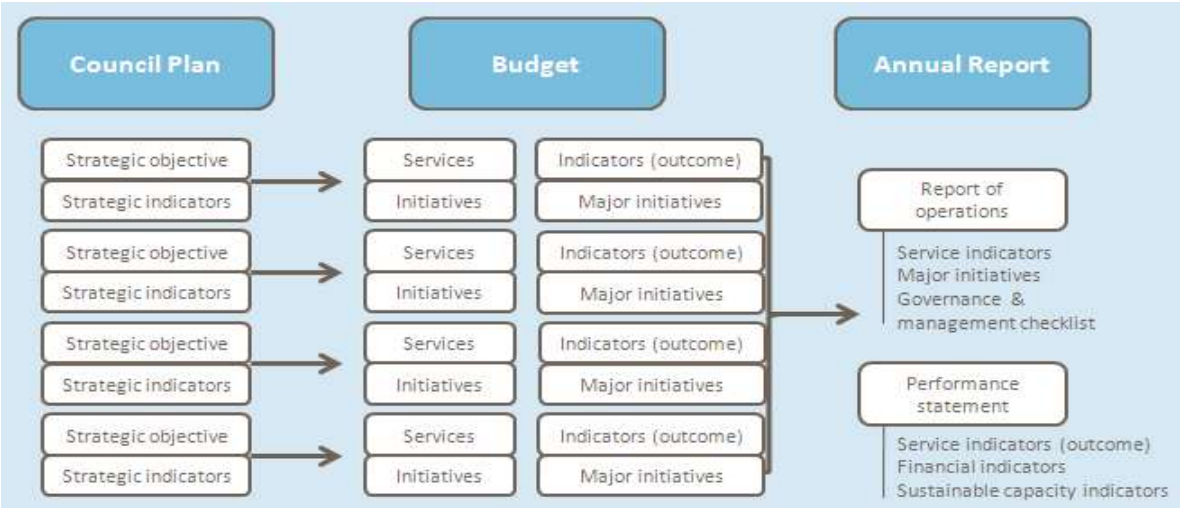
1.3 Strategic objectives

Council's strategic objectives were developed with the community in response to the vision and goals described in the long-term community plan, Warrnambool 2040.

Strategic Objective	Description
City Wellbeing	*Working to enable everyone at every stage of life to participate in welcoming and inclusive environments which foster learning connection health and wellbeing.*
City Sustainability	*Caring for our natural environment by promoting energy efficiency, best practice circular economy and embracing new technology.*
City Futures	*Activating a vibrant, liveable and safe city through enhancing outcomes for all.*
City Infrastructure	*Renewal and maintenance of Council's infrastructure while balancing the needs of our growing city through sound asset management.*
City Leadership	*Advocate for our community, operate efficiently, maintain sound governance, care for our team, and embrace a rapidly changing technological landscape.*

2. Services and service performance indicators

This section provides a description of the services and initiatives to be funded in the Budget for the 2025-26 year and how these will contribute to achieving the strategic objectives outlined in the Council Plan. It also describes several initiatives and service performance outcome indicators for key areas of Council's operations. Council is required by legislation to identify major initiatives, initiatives and service performance outcome indicators in the Budget and report against them in their Annual Report to support transparency and accountability. The relationship between these accountability requirements in the Council Plan, the Budget and the Annual Report is shown below:



2.1 Strategic Objective 1: City Wellbeing

Working to enable everyone at every stage of life to participate in welcoming and inclusive environments which foster learning connection health and wellbeing.

Strategies to achieve Strategic Objective 1 are:

1.1 A liveable City that promotes access to housing, places and activity for all.
1.2 A creative City that encourages opportunities for innovation and creativity, increasing community connectedness.
1.3 An active City that provides recreational opportunities for people of all ages and abilities.
1.4 An inclusive and diverse City that is welcoming to all.
1.5 A City that provides learning pathways and opportunities for education and development.
1.6 A nurturing city that supports growth and development through quality service delivery.

The service categories to deliver these key strategic objectives are described below.

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Aged Services	This area provides a range of services including meals on wheels, personal care, respite, home maintenance, home care, adult day care and senior citizens programs.	Inc	4,411	4,860	4,464
		Exp	(4,744)	(4,088)	(3,820)
		Surplus / (deficit)	**(333)**	**772**	**644**
Family Services	This service provides family orientated support services including pre-schools, maternal & child health, child care, counselling & support, youth services, immunisation, family day care.	Inc	10,330	10,392	10,991
		Exp	(10,283)	(11,606)	(11,763)
		Surplus / (deficit)	**47**	**(1,214)**	**(772)**

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Art and Culture	Provision of high-quality venues where people can see, present and explore the arts, ideas and events provided at the Warrnambool Art Gallery and Light House Theatre.	Inc	2.855	2,325	2,405
		Exp	(3,874)	(3,483)	(3,620)
		Surplus / (deficit)	**(989)**	**(1,158)**	**(1,215)**
Library Services	Provision of quality library and information services to the community.	Inc	701	710	735
		Exp	(1,777)	(1,906)	(1,990)
		Surplus / (deficit)	**(1,076)**	**(1,196)**	**(1,255)**
Recreation	Provision of sport, recreation and cultural facilities, service and programs in response to identified community need and to provide information and advice to clubs and organisations involved in these areas.	Inc	219	187	189
		Exp	(787)	(892)	(925)
		Surplus / (deficit)	**(568)**	**(705)**	**(736)**
Leisure Centres	The Arc and Aquazone provide premier indoor community leisure facilities in South West Victoria, providing equitable and affordable access to a wide range of aquatic and fitness activities.	Inc	2,774	2,785	2,847
		Exp	(3,819)	(4,074)	(4,137)
		Surplus / (deficit)	**(1,045)**	**(1,289)**	**(1,290)**
Health Services	Administration of legislative requirements pertaining to public health, immunisation and food premises. Preparation of the Health & Wellbeing plan and the Reconciliation Action Plan.	Inc	264	303	300
		Exp	(775)	(1,001)	(964)
		Surplus / (deficit)	**(511)**	**(698)**	**(664)**

Major initiatives
1) Upgrade and renewal of Aquazone roof, plant and amenity
2) Resealing of the outdoor netball courts

Other initiatives
3) Early Years Infrastructure 10 year Strategy
4) Active Warrnambool Strategy 2025-2035

Service performance outcome indicators

Service	Indicator	2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Aquatic Facilities				
Health inspections of aquatic facilities	[Number of authorised officer inspections of Council aquatic facilities / Number of Council aquatic facilities]	3	4	4

Utilisation of Aquatic Facilities	(Number of visits to aquatic facilities / Municipal population]	5.74	6.14	6.40
Cost of Aquatic Facilities	[Direct cost of aquatic facilities less income received / Number of visits to aquatic facilities]	$2.95	$3.58	$3.36
Food Safety				
Food safety Timeliness	Time taken to action food complaints [Number of days between receipt and first response action for all food complaints / Number of food complaints]	1.36	1.0	1.0
Food Safety - service standard	Food safety assessments [Number of registered class 1 food premises and class 2 food premises that receive an annual food safety assessment in accordance with the Food Act 1984 / Number of registered class 1 food premises and class 2 food premises that require an annual food safety assessment in accordance with the Food Act 1984] x100	97.97%	99.00%	100%
Food safety - service cost	Cost of food safety service [Direct cost of the food safety service / Number of food premises registered or notified in accordance with the Food Act 1984]	$442.98	$ 570.73	$ 565.03
Food safety - Critical and major non-compliance	[Number of critical noncompliance outcome notifications and major noncompliance notifications about a food premises followed up / Number of critical non-compliance outcome notifications and major non-compliance notifications about a food premises] x100	96.63%	98.75%	100.00%
Library				
Library - resource standard	Recently purchased library collection [Number of library collection items purchased in the last 5 years / Number of library collection items] x100	76.69%	76.69%	76.69%

Library - service cost	Cost of library service per population [Direct cost of the library service / Population]	$46.66	$50.18	$51.57
Library - utilisation	Loans per head of population [number of library collection items loans/population]	7.35	7.24	7.18
Library - participation	Library membership [number of registered library members /population] x 100	39.79%	39.21%	38.89%
Library - participation	Library visits per head of population [number of library visits / population]	5.28	5.20	5.16
Maternal and child health				
Maternal and child health - service standard	Infant enrolments in the MCH service [Number of infants enrolled in the MCH service (from birth notifications received) / Number of birth notifications received] x100	100.00%	100.00%	100.00%
Maternal and child health - service cost	Cost of the MCH service [Cost of the MCH service / Hours worked by MCH nurses]	$79.62	$95.66	$90.50
Maternal and child health - participation	Participation in the MCH service [Number of children who attend the MCH service at least once (in the year) / Number of children enrolled in the MCH service] x100	77.14%	77.87%	78.33%

Maternal and child health - participation	Participation in the MCH service by Aboriginal children [Number of Aboriginal children who attend the MCH service at least once (in the year) / Number of Aboriginal children enrolled in the MCH service] x100	84.02%	85.71%	85.71%
Maternal and child health - satisfaction	Participation in 4-week Key Age and Stage visit [Number of 4-week key age and stage visits / Number of birth notifications received] x100	95.34%	100.00%	100.00%
Recreational facilities	Satisfaction	64	69	71

2.2 Strategic Objective 2: City Sustainability

Caring for our natural environment by promoting energy efficiency, best practice circular economy and embracing new technology.

Strategies to achieve Strategic Objective 2 are:
2.1 Our City will pursue efficiencies in our waste management system.
2.2 Our City embraces electric and low emissions vehicles.
2.3 We are a City that is focused on energy efficiency.
2.4 We are a City that uses water wisely.
2.5 We are a City that is committed to reducing its carbon footprint.
2.6 Our City will monitor and manage pest animals and plants.
2.7 We are a City that advocates for accessible and sustainable public transport.
2.8 Our City will collaborate with other agencies to achieve positive environmental outcomes.

The service categories to deliver these key strategic objectives are described below.

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Environmental Management and Sustainability	This service develops environmental policy, coordinates and implements environmental projects and works with other services to improve Council's environmental performance.	Inc	21	37	29
		Exp	(822)	(849)	(915)
		Surplus/ (deficit)	**(801)**	**(812)**	**(886)**
Waste Management & Street Cleaning	This service provides kerbside collections and processing of garbage, recycling and Food Organics Green Organics (FOGO) from all households and some commercial properties in Council. It also provides street cleaning, leaf collection and street litter bins throughout Council.	Inc	285	45	65
		Exp	(5,319)	(5,438)	(5,906)
		Surplus/ (deficit)	**(5,034)**	**(5,393)**	**(5,841)**
Parks and Gardens	This service covers a range of areas such as tree pruning, planting, removal, planning and street tree strategies, management of conservation and parkland areas, creeks and other areas of environmental significance. Parks Management provides management and implementation of open space strategies and maintenance programs.	Inc	361	433	445
		Exp	(5,140)	(5,051)	(5,574)
		Surplus/ (deficit)	**(4,779)**	**(4,618)**	**(5,129)**

Major initiatives
1) Installation of electric vehicle charging stations
2) Footpath and bike path renewal.

Other initiatives
3) Electrification implementation initiatives across council assets

Service Performance Outcome Indicators

Service	Indicator	2023-24 Actual	2024-25 Forecast	2025-26 Budget
Appearance of public areas	Satisfaction	71	73	73

Environmental sustainability	Performance	60	61	70
Waste collection	Satisfaction	69	70	70
Waste collection	Service Standard - [Number of kerbside garbage and recycling collection bins missed / Number of scheduled kerbside garbage and recycling collection bin lifts] x 10,000	8.29	4.54	4.48
Waste collection	Service cost - bin collection service [Direct cost of the kerbside garbage bin collection service / Number of kerbside garbage collection bins]	$93.99	$82.18	$101.69
Waste collection	Waste diversion - [Direct cost of the kerbside recyclables bin collection service / Number of kerbside recyclables collection bins]	$48.65	$36.96	$37.25
Waste collection	Percentage of garbage, recyclables and green organics collected from kerbside bins that is diverted from landfill	65.45%	62.70%	64.00%

2.3 Strategic Objective 3: City Futures

Activating a vibrant, liveable and safe city through enhancing outcomes for all.

Strategies to achieve Strategic Objective 3 are:
3.1 Our City activates and promotes local culture and art
3.2 Our City puts public health and safety as a priority
3.3 Our City plans for sustainable growth while accommodating a changing climate.
3.4 Our City will continue to advocate for improvements to planning frameworks for growth area developments including Development Contribution Plans
3.5 Our City is activated to be attractive to residents and visitors

The service categories to deliver these key strategic objectives are described below.

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Statutory Building Services	This service provides statutory building services to the Council community including processing of building permits.	Inc	132	144	154
		Exp	(273)	(303)	(342)
		Surplus/ (deficit)	**(141)**	**(159)**	**(188)**
City Strategy & Development	This service prepares and processes amendments to the Council Planning Scheme. This service processes statutory planning applications, provides advice and makes decisions about development proposals which require a planning permit, as well as representing Council at the Victorian Civil and Administrative Tribunal where necessary. It monitors the Council's Planning Scheme, prepares major policy documents and processes amendments to the Council Planning Scheme.	Inc	410	449	459
		Exp	(1,578)	(1,929)	(1,989)
		Surplus/ (deficit)	**(1,168)**	**(1,480)**	**(1,530)**
Livestock Exchange	The South West Victoria Livestock Exchange ceased operating during 2023-24. Ongoing costs relate to site maintenance only.	Inc	88	25	0
		Exp	(209)	(154)	(47)
		Surplus/ (deficit)	**(121)**	**(129)**	**(47)**
Holiday Parks	Provides affordable holiday accommodation that is modern, clean and well maintained in a family orientation atmosphere.	Inc	4,040	3,977	3,827
		Exp	(2,271)	(2,290)	(2,334)
		Surplus/ (deficit)	**1,769**	**1,687**	**1,493**
Flagstaff Hill Maritime Village and Visitor Information Centre	A City and Regional tourism hub open 364 days of the year that includes a Visitor Information Centre and Flagstaff Hill Maritime Village, which tells the maritime history of the region during the day and a 'Shipwrecked' Sound and Light Laser show in the evening.	Inc	1,285	1,281	1,347
		Exp	(2,349)	(2,414)	(2,298)
		Surplus/ (deficit)	**(1,064)**	**(1,133)**	**(951)**
Economic Development	Includes the industry and business -support, research and statistical analysis and project development which underpin economic development.	Inc	5	3	4
		Exp	(804)	(867)	(891)
		Surplus/ (deficit)	**(799)**	**(864)**	**(887)**

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Warrnambool Airport	This service provides a regional Airport that meets the needs of users and operates as a viable commercial enterprise to the benefit of the region.	Inc	239	241	230
		Exp	(356)	(314)	(368)
		Surplus/ (deficit)	**(117)**	**(73)**	**(138)**
Port of Warrnambool	Council manages the City's port facility on behalf of the State Government.	Inc	100	103	102
		Exp	(89)	(103)	(75)
		Surplus/ (deficit)	**11**	**0**	**27**
Festivals and Events Group	Delivers a range of promotions, festivals and events along with attracting events to the city to deliver economic benefits.	Inc	16	4	4
		Exp	(1,015)	(1,235)	(1,329)
		Surplus / (deficit)	**(999)**	**(1,231)**	**(1,325)**

Major initiatives
1) Completion of the Key Worker Accommodation project

Other initiatives
2) Planning for accessibility reimagining at Flagstaff Hill
3) Completion and implementation of the Warrnambool Futures project

Service Performance Outcome Indicators

Service	Indicator	2023-24 Actual	2024-25 Forecast	2025-26 Budget
Tourism development	Satisfaction	61	61	61
Population growth	Satisfaction - measure of community perception	51	52	57
Statutory planning	Timeliness - Time taken to decide planning applications [The median number of days between receipt of a planning application and a decision on the application]	66	65	65

Statutory planning	Service standard - Planning applications decided within required time frames [(Number of regular planning application decisions made within 60 days) + (Number of VicSmart planning application decisions made within 10 days) / Number of planning application decisions made] x100	86.59%	80.89%	80.00%
Statutory planning	Service cost - Cost of statutory planning service [Direct cost of the statutory planning service / Number of planning applications received]	$2,879.17	$3,031.93	$2,948.06
Statutory planning	Decision making -Council planning decisions upheld at VCAT [Number of VCAT decisions that did not set aside council's decision in relation to a planning application / Number of VCAT decisions in relation to planning applications] x100	75%	50%	0%

2.4 Strategic Objective 4: City Infrastructure

Renewal and maintenance of Council's infrastructure while balancing the needs of our growing city through sound asset management.
Strategies to achieve Strategic Objective 4 are:
4.1 Our City will have appropriate open space infrastructure to meet the needs of our growing community.
4.2 Our City will plan for and improve the municipal drainage network to cope with the changing environment.
4.3 Our City neighbourhoods will have a well-connected network of footpaths.
4.4 Our City's road network will be maintained to a safe and high quality standard.
4.5 We will pursue efficiencies in maintaining Council buildings.
4.6 Our City values and implements sound Strategy Asset Management with consideration to new, retirement and consolidation of assets.
4.7 Our City will continue to improve pedestrian, cycling and vehicle movements.
4.8 Our City will focus on play spaces as a key feature of local neighbourhoods.

The service categories to deliver these key strategic objectives are described below.

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Asset Maintenance	This service prepares long term maintenance management programs for Council's property assets in an integrated and prioritised manner in order to optimise their strategic value and service potential. These include buildings, pavilions, roads, footpaths and tracks and drainage.	Inc	604	667	719
		Exp	(2,983)	(3,148)	(3,427)
		Surplus/ (deficit)	**(2,379)**	**(2,481)**	**(2,708)**
Infrastructure Services	This service prepares and conducts capital works and maintenance planning for Council's main civil infrastructure assets in an integrated and prioritised manner in order to optimise their strategic value and service potential. These include roads, laneways, car parks, foot/bike paths, drains and bridges.	Inc	3,278	4,981	5,127
		Exp	(7,936)	(9,321)	(9,430)
		Surplus/ (deficit)	**(4,658)**	**(4,340)**	**(4,303)**
Regulatory Services	Local laws enforcement including parking fees and fines, public safety, animal management and traffic control.	Inc	3,305	4,082	4,351
		Exp	(2,421)	(3,190)	(3,617)
		Surplus/ (deficit)	**884**	**892**	**734**

Major initiatives
1) Construction of the Industrial Precinct Footpaths
2) Wollaston Road Duplication (Stage 1)

Other initiatives
3) Alveston House facility upgrade and renewal
4) Continued investment in Councils asset renewal program
5) Advocacy for funding towards a second Lake Pertobe play space

Service Performance Outcome Indicators

Service	Indicator	2023-24 Actual	2024-25 Forecast	2025-26 Budget
Roads	Satisfaction of use - Sealed local road requests [Number of sealed local road requests / Kilometres of sealed local roads] x100	59.38	59.38	59.38
Roads	Condition - Sealed local roads maintained to condition standards [Number of kilometres of sealed local roads below the renewal intervention level set by Council / Kilometres of sealed local roads] x100	89.69%	89.69%	89.69%
Roads	Service cost - Cost of sealed local road reconstruction [Direct cost of sealed local road reconstruction / Square metres of sealed local roads reconstructed]	$156.81	$156.81	$156.81
Roads	Service cost - Cost of sealed local road resealing [Direct cost of sealed local road resealing / Square metres of sealed local roads resealed]	$6.42	$6.42	$6.42
Roads	Satisfaction - Satisfaction with sealed local roads [Community satisfaction rating out of 100 with how council has performed on the condition of sealed local roads]	54	54	54
Appearance of public areas	Performance	71	73	73
Animal management	Timeliness - Time taken to action animal management requests [Number of days between receipt and first response action for all animal management requests / Number of animal management requests]	1	1	1
Animal management	Service standard Animals reclaimed [Number of animals reclaimed / Number of animals collected] x100	17.84%	17.84%	17.84%
Animal management	Animals rehomed [Number of animals rehomed / Number of animals collected] x100	74.45%	74.45%	74.45%
Animal management	Cost of animal management service per population [Direct cost of the animal management service / Population]	$19.06	$33.99	$36.23
Animal management	Animal management prosecutions [Number of successful animal management prosecutions / Number of animal management prosecutions] x100	0% (Nil)	0% (Nil)	0% (Nil)

2.5 Strategic Objective 5: City Leadership

We will advocate for our community and region, operate efficiently, maintain sound governance, care for our team, and embrace a rapidly changing technological landscape.

Strategies to achieve Strategic Objective 5 are:
5.1 We are a city that pursues technology and innovation – including the use of AI - for community benefit.
5.2 Our city is a leader in the South West region.
5.3 We are a city that manages financial resources sustainably.
5.4 We will promote our organisational culture and performance.
5.5 Our City will advocate strongly for our community and our region.
5.6 The City is committed to sound governance and transparent decision-making.
5.7 Our Council will operate with integrity.
5.8 The City will foster an informed community and build on the customer experience we offer.
5.9 Our City will engage with the community to help inform key decisions, plans and policies.
5.10 The City considers strategic risk in its decision making.

The service categories to deliver these key strategic objectives are described below.

Service area	Description of services provided		2023-24 Actual $'000	2024-25 Forecast $'000	2025-26 Budget $'000
Governance & Elected Council	Elected Council governs our City in partnership with and on behalf of our community, and encourages and facilitates participation of all people in civic life. Also includes contributions made to community groups and organisations.	Inc	15	-	-
		Exp	(685)	(1,197)	(941)
		Surplus/ (deficit)	**(670)**	**(1,197)**	**(941)**
Executive Services	Manages and facilitates the Council governance service, implementation of Council decisions and policies and compliance with the legislative requirements.	Inc	-	-	-
		Exp	(590)	(538)	(567)
		Surplus/ (deficit)	**(590)**	**(538)**	**(567)**
Communications & Customer Service	Provides a customer interface for various service units and a wide range of transactions. Includes media and marketing.	Inc	-	-	-
		Exp	(1,140)	(1,199)	(1,382)
		Surplus/ (deficit)	**(1,140)**	**(1,199)**	**(1,382)**
Volunteer Services	Volunteer Connect provides support and guidance to organisations and community groups that involve volunteers in their work, and provides a volunteer matching service to bring together volunteer roles, and volunteers to fill them.	Inc	-	-	-
		Exp	(169)	(152)	(173)
		Surplus/ (deficit)	**(169)**	**(152)**	**(173)**
Information Services	Enables Council staff to have access to the information they require to efficiently perform their functions. Includes software support, licensing and lease commitments.	Inc	-	53	-
		Exp	(2,767)	(3,239)	(3,896)
		Surplus/ (deficit)	**(2,767)**	**(3,186)**	**(3,896)**

Organisation Development & Risk Management	This service promotes and implements positive HR strategies to assist staff reach their full potential and, at the same time are highly productive in delivering Council's services to the community. Includes recruitment, staff inductions, training, implementation of the Corporate Risk Management Framework and managing Council's insurance portfolio.	Inc	307	99	-
		Exp	(1,821)	(1,870)	(2,044)
		Surplus/ (deficit)	**(1,514)**	**(1,771)**	**(2,044)**
Corporate & Financial Services	Provides corporate support to Council and all divisions/branches in meeting organisational goals and objectives and includes banking and treasury functions, loan interest, audit, grants commission, legal, procurement, overhead costs including utilities and unallocated grants commission funding.	Inc	3,814	8,078	7,895
		Exp	(3,981)	(4,564)	(4,666)
		Surplus/ (deficit)	**(167)**	**3,514**	**3,229**
Depreciation	Depreciation is the allocation of expenditure write down on all of Council's assets over there useful lives.	Inc	-	-	-
		Exp	(23,795)	(19,031)	(20,456)
		Surplus/ (deficit)	**(23,795)**	**(19,031)**	**(20,456)**

Major initiatives
1) Coastal Connect (Regional Council Transformation Program) with Moyne and Corangamite Shires
2) Introduce changes through the Gender Equality Action Plan.

Other initiatives
3) Advocacy by Council on issues outlined in the Advocacy Plan.
4) Cyber Security and digital connectivity programs

Service	Indicator	2023-24 Actual	2024-25 Forecast	2025-26 Budget
Governance	Transparency - Council decisions made at meetings closed to the public [Number of Council resolutions made at ordinary or special meetings of Council, or at meetings of a special committee consisting only of Councillors, closed to the public / Number of Council resolutions made at ordinary or special meetings of Council or at meetings of a special committee consisting only of Councillors] x100	8.24%	8.24%	8.24%
Governance	Consultation and engagement - Satisfaction with community consultation and engagement Community satisfaction rating out of 100 with how Council has performed on community consultation and engagement	48	49	49
Governance	Attendance - Councillor attendance at council meetings [The sum of the number of Councillors who attended each ordinary and special Council meeting / (Number of ordinary and special Council meetings) × (Number of Councillors elected at the last Council general election)] x100	93.41%	100.00%	100.00%

Governance	Service cost - Cost of elected representation [Direct cost of the governance service / Number of Councillors elected at the last Council general election]	$59,011.29	$60,908.57	$56,271.43
Governance	Satisfaction - Satisfaction with council decisions [Community satisfaction rating out of 100 with how council has performed in making decisions in the interest of the community]	46	48	48
Financial performance	Revenue level - Average rate per property assessment [General rates and Municipal charges / Number of property assessments]	$2,107.11	$2,180.22	$2,237.61
Financial performance	Expenditure level - Expenses per property assessment [Total expenses / Number of property assessments]	$5,256.62	$5,448.07	$5,221.85
Financial performance	Workforce turnover - Percentage of staff turnover [Number of permanent staff resignations and terminations / Average number of permanent staff for the financial year] x100	10.90%	10.90%	10.90%
Financial performance	Working capital - Current assets compared to current liabilities [Current assets / Current liabilities] x100	255.95%	230.70%	174.54%
Financial performance	Unrestricted cash - Unrestricted cash compared to current liabilities [Unrestricted cash / Current liabilities] x100	-50.26%	-21.38%	-22.57%
Financial performance	Asset renewal - Asset renewal and upgrade compared to depreciation [Asset renewal and asset upgrade expense / Asset depreciation] x100	74.90%	59.61%	52.33%
Financial performance	Loans and borrowings - Loans and borrowings compared to rates [Interest bearing loans and borrowings / Rate revenue] x100	18.01%	16.73%	21.83%
Financial performance	Loans and borrowings - repayments compared to rates [Interest and principal repayments on interest bearing loans and borrowings / Rate revenue] x100	3.84%	4.11%	3.70%
Financial performance	Indebtedness - Non-current liabilities compared to own source revenue [Non-current liabilities / Own source revenue] x100	12.29%	10.00%	12.91%
Financial performance	Adjusted underlying result - Adjusted underlying surplus (or deficit) [Adjusted underlying surplus (deficit)/ Adjusted underlying revenue] x100	-10.31%	-7.75%	-3.00%

Financial performance	Rates concentration - Rates compared to adjusted underlying revenue	52.92%	51.43%	52.48%
Financial performance	Rates effort - Rates compared to property values [Rate revenue / Capital improved value of rateable properties in the municipality] x100	0.41%	0.42%	0.45%

2.3 Reconciliation with budgeted operating result

	Surplus/ (Deficit)	Expenditure	Income / Revenue
	$'000	$'000	$'000
Strategic Objective 1 - City Wellbeing	(6,576)	(27,863)	21,287
Strategic Objective 2 - City Sustainability	(11,856)	(12,395)	539
Strategic Objective 3 - City Futures	(3,546)	(9,673)	6,127
Strategic Objective 4 - City Infrastructure	(6,277)	(16,474)	10,197
Strategic Objective 5 - City Leadership	(5,774)	(13,669)	7,895
Total	**(34,029)**	**(80,074)**	**46,045**
Expenses added in:			
Depreciation	(20,456)		
Operating projects	(1,984)		
Others	(1,323)		
Surplus/(Deficit) before funding sources	**(57,792)**		
Funding sources added in:			
Rates and charges revenue	50,471		
Grants - Operational projects	229		
Grants - Capital	5,768		
Contributions - Monetary	3,477		
Contributions - Non Monetary	5,000		
Net gain (or loss) on disposal	344		
Total funding sources	**65,289**		
Operating surplus/(deficit) for the year	**7,497**		

3. Financial Statements

This section presents information in regard to the Financial Statements and Statement of Human Resources. The budget information for the year 2025-26 has been supplemented with projections to 2028-29.

This section includes the following financial statements prepared in accordance with the *Local Government Act 2020* and the *Local Government (Planning and Reporting) Regulations 2020*.

- Comprehensive Income Statement
- Balance Sheet
- Statement of Changes in Equity
- Statement of Cash Flows
- Statement of Capital Works
- Statement of Human Resources

Comprehensive Income Statement
For the four years ending June 30, 2029

		Forecast Actual	Budget	Projections		
		2024/25	2025/26	2026/27	2027/28	2028/29
	NOTES	$'000	$'000	$'000	$'000	$'000
Income / Revenue						
Rates and charges	4.1.1	48,727	**50,471**	52,237	54,065	55,958
Statutory fees and fines	4.1.2	2,603	**2,642**	2,714	2,782	2,852
User fees	4.1.3	19,505	**19,932**	20,430	20,941	21,464
Grants - operating	4.1.4	17,181	**16,255**	16,661	17,078	18,005
Grants - capital	4.1.4	7,257	**5,768**	6,494	11,629	8,559
Contributions - monetary	4.1.5	2,674	**3,477**	984	1,009	1,034
Contributions - non-monetary	4.1.5	7,500	**5,000**	5,000	5,000	5,000
Net gain (or loss) on disposal of property, infrastructure, plant and equipment		379	**344**	353	362	371
Other income	4.1.6	4,183	**2,656**	2,177	2,231	2,287
Total income / revenue		110,009	**106,545**	107,050	115,097	115,530
Expenses						
Employee costs	4.1.7	45,070	**46,843**	48,225	49,745	51,314
Materials and services	4.1.8	36,562	**30,296**	30,444	31,205	31,985
Depreciation	4.1.9	19,031	**20,456**	21,976	22,627	23,740
Depreciation - right of use assets	4.1.10	501	**544**	586	602	445
Bad and doubtful debts		150	**153**	157	160	164
Borrowing costs		179	**191**	338	400	435
Finance costs - leases		49	**48**	36	25	14
Other expenses	4.1.11	544	**517**	530	543	557
Total expenses		102,086	**99,048**	102,292	105,307	108,654
Surplus/(deficit) for the year		7,923	**7,497**	4,758	9,790	6,876
Other comprehensive income						
Items that will not be reclassified to surplus or deficit in future periods						
Net asset revaluation gain /(loss)		12,316	**16,369**	13,070	14,784	17,275
Total other comprehensive income		12,316	**16,369**	13,070	14,784	17,275
Total comprehensive result		20,239	23,866	17,828	24,574	24,151

Balance Sheet
For the four years ending June 30, 2029

	NOTES	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Projections 2026/27 $'000	2027/28 $'000	2028/29 $'000
Assets						
Current assets						
Cash and cash equivalents		4,811	**4,637**	6,231	5,807	6,085
Trade and other receivables		5,702	**4,659**	4,262	4,261	4,264
Other financial assets		29,917	**18,917**	19,917	17,917	19,917
Inventories		195	**180**	181	182	184
Prepayments		1,025	**833**	835	856	878
Other assets		2,194	**2,194**	2,194	2,194	2,194
Total current assets	4.2.1	43,844	**31,420**	33,620	31,217	33,522
Non-current assets						
Other financial assets		2	**2**	2	2	2
Property, infrastructure, plant & equipment		818,811	**856,327**	873,137	898,753	926,584
Right-of-use assets	4.2.4	1,767	**1,823**	1,887	1,935	1,990
Total non-current assets	4.2.1	820,580	**858,152**	875,026	900,690	928,576
Total assets		864,424	**889,572**	908,646	931,907	962,098
Liabilities						
Current liabilities						
Trade and other payables		5,941	**4,825**	4,841	4,962	5,086
Trust funds and deposits		1,215	**1,175**	1,187	1,199	1,211
Contract and other liabilities		2,444	**2,202**	1,666	1,708	1,800
Provisions		7,465	**7,643**	7,825	8,012	8,203
Interest-bearing liabilities	4.2.3	1,492	**1,446**	1,738	1,804	1,836
Lease liabilities	4.2.4	448	**711**	892	692	1,241
Total current liabilities	4.2.2	19,005	**18,002**	18,149	18,377	19,377
Non-current liabilities						
Provisions		923	**937**	952	967	983
Interest-bearing liabilities	4.2.3	5,341	**7,818**	9,021	7,217	12,735
Lease liabilities	4.2.4	1,272	**1,066**	947	1,195	701
Total non-current liabilities	4.2.2	7,536	**9,821**	10,920	9,379	14,419
Total liabilities		26,541	**27,823**	29,069	27,756	33,796
Net assets		837,883	**861,749**	879,577	904,151	928,302
Equity						
Accumulated surplus		289,140	**307,371**	311,129	319,919	325,795
Reserves		521,011	**537,380**	550,450	565,234	582,509
Other Reserves		27,732	**16,998**	17,998	18,998	19,998
Total equity		837,883	**861,749**	879,577	904,151	928,302

Statement of changes in equity
For the four years ending June 30, 2029

	NOTES	Total $'000	Accumulated Surplus $'000	Revaluation Reserve $'000	Other Reserves $'000
2025 Forecast Actual					
Balance at beginning of the financial year		817,644	291,291	508,695	17,658
Surplus/(deficit) for the year		7,923	7,923	-	-
Net asset revaluation gain/(loss)		12,316	-	12,316	-
Transfers to other reserves		-	(22,129)	-	22,129
Transfers from other reserves		-	12,055	-	(12,055)
Balance at end of the financial year		**837,883**	**289,140**	**521,011**	**27,732**
2026 Budget					
Balance at beginning of the financial year		**837,883**	**289,140**	**521,011**	**27,732**
Surplus/(deficit) for the year		**7,497**	**7,497**	-	-
Net asset revaluation gain/(loss)		**16,369**		**16,369**	-
Transfers to other reserves	4.3.1	-	**(12,004)**	-	**12,004**
Transfers from other reserves	4.3.1	-	**22,738**	-	**(22,738)**
Balance at end of the financial year	4.3.2	**861,749**	**307,371**	**537,380**	**16,998**
2027					
Balance at beginning of the financial year		861,749	307,371	537,380	16,998
Surplus/(deficit) for the year		4,758	4,758	-	-
Net asset revaluation gain/(loss)		13,070	-	13,070	-
Transfers to other reserves		-	(12,500)	-	12,500
Transfers from other reserves		-	11,500	-	(11,500)
Balance at end of the financial year		**879,577**	**311,129**	**550,450**	**17,998**
2028					
Balance at beginning of the financial year		879,577	311,129	550,450	17,998
Surplus/(deficit) for the year		9,790	9,790	-	-
Net asset revaluation gain/(loss)		14,784	-	14,784	-
Transfers to other reserves		-	(12,500)	-	12,500
Transfers from other reserves		-	11,500	-	(11,500)
Balance at end of the financial year		**904,151**	**319,919**	**565,234**	**18,998**
2029					
Balance at beginning of the financial year		904,151	319,919	565,234	18,998
Surplus/(deficit) for the year		6,876	6,876	-	-
Net asset revaluation gain/(loss)		17,275	-	17,275	-
Transfers to other reserves		-	(12,500)	-	12,500
Transfers from other reserves		-	11,500	-	(11,500)
Balance at end of the financial year		**928,302**	**325,795**	**582,509**	**19,998**

Statement of cash flows
For the four years ending June 30, 2029

	Notes	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Projections 2026/27 $'000	2027/28 $'000	2028/29 $'000
		Inflows (Outflows)	**Inflows (Outflows)**	Inflows (Outflows)	Inflows (Outflows)	Inflows (Outflows)
Cash flows from operating activities						
Rates and charges		48,864	**50,433**	52,199	54,026	55,916
Statutory fees and fines		1,950	**2,539**	2,647	2,719	2,787
User fees		19,505	**19,932**	20,430	20,941	21,464
Grants - operating		16,732	**16,086**	16,128	17,120	18,098
Grants - capital		5,931	**5,696**	6,494	11,629	8,559
Contributions - monetary		2,674	**3,477**	984	1,009	1,034
Interest received		2,107	**1,860**	1,907	1,954	2,003
Trust funds and deposits taken		1,215	**1,175**	1,187	1,199	1,211
Other receipts		994	**1,828**	617	220	222
Employee costs		(44,882)	**(46,650)**	(48,027)	(49,544)	(51,108)
Materials and services		(35,738)	**(31,205)**	(30,431)	(31,107)	(31,884)
Trust funds and deposits repaid		(2,403)	**(1,215)**	(1,175)	(1,187)	(1,199)
Other payments		(544)	**(517)**	(530)	(543)	(557)
Net cash provided by/(used in) operating activities	4.4.1	16,405	**23,439**	22,430	28,436	26,546
Cash flows from investing activities						
Payments for property, infrastructure, plant and equipment		(26,062)	**(36,604)**	(20,724)	(28,456)	(29,295)
Proceeds from sale of property, infrastructure, plant and equipment		379	**344**	353	362	371
Payments for investments		(48,000)	**(37,000)**	(38,000)	(36,000)	(38,000)
Proceeds from sale of investments		61,083	**48,000**	37,000	38,000	36,000
Net cash provided by/ (used in) investing activities	4.4.2	(12,600)	**(25,260)**	(21,371)	(26,094)	(30,924)
Cash flows from financing activities						
Finance costs		(179)	**(191)**	(338)	(400)	(435)
Proceeds from borrowings		-	**4,000**	3,000	-	7,500
Repayment of borrowings		(1,679)	**(1,570)**	(1,504)	(1,738)	(1,950)
Interest paid - lease liability		(49)	**(48)**	(36)	(25)	(14)
Repayment of lease liabilities		(621)	**(544)**	(587)	(603)	(445)
Net cash provided by/(used in) financing activities	4.4.3	(2,528)	**1,647**	535	(2,766)	4,656
Net increase/(decrease) in cash & cash equivalents		1,277	**(174)**	1,594	(424)	278
Cash and cash equivalents at the beginning of the financial year		3,534	**4,811**	4,637	6,231	5,807
Cash and cash equivalents at the end of the financial year		4,811	**4,637**	6,231	5,807	6,085

Statement of capital works
For the four years ending June 30, 2029

		Forecast Actual	Budget	Projections		
		2024/25	2025/26	2026/27	2027/28	2028/29
	NOTES	$'000	$'000	$'000	$'000	$'000
Property						
Land		-	-	2,250	214	-
Land improvements		132	-	-	-	-
Total land		132	-	2,250	214	-
Buildings		4,473	**11,720**	3,193	9,129	2,185
Total buildings		4,473	**11,720**	3,193	9,129	2,185
Total property		4,605	**11,720**	5,443	9,343	2,185
Plant and equipment						
Plant, machinery and equipment		2,722	**1,791**	1,494	1,538	1,584
Computers and telecommunications		2,092	**3,732**	288	297	306
Library books		340	**177**	288	297	306
Other Plant & Eqiupment		181	**20**	21	21	22
Total plant and equipment		5,335	**5,720**	2,091	2,153	2,218
Infrastructure						
Roads		6,304	**13,157**	5,760	4,403	3,988
Bridges		181	**450**	515	530	306
Footpaths and cycleways		2,218	**2,058**	2,081	2,143	2,207
Drainage		627	**877**	644	133	137
Recreational, leisure and community facilities		4,695	**2,055**	2,783	6,579	15,342
Parks, open space and streetscapes		539	**402**	556	573	590
Aerodromes		220	**70**	304	313	49
Off street car parks		897	**-**	-	-	-
Other infrastructure		441	**95**	547	2,286	2,273
Total infrastructure		16,122	**19,164**	13,190	16,960	24,892
Total capital works expenditure	4.5.1	26,062	**36,604**	20,724	28,456	29,295
Represented by:						
New asset expenditure		5,366	**6,055**	5,052	4,161	12,951
Asset renewal expenditure		11,144	**10,705**	9,481	9,235	9,403
Asset expansion expenditure		200	**-**	-	-	-
Asset upgrade expenditure		9,352	**19,844**	6,191	15,060	6,941
Total capital works expenditure	4.5.1	26,062	**36,604**	20,724	28,456	29,295
Funding sources represented by:						
Grants		7,257	**5,768**	6,494	11,629	8,559
Contributions		475	**2,316**	105	161	366
Council cash		18,330	**24,520**	11,125	16,666	12,870
Borrowings		-	**4,000**	3,000	-	7,500
Total capital works expenditure	4.5.1	26,062	**36,604**	20,724	28,456	29,295

Statement of human resources
For the four years ending June 30, 2029

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Projections 2026/27 $'000	2027/28 $'000	2028/29 $'000
Staff expenditure					
Employee costs - operating	45,070	**46,843**	48,225	49,745	51,314
Employee costs - capital	459	**569**	585	601	618
Total staff expenditure	45,529	**47,412**	48,810	50,346	51,932
	FTE	**FTE**	FTE	FTE	FTE
Staff numbers					
Employees	439.8	**453.2**	453.2	453.2	453.2
Total staff numbers	439.8	**453.2**	453.2	453.2	453.2

A summary of human resources expenditure categorised according to the organisational structure of Council is included below.

Department	Budget 2025/26 $'000	Comprises: Permanent Full Time $'000	Permanent Part time $'000	Casual $'000	Temporary $'000
Corporate Strategies	**7,186**	5,177	1,831	178	-
City Infrastructure & Environment	**11,718**	10,728	643	347	-
City Wellbeing	**16,135**	6,882	7,233	2,020	-
City Futures	**9,998**	5,928	2,872	1,198	-
Executive	**1,806**	1,264	476	66	-
Total permanent staff expenditure	**43,034**	29,979	13,055	3,809	-
Other employee related expenditure	**3,809**				
Capitalised labour costs	**569**				
Total expenditure	**47,412**				

A summary of the number of full-time (FTE) Council staff in relation to the above expenditure is included below.

Department	Budget 2025/26	Comprises: Permanent Full Time	Permanent Part time	Casual	Temporary
Corporate Strategies	**68.6**	50.2	17.4	1.0	-
City Infrastructure & Environment	**108.0**	100.3	5.0	2.7	-
City Wellbeing	**176.8**	72.4	83.2	21.2	-
City Futures	**92.8**	48.7	32.9	11.3	-
Executive	**7.0**	4.0	3.0	-	-
Total staff	**453.2**	276	142	36	-

Summary of Planned Human Resources Expenditure
For the four years ending 30 June 2029

Human Resources expenditure by Directorate:

	2025/26 $'000	2026/27 $'000	2027/28 $'000	2028/29 $'000
Corporate Strategies				
Permanent - Full time	5,177	5,330	5,498	5,671
Women	2,761	2,842	2,932	3,024
Men	2,416	2,488	2,566	2,647
Persons of self-described gender	-	-	-	-
Permanent - Part time	1,831	1,885	1,945	2,006
Women	976	1,005	1,037	1,070
Men	855	880	908	936
Persons of self-described gender	-	-	-	-
Total Corporate Strategies	**7,008**	**7,215**	**7,443**	**7,677**
City Infrastructure & Environment				
Permanent - Full time	10,729	11,043	11,394	11,753
Women	2,213	2,278	2,350	2,424
Men	8,516	8,765	9,044	9,329
Persons of self-described gender	-	-	-	-
Permanent - Part time	643	662	683	705
Women	576	593	611	631
Men	67	69	72	74
Persons of self-described gender	-	-	-	-
Total City Infrastructure & Environment	**11,372**	**11,705**	**12,077**	**12,458**
City Wellbeing				
Permanent - Full time	6,882	7,086	7,308	7,539
Women	6,161	6,343	6,542	6,749
Men	721	743	766	790
Persons of self-described gender	-	-	-	-
Permanent - Part time	7,233	7,446	7,681	7,923
Women	6,475	6,666	6,876	7,093
Men	758	780	805	830
Persons of self-described gender	-	-	-	-
Total City Wellbeing	**14,115**	**14,532**	**14,989**	**15,462**
City Futures				
Permanent - Full time	5,928	6,103	6,295	6,493
Women	3,055	3,145	3,244	3,346
Men	2,873	2,958	3,051	3,147
Persons of self-described gender	-	-	-	-
Permanent - Part time	2,872	2,957	3,050	3,146
Women	1,480	1,524	1,572	1,621
Men	1,392	1,433	1,478	1,525
Persons of self-described gender	-	-	-	-
Total City Futures	**8,800**	**9,060**	**9,345**	**9,639**
Executive				
Permanent - Full time	1,264	1,302	1,342	1,385
Women	882	908	936	966
Men	382	394	406	419
Persons of self-described gender	-	-	-	-
Permanent - Part time	476	490	506	522
Women	332	342	353	364
Men	144	148	153	158
Persons of self-described gender	-	-	-	-
Executive	**1,740**	**1,792**	**1,848**	**1,907**
Casuals, temporary and other expenditure	**3,808**	**3,921**	**4,043**	**4,171**
Capitalised labour costs	**569.0**	**585.0**	**601.0**	**618.0**
Total staff expenditure	**47,412**	**48,810**	**50,346**	**51,932**

Human Resources allocated by Directorate:

	2025/26 FTE	2026/27 FTE	2027/28 FTE	2028/29 FTE
Corporate Strategies				
Permanent - Full time	48.2	48.2	48.2	48.2
Women	25.7	25.7	25.7	25.7
Men	22.5	22.5	22.5	22.5
Persons of self-described gender	0.0	0.0	0.0	0.0
Permanent - Part time	17.4	17.4	17.4	17.4
Women	9.3	9.3	9.3	9.3
Men	8.1	8.1	8.1	8.1
Persons of self-described gender	0.0	0.0	0.0	0.0
Total Corporate Strategies	**65.6**	**65.6**	**65.6**	**65.6**
City Infrastructure & Environment				
Permanent - Full time	98.3	98.3	98.3	98.3
Women	20.3	20.3	20.3	20.3
Men	78.0	78.0	78.0	78.0
Persons of self-described gender	0.0	0.0	0.0	0.0
Permanent - Part time	5.0	5.0	5.0	5.0
Women	1.0	1.0	1.0	1.0
Men	4.0	4.0	4.0	4.0
Persons of self-described gender	0.0	0.0	0.0	0.0
Total City Infrastructure & Environment	**103.3**	**103.3**	**103.3**	**103.3**
City Wellbeing				
Permanent - Full time	72.4	72.4	72.4	72.4
Women	64.8	64.8	64.8	64.8
Men	7.6	7.6	7.6	7.6
Persons of self-described gender	0.0	0.0	0.0	0.0
Permanent - Part time	83.1	83.1	83.1	83.1
Women	74.4	74.4	74.4	74.4
Men	8.7	8.7	8.7	8.7
Persons of self-described gender	0.0	0.0	0.0	0.0
Total City Wellbeing	**155.5**	**155.5**	**155.5**	**155.5**
City Futures				
Permanent - Full time	48.7	48.7	48.7	48.7
Women	25.1	25.1	25.1	25.1
Men	23.6	23.6	23.6	23.6
Persons of self-described gender	0.0	0.0	0.0	0.0
Permanent - Part time	32.9	32.9	32.9	32.9
Women	17.0	17.0	17.0	17.0
Men	15.9	15.9	15.9	15.9
Persons of self-described gender	0.0	0.0	0.0	0.0
Total City Futures	**81.6**	**81.6**	**81.6**	**81.6**
Executive				
Permanent - Full time	4.0	4.0	4.0	4.0
Women	2.8	2.8	2.8	2.8
Men	1.2	1.2	1.2	1.2
Persons of self-described gender	0.0	0.0	0.0	0.0
Permanent - Part time	3.0	3.0	3.0	3.0
Women	2.1	2.1	2.1	2.1
Men	0.9	0.9	0.9	0.9
Persons of self-described gender	0.0	0.0	0.0	0.0
Executive	**7.0**	**7.0**	**7.0**	**7.0**
Casuals and temporary staff	**36.3**	**36.3**	**36.3**	**36.3**
Capitalised labour	**3.9**	**3.9**	**3.9**	**3.9**
Total staff numbers	**453.2**	**453.2**	**453.2**	**453.2**

4. Notes to the financial statements

This section presents detailed information on material components of the financial statements. Council needs to assess which components are material, considering the dollar amounts and nature of these components.

4.1 Comprehensive Income Statement

4.1.1 Rates and charges

Rates and charges are required by the Act and the Regulations to be disclosed in Council's budget.

As per the Local Government Act 2020, Council is required to have a Revenue and Rating Plan which is a four year plan for how Council will generate income to deliver the Council Plan, program and services and capital works commitments over a four-year period.

In developing the Budget, rates and charges were identified as an important source of revenue. Planning for future rate increases has therefore been an important component of the financial planning process. The Fair Go Rates System (FGRS) sets out the maximum amount councils may increase rates in a year. For 2025-26 the FGRS cap has been set at **3.00%.** The cap applies to both general rates and municipal charges and is calculated on the basis of council's average rates and charges. Council's budget has been prepared in line with the rate cap.

A $250 financial hardship rebate will also be available to ratepayers via an application process.

The level of required rates and charges has been considered in this context, with reference to Council's other sources of income and the planned expenditure on services and works to be undertaken for the community.

This will raise total rates and charges for 2025-26 to **$50.4** million.

4.1.1(a) The reconciliation of the total rates and charges to the Comprehensive Income Statement is as follows:

	2024-25	2025-26	Change	
	$'000	$'000	$'000	%
General rates*	35,112	**36,457**	1,345	3.83%
Municipal charge*	5,667	**5,908**	241	4.25%
Waste management charge	7,436	**7,826**	390	5.24%
Supplementary rates and rate adjustments	338	**101**	(237)	-70.01%
Recreational land	74	**78**	4	5.92%
Interest on rates and charges	100	**100**	0	0.00%
Total rates and charges	48,727	50,471	1,744	3.58%

**These items are subject to the rate cap established under the FGRS.*

4.1.1(b) The rate in the dollar to be levied as general rates under section 158 of the Act for each type or class of land compared with the previous financial year.

Type or class of land	2024-25 cents/$CIV*	2025-26 cents/$CIV*	Change
General rate for rateable **general residential** properties	0.27357	**0.28951**	5.83%
General rate for rateable **farm land** properties	0.15423	**0.15904**	3.12%
General rate for rateable **commercial** properties	0.56230	**0.57630**	2.49%
General rate for rateable **industrial** properties	0.50195	**0.50698**	1.00%
General rate for rateable **vacant land** properties	0.42099	**0.45375**	7.78%
Recreational land category 1 properties	23,933.00	**24,651.09**	3.00%
Recreational land category 2 properties	0.21338	**0.22450**	5.21%

Note: Rate in the dollar figures are updated in line with the Valuer-General Victoria's property valuations as at May 2025.

4.1.1(c) The estimated total amount to be raised by general rates in relation to each type or class of land, and the estimated total amount to be raised by general rates, compared with the previous financial year

Type or class of land	2024-25 $'000	2025-26 $'000	Change $'000	Change %
General Residential land	25,142	**26,304**	1,162	4.62%
Farm land	475	**496**	21	4.40%
Commercial land	5,841	**5,895**	55	0.94%
Industrial land	2,049	**2,157**	108	5.26%
Vacant land	1,605	**1,604**	- 2	-0.09%
Recreational land category 1 properties	24	**25**	1	3.00%
Recreational land category 2 properties	50	**54**	4	7.80%
Total amount to be raised by general rates	**35,186**	**36,535**	**1,349**	**3.83%**

4.1.1(d) The number of assessments in relation to each type or class of land, and the total number of assessments, compared with the previous financial year.

Type or class of land	2024-25 Number	2025-26 Number	Change Number	Change %
General Residential land	16,274	**16,522**	248	1.52%
Farm land	161	**163**	2	1.24%
Commercial land	950	**945**	(5)	-0.53%
Industrial land	466	**467**	1	0.21%
Vacant land	871	**855**	(16)	-1.84%
Recreational land category 1 properties	1	**1**	0	0.00%
Recreational land category 2 properties	15	**15**	0	0.00%
Total number of assessments	**18,738**	**18,968**	**230**	**1.23%**

4.1.1(e) The basis of valuation to be used is the Capital Improved Value (CIV)

4.1.1(f) The estimated total value of each type or class of land, and the estimated total value of land, compared with the previous financial year.

Type or class of land	2024-25 $'000	2025-26 $'000	Change $'000	Change %
General Residential land	9,190,313	**9,085,800**	- 104,513	-1.14%
Farm land	308,230	**312,060**	3,830	1.24%
Commercial land	1,038,694	**1,022,949**	- 15,745	-1.52%
Industrial land	408,302	**425,532**	17,230	4.22%
Vacant land	381,308	**353,442**	- 27,866	-7.31%
Recreational land category 1 properties	2,970	**2,780**	- 190	-6.40%
Recreational land category 2 properties	23,357	**23,932**	575	2.46%
Total value of land	**11,353,174**	**11,226,495**	**- 126,679**	**-1.12%**

4.1.1(g) The municipal charge under Section 159 of the Act compared with the previous financial year.

Type of Charge	Per Rateable Property 2024-25 $	Per Rateable Property 2025-26 $	Change $	Change %
Municipal	$ 302.75	**$ 311.80**	9.05	**2.99%**

4.1.1(h) The estimated total amount to be raised by municipal charges compared with the previous financial year.

Type of Charge	2024-25 $'000	2025-26 $'000	Change $'000	Change %
Municipal	5,667	**5,908**	241	**4.25%**

4.1.1(i) The rate or unit amount to be levied for each type of service rate or charge under Section 162 of the Act compared with the previous financial year.

Type of Charge	Per Rateable Property 2024-25 $	Per Rateable Property 2025-26 $	Change $	Change %
Waste Management charge	417.00	**$433.45**	16.45	**3.94%**

4.1.1(j) The estimated total amount to be raised by each type of service rate or charge, and the estimated total amount to be raised by service rates and charges, compared with the previous financial year.

Type of Charge	2024-25 $'000	2025-26 $'000	Change $'000	Change %
Waste Management charge	7,436	**7,826**	390	**5.24%**

4.1.1(k) The estimated total amount to be raised by all rates and charges compared with the previous financial year (excluding Recreational and Cultural Land and interest).

	2024-25 $'000	2025-26 $'000	Change $'000	Change %
Rates and Charges	48,215	**50,191**	1,976	4.10%
Supplementary Rates	338	**101**	(237)	-70.01%
Total Rates and charges	**48,553**	**50,292**	**1,739**	**3.58%**

4.1.1(l) Fair Go Rates System Compliance

Victoria City Council is required to comply with the State Government's Fair Go Rates System (FGRS). The table below details the budget assumptions consistent with the requirements of the Fair Go Rates System.

	2024-25	2025-26
Total Rates (budgeted)	$ 39,760,002	$ 41,208,297
Budgeted Number of rateable properties	18,738	18,968
Base Average Rate	$ 2,122	$ 2,173
Maximum Rate Increase (set by the State Government)	**2.75%**	**3.00%**
Capped Average Rate	$ 2,180	$ 2,238
Maximum General Rates and Municipal Charges Revenue	$ 40,853,402	$ 42,444,546
Budgeted General Rates and Municipal Charges Revenue	$ 40,853,402	$ 42,443,325
Budgeted Supplementary Rates	$ 288,434	$ 101,383
Budgeted Total Rates and Municipal Charges Revenue	$ 41,141,836	$ 42,544,708

4.1.1(m) Any significant changes that may affect the estimated amounts to be raised by rates and charge

There are no known significant changes which may affect the estimated amounts to be raised by rates and charges. However, the total amount to be raised by rates and charges may be affected by:

- The making of supplementary valuations (2025-26: estimated $0.10m and 2024-25: $0.34m)
- The variation of returned levels of value (e.g. valuation appeals)
- Changes of use of land such that rateable land becomes non-rateable land and vice versa
- Changes of use of land such that residential land becomes business land and vice versa.

4.1.1(n) Differential rates

The rate and amount of rates payable in relation to land in each category of differential are:

- A general rate of 0.2895% (0.2895 cents in the dollar of CIV) for all rateable other land properties;
- A general rate of 0.1590% (0.1590 cents in the dollar of CIV) for all rateable farm land properties;
- A general rate of 0.5763% (0.5763 cents in the dollar of CIV) for all rateable commercial properties;
- A general rate of 0.5070% (0.5070 cents in the dollar of CIV) for all rateable industrial properties;
- A general rate of 0.4538% (0.4538 cents in the dollar of CIV) for all rateable vacant land properties; and

Each differential rate will be determined by multiplying the Capital Improved Value of each rateable land (categorised by the characteristics described below) by the relevant percentages indicated above.

Council considers that each differential rate will contribute to the equitable and efficient carrying out of council functions. Details of the objectives of each differential rate, the types of classes of land, which are subject to each differential rate and the uses of each differential rate, are set out below.

Commercial land

Commercial land is any land, which is:

- Occupied for the principal purpose of carrying out the manufacture/production of, or trade in, goods or services; or
- Unoccupied but zoned commercial under the Warrnambool City Planning Scheme.

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:

- Construction and maintenance of infrastructure assets;
- Development and provision of health and community services;
- Economic development and planning services, having direct benefit to the use of Commercial Land; and
- Provision of general support services.

The types and classes of rateable land within this differential rate are those having the relevant characteristics described below.

1. Rateable property used for income generation from business and administrative purposes, including, but not limited to, properties used for:

- The sale or hire of goods by retail or trade sales, e.g. shops, auction rooms, milk bars, newsagents;
- The manufacture of goods where the goods are sold on the property;
- The provision of entertainment, e.g. theatres, cinemas, amusement parlours;
- Media establishments, e.g. radio stations, newspaper offices, television stations;
- The provision of accommodation other than residential, e.g. motels, caravan parks, camping grounds, camps, accommodation houses, hostels, boarding houses;
- The provision of hospitality, e.g. hotels, bottle shops, restaurants, cafes, takeaway food establishments, tearooms;
- Tourist and leisure industry, e.g. flora and fauna parks, gymnasiums, boatsheds, indoor sports stadiums, gaming establishments;
- The provision of education, e.g. schools, museums, art galleries;
- Showrooms, e.g. display of goods;
- Religious purposes; and
- Public offices and halls.

2. Properties used for the provision of health services including, but not limited to, properties used for hospitals, nursing homes, rehabilitation, medical practices and dental practices.

3. Properties used as offices including, but not limited to, properties used for legal practices, real estate agents, veterinary surgeons, accounting firms and advertising agencies.

The money raised by the differential rate will be applied to the items of expenditure described in the budget by Council. The level of the rate for land in this category is considered to provide for an appropriate contribution to Council's budgeted expenditure, having regard to the characteristics of the land. The geographic location of the land within this differential rate is wherever located within the municipal district.

The use of the land within this differential rate, in the case of improved land, is any use of land permitted under the relevant Planning Scheme. The characteristics of planning scheme zoning is the zoning applicable to each rateable land within this category as determined by consulting maps referred to in the relevant Planning Scheme.

The types of buildings on the land within this differential rate are all buildings which are now constructed on the land or which are constructed prior to the expiry of the 2025-26 financial year.

Farm Land
Farm land is any land, which is:
• "farm land" as described in of Section 2 (1) of the Valuation of Land Act 1960.

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:
• Construction and maintenance of infrastructure assets;
• Development and provision of health and community services;
• Encouragement of sustainable and productive use and management of Farm Land; and
• Provision of general support services.

The types and classes of rateable land within this differential rate are those having the relevant characteristics of "farm land" as described in of Section 2 (1) of the Valuation of Land Act 1960.

The money raised by the differential rate will be applied to the items of expenditure described in the Budget by Council. The level of the rate for land in this category is considered to provide for an appropriate contribution to Council's budgeted expenditure, having regard to the characteristics of the land.

The geographic location of the land within this differential rate is wherever located within the municipal district.

The use of the land within this differential rate, in the case of improved land, is any use of land permitted under the relevant Planning Scheme.

The characteristics of planning scheme zoning is the zoning applicable to each rateable land within this category as determined by consulting maps referred to in the relevant Planning Scheme.

The types of buildings on the land within this differential rate are all buildings which are now constructed on the land or which are constructed prior to the expiry of the 2025-26 financial year.

Industrial land
Industrial land is any land, which is:
• Occupied for the principal purpose of carrying out the manufacture or production of, or trade in, goods or services; or
• Unoccupied but zoned Industrial under the Warrnambool City Planning Scheme.

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:
• Construction and maintenance of infrastructure assets;
• Development and provision of health and community services;
• Economic development and planning services, having direct benefit to the use of Industrial Land; and
• Provision of general support services.

The types and classes of rateable land within this differential rate are those having the relevant characteristics described but not limited to those below.

Rateable properties which are used in the process of income generation, including, but not limited to the following:

• The manufacture of goods, food and beverage which are generally not sold or consumed on site (but does preclude some warehouse sales);
• The storage of goods;
• The provision of services for the repair of goods;
• The storage of plant and machinery;
• The production of raw materials in the extractive and timber industries; and
• The treatment and storage of industrial waste materials.

The money raised by the differential rate will be applied to the items of expenditure described in the Budget by Council. The level of the rate for land in this category is considered to provide for an appropriate contribution to Council's budgeted expenditure, having regard to the characteristics of the land.

The geographic location of the land within this differential rate is wherever located within the municipal district.

The use of the land within this differential rate, in the case of improved land, is any use of land permitted under the relevant Planning Scheme. The characteristics of planning scheme zoning is the zoning applicable to each rateable land within this category as determined by consulting maps referred to in the relevant Planning Scheme.

The types of buildings on the land within this differential rate are all buildings which are now constructed on the land or which are constructed prior to the expiry of the 2025-26 financial year.

Vacant land
"Vacant land is any land, which is:
• Vacant unoccupied land within the Warrnambool City Council; or
• Land on which no building designed or adapted for human occupation is erected

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:
• Construction and maintenance of infrastructure assets;
• Development and provision of health and community services;
• Encouragement for orderly planning through development of serviced urban properties;
• Provision of municipal administrative services; and
• Provision of general support services.

The types and classes of rateable land within this differential rate are those having the relevant characteristics of vacant unoccupied land and on which no building designed or adapted for human occupation is erected within the Warrnambool City Council.

The money raised by the differential rate will be applied to the items of expenditure described in the Budget by Council. The level of the rate for land in this category is considered to provide for an appropriate contribution to Council's budgeted expenditure, having regard to the characteristics of the land.

The geographic location of the land within this differential rate is wherever located within the municipal district.

The use of the land within this differential rate is any use of land permitted under the relevant Planning Scheme.

The characteristics of planning scheme zoning is the zoning applicable to each rateable land within this category as determined by consulting maps referred to in the relevant Planning Scheme.

The types of buildings on the land within this differential rate are no buildings are constructed.

Other land
"Other land is any land, which is:
• Occupied for the principal purpose of human habitation including dwellings, flats and units;
• "residential use land" as described in of Section 2 (1) of the Valuation of Land Act 1960; and
• "urban farm land" as described in of Section 2 (1) of the Valuation of Land Act 1960.

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:
• Construction and maintenance of infrastructure assets;
• Development and provision of health and community services; and
• Provision of general support services.

The types and classes of rateable land within this differential rate are those having the relevant characteristics of a property which is used for human habitation including dwellings, flats and units, or is residential use land or urban farm land as described in of Section 2 (1) of the Valuation of Land Act 1960.

The money raised by the differential rate will be applied to the items of expenditure described in the Budget by Council. The level of the rate for land in this category is considered to provide for an appropriate contribution to Council's budgeted expenditure, having regard to the characteristics of the land.

The geographic location of the land within this differential rate is wherever located within the municipal district.

The use of the land within this differential rate is any use of land permitted under the relevant Planning Scheme.
The characteristics of planning scheme zoning is the zoning applicable to each rateable land within this category as determined by consulting maps referred to in the relevant Planning Scheme.

The types of buildings on the land within this differential rate are all buildings which are now constructed on the land or which are constructed prior to the expiry of the 2025-26 financial year.

Cultural and Recreational land

Ratepayer	Assessment Number	Property Address	Amount $	Last Year
Showgrounds Reserve Committee Of Management	129359	331 Koroit St Warrnambool	11,359.70	10,540.97
Warrnambool Golf Club Inc.	131150	1-35 Younger St Warrnambool	3,794.05	3,456.76
Warrnambool Swimming Club	131388	10 Queens Rd Warrnambool	1,313.33	1,312.29
Christ Church Tennis Club	132180	66 Henna St Warrnambool	2,267.45	2,133.80
Warrnambool Croquet Club Inc.	134926	60-62 Cramer St Warrnambool	404.10	394.75
Warrnambool Yacht Club Inc.	138135	44 Viaduct Rd Warrnambool	673.50	640.14
Warrnambool Racing Club Inc.	135344	2-64 Grafton Rd Warrnambool	19,868.25	17,774.55
Warrnambool Ski Club Inc.	138747	26 Simpson St Warrnambool	886.78	832.18
Warrnambool Lawn Tennis Club	139872	33-45 Pertobe Rd Warrnambool	3,592.00	3,414.08
Warrnambool Bowls Club	140336	81-85 Timor St Warrnambool	4,198.15	3,990.21
Warrnambool Kart Club	140883	162 Buckleys Rd Allansford	538.80	544.12
Dennington Bowling Club Inc.	141525	36 Princes Hwy Dennington	1,796.00	1,845.74
St Joseph Primary School Supergrass Tennis	141935	40 Bromfield St Warrnambool	673.50	714.82
Warrnambool City Memorial Bowling Club	134927	50-56 Cramer St Warrnambool	24,651.09	23,933.00
Warrnambool Offshore Light Game Fishing Club	17654	48 Viaduct Rd Warrnambool	71.84	68.28
Warrnambool Bowls Club (Carpark)	140338	91 Timor Street Warrnambool	2,289.90	2,176.48

4.1.2 Statutory fees and fines

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Animal Control	637	**641**	4	**0.63%**
Health and Local Laws	207	**205**	- 2	**-0.97%**
Parking Fines	826	**866**	40	**4.84%**
Permits and Certificates	348	**351**	3	**0.86%**
Town Planning and Building	585	**579**	- 6	**-1.03%**
Total statutory fees and fines	2,603	2,642	39	**1.50%**

Statutory fees and fines are mainly levied in accordance with legislation and relate to income collected through parking fines, health registrations, animal registrations, planning permits and building permits.

Automated systems and resourcing structures allow for a budgeted increase in Parking infringement income in the 2025-26 financial year.

4.1.3 User fees

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Aged Services Fees	996	**934**	- **62**	**-6.22%**
Childrens Services	4,859	**5,178**	**319**	**6.57%**
Cultural Centres	2,040	**2,108**	**68**	**3.33%**
Foreshore Holiday Parks	3,934	**3,799**	- **135**	**-3.43%**
Indoor Aquatic Centre	2,016	**2,037**	**21**	**1.04%**
Livestock Exchange	25	**-**	- **25**	**-100.00%**
Multi Purpose Sports Stadium	701	**728**	**27**	**3.85%**
Property Management	811	**937**	**126**	**15.54%**
Regulatory Control	1,930	**2,144**	**214**	**11.09%**
Tourism and Promotion	1,285	**1,287**	**2**	**0.16%**
Other Fees and Charges	908	**780**	- **128**	**-14.10%**
Total user fees	19,505	19,932	427	**2.19%**

User fees relate to the wide range of services Council provides across its extensive service delivery programs and includes holiday park fees, leisure centre and performing arts centre user charges, fees for the provision of child care, family day care and home help, entrance fees at flagstaff hill, and car parking fees. Council sets fees based on market conditions and the cost associated with running a service, while giving consideration to those who may be suffering financial hardship.

For the 2025-26 financial year, budgeted Children's Services user fees are set to increase year on year based on increased fees and higher enrolment numbers in the program. Cessation in the delivery of a selection of pay-as-you-go programs will reduce income generated in Aged Care services.

The delivery of the Key Worker Accommodation project and the renewal works programmed at Aquazone, are expected to cause shot term disruptions at the Holiday Park and Aquatic Centre, and Council have budgeted for a reduction of income parts of these operations in 2025-26.

The closure and windup of operations at the Warrnambool Livestock Exchange also sees the removal of this income stream for Council in the 2025-26 financial year.

4.1.4 Grants

Grants are required by the Act and the Regulations to be disclosed in Council's budget.

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Grants were received in respect of the following:				
Summary of grants				
Commonwealth funded grants	9,128	8,526	- 602	-7%
State funded grants	15,310	13,497	- 1,813	-12%
Total grants received	**24,438**	**22,023**	- 2,415	-10%
(a) Operating Grants				
Recurrent - Commonwealth Government				
Victoria Grants Commission - Financial Assistance Grant	4,578	4,715	137	3%
Victoria Grants Commission - local roads	865	890	25	3%
Aged services	2,256	2,154	- 102	-5%
Recurrent - State Government				
Aged services	651	634	- 17	-3%
Cultural services	685	673	- 12	-2%
Environmental initiatives	74	84	10	14%
Family and children	5,673	5,701	28	0%
Infrastructure Services	98	97	- 1	-1%
Pension rebate	800	820	20	3%
School crossing supervision	271	274	3	1%
Other recurrent grants	220	100	- 120	-55%
Total recurrent grants	**16,171**	**16,142**	- **29**	0%
Non-recurrent - Commonwealth Government				
Other	-	-	-	
Non-recurrent - State Government				
Aged services	2	-	- 2	-100%
Cultural centres	70	-	- 70	-100%
Economic development	60	-	- 60	-100%
Environment initiatives	6	-	- 6	-100%
Family and children	515	113	- 402	-78%
Infrastructure services	72	-	- 72	-100%
Other	285	-	- 285	-100%
Total non-recurrent grants	**1,010**	**113**	- 897	-89%
Total operating grants	**17,181**	**16,255**	- 926	-5%
(b) Capital Grants				
Recurrent - Commonwealth Government				
Roads to recovery	500	500	-	0%
Total recurrent grants	**500**	**500**	-	0%
Non-recurrent - Commonwealth Government				
Infrastructure Services	929	267	- 662	-71%
Non-recurrent - State Government				
Family and children	1,914	-	- 1,914	-100%
Infrastructure services	2,555	5,001	2,446	96%
Recreation	1,359	-	- 1,359	-100%
Total non-recurrent grants	**6,757**	**5,268**	- 1,489	-22%
Total capital grants	**7,257**	**5,768**	- 1,489	-21%
Total Grants	**24,438**	**22,023**	- **2,415**	-10%

Grants include all monies received from State and Federal sources for the purposes of funding the delivery of Council's services to ratepayers and funding the capital works program.

4.1.5 Contributions

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000		Change $'000	Change %
Monetary	2,674	**3,477**		**803**	**30.03%**
Non-monetary	7,500	**5,000**	-	**2,500**	**-33.33%**
Total contributions	10,174	8,477	-	**1,697**	**-16.68%**

Monetary contributions include monies paid to Council for works, including roads and drainage, required to be completed by developers in accordance with planning permits issued for property development. Also included are philanthropic donations and contributions by other organisations to specific projects.

This income can vary considerably between years as it is largely dependent on development activity driven by the housing market and developers. 2025-26 will see the implementation of a major IT initiative for a joint project between Warrnambool City Council, Corangamite Shire and Moyne Shire. Warrnambool Council is charged with leading this collective project and will receive contributions to fund the ongoing project from the other member Councils.

Non-monetary contributions occur when upon completion of new developments by external parties the Council takes ownership of the assets and recognises the value of the assets as non-cash contributions in its income statement.

4.1.6 Other Income

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000		Change $'000	Change %
Interest	2,107	1,860	-	247	**-11.72%**
Infrastructure Services	77	46	-	31	**-40.26%**
Reimbursements	1,930	638	-	1,292	**-66.94%**
Other Income	69	112		43	**62.32%**
Total other income	4,183	2,656	-	1,527	**-36.50%**

Other revenue relates to a range of items such as investment interest, private works, cost recoups and other miscellaneous income items. The delivery of major infrastructure projects across the 2024-25 year will reduce Councils cash holdings into the new financial year and will impact Interest revenue received in 2025-26

Reimbursements are shown to reduce significantly in connection to the delivery of the Coastal Connect collective IT project. Prior year reimbursements will be reclassified as Contributions, shifting the recognition of income between reporting categories.

4.1.7 Employee Costs

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Wages and Salaries	39,372	**41,384**	2,012	**5.11%**
Workcover	1,330	**1,140**	(190)	**-14.29%**
Superannuation	4,000	**4,000**	-	**0.00%**
Fringe Benefit Tax	368	**319**	(49)	**-13.32%**
Total employee costs	45,070	**46,843**	1,773	**3.93%**

Employee costs include all labour related expenditure such as wages, salaries and on-costs such as allowances, leave entitlements, and employer superannuation.

Wages and salaries are budgeted to increase by $1.76m compared to the 2024-45 forecast. This is mainly due to the provision for pay increases and banding increments expected to be delivered through the next Council Enterprise Agreement due to be delivered in 2025-26.

Council's allowance for its Workcover premium is expected to decrease from 2024-25. While industry expectation is for an increase in premiums, underlying this reduction is the removal of additional shortfall funding contributions required to be made to the now closed MAV Workcover scheme.

Other impacts on employee costs will be the Commonwealth Government's programmed increase to the Superannuation Guarantee from 11.5% to 12.0%.

4.1.8 Materials and Services

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Aged Services	2,337	1,356	- 981	-41.98%
Childrens Services	3,613	1,267	- 2,346	-64.93%
Corporate Services	6,888	7,176	288	4.18%
Foreshore Caravan Parks	808	811	3	0.37%
Health and Local Laws	2,156	1,374	- 782	-36.27%
Infrastructure Services	6,518	6,347	- 171	-2.62%
Planning and building services	1,698	786	- 912	-53.71%
Recreation and Cultural Services	3,277	2,212	- 1,065	-32.50%
Saleyards	142	47	- 95	-66.90%
Tourism and Promotions	4,359	3,772	- 587	-13.47%
Waste Management	4,766	5,148	382	8.02%
Total materials and services	36,562	30,296	(6,266)	-17.14%

Materials and services include the purchases of consumables, payments to contractors for the provision of services and overhead costs including insurances and utilities.

Council's expenditure on materials and services is budgeted to decrease by $6.26m in 2025-26. The main reason for this decrease is due to a number of non-recurrent operational projects that were budgeted for in the forecast year, or carried forward from a previous year, that are related to once-off funding allocations, and not recurrent in nature (particularly in the Recreation and Cultural Services, Children's Services, Planning and Building Services, and Health and Local Laws areas, which included a number of grant funded projects).

4.1.9 Depreciation

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Property	2,330	**2,434**	104	4.46%
Plant & equipment	2,054	**2,628**	574	27.95%
Infrastructure	14,647	**15,394**	747	5.10%
Total depreciation	19,031	20,456	1,425	7.49%

Depreciation is an accounting measure which attempts to allocate the value of an asset over its useful life for Council's property, plant and equipment including infrastructure assets such as roads and drains. The increase of $1.45 million for 2025-26 will be due to the capitalisation of new infrastructure completed in 2024-25.

4.1.10 Amortisation – Right of use assets

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Total depreciation - right of use assets	501	**544**	43	**8.58%**

4.1.11 Other expenses

	Forecast Actual 2024/25 $'000	Budget 2025/26 $'000	Change $'000	Change %
Councillor Allowances	324	**335**	11	**3.40%**
Auditors remuneration - internal	83	**85**	2	**2.41%**
Auditors remuneration - VAGO	75	**75**	-	**0.00%**
Other Expenses	62	**22**	- 40	**-64.52%**
Total other expenses	544	517	- 27	**-4.96%**

Other expenditure relates to a range of unclassified items including audit fees, Councillor allowances and miscellaneous items. An increase is expected in 2025-26 for Councillor allowances following the new pay structures set out from the Victorian Independent Remuneration Tribunal.

4.2 Balance Sheet

4.2.1 Assets

Cash assets include cash and investments such as cash held in the bank and in petty cash and the value of investments in deposits or other highly liquid investments with short term maturities of less than 90 days. Investments exceeding 90 days are classified as financial assets. Council expects to have a balance of $23.5 million in Cash and Investments at the end of the 2025-26 year, being held mainly to deliver future capital works and meet future cash commitments.

Trade and other receivables are monies owed to Council by ratepayers and others. It is expected that these will reduce as a number of grant programs come to an end.

Property, infrastructure, plant and equipment is the largest component of Council's worth and represents the value of all the land, buildings, roads, drainage, plant and equipment, which has been built up by the Council over many years. The increase in this balance is attributable to the net result of the capital works program, depreciation of assets, gifted assets and the sale and revaluation of assets.

4.2.2 Liabilities

Trade and other payables are those to whom Council owes money as at 30 June. No significant movement is expected in this category for 2025-26.

Provisions include accrued long service leave, annual leave owing to employees and rehabilitation costs for a cessed landfill site. These employee entitlements are only expected to increase marginally and are influenced by the outcome of the current Enterprise Agreement negotiation and active management of leave entitlements.

4.2.3 Borrowings

The table below shows information on borrowings specifically required by the Regulations.

Council has planned $4.0 million of borrowings in the 2025-26 budget to deliver major infrastructure works in Wollaston Road. For the completion of works and land acquisitions, Council has indicatively planned additional borrowings in the following 2026-27 financial year and further financing arrangements in 2028-29 for Council's planned contribution to an upgraded aquatic facility. This requirement may change in future years as Council reviews priority projects and strategic opportunities as they arise.

	Forecast Actual 2024-25 $	Budget 2025-26 $	Projections 2026-27 $	Projections 2027-28 $	Projections 2028-29 $
Amount borrowed as at 30 June of the prior year	8,512	6,833	9,263	10,759	9.021
Amount proposed to be borrowed	-	4,000	3,000	-	7,500
Amount projected to be repaid	(1,679)	(1,570)	(1,504)	(1,738)	(1,950)
Amount of borrowings as at 30 June	**6,833**	**9,263**	**10,759**	**9,021**	**14,571**

4.2.4 Leases by category

As a result of the introduction of *AASB 16 Leases*, right-of-use assets and lease liabilities have been recognised as outlined in the table below.

	Forecast Actual 2024-25 $'000	Budget 2025-26 $'000
Right-of-use assets		
Land and buildings	61	63
Plant & Equipment	1,706	1,760
Total right-of-use assets	1,767	1,823
Lease liabilities		
Current lease Liabilities		
Land and buildings	15	13
Plant & Equipment	433	377
Total current lease liabilities	448	390
Non-current lease liabilities		
Land and buildings	44	48
Plant & Equipment	1,228	1,338
Total non-current lease liabilities	1,272	1,386
Total lease liabilities	1,720	1,776

4.3 Statement of changes in equity
4.3.1 Reserves

Reserves contain both specific cash backed reserves and asset revaluation amounts. Cash backed reserves include statutory reserves, Councils drainage and Carparking/CBD funds.

The asset revaluation reserve represents the difference between the previously recorded value of assets and their current valuations. Assets valuations are required to be considered annually and formally revalued if there is a material change.

4.3.2 Equity

Accumulated surplus is the value of all net assets less specific reserve allocations and revaluations that have built up over financial years.

4.4 Statement of cash flows

Budgeting cash flows for Council is a key factor in setting the level of rates and providing a guide to the level of capital expenditure that can be sustained with or without using existing cash reserves.

4.4.1 Net cash flows provided by/used in operating activities

Net operating cash flows are expected to remain relatively consistent year on year. The net cash flows from operating activities does not equal the operating result for the year as the expected revenues and expenses of the Council that are included in the operating result include non-cash items which have been excluded from the Cash Flow Statement per Australian Accounting Standards.

4.4.2 Net cash flows provided by/used in investing activities

Significant capital projects are expected to be completed in 2025-26, some of which are being carried forward from the 2024-25 budget. These payments for property, plant and equipment will result in Council drawing down some of its short term investments to fund this.

4.4.3 Net cash flows provided by/used in financing activities

New borrowings have been budgeted in the 2025-26 financial year to support major infrastructure works in Wollaston Road. These works assist in developing further stages of the North of the Merri growth zone for residential properties.

4.5 Capital works program

This section presents a listing of the capital works projects that will be undertaken for the 2025-26 year, classified by expenditure type and funding source. Works are also disclosed as current budget or carried forward from prior year.

4.5.1 Summary

	Forecast Actual 2024-25	Budget 2025-26	Change	%
Property	4,604,887	**8,320,000**	3,715,113	80.68%
Plant and equipment	5,334,840	**4,654,850**	(679,990)	-12.75%
Infrastructure	16,122,602	**23,628,302**	7,505,700	46.55%
Total	26,062,329	**36,603,152**	10,540,823	40.44%

	Project Cost	Asset expenditure types				Summary of Funding Sources			
		New	Renewal	Upgrade	Expansion	Grants	Contrib.	Council cash	Borrowings
Property	**8,320,000**	5,290,000	1,720,000	1,310,000	-	4,990,000	-	3,330,000	-
Plant and equipment	**4,654,850**	20,000	2,307,408	2,327,442	-	-	1,606,762	3,048,088	-
Infrastructure	**23,628,302**	744,810	6,412,470	16,471,022	-	4,062,000	310,000	15,256,302	4,000,000
Total	**36,603,152**	6,054,810	10,439,878	20,108,464	-	9,052,000	1,916,762	21,634,390	4,000,000

Council has more than 250 major buildings with a replacement cost of over $180 million and includes buildings and improvements for community facilities, sports facilities and pavilions and municipal buildings. These assets require renewal investment in addition to the new scheduled building projects. In keeping with the principles of financial sustainability from the *Local Government Act 2020*, the majority of Councils building capital works program is focused on asset renewal and upgrade works, rather than building new assets. This concentration also elevates Councils existing facilities to modern standards and increases accessibility in public amenity.

Plant and equipment includes plant, machinery and equipment, computers and telecommunications and art works. A Large component in the 2025-26 budget relates to the Coastal Connect project, whereby Council is involved in implementing a new enterprise software system across three regional councils with the backing of the state government's Rural Council Transformation Program. Under this $4.5m project, Warrnambool, Moyne, and Corangamite councils will all transition to a common software platform. This project is programmed for delivery in 2025-26. The remainder of the spend in this category for 2025-26 mainly relates to renewing Councils plant, machinery and equipment.

Infrastructure includes roads, bridges, footpaths and cycleways, drainage, recreation, leisure and community facilities, parks, open space and streetscapes, off street car parks and other structures. Council has committed $9.25 million in the 2025-26 budget to the programmed renewal of Council assets.

4.5.2 New Budget Capital Works Allocations

Capital Works Area	Project Cost	Asset expenditure types				Summary of Funding Sources			
		New	Renewal	Upgrade	Expansion	Grants	Contrib.	Council cash	Borrowings
PROPERTY									
Buildings									
Shipwreck Bay Key Worker Accommodation	**5,290,000**	5,290,000	-	-	-	4,990,000	-	300,000	-
Buildings Renewal Program	**1,185,000**	-	1,185,000	-	-	-	-	1,185,000	-
Aquazone Roof Replacement	**800,000**	-	400,000	400,000	-	-	-	800,000	-
Civic Centre Accessibility upgrades	**800,000**	-	-	800,000	-	-	-	800,000	-
Alveston House building upgrades	**245,000**	-	135,000	110,000	-	-	-	245,000	-
TOTAL PROPERTY	**8,320,000**	5,290,000	1,720,000	1,310,000	-	4,990,000	-	3,330,000	-
PLANT AND EQUIPMENT									
Plant, Machinery and Equipment									
Plant Replacement Program	**1,750,000**	-	1,750,000	-	-	-	-	1,750,000	-
Library Stock Renewal	**177,408**	-	177,408	-	-	-	-	177,408	-
Minor Plant Replacement	**30,000**	-	30,000	-	-	-	-	30,000	-
Vaccine Fridge upgrade	**10,500**	-	-	10,500	-	-	-	10,500	-
Computers and Telecommunications									
IT Hardware	**300,000**	-	300,000	-	-	-	-	300,000	-
IT Upgrade	**2,316,942**		-	2,316,942	-	-	1,606,762	710,180	-
Library I/T Renewal	**50,000**	-	50,000	-	-	-	-	50,000	-
Cultural									
Public Art Initiatives	**20,000**	20,000	-	-	-	-	-	20,000	-
TOTAL PLANT AND EQUIPMENT	**4,654,850**	20,000	2,307,408	2,327,442	-	-	1,606,762	3,048,088	-

Capital Works Area	Project Cost	Asset expenditure types				Summary of Funding Sources			
		New	Renewal	Upgrade	Expansion	Grants	Contrib.	Council cash	Borrowings
INFRASTRUCTURE									
Roads									
Local Road Renewal Program	**3,970,000**	-	3,970,000	-	-	500,000	-	3,470,000	-
DCP High Voltage Powerlines Relocation	**2,226,000**	-	-	2,226,000	-	-	-	1,226,000	1,000,000
Wollaston Road Duplication (Stage 1b)	**5,000,000**	-	-	5,000,000	-	-	-	2,000,000	3,000,000
DCP Road Reserve land	**40,810**	40,810	-	-	-	-	-	40,810	-
Street Light Upgrades	**20,000**	-	-	20,000	-	-	-	20,000	-
Bridges									
Bridges Renewal Program	**350,000**	-	350,000	-	-	-	-	350,000	-
Footpaths and Cycleways									
CBD Footpath and Car Park Program	**693,500**	-	-	693,500	-	-	-	693,500	-
Industrial Precinct Footpaths	**534,000**	534,000	-	-	-	267,000	-	267,000	-
Footpath Renewal Program	**500,277**	-	500,277	-	-	-	-	500,277	-
Beach Access	**180,000**	-	180,000	-	-	-	-	180,000	-
Drainage									
Drainage Program	**877,193**	-	877,193	-	-	-	-	877,193	
Recreational, Leisure & Community Facilities									
Holiday Park Improvement Program	**200,000**	-	-	200,000	-	-	-	200,000	-
Outdoor Netball Courts Resealing	**200,000**	-	-	200,000		-	-	200,000	-
Aquazone Basins and Edging Upgrade	**150,000**	-	-	150,000	-	-	-	150,000	-
Aquazone Minor Works Program	**140,000**	-	-	140,000	-	-	-	140,000	-
Davidson Oval Lighting and Power Upgrade	**135,000**	-	-	135,000	-	-	-	135,000	-
Aquazone Balance Tank works	**100,000**	-	-	100,000	-	-	-	100,000	-
Art Gallery Minor Capital	**50,000**	50,000	-	-	-	-	-	50,000	-
Childrens Services (allocation)	**40,000**	40,000	-	-	-	-	-	40,000	-
Dennington Recreation Reserve Fence Replacement	**35,000**	-	35,000	-	-	-	-	35,000	
Stadium Minor Capital Program	**30,000**	30,000	-	-	-	-	-	30,000	-
Lighthouse Theatre (allocation)	**30,000**	30,000	-	-	-	-	-	30,000	-
Library Minor Capital	**20,000**	20,000	-	-	-	-	-	20,000	-
Parks, Open Space and Streetscapes									
Playground and Open Space Renewal Program	**300,000**	-	300,000	-	-	-	-	300,000	-
Christmas Decoration upgrades	**50,000**	-	-	50,000	-	-	-	50,000	-
Civic Green Upgrade	**20,000**	-	-	20,000	-	-	-	20,000	-
City Entrance (East) Sign Lighting	**6,855**	-	-	6,855	-	-	-	6,855	
Airport									
Airport Minor Works Program	**70,000**	-	-	70,000	-	-	-	70,000	-
TOTAL INFRASTRUCTURE	**15,968,635**	744,810	6,212,470	9,011,355	-	767,000	-	11,201,635	4,000,000
TOTAL NEW CAPITAL WORKS	**28,943,485**	**6,054,810**	**10,239,878**	**12,648,797**	-	**5,757,000**	**1,606,762**	**17,579,723**	**4,000,000**

4.5.3 Works carried forward from the 2024-2025 year

Capital Works Area	Project Cost	Asset expenditure types				Summary of Funding Sources			
		New	Renewal	Upgrade	Expansion	Grants	Contrib.	Council cash	Borrowings
PROPERTY									
Roads									
Safe Local Roads and Streets Program	**1,500,000**	-	-	1,500,000	-	1,500,000	-	-	-
Wollaston Road duplication (stage 1a)	**250,000**	-	-	250,000	-	-	-	250,000	-
Local Roads & Community Infrastructure	**100,000**	-	100,000	-	-	-	-	100,000	-
Daltons Road Bridge	**100,000**	-	-	100,000	-	-	-	100,000	-
TAC Road Safety Projects	**50,000**	-	-	50,000	-	-	-	50,000	-
Buildings									
Matron Swinton Children's Centre Upgrade	**2,100,000**	-	-	2,100,000	-	1,500,000	-	600,000	
Council Pound upgrade	**849,667**	-	-	849,667	-	-	-	849,667	-
Archie Graham Building Works	**150,000**	-	50,000	100,000		-	-	150,000	-
Heritage Centre Review	**100,000**	-	-	100,000	-	-	-	100,000	-
Civic Green Upgrade	**50,000**	-	-	50,000	-	-	-	50,000	-
Other Building Projects	**150,000**	-	-	150,000	-	45,000	-	105,000	-
Footpaths and Cycleways									
Grace Avenue Car Park	**150,000**	-	-	150,000	-	-	-	150,000	-
Computers and Telecommunications									
Coastal Connect ICT Project	**965,000**	-	-	965,000	-	-	310,000	655,000	-
Recreational, Leisure & Community Facilities									
Friendly Society's Irrigation	**750,000**	-	-	750,000	-	250,000	-	500,000	-
Flagstaff Hill Future Upgrades	**150,000**	-	-	150,000		-	-	150,000	-
Parks, Open Space and Streetscapes									
Public Open Space Improvement Program	**50,000**	-	-	50,000	-	-	-	50,000	-
Other Infrastructure									
Library IT Renewal	**50,000**	-	50,000	-	-	-	-	50,000	-
Lighthouse Theatre Radio Equipment	**45,000**	-	-	45,000	-	-	-	45,000	-
Computers and Telecommunications									
Civic Centre Generator	**100,000**	-	-	100,000	-	-	-	100,000	-
TOTAL CARRIED FORWARD CAPITAL WORKS	**7,659,667**	-	200,000	7,459,667	-	3,295,000	310,000	4,054,667	-

Summary of Planned Capital Works Expenditure
For the years ending 30 June 2027, 2028 & 2029

2026/27	Asset Expenditure Types				Funding Sources				
	Total $'000	New $'000	Renewal $'000	Upgrade $'000	Total $'000	Grants $'000	Contributions $'000	Council Cash $'000	Borrowings $'000
Property									
Land	0	0	0	0	0	0	0	0	0
Land improvements	0	0	0	0	0	0	0	0	0
Total Land	0	0	0	0	0	0	0	0	0
Buildings - Specialised	3,605	876	1,441	1,288	3,605	0	0	3,605	0
Heritage Buildings	0	0	0	0	0	0	0	0	0
Building improvements	0	0	0	0	0	0	0	0	0
Leasehold improvements	0	0	0	0	0	0	0	0	0
Total Buildings	3,605	876	1,441	1,288	3,605	0	0	3,605	0
Total Property	**3,605**	**876**	**1,441**	**1,288**	**3,605**	**0**	**0**	**3,605**	**0**
Plant and Equipment									
Heritage plant and equipment	0	0	0	0	0	0	0	0	0
Plant machinery and equipment	1,494	0	1,494	0	1,494	0	0	1,494	0
Computers and telecommunications	288	0	288	0	288	0	0	288	0
Cultural collections (Library books & Art)	288	0	288	0	288	0	0	288	0
Total Plant and Equipment	**2,070**	**0**	**2,070**	**0**	**2,070**	**0**	**0**	**2,070**	**0**
Infrastructure									
Roads	3,760	0	3,605	155	3,760	515	0	3,245	0
Recreational, leisure and community facilities	14,454	12,668	187	1,599	14,454	6,025	28	901	7,500
Footpaths & cycleways	2,081	567	896	618	2,081	98	77	1,906	0
Drainage	644	0	644	0	644	0	0	644	0
Parks, open space and streetscapes	556	0	350	206	556	0	0	556	0
Bridges	515	227	288	0	515	0	0	515	0
Aerodromes	304	0	0	304	304	0	0	304	0
Other infrastructure	546	82	0	464	546	0	0	546	0
Total Infrastructure	**22,860**	**13,544**	**5,970**	**3,346**	**22,860**	**6,638**	**105**	**8,617**	**7,500**
Total Capital Works Expenditure	**28,535**	**14,420**	**9,481**	**4,634**	**28,535**	**6,638**	**105**	**14,292**	**7,500**

2027/28	Asset Expenditure Types				Funding Sources				
	Total $'000	New $'000	Renewal $'000	Upgrade $'000	Total $'000	Grants $'000	Contributions $'000	Council Cash $'000	Borrowings $'000
Property									
Land	213	213	0	0	213	0	0	213	0
Land improvements	0	0	0	0	0	0	0	0	0
Total Land	213	213	0	0	213	0	0	213	0
Buildings - Specialised	9,130	54	1,485	7,591	9,129	4,738	0	4,391	0
Heritage Buildings	0	0	0	0	0	0	0	0	0
Building improvements	0	0	0	0	0	0	0	0	0
Leasehold improvements	0	0	0	0	0	0	0	0	0
Total Buildings	9,130	54	1,485	7,591	9,129	4,738	0	4,391	0
Total Property	**9,343**	**267**	**1,485**	**7,591**	**9,342**	**4,738**	**0**	**4,604**	**0**
Plant and Equipment									
Plant machinery and equipment	1,538	0	1,538	0	1,538	0	0	1,538	0
Computers and telecommunications	297	0	297	0	297	0	0	297	0
Cultural collections (Library books & Art)	318	21	297	0	318	0	0	318	0
Total Plant and Equipment	**2,153**	**21**	**2,132**	**0**	**2,153**	**0**	**0**	**2,153**	**0**
Infrastructure									
Roads	4,403	0	3,713	690	4,403	530	0	3,873	0
Recreational, leisure and community facilities	6,579	2,972	191	3,416	6,580	5,236	81	1,263	0
Footpaths & cycleways	2,143	583	923	637	2,143	106	80	1,957	0
Drainage	133	0	133	0	133	0	0	133	0
Parks, open space and streetscapes	573	0	361	212	573	0	0	573	0
Bridges	530	233	297	0	530	0	0	530	0
Aerodromes	313	0	0	313	313	0	0	313	0
Other infrastructure	2,286	85	0	2,201	2,286	2,122	0	164	0
Total Infrastructure	**16,960**	**3,873**	**5,618**	**7,469**	**16,961**	**7,994**	**161**	**8,806**	**0**
Total Capital Works Expenditure	**28,456**	**4,161**	**9,235**	**15,060**	**28,456**	**12,732**	**161**	**15,563**	**0**

2028/29	Asset Expenditure Types				Funding Sources				
	Total $'000	New $'000	Renewal $'000	Upgrade $'000	Total $'000	Grants $'000	Contributions $'000	Council Cash $'000	Borrowings $'000
Property									
Land	0	0	0	0	0	0	0	0	0
Land improvements	0	0	0	0	0	0	0	0	0
Total Land	0	0	0	0	0	0	0	0	0
Buildings - Specialised	2,623	601	1,421	601	2,623	0	0	2,623	0
Heritage Buildings	0	0	0	0	0	0	0	0	0
Building improvements	0	0	0	0	0	0	0	0	0
Leasehold improvements	0	0	0	0	0	0	0	0	0
Total Buildings	2,623	601	1,421	601	2,623	0	0	2,623	0
Total Property	**2,623**	**601**	**1,421**	**601**	**2,623**	**0**	**0**	**2,623**	**0**
Plant and Equipment									
Plant machinery and equipment	1,584	0	1,584	0	1,584	0	0	1,584	0
Computers and telecommunications	306	0	306	0	306	0	0	306	0
Cultural collections (Library books & Art)	328	22	306	0	328	0	0	328	0
Total Plant and Equipment	**2,218**	**22**	**2,196**	**0**	**2,218**	**0**	**0**	**2,218**	**0**
Infrastructure									
Roads	3,988	0	3,824	164	3,988	546	0	3,442	0
Recreational, leisure and community facilities	3,702	0	197	3,505	4,800	2,672	84	2,044	0
Footpaths & cycleways	2,207	601	950	656	1,109	109	82	918	0
Drainage	137	0	137	0	137	0	0	137	0
Parks, open space and streetscapes	590	0	371	219	590	0	200	390	0
Bridges	306	0	306	0	306	0	0	306	0
Aerodromes	10,977	0	0	10,977	10,977	5,464	109	5,404	0
Other infrastructure	2,272	87	0	2,185	2,272	2,185	0	87	0
Total Infrastructure	**24,179**	**688**	**5,785**	**17,706**	**24,179**	**10,976**	**475**	**12,728**	**0**
Total Capital Works Expenditure	**29,020**	**1,311**	**9,402**	**18,307**	**29,020**	**10,976**	**475**	**17,569**	**0**

5a. Financial Performance Indicators

The following tables highlight Council's current and projected performance across a selection of targeted service and financial performance indicators. These indicators provide a useful analysis of Council's intentions and performance and should be interpreted in the context of the organisation's objectives.
The targeted performance indicators below are the prescribed performance indicators contained in Schedule 4 of the Local Government (Planning and Reporting) Regulations 2020. Results against these indicators and targets will be reported in Council's Performance Statement included in the Annual Report.

Targeted performance indicators - Service

Indicator	Measure	Actual	Forecast Actual	Target	Target Projections			Trend
		2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	+/o/-
Governance								
Consultation and engagement (Council decisions made and implemented with community input)	**Satisfaction with community consultation and engagement** Community satisfaction rating out of 100 with the consultation and engagement efforts of Council	48	49	49	49	49	49	o
Roads								
Condition (sealed local roads are maintained at the adopted condition standard)	**Sealed local roads below the intervention level** Number of kms of sealed local roads below the renewal intervention level set by Council / Kms of sealed local roads	89.69%	89.69%	89.69%	89.69%	89.69%	89.69%	o
Statutory planning								
Service standard (planning application processing and decisions are in accordance with legislative requirements)	**Planning applications decided within the relevant required time** Number of planning application decisions made within the relevant required time / Number of planning application decisions made	86.59%	80.89%	80.00%	80.00%	80.00%	80.00%	o
Waste management								
Waste diversion (amount of waste diverted from landfill is maximised)	**Kerbside collection waste diverted from landfill** Weight of recyclables and green organics collected from kerbside bins / Weight of garbage, recyclables and green organics collected from kerbside bins	65.45%	62.70%	64.00%	64.00%	64.00%	64.00%	o

Key to Forecast Trend:

+ Forecasts improvement in Council's financial performance/financial position indicator
o Forecasts that Council's financial performance/financial position indicator will be steady
- Forecasts deterioration in Council's financial performance/financial position indicator

Targeted performance indicators – Service

Indicator	Measure	Notes	Actual	Forecast Actual	Target	Target Projections			Trend
			2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	+/o/-
Liquidity									
Working Capital (sufficient working capital is available to pay bills as and when they fall due)	**Current assets compared to current liabilities** Current assets / current liabilities	1	256%	231%	174.54%	185.24%	169.87%	173%	-
Obligations									
Asset renewal (assets are renewed as planned)	**Asset renewal compared to depreciation** Asset renewal and upgrade expense / Asset depreciation	2	75%	60%	52.33%	43.14%	40.81%	39.61%	-
Stability									
Rates concentration (revenue is generated from a range of sources)	**Rates compared to adjusted underlying revenue** Rate revenue / adjusted underlying revenue	3	52.92%	51.43%	52.48%	51.19%	49.11%	50.63%	o
Efficiency									
Expenditure level (resources are used efficiently in the delivery of services)	**Expenses per property assessment** Total expenses / no. of property assessments		$5,256.62	$5,448.07	$5,252.59	$5,340.49	$5,444.48	$5,562.93	o

Key to Forecast Trend:
+ Forecasts improvement in Council's financial performance/financial position indicator
o Forecasts that Council's financial performance/financial position indicator will be steady
- Forecasts deterioration in Council's financial performance/financial position indicator

Notes to indicators

1. **Working Capital**
   The proportion of current liabilities represented by current assets. Working capital is shown to remain relatively consistent over the 4 year budget and be in line with expectations.

2. **Asset renewal**
   This percentage indicates the extent of Council's renewal and upgrade against its depreciation charge (an indication of the decline in value of its existing capital assets). A percentage greater than 100 indicates Council is maintaining its existing assets, while a percentage less than 100 means its assets are deteriorating faster than they are being renewed and future capital expenditure will be required to renew assets. Council continues to invest in asset renewal and where possible it leverages grant funding for significant renewal and upgrade projects. This ensures that Council continues to meet the current demand of its assets.

3. **Rates concentration**
   Reflects extent of reliance on rate revenues to fund all of Council's on-going services. Trend indicates Councils reliance on rate revenue is to remain stable over time.

5b. Financial Performance Indicators

The following table highlights Council's current and projected performance across a range of key financial performance indicators. These indicators provide a useful analysis of Council's financial position and performance and should be interpreted in the context of the organisation's objectives.

The financial performance indicators below are the prescribed financial performance indicators contained in Part 3 of Schedule 3 of the Local Government (Planning and Reporting) Regulations 2020. Results against these indicators will be reported in Council's Performance Statement included in the Annual Report.

Indicator	Measure	Notes	Actual	Forecast	Budget	Projections			Trend
			2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	+/o/-
Operating position									
Adjusted underlying result (an adjusted underlying surplus is generated in the ordinary course of business)	**Adjusted underlying surplus (or deficit)** Adjusted underlying surplus (deficit) / Adjusted underlying revenue	1	-10.31%	-7.75%	-3.00%	-5.50%	-5.47%	-5.14%	+
Liquidity									
Unrestricted cash (sufficient cash that is free of restrictions is available to pay bills as and when they fall due)	**Unrestricted cash compared to current liabilities** Unrestricted cash / current liabilities	2	-50.26%	-21.38%	-22.57%	-27.31%	-29.34%	-26.45%	o
Obligations									
Loans and borrowings (level of interest bearing loans and borrowings is appropriate to the size and nature of Council's activities)	**Loans and borrowings compared to rates** Interest bearing loans and borrowings / rate revenue	3	18.01%	16.73%	21.88%	20.60%	16.69%	26.04%	o
Loans and borrowings (level of interest bearing loans and borrowings is appropriate to the size and nature of Council's activities)	**Loans and borrowings repayments compared to rates** Interest and principal repayments on interest bearing loans and borrowings / rate revenue		3.84%	4.11%	3.70%	2.88%	3.21%	3.48%	o
Indebtedness (level of long term liabilities is appropriate to the size and nature of a Council's activities)	**Non-current liabilities compared to own-source revenue** Non-current liabilities / own source revenue		12.29%	10.00%	12.91%	14.02%	11.67%	17.39%	o
Stability									
Rates effort (rating level is set based on the community's capacity to pay)	**Rates compared to property values** Rate revenue / CIV of rateable properties in the municipal district		0.41%	0.42%	0.45%	0.46%	0.46%	0.47%	o
Efficiency									
Revenue level (resources are used efficiently in the delivery of services)	**Average rate per property assessment** General rates and municipal charges / no. of property assessments		$2,107	$2,180	$2,238	$2,298	$2,355	$2,414	o

Notes to indicators

1. **Adjusted underlying result**
   An indicator of the sustainable operating result required to enable Council to continue to provide core services and meet its objectives. The underlying result is expected to be small deficit across the budget projection period, as council invests in its asset renewal program.

2. **Unrestricted Cash**
   The cash not associated to a particular use within Council or a legislative requirement. Council maintains a consistent ratio over the 4 year budget. The current definition of "unrestricted cash" excludes investments with a maturity date of 90 days. Council held over $40m of cash in these investments at 30 June 2024, which will be used to fund operations, capital works, and projects. Council uses careful and timely treasury management to maximise investment returns and ensure cash availability for its operations

3. **Debt compared to rates**
   Council will continue to use debt as a funding strategy to enable generational capital projects such as major drainage works, Aquatic centre upgrades and the Brierly Community Hub. Debt may also be used to fund income generating projects at the Livestock Exchange transformation and cost saving projects through the Smart Buildings program. Council has a borrowing strategy that it adheres to when planning its long-term funding strategy.

6 Lease of Land

This section presents a summary of Council's proposals to lease council land to external parties in the 2025-26 financial year.

Under the section 115 of the Local Government Act 2010 (the Act), Council is required to include any proposal to lease land in a financial year in the budget, where the lease is -

(a) for one year or more and —
  (i) the rent for any period of the lease is $100 000 or more a year; or
  (ii) the current market rental value of the land is $100 000 or more a year; or
(b) for 10 years or more

Council has leases that have expired or are due to expire in the 2025/26 financial year, and Council proposes to offer new leases to the tenants listed below. These leases are proposed to be for more than 10 years or more. Subject to mutual agreement, the new tenancy arrangements are proposed expected to be in place during the 2025/26 financial year.

Lessee – Purpose	Property	Commencement	Term
Warrnambool Yacht Club – Yacht Club	Warrnambool Foreshore Reserve RS06255 44 Viaduct Road, Warrnambool Vic 3280	1 July 2025	10 + 10 Years

7. Schedule of Fees and Charges

This appendix presents the fees and charges of a statutory/non-statutory nature which will be charged in respect to various goods and services during the financial year 2025-26.

Fees and charges are based on information available at the time of publishing and may vary during the financial year subject to any changes in Council's policy or legislation. The fees listed are a maximum and Council have the discretion to charge a lesser amount if appropriate.

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Property Management							
User Fees & Charges							
Licences preparation fee	Per Application	Taxable	$ 131.00	$ 134.30	$ 3.30	2.52%	Council
Lease preparation fee	Per Application	Taxable	$ 190.40	$ 195.20	$ 4.80	2.52%	Council
Survey plan fee	Per Application	Non-Taxable	$ 1,906.40	$ 1,954.10	$ 47.70	2.50%	Council
Title search fee	Per Application	Non-Taxable	$ 49.80	$ 51.00	$ 1.20	2.41%	Council
Outdoor Hospitality / Pop Ups							
Licence Fee (per week)	Per Week	Non-Taxable	$ 232.40	$ 238.20	$ 5.80	2.50%	Council
Table Fee (per table)	Per Table	Non-Taxable	$ 47.80	$ 49.00	$ 1.20	2.51%	Council
Search, retrieval and photocopying fees							
Search, inspection, retrieval or access fee	Per Search	Non-Taxable	$ 28.60	$ 29.30	$ 0.70	2.45%	Council
Search, inspection, retrieval or access fee (Offsite)	Per Search	Non-Taxable	$ 45.10	$ 46.20	$ 1.10	2.44%	Council
Photocopying/printing any document	Per A4/A3 page	Non-Taxable	$ 0.80	$ 0.80	$ -	0.00%	Council
Photocopying/printing any document	Per A1,2,0 page	Non-Taxable	$ 5.90	$ 6.00	$ 0.10	1.69%	Council
Mapping Products (Commercial Use)							
Option of a) aerial photography or b) customised colour map using standard map layers (no photography). Scale to be determined by customer. Can be provided as hardcopy or PDF. When provided as a PDF, the size represents the size the map will be in the PDF and still be printed at a reasonable resolution.							
Size							
A0	Per print	Taxable	$ 163.40	$ 167.50	$ 4.10	2.51%	Council
A1	Per print	Taxable	$ 129.70	$ 132.90	$ 3.20	2.47%	Council
A2	Per print	Taxable	$ 96.90	$ 99.30	$ 2.40	2.48%	Council
A3	Per print	Taxable	$ 66.60	$ 68.30	$ 1.70	2.55%	Council
A4	Per print	Taxable	$ 64.10	$ 65.70	$ 1.60	2.50%	Council
Aerial photography with additional data overlay (contours, land parcels, house numbers etc.). Scale to be determined by customer and can be provided as hardcopy or PDF. Prices are for basic maps using existing data. If additional analysis or new datasets are required, these will incur additional fees.							
Size							
A0	Per print	Taxable	$ 254.80	$ 261.20	$ 6.40	2.51%	Council
A1	Per print	Taxable	$ 197.40	$ 202.30	$ 4.90	2.48%	Council
A2	Per print	Taxable	$ 148.90	$ 152.60	$ 3.70	2.48%	Council
A3	Per print	Taxable	$ 96.90	$ 99.30	$ 2.40	2.48%	Council
A4	Per print	Taxable	$ 48.40	$ 49.60	$ 1.20	2.48%	Council
Revenue Management							
Monetary Complaints: Notices on a Debt							
Filing Fee							
Less than $500	Per Application	Non-Taxable	$ 324.40	$ 333.10	$ 8.70	2.68%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 324.40	$ 333.10	$ 8.70	2.68%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 677.30	$ 695.70	$ 18.40	2.72%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 677.30	$ 695.70	$ 18.40	2.72%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 677.30	$ 695.70	$ 18.40	2.72%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 1,030.30	$ 1,058.20	$ 27.90	2.71%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 1,030.30	$ 1,058.20	$ 27.90	2.71%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 1,545.50	$ 1,587.30	$ 41.80	2.70%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 1,545.50	$ 1,587.30	$ 41.80	2.70%	Statutory

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Revenue Management							
Professional (Item 1 Complaints)							
Less than $500	Per Application	Non-Taxable	$ 260.00	$ 270.00	$ 10.00	3.85%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 545.00	$ 565.00	$ 20.00	3.67%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 545.00	$ 565.00	$ 20.00	3.67%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 668.00	$ 693.00	$ 25.00	3.74%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 804.00	$ 834.00	$ 30.00	3.73%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 804.00	$ 834.00	$ 30.00	3.73%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 998.00	$ 1,035.00	$ 37.00	3.71%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 1,202.00	$ 1,246.00	$ 44.00	3.66%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 1,436.00	$ 1,489.00	$ 53.00	3.69%	Statutory
Service Fee							
Service Fee	Per Application	Non-Taxable	$ 86.00	$ 89.00	$ 3.00	3.49%	Statutory
Other Professional Costs							
Warrant (Item 69)							
Less than $500	Per Application	Non-Taxable	$ 67.00	$ 69.00	$ 2.00	2.99%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 138.00	$ 143.00	$ 5.00	3.62%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 138.00	$ 143.00	$ 5.00	3.62%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 163.00	$ 169.00	$ 6.00	3.68%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 205.00	$ 213.00	$ 8.00	3.90%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 205.00	$ 213.00	$ 8.00	3.90%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 257.00	$ 267.00	$ 10.00	3.89%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 308.00	$ 319.00	$ 11.00	3.57%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 362.00	$ 375.00	$ 13.00	3.59%	Statutory
Summons for Oral Examination (Item 70)							
Less than $500	Per Application	Non-Taxable	$ 69.00	$ 72.00	$ 3.00	4.35%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 165.00	$ 171.00	$ 6.00	3.64%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 165.00	$ 171.00	$ 6.00	3.64%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 200.00	$ 207.00	$ 7.00	3.50%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 220.00	$ 228.00	$ 8.00	3.64%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 220.00	$ 228.00	$ 8.00	3.64%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 279.00	$ 289.00	$ 10.00	3.58%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 338.00	$ 351.00	$ 13.00	3.85%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 393.00	$ 408.00	$ 15.00	3.82%	Statutory
Necessary Affidavit (Item 31)							
Less than $500	Per Application	Non-Taxable	$ 117.00	$ 121.00	$ 4.00	3.42%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 243.00	$ 252.00	$ 9.00	3.70%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 243.00	$ 252.00	$ 9.00	3.70%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 294.00	$ 305.00	$ 11.00	3.74%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 352.00	$ 365.00	$ 13.00	3.69%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 352.00	$ 365.00	$ 13.00	3.69%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 442.00	$ 458.00	$ 16.00	3.62%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 520.00	$ 539.00	$ 19.00	3.65%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 607.00	$ 629.00	$ 22.00	3.62%	Statutory

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Revenue Management							
Application for Order (Item 29)							
Less than $500	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 54.00	$ 56.00	$ 2.00	3.70%	Statutory
Instructions to Defend (Item 5)							
Less than $500	Per Application	Non-Taxable	$ 120.00	$ 124.00	$ 4.00	3.33%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 258.00	$ 268.00	$ 10.00	3.88%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 258.00	$ 268.00	$ 10.00	3.88%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 320.00	$ 332.00	$ 12.00	3.75%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 382.00	$ 396.00	$ 14.00	3.66%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 382.00	$ 396.00	$ 14.00	3.66%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 476.00	$ 494.00	$ 18.00	3.78%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 572.00	$ 593.00	$ 21.00	3.67%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 687.00	$ 712.00	$ 25.00	3.64%	Statutory
Order for Substituted Service (Item 80)							
Less than $500	Per Application	Non-Taxable	$ 176.00	$ 183.00	$ 7.00	3.98%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 318.00	$ 330.00	$ 12.00	3.77%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 318.00	$ 330.00	$ 12.00	3.77%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 377.00	$ 391.00	$ 14.00	3.71%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 444.00	$ 460.00	$ 16.00	3.60%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 444.00	$ 460.00	$ 16.00	3.60%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 560.00	$ 581.00	$ 21.00	3.75%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 660.00	$ 684.00	$ 24.00	3.64%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 768.00	$ 796.00	$ 28.00	3.65%	Statutory
Necessary Notice/Certificate (Item 19)							
Less than $500	Per Application	Non-Taxable	$ 58.00	$ 60.00	$ 2.00	3.45%	Statutory
$500 - $999	Per Application	Non-Taxable	$ 103.00	$ 107.00	$ 4.00	3.88%	Statutory
$1,000 - $4,999	Per Application	Non-Taxable	$ 103.00	$ 107.00	$ 4.00	3.88%	Statutory
$5,000 - $7,499	Per Application	Non-Taxable	$ 121.00	$ 125.00	$ 4.00	3.31%	Statutory
$7,500 - $9,999	Per Application	Non-Taxable	$ 146.00	$ 151.00	$ 5.00	3.42%	Statutory
$10,000 - $20,000	Per Application	Non-Taxable	$ 146.00	$ 151.00	$ 5.00	3.42%	Statutory
$20,000.01 - $40,000.00	Per Application	Non-Taxable	$ 182.00	$ 189.00	$ 7.00	3.85%	Statutory
$40,000.01 - $70,000.00	Per Application	Non-Taxable	$ 212.00	$ 220.00	$ 8.00	3.77%	Statutory
$70,000.01 & over	Per Application	Non-Taxable	$ 257.00	$ 267.00	$ 10.00	3.89%	Statutory
Issue Fees							
Claim or Counterclaim							
Fee	Per Application	Non-Taxable	$ 324.40	$ 331.00	$ 6.60	2.03%	Statutory
With Preparation	Per Application	Non-Taxable	$ 354.60	$ 364.10	$ 9.50	2.68%	Statutory
Application for Order							
Fee	Per Application	Non-Taxable	$ 95.40	$ 98.00	$ 2.60	2.73%	Statutory
With Preparation	Per Application	Non-Taxable	$ 125.60	$ 129.00	$ 3.40	2.71%	Statutory
46A Summons/46B Rehearing Application							
Fee	Per Application	Non-Taxable	$ 337.10	$ 346.20	$ 9.10	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 367.30	$ 377.20	$ 9.90	2.70%	Statutory

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Revenue Management							
Summons for Oral Examination including hearing							
Fee	Per Application	Non-Taxable	$ 222.60	$ 228.60	$ 6.00	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 252.80	$ 259.60	$ 6.80	2.69%	Statutory
Certificate for Supreme Court							
Fee	Per Application	Non-Taxable	$ 22.30	$ 22.90	$ 0.60	2.69%	Statutory
With Preparation	Per Application	Non-Taxable	$ 52.50	$ 53.90	$ 1.40	2.67%	Statutory
Application for Attachment of Earnings							
Fee	Per Application	Non-Taxable	$ 318.00	$ 326.60	$ 8.60	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 348.20	$ 357.60	$ 9.40	2.70%	Statutory
Attachment of Earnings/Debt Order							
Fee	Per Application	Non-Taxable	$ 22.30	$ 22.90	$ 0.60	2.69%	Statutory
With Preparation	Per Application	Non-Taxable	$ 52.50	$ 53.90	$ 1.40	2.67%	Statutory
Warrant Fees							
Fee	Per Application	Non-Taxable	$ 38.20	$ 39.20	$ 1.00	2.62%	Statutory
With Preparation (Max fee listed)	Per Application	Non-Taxable	$ 68.40	$ 362.00	$ 293.60	429.24%	Statutory
Sheriff's Warrant Fee	Per Application	Non-Taxable	$ 218.00	$ 223.90	$ 5.90	2.71%	Statutory
Application under the Judgement Debt Recovery Act							
Summons for Examination	Per Application	Non-Taxable	$ 337.10	$ 346.20	$ 9.10	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 367.30	$ 377.20	$ 9.90	2.70%	Statutory
Instalment Application/Agreement (Creditor)	Per Application	Non-Taxable	$ 77.90	$ 80.00	$ 2.10	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 108.10	$ 111.00	$ 2.90	2.68%	Statutory
Application to Vary/Cancel (Creditor)	Per Application	Non-Taxable	$ 77.90	$ 80.00	$ 2.10	2.70%	Statutory
With Preparation	Per Application	Non-Taxable	$ 108.10	$ 111.00	$ 2.90	2.68%	Statutory
Service Cost							
Attempted Service (Item 78)	Per Application	Non-Taxable	$ 59.00	$ 61.00	$ 2.00	3.39%	Statutory
Service by Post (Item 77)	Per Application	Non-Taxable	$ 15.00	$ 16.00	$ 1.00	6.67%	Statutory
Allowance per km (Item 79)	Per Application	Non-Taxable	$ 0.81	$ 0.84	$ 0.03	3.70%	Statutory
Rate Search Fees							
Rate history search fee	First 3 Hours	Non-Taxable	$ 451.90	$ 463.20	$ 11.30	2.50%	Council
Rate history search fee	After 3 Hours	Non-Taxable	$ 143.20	$ 146.80	$ 3.60	2.51%	Council
Rate history search fee (0-10 Years)	Each	Non-Taxable	$ 27.10	$ 27.80	$ 0.70	2.58%	Council
Copy of previous years Rate Instalments Notices	Each	Non-Taxable	$ 20.00	$ 20.00	$ -	0.00%	Council
Land Information Certificates							
Standard LIC Fee	Per Application	Taxable	$ 29.70	$ 30.40	$ 0.70	2.36%	Statutory
Urgent LIC Fee	Per Application	Taxable	$ 70.00	$ 72.00	$ 2.00	2.86%	Council
Bank Dishonour / Rejection Fee							
Dishonour Fee			At cost per bank charge				
Direct Debit Rejection Fee			At cost per bank charge				

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Coast and Rivers							
Mooring Fees							
Boat less than 10m pa	Per boat	Taxable	$ 304.50	$ 310.00	$ 5.50	1.81%	Council
Boat 10.1m to 15m pa	Per boat	Taxable	$ 383.30	$ 390.00	$ 6.70	1.75%	Council
Boat 15.1 – 20m pa	Per boat	Taxable	$ 441.00	$ 450.00	$ 9.00	2.04%	Council
Boat 20.1 – 25m pa	Per boat	Taxable	$ 546.00	$ 550.00	$ 4.00	0.73%	Council
Jetty Fees – pa: Permit for breakwater and Hopkins River	Per boat	Taxable	$ 252.00	$ 260.00	$ 8.00	3.17%	Council
Mooring inspection fee	Per boat	Taxable	$ 220.50	$ 230.00	$ 9.50	4.31%	Council
Mooring infrastructure hire	Per boat	Taxable	$ 105.00	$ 110.00	$ 5.00	4.76%	Council
Berth permit or mooring licence - new application fee	Per boat	Taxable	$ 94.50	$ 100.00	$ 5.50	5.82%	Council
Annual Parking Permit Fees							
Breakwater (per vehicle)	Per vehicle	Taxable	$ 78.80	$ 80.00	$ 1.20	1.52%	Council
Airport							
Landing fee - Commercial* (per landing)	$ per 1,000 kg	Taxable	$ 13.00	$ 13.50	$ 0.50	3.85%	Council
Landing fee - Recreational Aircraft > 1,800kg (per landing)	$ per 1,000 kg	Taxable	$ 13.00	$ 13.50	$ 0.50	3.85%	Council
Flight training - local operator (per aircraft)	Annual	Taxable	$ 1,200.00	$ 1,230.00	$ 30.00	2.50%	Council
Flight training - non local operator (per landing)	$ per 1,000 kg	Taxable	$ 6.50	$ 7.00	$ 0.50	7.69%	Council
Local user fee - Commercial (per aircarft)	Annual	Taxable	$ 1,200.00	$ 1,230.00	$ 30.00	2.50%	Council
Local user fee - Recreational (per aircraft)	Annual	Taxable	$ 300.00	$ 310.00	$ 10.00	3.33%	Council
Ambulance Vic/PelAir (per landing)	Per Landing	Taxable	$ 17.50	$ 17.90	$ 0.40	2.29%	Council
Ambulance Vic HEMS4	No Charge	Taxable	$ -	$ -	$ -	0.00%	Council
RFDS Aircraft	No Charge	Taxable	$ -	$ -	$ -	0.00%	Council
Police/Fire	No Charge	Taxable	$ -	$ -	$ -	0.00%	Council
RPT (per landing)	$ per 1,000 kg	Taxable	$ 13.00	$ 13.50	$ 0.50	3.85%	Council
Pavement Concession - aircraft > 5,700kg & tyre pressure >109psi	Per Landing	Taxable	$ 175.00	$ 180.00	$ 5.00	2.86%	Council
Use terminal/toilets	Per Hour	Taxable	$ 20.00	$ 20.50	$ 0.50	2.50%	Council
Driver Training	Per Day	Taxable	$ 450.00	$ 460.00	$ 10.00	2.22%	Council
Infrastructure Services							
Road Reserve Works Permit							
Minor Works less than $10,000	Per Application	Non-Taxable	$ 160.00	$ 164.00	$ 4.00	2.50%	Council
Minor Works great than $10,000	Per Application	Non-Taxable	$ 750.00	$ 768.80	$ 18.80	2.51%	Council
Minor Works Public Notice Fee	Per Application	Non-Taxable	$ 60.00	$ 61.50	$ 1.50	2.50%	Council
Large Projects	Per Application	Non-Taxable	By negotiation				Council
Asset Protection Permit							
Asset Inspection Checklist	Per Application	Non-Taxable	$ 160.00	$ 164.00	$ 4.00	2.50%	Council
Livestock Crossing Permit:							
Stock Crossing Permit	Per Application	Non-Taxable	$ 160.00	$ 164.00	$ 4.00	2.50%	Council
Stormwater Legal Point of Discharge Application:							
Single dwelling development - Note 1 Building Regulations 2018 - Fee and Penalty Schedule - Regulation 36(4) - 9.77 Fee Units	Per Application	Non-Taxable	$ 150.00	$ 231.40	$ 81.40	54.26%	Statutory
Information only - Note 1	Per Application	Non-Taxable	$ 70.00	$ 71.80	$ 1.80	2.57%	Council
Short notice fee - Note 1	Per Application	Non-Taxable	$ 130.00	$ 133.30	$ 3.30	2.54%	Council
Street tree – supply and install including maintenance period of 24 months - Note 1	Per Tree	Non-Taxable	$ 400.00	$ 410.00	$ 10.00	2.50%	Council
Build Over Stormwater Easement Application - Note 1	Per Application	Non-Taxable	$ 135.00	$ 140.00	$ 5.00	3.70%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Infrastructure Services							
Stormwater Legal Point of Discharge Application (cont)							
Rain Garden (small up to 4.5m2) – supply and install vegetated landscaping including maintenance period of 24 months	Per Rain Garden	Non-Taxable	$ 3,600.00	$ 3,700.00	$ 100.00	2.78%	Council
Rain Garden (medium up to 9.0m2) – supply and install vegetated landscaping including maintenance period of 24 months	Per Rain Garden	Non-Taxable	$ 4,100.00	$ 4,200.00	$ 100.00	2.44%	Council
Stormwater drainage line inspection (high resolution camera) – 4 hours	Per Inspection	Non-Taxable	$ 750.00	$ 768.80	$ 18.80	2.51%	Council
Stormwater drainage line inspection (high resolution camera) – 8.5 hours	Per Inspection	Non-Taxable	$ 1,550.00	$ 1,588.80	$ 38.80	2.50%	Council
Open Space Hire							
Botanic Gardens - Weddings and Events							
Small Event - (No Marquee, Vehicle Access or Use of Rotunda)	Per event	Taxable	$ 130.00	$ 135.00	$ 5.00	3.85%	Council
Use of Band Rotunda and or Vehicle Access	Per hire	Taxable	$ 200.00	$ 205.00	$ 5.00	2.50%	Council
Small Marquee (6m x 6m, or up to 36 square metres) weddings and events *	Per marquee	Taxable	$ 650.00	$ 670.00	$ 20.00	3.08%	Council
Medium Marquee (8m x 8m, or up to 64 square metres) weddings and events *	Per marquee	Taxable	$ 1,300.00	$ 1,335.00	$ 35.00	2.69%	Council
Large Marquee *	Per marquee	Taxable					Council
*Note: * = Marquee fees include vehicle access and use of Band Rotunda if required*							
Lake Pertobe - Events							
Low Impact Community Event	Per event	Taxable		No Charge			Council
Small Events (under 200 attendees)	Per event	Taxable	$ 320.00	$ 330.00	$ 10.00	3.13%	Council
Medium Events (between 200 to 500 attendees)	Per event	Taxable	$ 650.00	$ 670.00	$ 20.00	3.08%	Council
Large Events (over 500 attendees)	Per event	Taxable	$ 1,300.00	$ 1,350.00	$ 50.00	3.85%	Council
Open Space - Other							
Low Impact Community Event	Per event			No charge			Council
Small Events (under 200 attendees)	Per event	Taxable		$ 300.00	$ 300.00		Council
Medium Events (between 200 to 500 attendees)	Per event	Taxable		$ 605.00	$ 605.00		Council
Large Events (over 500 attendees)	Per event	Taxable		$ 1,215.00	$ 1,215.00		Council
Roadside Banners							
Installation of banners on CBD roundabouts (2 week period)	Per 2 wk period	Taxable	$ 90.00	$ 90.00	$ -	100.00%	
Lighthouse Theatre							
Staff - all venues and user types							
Supervising Technician	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Technician	Per hour	Taxable	$ 61.00	$ 62.50	$ 1.50	2.46%	Council
Front of House Supervisor or Duty Officer	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Front of House Officer (Box Office, Bar, Merchandise Seller)	Per hour	Taxable	$ 61.00	$ 62.50	$ 1.50	2.46%	Council
Usher Provision Fee	Per performance	Taxable	$ 260.00	$ 266.50	$ 6.50	2.50%	Council
Ticket Fees (patrons & ticket purchasers)							
Online/Web Booking Fee	Per booking	Taxable	$ 6.95	$ 7.10	$ 0.15	2.16%	Council
Phone Booking Fee	Per booking	Taxable	$ 3.00	$ 3.10	$ 0.10	3.33%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Lighthouse Theatre							
Community & Local Non for Profit							
THEATRE ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 620.00	$ 635.50	$ 15.50	2.50%	Council
THEATRE ticketed performance - Second Performance same day	Per performance	Taxable	$ 393.00	$ 402.80	$ 9.80	2.49%	Council
THEATRE - Rehearsal (No Technical Equipment)	Per hour	Taxable	$ 57.00	$ 58.40	$ 1.40	2.46%	Council
THEATRE - Rehearsal (Inc. Technical Equipment)	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Community & Local Non for Profit							
STUDIO ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 399.00	$ 409.00	$ 10.00	2.51%	Council
STUDIO ticketed performance - Second Performance same day	Per performance	Taxable	$ 260.00	$ 266.50	$ 6.50	2.50%	Council
STUDIO - Rehearsal (No Technical Equipment)	Per hour	Taxable	$ 57.00	$ 58.40	$ 1.40	2.46%	Council
STUDIO - Rehearsal (Inc. Technical Equipment)	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Local Artists and Non-local Non for Profit							
THEATRE ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 880.00	$ 902.00	$ 22.00	2.50%	Council
THEATRE ticketed performance - Second Performance same day	Per performance	Taxable	$ 400.00	$ 410.00	$ 10.00	2.50%	Council
THEATRE - Rehearsal (No Technical Equipment)	Per hour	Taxable	$ 57.00	$ 58.40	$ 1.40	2.46%	Council
THEATRE - Rehearsal (Inc. Technical Equipment)	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 548.00	$ 561.70	$ 13.70	2.50%	Council
STUDIO ticketed performance - Second Performance same day	Per performance	Taxable	$ 260.00	$ 266.50	$ 6.50	2.50%	Council
STUDIO - Rehearsal (No Technical Equipment)	Per hour	Taxable	$ 57.00	$ 58.40	$ 1.40	2.46%	Council
STUDIO - Rehearsal (Inc. Technical Equipment)	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Other Fees - Community, Non for Profits and Local Artists							
Equipment & Consumable Items							
Steinway Grand piano (plus tuning if required)	Per item	Taxable	$ 105.00	$ 107.60	$ 2.60	2.48%	Council
Minimum Consumable Charge (gel, tape, batteries)	Per item	Taxable	$ 34.00	$ 36.90	$ 2.90	8.53%	Council
Radio Mics	Per item	Taxable	$ 49.00	$ 50.20	$ 1.20	2.45%	Council
Minimum Marketing Charge	Per item	Taxable	$ 65.00	$ 66.60	$ 1.60	2.46%	Council
Ticketing Fees (Community Hirer) - based on gross prices							
Tickets $10.99 and under	Per ticket	Taxable	$ 1.60	$ 1.60	$ -	0.00%	Council
Tickets $11.00 - $39.99	Per ticket	Taxable	$ 3.10	$ 3.20	$ 0.10	3.23%	Council
Tickets $40.00 and over	Per ticket	Taxable	$ 4.10	$ 4.20	$ 0.10	2.44%	Council
Credit Card/Electronic Payment Fee	Per ticket	Taxable		3.00%			Council
Complimentary Tickets	Per ticket	Taxable	$ 0.60	$ 0.60	$ -	0.00%	Council
Event Creation and Set of Tickets	Per season	Taxable	$ 57.00	$ 58.40	$ 1.40	2.46%	Council
Ticketing Fees (Commercial Hirer) - based on gross prices							
Tickets $10.99 and under	Per ticket	Taxable	$ 3.50	$ 3.50	$ -	0.00%	Council
Tickets $11.00 - $39.99	Per ticket	Taxable	$ 4.50	$ 4.50	$ -	0.00%	Council
Tickets $40.00 - $59.99	Per ticket	Taxable	$ 5.60	$ 5.60	$ -	0.00%	Council
Tickets $60.00 and over	Per ticket	Taxable	$ 6.80	$ 6.90	$ 0.10	1.47%	Council
Credit Card/Electronic Payment Fee	Per ticket	Taxable		3.00%			Council
Complimentary Tickets	Per ticket	Taxable	$ 0.60	$ 0.60	$ -	0.00%	Council
Event Creation and Set of Tickets (Per Season)	Per season	Taxable	$ 125.00	$ 128.10	$ 3.10	2.48%	Council
Urgent (<72hr) Event Creation and Set of Tickets (Per Season)	Per season	Taxable	$ 250.00	$ 256.30	$ 6.30	2.52%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Lighthouse Theatre							
Ticketed Event: Subsidised Professional Companies							
THEATRE ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 1,450.00	$ 1,486.30	$ 36.30	2.50%	Council
THEATRE ticketed performance - Second Performance same day	Per performance	Taxable	$ 655.00	$ 671.40	$ 16.40	2.50%	Council
THEATRE - Rehearsal	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 665.00	$ 681.60	$ 16.60	2.50%	Council
STUDIO ticketed performance - Second Performance same day	Per performance	Taxable	$ 388.00	$ 397.70	$ 9.70	2.50%	Council
STUDIO - Rehearsal	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Ticketed Event: Standard Hirer Rates							
THEATRE ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 2,000.00	$ 2,050.00	$ 50.00	2.50%	Council
THEATRE ticketed performance - Second Performance same day	Per performance	Taxable	$ 670.00	$ 686.80	$ 16.80	2.51%	Council
THEATRE - Rehearsal	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO ticketed performance - Hire rate plus 5% of net ticket sales	Per performance	Taxable	$ 685.00	$ 702.10	$ 17.10	2.50%	Council
STUDIO ticketed performance - Second Performance same day	Per performance	Taxable	$ 410.00	$ 420.30	$ 10.30	2.51%	Council
STUDIO - Rehearsal	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
Other Fees - Subsidised theatre and Standard hires							
Equipment & Consumable Items							
Steinway Grand piano (plus tuning if required)	Per item	Taxable	$ 240.00	$ 246.00	$ 6.00	2.50%	Council
Minimum Consumable Charge (gel, tape, batteries)	Per item	Taxable	$ 70.00	$ 71.80	$ 1.80	2.57%	Council
Radio Mics	Per booking	Taxable	$ 98.00	$ 100.50	$ 2.50	2.55%	Council
Minimum Marketing Charge	Per booking	Taxable	$ 130.00	$ 133.30	$ 3.30	2.54%	Council
Merchandise							
Including foyers, Theatre, Studio, Atrium and Meeting Room	Per sale	Taxable	12% on gross sales				Council
Non-Ticketed Event: Not for Profit Organisations							
THEATRE - Event Hire (up to 9 hrs)	Per session	Taxable	$ 1,350.00	$ 1,383.80	$ 33.80	2.50%	Council
THEATRE - Additional Hours	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO - Event Hire (up to 9 hrs)	Per session	Taxable	$ 735.00	$ 753.40	$ 18.40	2.50%	Council
STUDIO - Additional Hours	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO - Meeting only - basic A/V requirements and fixed layout. (9am to 5pm Monday to Friday only)	Per session	Taxable	$ 360.00	$ 369.00	$ 9.00	2.50%	Council
MEETING ROOM - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 270.00	$ 276.80	$ 6.80	2.52%	Council
MEETING ROOM Half Day (under 4 hours) - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 200.00	$ 205.00	$ 5.00	2.50%	Council
MEETING ROOM - Weekdays outside of business hours and Weekends	Per booking	Taxable		By Negotiation			Council
STUDIO: Used in conjunction with Theatre event hire	Per event per day	Taxable	$ 430.00	$ 440.80	$ 10.80	2.51%	Council
MEETING ROOM: Used in conjunction with Theatre or Studio event hire	Per event per day	Taxable	$ 165.00	$ 169.10	$ 4.10	2.48%	Council
MAIN FOYER - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 345.00	$ 353.60	$ 8.60	2.49%	Council
MAIN FOYER - Weekdays outside of business hours and Weekends	Per booking	Taxable		By Negotiation			Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Lighthouse Theatre							
Non-Ticketed Event: Standard Rates							
THEATRE - Event Hire (up to 9 hrs)	Per session	Taxable	$ 2,250.00	$ 2,306.30	$ 56.30	2.50%	Council
THEATRE - Additional Hours	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO - Event Hire (up to 9 hrs)	Per session	Taxable	$ 880.00	$ 902.00	$ 22.00	2.50%	Council
STUDIO - Additional Hours	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
STUDIO - Meeting only - basic A/V requirements and fixed layout. (9am to 5pm Monday to Friday only)	Per session	Taxable	$ 400.00	$ 410.00	$ 10.00	2.50%	Council
MEETING ROOM Full Day (over 4 hours) - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 270.00	$ 276.80	$ 6.80	2.52%	Council
MEETING ROOM Half Day (under 4 hours) - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 200.00	$ 205.00	$ 5.00	2.50%	Council
MEETING ROOM - Weekdays outside of business hours and Weekends	Per booking	Taxable		By Negotiation			Council
STUDIO: Used in conjunction with Theatre event hire	Per event per day	Taxable	$ 518.00	$ 531.00	$ 13.00	2.51%	Council
MAIN FOYER - Monday to Friday between 9am & 5pm	Per booking	Taxable	$ 353.00	$ 361.80	$ 8.80	2.49%	Council
MAIN FOYER - Weekdays outside of business hours and Weekends	Per booking	Taxable		By Negotiation			Council
MAIN FOYER - Used in conjunction with Theatre: Event	Per booking	Taxable	No Charge	No Charge		0.00%	Council
MAIN FOYER - Used in conjunction with Studio	Per hour	Taxable	$ 125.00	$ 128.10	$ 3.10	2.48%	Council
Room Change Surcharge (Change of Format from Standard)	Per booking	Taxable	$ 70.00	$ 71.80	$ 1.80	2.57%	Council
Functions							
Catered Functions (Dinners, Luncheons, Weddings)							
STUDIO - Function Hire - up to 9 hrs access, includes Meeting Room	Per booking	Taxable	$ 1,350.00	$ 1,383.80	$ 33.80	2.50%	Council
STUDIO - Additional Hire hours or Setup hours	Per hour	Taxable	$ 67.00	$ 68.70	$ 1.70	2.54%	Council
MAIN FOYER - Used in conjunction with Catered Function	Per session	Taxable	$ 130.00	$ 133.30	$ 3.30	2.54%	Council
Other Fees							
Equipment & Consumables Items							
Steinway Grand Piano (plus tuning if required)	Per item	Taxable	$ 240.00	$ 246.00	$ 6.00	2.50%	Council
Radio Mics	Per booking	Taxable	$ 98.00	$ 100.50	$ 2.50	2.55%	Council
Rubbish Removal	Per skip bin	Taxable	$ 160.00	$ 164.00	$ 4.00	2.50%	Council
Aquazone							
Day Admissions: Aquatics							
Adult swim	Per day	Taxable	$ 7.80	$ 8.00	$ 0.20	2.56%	Council
Child swim (3-15 years)	Per day	Taxable	$ 5.40	$ 5.60	$ 0.20	3.70%	Council
Concession swim	Per day	Taxable	$ 5.40	$ 5.60	$ 0.20	3.70%	Council
Family swim (unlimited family members/same residence)	Per day	Taxable	$ 23.30	$ 23.90	$ 0.60	2.58%	Council
Day Admissions: Health & Fitness							
Gymnasium	Per day	Taxable	$ 16.90	$ 17.30	$ 0.40	2.37%	Council
Gymnasium- Concession	per day	Taxable	$ 11.80	$ 12.10	$ 0.30	2.54%	Council
Fitness class	Per class	Taxable	$ 16.90	$ 17.30	$ 0.40	2.37%	Council
Older adult exercise class	Per class	Taxable	$ 11.80	$ 12.10	$ 0.30	2.54%	Council
Preventative Health Classes	Per class	Taxable	$ 6.70	$ 6.90	$ 0.20	2.99%	Council
School aerobics	Per class	Taxable	$ 8.70	$ 8.90	$ 0.20	2.30%	Council
Personal Training 1 hour	Per session	Taxable	$ 97.60	$ 100.00	$ 2.40	2.46%	Council
Personal Training 45 minutes	Per session	Taxable	$ 73.20	$ 75.00	$ 1.80	2.46%	Council
Personal Training ½ hour	Per session	Taxable	$ 48.80	$ 50.00	$ 1.20	2.46%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Aquazone							
Learn to Swim (Pool Entry & Assessment)							
Per class (2nd child and 3rd child discounts apply)	Per class	Non-Taxable	$ 16.20	$ 16.60	$ 0.40	2.47%	Council
Private lessons ½ hour lesson	Per lesson	Non-Taxable	$ 60.50	$ 62.00	$ 1.50	2.48%	Council
1 hour lesson	Per lesson	Non-Taxable	$ 113.50	$ 116.30	$ 2.80	2.47%	Council
School swim - no instruction	Per child	Non-Taxable	$ 5.50	$ 5.60	$ 0.10	1.82%	Council
School swim - with instruction Ration 10:1 - 30min	Per child	Non-Taxable	$ 7.60	$ 7.80	$ 0.20	2.63%	Council
School swim - with instruction Ration 10:1 - 45min	Per child	Non-Taxable	$ 9.35	$ 9.60	$ 0.25	2.67%	Council
School swim - with instruction Ration 10:1 - 60min	Per child	Non-Taxable	$ 11.20	$ 11.50	$ 0.30	2.68%	Council
School swim - with instruction Ration 8:1 - 30min	Per child	Non-Taxable	$ 9.35	$ 9.60	$ 0.25	2.67%	Council
School swim - with instruction Ration 8:1 - 45min	Per child	Non-Taxable	$ 11.20	$ 11.50	$ 0.30	2.68%	Council
School swim - with instruction Ration 8:1 - 60min	Per child	Non-Taxable	$ 13.50	$ 13.80	$ 0.30	2.22%	Council
School swim - with instruction Ration 6:1 - 30min	Per child	Non-Taxable	$ 11.20	$ 11.50	$ 0.30	2.68%	Council
School swim - with instruction Ration 6:1 - 45min	Per child	Non-Taxable	$ 13.50	$ 13.80	$ 0.30	2.22%	Council
School swim - with instruction Ration 6:1 - 60min	Per child	Non-Taxable	$ 16.20	$ 16.60	$ 0.40	2.47%	Council
School at pool	Per child	Non-Taxable	$ 11.50	$ 12.20	$ 0.70	6.09%	Council
Learn to Swim Monthly Direct Debit	Per direct debit per month	Non-Taxable	$ 65.50	$ 69.60	$ 4.10	6.26%	Council
Learn to Swim Monthly Direct Debit (Concession)	Per direct debit per month	Non-Taxable	$ 45.90	$ 48.70	$ 2.80	6.10%	Council
Group Entry							
Adult Swim	Per session	Taxable	$ 7.20	$ 7.40	$ 0.20	2.78%	Council
Adult Gym	Per session	Taxable	$ 15.90	$ 16.30	$ 0.40	2.52%	Council
Adult Fitness Class	Per session	Taxable	$ 15.90	$ 16.30	$ 0.40	2.52%	Council
Child Swim	Per session	Taxable	$ 5.00	$ 5.10	$ 0.10	2.00%	Council
Fitness class - 20 pass	Per pass	Taxable	$ 301.80	$ 309.30	$ 7.50	2.49%	Council
Multi Pass – Aquatics							
Adult - 20 Pass	Per pass	Taxable	$ 139.40	$ 144.00	$ 4.60	3.30%	Council
Adult -50 Pass	Per pass	Taxable	$ 348.50	$ 360.00	$ 11.50	3.30%	Council
Child - 20 Pass	Per pass	Taxable	$ 103.10	$ 100.80	$ (2.30)	-2.23%	Council
Child - 50 Pass	Per pass	Taxable	$ 257.80	$ 252.00	$ (5.80)	-2.25%	Council
Concession - 20 Pass	Per pass	Taxable	$ 97.60	$ 100.80	$ 3.20	3.28%	Council
Concession - 50 Pass	Per pass	Taxable	$ 244.00	$ 252.00	$ 8.00	3.28%	Council
Facility Hire							
Up to four hours	Per booking	Taxable	$ 589.40	$ 604.10	$ 14.70	2.49%	Council
Up to ten hours	Per booking	Taxable	$ 912.30	$ 935.10	$ 22.80	2.50%	Council
Lane hourly - commercial	Per hour per lane	Taxable	$ 48.70	$ 49.90	$ 1.20	2.46%	Council
Lane hourly - community	Per hour per lane	Taxable	$ 5.40	$ 5.50	$ 0.10	1.85%	Council
School booking cancellation fee (per lane) (<12 hrs notice)	Per lane	Taxable	$ 53.10	$ 54.40	$ 1.30	2.45%	Council
Functional Studio	Per hour	Taxable	$ 69.00	$ 70.70	$ 1.70	2.46%	Council
Multi-purpose room	Per hour	Taxable	$ 74.30	$ 76.20	$ 1.90	2.56%	Council
Memberships - Gold							
12 months	Per membership	Taxable	$ 1,158.50	$ 1,187.50	$ 29.00	2.50%	Council
3 months	Per membership	Taxable	$ 289.70	$ 296.90	$ 7.20	2.49%	Council
Direct debit monthly rate	Per membership per month	Taxable	$ 96.60	$ 99.00	$ 2.40	2.48%	Council
Direct Debit monthly Concession Rate	Per membership per month	Taxable	$ 67.50	$ 69.30	$ 1.80	2.67%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Aquazone							
Memberships - Gym and Swim							
12 months	Per membership	Taxable	$ 1,024.60	$ 1,050.20	$ 25.60	2.50%	Council
3 months	Per membership	Taxable	$ 256.10	$ 262.50	$ 6.40	2.50%	Council
Direct debit monthly rate	Per membership per month	Taxable	$ 85.40	$ 87.50	$ 2.10	2.46%	Council
Direct Debit monthly Concession Rate	Per membership per month	Taxable	$ 59.80	$ 61.30	$ 1.50	2.51%	Council
Memberships - Fitness and Swim							
12 months	Per membership	Taxable	$ 1,024.60	$ 1,050.20	$ 25.60	2.50%	Council
3 months	Per membership	Taxable	$ 256.10	$ 262.50	$ 6.40	2.50%	Council
Direct debit monthly rate	Per membership per month	Taxable	$ 85.40	$ 87.50	$ 2.10	2.46%	Council
Direct Debit monthly Concession Rate	Per membership per month	Taxable	$ 59.80	$ 61.30	$ 1.50	2.51%	Council
Memberships - Swim Only							
12 months	Per membership	Taxable	$ 922.50	$ 945.60	$ 23.10	2.50%	Council
3 months	Per membership	Taxable	$ 230.60	$ 236.40	$ 5.80	2.52%	Council
Direct debit monthly rate	Per membership per month	Taxable	$ 76.90	$ 78.80	$ 1.90	2.47%	Council
Direct Debit monthly Concession Rate	Per membership per month	Taxable	$ 53.80	$ 55.10	$ 1.30	2.42%	Council
Memberships - Family Swim							
12 months	Per membership	Taxable	$ 2,036.90	$ 2,087.80	$ 50.90	2.50%	Council
3 months	Per membership	Taxable	$ 509.20	$ 521.90	$ 12.70	2.49%	Council
Direct debit monthly rate	Per membership per month	Taxable	$ 169.70	$ 173.90	$ 4.20	2.47%	Council
Art Gallery							
User Fees and Charges							
Admission to special exhibition/event	Per admission	Taxable	Dependent on exhibition/ event				Council
Research Inquiry – per hour	Per hour	Taxable	$ 47.80	$ 49.00	$ 1.20	2.51%	Council
Curatorial Advice – per hour	Per hour	Taxable	$ 132.60	$ 135.90	$ 3.30	2.49%	Council
Education workshop/activity	Per activity	Taxable	Dependent on activity				Council
Public program event/activity	Per activity	Taxable	Dependent on activity				Council
Front-of-house and out-of-hours staff	Per hour	Taxable	$ 47.80	$ 49.00	$ 1.20	2.51%	Council
Art Gallery							
Annual Subscription							
Family	Per subscription	Taxable	$ 70.00	$ 70.00	$ -	0.00%	Council
Family 3 Years	Per subscription	Taxable	$ 200.00	$ 200.00	$ -	0.00%	Council
Individual	Per subscription	Taxable	$ 40.00	$ 40.00	$ -	0.00%	Council
Individual 3 years	Per subscription	Taxable	$ 110.00	$ 110.00	$ -	0.00%	Council
Individual concession	Per subscription	Taxable	$ 30.00	$ 30.00	$ -	0.00%	Council
Individual concession 3 years	Per subscription	Taxable	$ 80.00	$ 80.00	$ -	0.00%	Council
Life	Per subscription	Taxable	$ 1,000.00	$ 1,000.00	$ -	0.00%	Council
Rental							
Exhibition in George Lance Gallery/Temporary Exhibition Gallery	Per Exhibition	Taxable	Negotiation				Council
Commission on art sales	Per sale	Taxable	$ 0.40	$ 0.40	$ -	0.00%	Council
Commission on shop sales	Per sale	Taxable	$ 1.10	$ 1.10	$ -	0.00%	Council
Commission on consignment shop sales	Per sale	Taxable	$ 0.30	$ 0.30	$ -	0.00%	Council
Meetings/functions	Per hour	Taxable	$ 132.60	$ 135.90	$ 3.30	2.49%	Council
Back loading frames – per hour each	Per hour / each	Taxable	$ 10.70	$ 11.00	$ 0.30	2.80%	Council
Lectern hire	Per hour	Taxable	$ 10.70	$ 11.00	$ 0.30	2.80%	Council
Microphone and overhead PA	Per hour	Taxable	$ 21.20	$ 21.70	$ 0.50	2.36%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Sportsgrounds							
Sports ground casual hire (includes use of pavilion)							
Half day	Per booking	Taxable	$ 150.00	$ 155.00	$ 5.00	3.33%	Council
Full day	Per booking	Taxable	$ 300.00	$ 305.00	$ 5.00	1.67%	Council
Sports ground oval line marking (pre-season practice matches)	Per booking	Taxable	$ 150.00	$ 155.00	$ 5.00	3.33%	Council
Football/Netball League Finals (senior competition)	Per day	Taxable	$ 1,100.00	$ 1,150.00	$ 50.00	4.55%	Council
Football/Netball League Finals (junior and/or female competition only)	Per day	Taxable	$ 550.00	$ 550.00	$ -	0.00%	Council
Cricket League Finals (senior competitions)	Per day	Taxable	$ 275.00	$ 280.00	$ 5.00	1.82%	Council
Cricket League Finals (junior and/or female competition only)	Per day	Taxable	$ 137.50	$ 140.00	$ 2.50	1.82%	Council
School Use (local, interschool, regional, state competition days)	Per day	Taxable	$ 550.00	$ 550.00	$ -	0.00%	Council
Commercial hire	Per day	Taxable	$ 2,200.00	$ 2,250.00	$ 50.00	2.27%	Council
Unauthorised Use (base charge plus at cost cleaning and/or damages)	Per event	Taxable	$ 1,100.00	$ 1,100.00	$ -	0.00%	Council
Unauthorised Works on Council Owned or Managed Land (base charge plus at cost cleaning and/or damages, rectification and/or remedial works)	Per event	Taxable	$ 2,200.00	$ 2,200.00	$ -	0.00%	Council
Commercial cleaning of facilities (when left in unsuitable condition)	Per event	Taxable		Cost + 25%			Council
Reid Oval social room - clubs/community groups (no kitchen use)	Per hour	Taxable	$ 27.50	$ 27.50	$ -	0.00%	Council
Reid Oval social room - clubs/community groups (includes kitchen use)	Per hour	Taxable	$ 44.00	$ 44.00	$ -	0.00%	Council
Reid Oval social room - commercial/for profit groups (no kitchen use)	Per hour	Taxable	$ 55.00	$ 60.00	$ 5.00	9.09%	Council
Reid Oval social room - commercial/for profit groups (includes kitchen use)	Per hour	Taxable	$ 77.00	$ 80.00	$ 3.00	3.90%	Council
Reid Oval oval floodlights (competition/event use)	Per hour	Taxable	$ 44.00	$ 44.00	$ -	0.00%	Council
Commercial cleaning of facilities (post League finals, casual events & schol compeititon use)	Per booking	Taxable	$ 220.00	$ 250.00	$ 30.00	13.64%	Council
Sports ground seasonal use fee							
Category 1 (Oval, netball courts x 2 & change rooms)	Per season	Taxable	$ 8,487.60	$ 8,487.60	$ -	0.00%	Council
Category 2 (Oval, netball court x 1 & change rooms)	Per season	Taxable	$ 6,790.30	$ 6,790.30	$ -	0.00%	Council
Category 3 (Oval, practice nets & change rooms)	Per season	Taxable	$ 5,093.00	$ 5,093.00	$ -	0.00%	Council
Category 4 (Oval & change rooms)	Per season	Taxable	$ 4,243.80	$ 4,243.80	$ -	0.00%	Council
Category 5 (Oval)	Per season	Taxable	$ 849.20	$ 849.20	$ -	0.00%	Council
Category 6 (Regional Facility)	Per season	Taxable	At cost plus 25%				Council
Pre-season fee (Jan to Mar training, plus 25% of seasonal fee)	Per season	Taxable	At cost plus 25%				Council
Pre-season fee (Oct to Mar training, plus 50% of seasonal fee)	Per season	Taxable	At cost plus 50%				Council
Use of second ground for competition (plus 50% of seasonal fee)	Per season	Taxable	At cost plus 50%				Council
All year round competition use (incur two seasonal charges)	Per season	Taxable	At cost x 2				Council
Recreation Facilities rent		Taxable	By Negotiation				Council
Warrnambool Stadium							
Player Fees							
School	Per player	Taxable	$ 6.00	$ 6.10	$ 0.10	1.67%	Council
Casual Shot	Per player	Taxable	$ 5.00	$ 5.50	$ 0.50	10.00%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Warrnambool Stadium							
Stadium Hire							
Court hire for licenced resident sports associations domestic competitions & training	Per hour	Taxable	$ 42.00	$ 43.00	$ 1.00	2.38%	Council
Hourly rate with lights: commercial	Per hour	Taxable	$ 369.00	$ 378.20	$ 9.20	2.49%	Council
Hourly rate with lights: community/school	Per hour	Taxable	$ 261.40	$ 267.90	$ 6.50	2.49%	Council
School use between 9am - 3pm	Per booking	Taxable	$ 1,004.50	$ 1,030.00	$ 25.50	2.54%	Council
Highball Court - up to 12 hours	Per booking	Taxable	$ 527.90	$ 541.10	$ 13.20	2.50%	Council
Highball Court - with lights: commercial	Per hour	Taxable	$ 83.00	$ 84.00	$ 1.00	1.20%	Council
Highball Court - with lights: community/school	Per hour	Taxable	$ 62.50	$ 64.00	$ 1.50	2.40%	Council
Highball Court - School use between 9am - 3pm	Per booking	Taxable	$ 369.00	$ 375.00	$ 6.00	1.63%	Council
Show Court - up to 12 hours	Per booking	Taxable	$ 686.80	$ 704.00	$ 17.20	2.50%	Council
Show Court - with lights: commercial	Per hour	Taxable	$ 83.00	$ 84.00	$ 1.00	1.20%	Council
Show Court - with lights: community/school	Per hour	Taxable	$ 62.50	$ 64.00	$ 1.50	2.40%	Council
Show Court - School use between 9am - 3pm	Per booking	Taxable	$ 369.00	$ 378.00	$ 9.00	2.44%	Council
Seahawks/Mermaids Home Games & Finals							
Both Teams	Per game	Taxable	$ 697.00	$ 710.00	$ 13.00	1.87%	Council
Single Team	Per game	Taxable	$ 430.50	$ 440.00	$ 9.50	2.21%	Council
Multi-Purpose Room							
Up to 12 hours (with other hires)	Per booking	Taxable	$ 205.00	$ 210.00	$ 5.00	2.44%	Council
Up to 12 hours (room only)	Per booking	Taxable	$ 410.00	$ 420.00	$ 10.00	2.44%	Council
Multi-purpose room - Per hour	Per hour	Taxable	$ 61.50	$ 63.00	$ 1.50	2.44%	Council
User groups up to 12 hours	Per booking	Taxable	$ 153.80	$ 157.60	$ 3.80	2.47%	Council
Facility Hire							
Kitchen facilities	Per booking	Taxable	$ 194.80	$ 200.00	$ 5.20	2.67%	Council
User group sports hire up to 12 hours	Per booking	Taxable	$ 1,322.30	$ 1,355.40	$ 33.10	2.50%	Council
3crt stadium Commercial users up to 12 hours	Per booking	Taxable	$ 1,906.50	$ 1,954.20	$ 47.70	2.50%	Council
2crt NB stadium up to 12 hours	Per booking	Taxable	$ 1,009.60	$ 1,034.80	$ 25.20	2.50%	Council
Outside School Hours Care							
Vacation care daily rate	Per day	Non-Taxable	$ 90.20	$ 92.50	$ 2.30	2.55%	Council
After school care casual rate per session	Per session	Non-Taxable	$ 31.90	$ 32.70	$ 0.80	2.51%	Council
After school care permanent rate per session	Per session	Non-Taxable	$ 28.70	$ 29.40	$ 0.70	2.44%	Council
Childrens Services							
Centre Based Care							
User Fees & Charges							
Daily fee - Jul to Dec	Per day	Non-Taxable	$ 132.00	$ 140.00	$ 8.00	6.06%	Council
Daily fee - Jan to June	Per day	Non-Taxable	$ 132.00	$ 140.00	$ 8.00	6.06%	Council
Family Day Care							
User Fees & Charges							
8am to 6pm – per hour	Fees & charges set by Educators under National guidelines	Non-Taxable	Fees & charges set by Educators under National guidelines				Council
After hours – per hour							Council
Public holidays – per hour							Council
Breakfast							Council
Lunch							Council
Dinner							Council
Snacks							Council
Trips							Council
Parent Admin Levy - per child per week, capped at 2 children	Per child per week	Non-Taxable	$ 10.50	$ 11.00	$ 0.50	4.76%	Council
Educator Levy - per hour	Per hour	Non-Taxable	$ 1.20	$ 1.30	$ 0.10	8.33%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Community Care (previously HACC)							
Home Maintenance							
Lawn mowing and tip fees: low	Per hour	Non-Taxable	$ 21.70	$ 22.40	$ 0.70	3.23%	Council
Lawn mowing and tip fees: medium & couples	Per hour	Non-Taxable	$ 41.20	$ 51.50	$ 10.30	25.00%	Council
Lawn mowing and tip fees: Private	Per hour	Taxable	$ 82.90	$ 103.60	$ 20.70	24.97%	Council
Home Care Packages and Brokerage Clients	Per hour	Taxable	$ 82.90	$ 103.60	$ 20.70	24.97%	Council
Tip fee		Taxable	$ 5.30	$ 6.60	$ 1.30	24.53%	Council
HACC - Lawn mowing and tip fees: low (plus cost of materials)	Per hour	Non-Taxable	$ 14.15	$ 14.60	$ 0.45	3.18%	Council
HACC - Lawn mowing and tip fees: Medium (plus cost of materials)	Per hour	Non-Taxable	$ 21.10	$ 21.70	$ 0.60	2.84%	Council
Property modification (plus cost of materials): low	Per hour	Non-Taxable	$ 21.70	$ 22.20	$ 0.50	2.30%	Council
Property modification (plus cost of materials): medium	Per hour	Non-Taxable	$ 41.20	$ 73.50	$ 32.30	78.40%	Council
Property modification (plus cost of materials): Private	Per hour	Taxable	$ 82.90	$ 103.60	$ 20.70	24.97%	Council
Home Care Packages and Brokerage Clients	Per hour	Taxable	$ 82.90	$ 103.60	$ 20.70	24.97%	Council
Note: Minimum 1 hour applies to home maintenance							
Home Care							
HACC Community Care Low care	Per hour	Non-Taxable	$ 9.80	$ 13.10	$ 3.30	33.67%	Council
HACC Community Care Medium Care	Per hour	Non-Taxable	$ 17.40	$ 17.65	$ 0.25	1.44%	Council
HACC Community Care High care	Per hour	Non-Taxable	$ 53.50	$ 87.10	$ 33.60	62.80%	Council
Home Care Packages and Brokerage Clients	Per hour	Non-Taxable	$ 69.70	$ 87.10	$ 17.40	24.96%	Council
CHSP Personal care – low	Per hour	Non-Taxable	$ 9.80	$ 13.10	$ 3.30	33.67%	Council
CHSP Personal care – medium	Per hour	Non-Taxable	$ 17.40	$ 23.50	$ 6.10	35.06%	Council
CHSP Personal care - High	Per hour	Non-Taxable	$ 53.50	$ 87.10	$ 33.60	62.80%	Council
Home Care Packages and Brokerage Clients	Per hour	Non-Taxable	$ 69.70	$ 87.10	$ 17.40	24.96%	Council
CHSP Community Care Low	Per hour	Non-Taxable	$ 9.80	$ 13.10	$ 3.30	33.67%	Council
CHSP Community Care Medium	Per hour	Non-Taxable	$ 17.40	$ 23.50	$ 6.10	35.06%	Council
CHSP Community Care High	Per hour	Non-Taxable	$ 53.50	$ 87.10	$ 33.60	62.80%	Council
Home Care Packages and Brokerage Clients	Per hour	Non-Taxable	$ 69.70	$ 87.10	$ 17.40	24.96%	Council
Note: Minimum 1/2 hour applies to home care							
Flexible Respite care	Per session	Non-Taxable	$ 5.40	$ 7.00	$ 1.60	29.63%	Council
Respite Care Programs	Per session	Non-Taxable	$ 8.50	$ 8.80	$ 0.30	3.53%	Council
Accomidation Respite care	One night	Non-Taxable	$ 15.90	$ 16.40	$ 0.50	3.14%	Council
Accomidation Respite care	Two night	Non-Taxable	$ 26.60	$ 27.40	$ 0.80	3.01%	Council
CACPS	Per hour	Taxable	$ 69.50	$ 71.60	$ 2.10	3.02%	Council
Post Acute Care	Per hour	Taxable	$ 69.50	$ 71.60	$ 2.10	3.02%	Council
CHSP/HACC Financial Hardship Fee	Per Application	Taxable	$ 3.20	$ 3.30	$ 0.10	3.12%	Council
Plus travel costs per km - Private Clients / Fees for Service	Per km	Taxable	$ 1.50	$ 1.60	$ 0.10	6.67%	Council
Note: - Minimum 1 hour applies to Home Care and Respite Care services - Minimum ½ hour applies to Personal Care services - Minimum 1 hour will apply to all services provided outside of regular hours, Monday to Friday 6 am to 6pm - Time and ½ is charged to CACPS and PAC after 6pm for the first 2 hours and then double time after that, Saturday incurs time and ½ for the first 2 hours and then double time before midday - After midday until Monday morning 6am charges are double time - All CHSP & HACC PYP Programs are GST free							

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Community Care (previously HACC)							
Social Support Group							
CHSP Daily session fee – low	Per session	Non-Taxable	$ 8.60	$ 8.90	$ 0.30	3.49%	Council
CHSP Daily session fee – medium	Per session	Non-Taxable	$ 10.70	$ 11.00	$ 0.30	2.80%	Council
CHSP Daily session fee – high	Per session	Non-Taxable	$ 43.30	$ 44.60	$ 1.30	3.00%	Council
CHSP In Venue Meal	Per meal	Non-Taxable	$ 9.90	$ 10.20	$ 0.30	3.03%	Council
CHSP Café program	Per session	Non-Taxable	$ 8.60	$ 8.90	$ 0.30	3.49%	Council
CHSP Financial Hardship Fee	Per Application	Taxable	$ 3.20	$ 3.30	$ 0.10	3.12%	Council
CHSP Social Support Individual - session fee	Per session	Non-Taxable	N/A	$ 8.80			Council
HACC Daily session fee – low & medium	Per session	Non-Taxable	$ 8.60	$ 8.90	$ 0.30	3.49%	Council
HACC Daily session fee – high & full cost participants (GST free)	Per session	Non-Taxable	$ 43.30	$ 44.60	$ 1.30	3.00%	Council
HACC In Venue Meal	Per meal	Non-Taxable	$ 9.90	$ 10.20	$ 0.30	3.03%	Council
HACC Café program	Per session	Non-Taxable	$ 8.60	$ 8.90	$ 0.30	3.49%	Council
HACC Financial Hardship Fee	Per Application	Taxable	$ 3.20	$ 3.30	$ 0.10	3.12%	Council
Meals On Wheels							
CHSP Meal 3 course	Per meal	Non-Taxable	$ 13.00	$ 14.50	$ 1.50	11.54%	Council
HACC Meal 3 course	Per meal	Non-Taxable	$ 13.00	$ 14.50	$ 1.50	11.54%	Council
CHSP Meal 2 course	Per meal	Non-Taxable	$ 10.00	$ 13.00	$ 3.00	30.00%	Council
HACC Meal 2 course	Per meal	Non-Taxable	$ 10.00	$ 13.00	$ 3.00	30.00%	Council
HCP Meal 3 Course	Per meal	Non-Taxable	$ 20.20	$ 27.50	$ 7.30	36.14%	Council
Archie Graham							
User Fees & Charges							
Hydro pools casual admission	Per admission	Non-Taxable	$ 10.80	$ 11.10	$ 0.30	2.78%	Council
Commercial pool use	Per use	Taxable	$ 107.90	$ 110.60	$ 2.70	2.50%	Council
Community pool use	Per use	Taxable	$ 75.50	$ 77.40	$ 1.90	2.52%	Council
Tech Support	Per session	Taxable	$ 7.50	$ 7.70	$ 0.20	2.67%	Council
Mahjong, scrabble, backgammon	Per session	Taxable	$ 2.00	$ 2.10	$ 0.10	5.00%	Council
Room hire							
Small Interview Room - Office Style / Interview Room (Capacity 2-3)	Per hour per room	Taxable	$ 17.40	$ 17.80	$ 0.40	2.30%	Council
Small Interview Room - Office Style / Interview Room (Capacity 2-3)	Per half day per room	Taxable	$ 58.40	$ 59.90	$ 1.50	2.57%	Council
Small Interview Room - Office Style / Interview Room (Capacity 2-3)	Per full day per room	Taxable	$ 104.60	$ 107.20	$ 2.60	2.49%	Council
Medium Interview Room - Office Style / Interview Room (Capacity 4-6)	Per hour per room	Taxable	$ 23.10	$ 23.70	$ 0.60	2.60%	Council
Medium Interview Room - Office Style / Interview Room (Capacity 4-6)	Per half day per room	Taxable	$ 81.50	$ 83.50	$ 2.00	2.45%	Council
Medium Interview Room - Office Style / Interview Room (Capacity 4-6)	Per full day per room	Taxable	$ 138.40	$ 141.90	$ 3.50	2.53%	Council
Seniors Meeting Room - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per hour per room	Taxable	$ 28.70	$ 29.40	$ 0.70	2.44%	Council
Seniors Meeting Room - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per half day per room	Taxable	$ 98.40	$ 100.90	$ 2.50	2.54%	Council
Seniors Meeting Room - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per full day per room	Taxable	$ 184.50	$ 189.10	$ 4.60	2.49%	Council
Recreation Hall - Lecture/Workshop: Tables and chairs (Capacity 150/80)	Per hour per room	Taxable	$ 46.10	$ 47.30	$ 1.20	2.60%	Council
Recreation Hall - Lecture/Workshop: Tables and chairs (Capacity 150/80)	Per half day per room	Taxable	$ 151.70	$ 155.50	$ 3.80	2.50%	Council
Recreation Hall - Lecture/Workshop: Tables and chairs (Capacity 150/80)	Per full day per room	Taxable	$ 276.80	$ 283.70	$ 6.90	2.49%	Council
Community Programs 1 - Lecture/Workshop: Tables and chairs (Capacity 35/25)	Per hour per room	Taxable	$ 40.50	$ 41.50	$ 1.00	2.47%	Council
Community Programs 1 - Lecture/Workshop: Tables and chairs (Capacity 35/25)	Per half day per room	Taxable	$ 138.40	$ 141.90	$ 3.50	2.53%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Archie Graham							
Room hire (connt)							
Community Programs 1 - Lecture/Workshop: Tables and chairs (Capacity 35/25)	Per full day per room	Taxable	$ 232.70	$ 238.50	$ 5.80	2.49%	Council
Community Programs 2 - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per hour per room	Taxable	$ 34.90	$ 35.80	$ 0.90	2.58%	Council
Community Programs 2 - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per half day per room	Taxable	$ 115.80	$ 118.70	$ 2.90	2.50%	Council
Community Programs 2 - Lecture/Workshop: Tables and chairs (Capacity 30/20)	Per full day per room	Taxable	$ 209.10	$ 214.30	$ 5.20	2.49%	Council
West Warrnambool Neighbourhood House							
WWNH Meeting Room: Tables and Chairs (Capacity 10/15)	Per 2 hours per room	Taxable	NEW	$ 25.00			
WWNH Meeting Room: Tables and Chairs (Capacity 10/15)	Per half day per room	Taxable	NEW	$ 50.00			
WWNH Meeting Room: Tables and Chairs (Capacity 10/15)	Per full day per room	Taxable	NEW	$ 100.00			
WWNH Community Space: Tables and Chairs (Capacity 12/16)	Per 2 hours per room	Taxable	NEW	$ 37.50			
WWNH Community Space: Tables and Chairs (Capacity 12/16)	Per half day per room	Taxable	NEW	$ 75.00			
WWNH Community Space: Tables and Chairs (Capacity 12/16)	Per full day per room	Taxable	NEW	$ 150.00			
Note: - Not for Profit (NFP) Organisations will receive a flat 50% discount on full rates outlined above. NFP eligibility status must be confirmed by providing documentation outlining registration with a regulatory body - Volunteer groups can access Archie venues at no charge, subject to room availability and proof of volunteer status - Please note Organisations may apply for financial assistance for room hire fee through the Community Support Fund https://www.warrnambool.vic.gov.au/community-development-fund - Alternatively organisations may negotiate in-kind donation of room hire through a Warrnambool City Council partnership arrangement							
Health							
Food							
Class 1 - Aged Care/Hospitals	Per application	Non-Taxable	$ 793.20	$ 813.00	$ 19.80	2.50%	Council
Class 1 - Childcare	Per application	Non-Taxable	$ 528.80	$ 542.00	$ 13.20	2.50%	Council
Class 2 - Supermarket	Per application	Non-Taxable	$ 1,500.00	$ 1,537.50	$ 37.50	2.50%	Council
Class 2 - Major (ie. large capacity venues, licensed hotels/gaming venues, manufacturers, large food franchises)	Per application	Non-Taxable	$ 717.00	$ 734.90	$ 17.90	2.50%	Council
Class 2 General	Per application	Non-Taxable	$ 478.00	$ 490.00	$ 12.00	2.51%	Council
Class 2 - Home Based	Per application	Non-Taxable	$ 382.40	$ 392.00	$ 9.60	2.51%	Council
Class 2 - Canteens/sporting club kitchens	Per application	Non-Taxable	$ 163.90	$ 168.00	$ 4.10	2.50%	Council
Class 2 - Additional FoodTrader Component	Per application	Non-Taxable	$ 136.00	$ 139.40	$ 3.40	2.50%	Council
Class 3 - Supermarket	Per application	Non-Taxable	$ 478.00	$ 490.00	$ 12.00	2.51%	Council
Class 3 and 3A - General	Per application	Non-Taxable	$ 244.00	$ 250.10	$ 6.10	2.50%	Council
Class 3 - Home Based	Per application	Non-Taxable	$ 183.00	$ 187.60	$ 4.60	2.51%	Council
Class 3 - Additional FoodTrader Component	Per application	Non-Taxable	$ 76.00	$ 77.90	$ 1.90	2.50%	Council
Hairdressers, beauty salons (one off fee)	Per application	Non-Taxable	$ 237.10	$ 243.00	$ 5.90	2.49%	Council
Beauty premises - General Procedures	Per application	Non-Taxable	$ 168.10	$ 172.30	$ 4.20	2.50%	Council
Beauty premises - Skin Penetration	Per application	Non-Taxable	$ 252.00	$ 258.30	$ 6.30	2.50%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Health							
Onsite Wastewater Management Systems (OWMS)							
Note: The EPA's Environment Protection Regulations now sets the fees for OWMS							
Application to construct, install or alter OWMS [1]	Per application	Non-Taxable	$ 779.40	$ 818.20	$ 38.80	4.98%	Statutory
Application for minor alteration to OWMS [2]	Per application	Non-Taxable	$ 594.00	$ 623.50	$ 29.50	4.97%	Statutory
Transfer a permit [3]	Per application	Non-Taxable	$ 158.40	$ 166.30	$ 7.90	4.99%	Statutory
Amend a permit [4]	Per application	Non-Taxable	$ 165.50	$ 173.70	$ 8.20	4.95%	Statutory
Renew a permit [5]	Per application	Non-Taxable	$ 132.50	$ 139.10	$ 6.60	4.98%	Statutory
Notes:							
[1] In addition to the initial fee, $91 payable per hour of assessment (after exceeding initial 8.2 hours) up to a maximum of $2,006							
[2] Consists only of the installation, replacement or relocation of the internal plumbing, fixtures or fittings of an OWMS							
[3] An OWMS application has been submitted but not yet installed, and the land is transferred							
[4] E.g. changing wastewater system type or plumber in the Application to Install							
[5] When the Permit to Install has expired - 2 years after it was issued							
Acquatic Facilities							
Annual registration fee - first pool	Per registration	Non-Taxable	$ 318.30	$ 326.30	$ 8.00	2.51%	Council
Annual registration fee - subsequent pools	Per registration	Non-Taxable	$ 53.10	$ 54.40	$ 1.30	2.45%	Council
Transfer fee	Per registration	Non-Taxable		50% of Annual Fee			Council
Pool sampling fee - microbiological	Per sample	Non-Taxable	$ 77.00	$ 78.90	$ 1.90	2.47%	Council
New Registration Fees							
New premises pre-application fee and/or pre-registration inspection fee	Per registration	Non-Taxable	$ 226.50	$ 232.20	$ 5.70	2.52%	Council
Notes:							
- Pro-rata fees apply for new registrations (quarterly)							
Transfer fees							
Transfer fee	Per application	Non-Taxable		50% of Annual Fee			Council
Accommodation							
Accommodation premises	Per application		$ 264.10	$ 270.70	$ 6.60	2.50%	Council
Other fees							
Re-inspection fee	Per application		$ 92.90	$ 95.20	$ 2.30	2.48%	Council
Caravan Parks							
Caravan Parks (per site)	Per application			Per Vic govt statutory rate			Statutory
Immunisation							
User Fees & Charges							
Application for immunisation records (search fee)	Per application	Non-Taxable	$ 27.00	$ 30.00	$ 3.00	11.11%	Council
Influenza vaccine & administration (flu injection)	Per injection	Taxable	$ 29.00	$ 30.00	$ 1.00	3.45%	Council
Meningococcal B vaccine & administration	Per injection	Taxable	New	$ 150.00			
Chickenpox vaccine & administration	Per injection	Taxable	New	$ 90.00			
Assesment of overseas immunisation records (inclusion on to AIR)	Per child	Non-Taxable	$ 82.00	$ 85.00	$ 3.00	3.66%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Local Laws							
User Fees & Charges							
Derelict vehicle release	Per vehicle	Non-Taxable	$ 441.00	$ 452.00	$ 11.00	2.49%	Council
Tables and chairs	Per table	Non-Taxable	$ 185.00	$ 185.00	$ -	0.00%	Council
Goods on footpath	Per item	Non-Taxable	$ 233.00	$ 238.00	$ 5.00	2.15%	Council
A/Frames permit	Per frame	Non-Taxable	$ 162.00	$ 166.00	$ 4.00	2.47%	Council
Itinerant trading annual permit	Per application	Non-Taxable	$ 636.00	$ 651.00	$ 15.00	2.36%	Council
Itinerant trading 6 monthly permit	Per application	Non-Taxable	$ 371.00	$ 380.00	$ 9.00	2.43%	Council
Itinerant trading weekend permit	Per application	Non-Taxable	$ 132.00	$ 135.00	$ 3.00	2.27%	Council
Itinerant trading organiser permit (markets and festivals)	Per application	Non-Taxable	$ 1,591.00	$ 1,630.00	$ 39.00	2.45%	Council
Impounded trolley release fee	Per trolley	Non-Taxable	$ 127.00	$ 130.00	$ 3.00	2.36%	Council
Permit to burn	Per permit	Non-Taxable	$ 127.00	$ 130.00	$ 3.00	2.36%	Council
Horses on beach trainer permit	Per permit	Non-Taxable	$ 272.00	$ 278.00	$ 6.00	2.21%	Council
Horses on beach daily access fee	Per horse	Non-Taxable	$ 3.60	$ 3.70	$ 0.10	2.78%	Council
Horses on beach swim access fee	Per horse	Non-Taxable	$ 2.10	$ 2.20	$ 0.10	4.76%	Council
Hire of cat cage	Per cage	Non-Taxable	$ 30.00	$ 30.00	$ -	0.00%	Council
Hire Citronella Collar per week	Per item	Non-Taxable	$ 25.00	$ 25.00	$ -	0.00%	Council
Hire Bark inhibiter per week	Per item	Non-Taxable	$ 25.00	$ 25.00	$ -	0.00%	Council
Hire Bark counter per week	Per item	Non-Taxable	$ 25.00	$ 25.00	$ -	0.00%	Council
Block slashing prior to declared fire season	Per job	Non-Taxable	$ 170.00	$ 175.00	$ 5.00	2.94%	Council
Skip bin permit	Per permit	Non-Taxable	$ 20.00	$ 20.00	$ -	0.00%	Council
Parking Fees and Fines							
On-Street and Off Street							
1st hour off street parking (excluding Coles & Target carparks) in zones 1P & 2P	Per hour	Taxable	No charge				Council
All parking zones 1P 2P 4P	Per hour	Taxable	$ 2.00	$ 2.00	$ -	0.00%	Non-statutory
All Day	Per day	Taxable	$ 4.00	$ 5.00	$ 1.00	25.00%	Non-statutory
Disabled Parking	Per day	Taxable	No charge				Council
Reserved bay permit in CBD per day	Per day	Taxable	$ 15.00	$ 15.00	$ -	0.00%	Council
Credit Surcharge on Smart Meters							
Credit Surcharge on Smart Meters	Per transaction	Taxable	Dependent on Bank Fees				Council
Parking Permits - Disabled and Returned Service							
Replacement	Per permit	Non-Taxable	No charge				Council
New	Per permit	Non-Taxable	No charge				Council
Resident Parking permit	Per permit per annum	Non-Taxable	$ 15.00	$ 15.00	$ -	0.00%	Council
Car parking Fines							
Car parking fines set by Council (0.5 Penalty Unit)	Per fine	Non-Taxable	$ 99.00	$ 99.00	$ -	0.00%	Non-statutory
Local Laws							
Animal Registrations							
Unsterilised dog	Per dog	Non-Taxable	$ 220.00	$ 220.00	$ -	0.00%	Council
Sterilised dog	Per dog	Non-Taxable	$ 72.00	$ 72.00	$ -	0.00%	Council
Unsterilised dog (pensioner)	Per dog	Non-Taxable	$ 110.00	$ 110.00	$ -	0.00%	Council
Sterilised dog (pensioner)	Per dog	Non-Taxable	$ 36.00	$ 36.00	$ -	0.00%	Council
Dog over 10 years old	Per dog	Non-Taxable	$ 72.00	$ 72.00	$ -	0.00%	Council
Dog over 10 years old (pensioner)	Per dog	Non-Taxable	$ 36.00	$ 36.00	$ -	0.00%	Council
Dog kept for working with Livestock (rural)	Per dog	Non-Taxable	$ 72.00	$ 72.00	$ -	0.00%	Council
Dog kept for working with Livestock (rural) (pensioner)	Per dog	Non-Taxable	$ 36.00	$ 36.00	$ -	0.00%	Council
Dog registration at pound release	Per dog	Non-Taxable	$ 37.00	$ 37.00	$ -	0.00%	Council
Declared Dangerous or Restricted Breed	Per dog	Non-Taxable	$ 338.00	$ 338.00	$ -	0.00%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Local Laws							
Animal Registrations (cont)							
Unsterilised cat	Per cat	Non-Taxable	$ 220.00	$ 220.00	$ -	0.00%	Council
Sterilised cat	Per cat	Non-Taxable	$ 72.00	$ 72.00	$ -	0.00%	Council
Cat registration at pound release	Per cat	Non-Taxable	$ 36.00	$ 36.00	$ -	0.00%	Council
Unsterilised cat (pensioner)	Per cat	Non-Taxable	$ 110.00	$ 110.00	$ -	0.00%	Council
Sterilised cat (pensioner)	Per cat	Non-Taxable	$ 36.00	$ 36.00	$ -	0.00%	Council
Permit to house a third dog / cat	Per cat	Non-Taxable	$ 102.00	$ 102.00	$ -	0.00%	Council
Replacement registration tag	Per tag	Non-Taxable	$ 20.00	$ 20.00	$ -	0.00%	Council
Registered Foster Carer	Per registration	Non-Taxable	$ 20.00	$ 20.00	$ -	0.00%	Council
Foster Care Dog / Cat Fee	Per animal	Non-Taxable	$ 8.00	$ 8.00	$ -	0.00%	Council
Grazing permit	Per permit	Non-Taxable	$ 205.00	$ 205.00	$ -	0.00%	Council
Registered animal businesses	Per businesses	Non-Taxable	$ 210.00	$ 210.00	$ -	0.00%	Council
Impounded animal release fee: Cat	Per Cat	Non-Taxable	$ 170.00	$ 170.00	$ -	0.00%	Council
Impounded animal release fee: Dog	Per Dog	Non-Taxable	$ 170.00	$ 170.00	$ -	0.00%	Council
Notes:							
- Animal registration fees apply from 1 April 2024							
- Pro-rata fees – 50% of pet registration fees apply after 1 November							
- Deceased animals – 50% refund of fees available/claimed up to 1 November of current registration period							
Local Law - Stock Crossing Permit	Per transaction	Non-Taxable	$ 160.00	$ 160.00	$ -	0.00%	Council
Short stay accomodation							
Short Stay Accommodation	Per Dwelling	Non-Taxable	$ 400.00	$ -	$ -	0.00%	Council
Microchip & Vaccination Fees							
Microchip fee	Per animal	Non-taxable	$ 35.00	$ 36.00	$ 1.00	2.86%	Council
Vacination fee	Per animal	Non-taxable	$ 45.00	$ 46.00	$ 1.00	2.22%	Council
Animal Adoption Fees							
Dogs - Single adoptions							
Senior dog (9 years +)	Per animal	Taxable	No fee	No fee			Council
Adult dog (over 12 months)	Per animal	Taxable	$ 500.00	$ 512.00	$ 12.00	2.40%	Council
Adult dog (6- 12 months)	Per animal	Taxable	$ 600.00	$ 615.00	$ 15.00	2.50%	Council
Puppy (2-6 months)	Per animal	Taxable	$ 650.00	$ 666.00	$ 16.00	2.46%	Council
Dogs - In Pairs adoptions							
Senior dog (9 years +)	Per pair	Taxable	No fee	No fee			Council
Adult dog (over 12 months)	Per pair	Taxable	$ 700.00	$ 717.00	$ 17.00	2.43%	Council
Adult dog (6- 12 months)	Per pair	Taxable	$ 850.00	$ 871.00	$ 21.00	2.47%	Council
Puppy (2-6 months)	Per pair	Taxable	$ 900.00	$ 922.00	$ 22.00	2.44%	Council
Cats - Single adoptions							
Senior cat (10 years +)	Per animal	Taxable	No fee	No fee			Council
Adult cat (over 6 months)	Per animal	Taxable	$ 145.00	$ 148.00	$ 3.00	2.07%	Council
Kitten (under 6 months)	Per animal	Taxable	$ 235.00	$ 240.00	$ 5.00	2.13%	Council
Cats - In Pairs adoptions							
Senior cat (10 years +)	Per pair	Taxable	No fee	No fee			Council
Adult cat (over 6 months)	Per pair	Taxable	$ 145.00	$ 148.00	$ 3.00	2.07%	Council
Kitten (under 6 months)	Per pair	Taxable	$ 235.00	$ 240.00	$ 5.00	2.13%	Council
Small animals							
Rabbit	Per animal/pair	Taxable	No fee	$ 46.00			Council
Guinea pig	Per animal/pair	Taxable	No fee	$ 46.00			Council
Ferret	Per animal/pair	Taxable	No fee	$ 46.00			Council
Rat	Per animal/pair	Taxable	No fee	No fee			Council
Poultry							
Chicken	Per animal/pair	Taxable	No fee	No fee			Council
Duck	Per animal/pair	Taxable	No fee	No fee			Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Local Laws							
Surrender Fees							
Dog surrender fee	Per animal	Taxable	$ 55.00	$ 56.00	$ 1.00	1.82%	Council
Cat surrender fee	Per animal	Taxable	$ 45.00	$ 46.00	$ 1.00	2.22%	Council
Kitten litter surrender fee (2+ kittens)	Per litter	Taxable		$ 85.00			Council
Flagstaff Hill							
Admission Fees							
Adults	Per admission	Taxable	$ 20.20	$ 20.50	$ 0.30	1.49%	Council
Concession	Per admission	Taxable	$ 15.90	$ 16.50	$ 0.60	3.77%	Council
Child	Per admission	Taxable	$ 9.50	$ 10.00	$ 0.50	5.26%	Council
Family	Per admission	Taxable	$ 52.50	$ 54.00	$ 1.50	2.86%	Council
Member School Education visits	Per admission	Taxable	$ 4.80	$ 5.00	$ 0.20	4.17%	Council
Additional Education Sessions	Per admission	Taxable	$ 4.20	$ 4.50	$ 0.30	7.14%	Council
Sound & Light Show Admissions							
Adults	Per admission	Taxable	$ 32.80	$ 33.50	$ 0.70	2.13%	Council
Concession	Per admission	Taxable	$ 29.70	$ 30.50	$ 0.80	2.69%	Council
Child	Per admission	Taxable	$ 18.00	$ 18.50	$ 0.50	2.78%	Council
Family (2A + 2C)	Per admission	Taxable	$ 83.80	$ 86.00	$ 2.20	2.63%	Council
Additional Child	Per admission	Taxable	$ 12.70	$ 13.00	$ 0.30	2.36%	Council
Day and Night Package (30% off your Day Entry when you purchase Night Show)							
Adults	Per admission	Taxable	$ 46.80	$ 48.00	$ 1.20	2.56%	Council
Concession	Per admission	Taxable	$ 40.80	$ 42.00	$ 1.20	2.94%	Council
Child	Per admission	Taxable	$ 24.80	$ 25.50	$ 0.70	2.82%	Council
Family (2A + 2C)	Per admission	Taxable	$ 119.70	$ 123.00	$ 3.30	2.76%	Council
Flagstaff Hill Memberships							
Individual	Per membership	Taxable	$ 44.60	$ 45.50	$ 0.90	2.02%	Council
Grandparents (2A + Children)	Per membership	Taxable	$ 79.50	$ 81.50	$ 2.00	2.52%	Council
Family (2A + Children)	Per membership	Taxable	$ 100.80	$ 103.50	$ 2.70	2.68%	Council
Full Family (2G + 2A + Children)	Per membership	Taxable	$ 127.30	$ 130.50	$ 3.20	2.51%	Council
School Memberships							
Enrolment of 0-50 students	Per membership	Taxable	$ 63.70	$ 65.50	$ 1.80	2.83%	Council
Enrolment of 51-100 students	Per membership	Taxable	$ 79.50	$ 81.50	$ 2.00	2.52%	Council
Enrolment of 101-250 students	Per membership	Taxable	$ 100.80	$ 103.50	$ 2.70	2.68%	Council
Enrolment of 251-500 students	Per membership	Taxable	$ 138.00	$ 141.50	$ 3.50	2.54%	Council
Enrolment of 500 students or more	Per membership	Taxable	$ 164.40	$ 168.50	$ 4.10	2.49%	Council
Weddings and Functions							
Flagstaff – Ceremony Only	Per ceremony	Taxable	$ 954.80	$ 980.00	$ 25.20	2.64%	Council
Flagstaff – Marquee	Per marquee	Taxable	$ 2,652.20	$ 2,715.00	$ 62.80	2.37%	Council
Mission to Seaman's Church	Per event	Taxable	$ 689.60	$ 705.00	$ 15.40	2.23%	Council
The Wharf in front of the Steam Packet Inn	Per event	Taxable	$ 689.60	$ 705.00	$ 15.40	2.23%	Council
The Village Green	Per event	Taxable	$ 689.60	$ 705.00	$ 15.40	2.23%	Council
The Sailmaker's Loft	Per event	Taxable	$ 1,007.90	$ 1,035.00	$ 27.10	2.69%	Council
Wharf Theatre	Per event	Taxable	$ 1,167.00	$ 1,200.00	$ 33.00	2.83%	Council
Hire of the Steam Packet Inn Venue Only	Per event	Taxable	$ 530.40	$ 545.00	$ 14.60	2.75%	Council
Hire of the Steam Packet Inn (Hourly Rate)	Per hour	Taxable	$ 159.20	$ 165.00	$ 5.80	3.64%	Council
Wedding Photo's in the Village (Hourly Rate)	Per hour	Taxable	$ 159.20	$ 165.00	$ 5.80	3.64%	Council
Visitor Services							
City Highlights 1 Hour Tour	Per tour	Taxable	$ 100.80	$ 103.50	$ 2.70	2.68%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
'Meet a Maremma' tours							
User Fees & Charges							
TOUR FEES (INDIVIDUALS)							
Adults	Per admission	Taxable	$ 22.00	$ 22.60	0.60	2.73%	Council
Concession	Per admission	Taxable	$ 16.00	$ 16.40	0.40	2.50%	Council
Child (5-12 years)	Per admission	Taxable	$ 8.20	$ 8.40	0.20	2.44%	Council
Family (2 Adult, 2 Child)	Per admission	Taxable	$ 48.00	$ 49.20	1.20	2.50%	Council
Student	Per admission	Taxable	$ 16.00	$ 16.40	0.40	2.50%	Council
Under 5 (free of charge)	Per admission	Taxable		$ -	0.00		Council
SCHOOL GROUPS (Kindergarten to Year 12):							
Minimum cost - Up to 30 students	per group	taxable		$ 250.00	$ 250.00		
31-60 students	per group	taxable		$ 350.00	$ 350.00		
61-90 students	per group	taxable		$ 450.00	$ 450.00		
ADULT GROUPS:							
Minimum cost - Up to 20 participants	per group	taxable		$ 350.00	$ 350.00		
21-50 participants	per group	taxable		$ 450.00	$ 450.00		
CONCESSION GROUPS:							
Minimum cost - Up to 20 participants	per group	taxable		$ 250.00	$ 250.00		
21-50 participants	per group	taxable		$ 350.00	$ 350.00		
PAYMENT PROCESS:							
All group bookings will require the completion of Name and Address Register Form for Warrnambool City Council for invoicing. This form will be provided in your booking confirmation email.							
IMPORTANT INFORMATION:							
The maximum number of participants is 30 for the Penguin Protectors Warrnambool Experience at Stingray Bay. Groups of up to 60 will be accommodated for by running two back-to-back sessions.							
For in-house presentations, the limit of 30 participants per session does not apply. If your group is larger than 60, please let us know in your enquiry email; we will do our best to accommodate your needs. Travel is included for locations within the Warrnambool 3280 postcode. Fees apply for locations outside of this area, up to 20km from the Warrnambool Town Centre. Please contact us for more information. Please note in-house presentations do not include transport of a Maremma to your location for group photos with the dog.							

PAYMENT PROCESS:

All group bookings will require the completion of Name and Address Register Form for Warrnambool City Council for invoicing. This form will be provided in your booking confirmation email.

IMPORTANT INFORMATION:

The maximum number of participants is 30 for the Penguin Protectors Warrnambool Experience at Stingray Bay. Groups of up to 60 will be accommodated for by running two back-to-back sessions.

For in-house presentations, the limit of 30 participants per session does not apply. If your group is larger than 60, please let us know in your enquiry email; we will do our best to accommodate your needs. Travel is included for locations within the Warrnambool 3280 postcode. Fees apply for locations outside of this area, up to 20km from the Warrnambool Town Centre. Please contact us for more information. Please note in-house presentations do not include transport of a Maremma to your location for group photos with the dog.

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Holiday parks							
Surfside & Shipwreck Holiday Parks							
Sites Powered : Peak Season - Daily powered	Per site	Taxable	$ 80.00	$ 84.00	$ 4.00	5.00%	Council
Sites Powered : Peak Season - Night two person	Per site	Taxable	$ 80.00	$ 84.00	$ 4.00	5.00%	Council
Sites Powered : Peak Season - Night single	Per site	Taxable	$ 68.00	$ 72.00	$ 4.00	5.88%	Council
Sites Powered: High Season - Daily powered	Per site	Taxable	$ 66.00	$ 66.00	$ -	0.00%	Council
Sites Powered: High Season - Night two person	Per site	Taxable	$ 55.00	$ 55.00	$ -	0.00%	Council
Sites Powered: High Season - Night single	Per site	Taxable	$ 45.00	$ 45.00	$ -	0.00%	Council
Sites Powered: Low Season - Daily powered	Per site	Taxable	$ 59.00	$ 59.00	$ -	0.00%	Council
Sites Powered: Low Season - Night two person	Per site	Taxable	$ 47.00	$ 47.00	$ -	0.00%	Council
Sites Powered: Low Season - Night single	Per site	Taxable	$ 40.00	$ 40.00	$ -	0.00%	Council
Second Car Fee	Per site	Taxable	$ 20.00	$ 20.00	$ -	0.00%	Council
Boat and tow vehicle	Per site	Taxable	$ 40.00	$ 40.00	$ -	0.00%	Council
Surfside & Shipwreck Holiday Parks							
Sites Unpowered : Peak Season - Daily family unpowered	Per site	Taxable	$ 68.00	$ 72.00	$ 4.00	5.88%	Council
Sites Unpowered : Peak Season - Night two person	Per site	Taxable	$ 68.00	$ 72.00	$ 4.00	5.88%	Council
Sites Unpowered : Peak Season - Night single	Per site	Taxable	$ 56.00	$ 60.00	$ 4.00	7.14%	Council
Sites Unpowered: High Season - Daily family	Per site	Taxable	$ 54.00	$ 54.00	$ -	0.00%	Council
Sites Unpowered: High Season - Night two person	Per site	Taxable	$ 46.00	$ 46.00	$ -	0.00%	Council
Sites Unpowered: High Season - Night single	Per site	Taxable	$ 40.00	$ 40.00	$ -	0.00%	Council
Sites Unpowered: Low Season - Night family	Per site	Taxable	$ 47.00	$ 47.00	$ -	0.00%	Council
Sites Unpowered: Low Season - Night two person	Per site	Taxable	$ 41.00	$ 41.00	$ -	0.00%	Council
Sites Unpowered: Low Season - Night single	Per site	Taxable	$ 35.00	$ 35.00	$ -	0.00%	Council
Surfside Cabins							
Beach Chalet: Peak Season - Daily	Per chalet	Taxable	$ 305.00	$ 315.00	$ 10.00	3.28%	Council
Beach Chalet: Peak Season - Weekly	Per chalet	Taxable	$ 2,135.00	$ 2,205.00	$ 70.00	3.28%	Council
Beach Chalet: High Season - Daily	Per chalet	Taxable	$ 245.00	$ 250.00	$ 5.00	2.04%	Council
Beach Chalet: High Season - Weekly	Per chalet	Taxable	$ 1,715.00	$ 1,750.00	$ 35.00	2.04%	Council
Beach Chalet: Low Season - Daily	Per chalet	Taxable	$ 220.00	$ 225.00	$ 5.00	2.27%	Council
Beach Chalet: Low Season - Weekly	Per chalet	Taxable	$ 1,540.00	$ 1,575.00	$ 35.00	2.27%	Council
Cedar Cabins: Peak Season - Daily	Per cabin	Taxable	$ 230.00	$ 240.00	$ 10.00	4.35%	Council
Cedar Cabins: Peak Season - Weekly	Per cabin	Taxable	$ 1,614.40	$ 1,680.00	$ 65.60	4.06%	Council
Cedar Cabins: High Season - Daily	Per cabin	Taxable	$ 190.00	$ 195.00	$ 5.00	2.63%	Council
Cedar Cabins: High Season - Weekly	Per cabin	Taxable	$ 1,330.00	$ 1,365.00	$ 35.00	2.63%	Council
Cedar Cabins: Low Season - Daily	Per cabin	Taxable	$ 170.00	$ 175.00	$ 5.00	2.94%	Council
Cedar Cabins: Low Season - Weekly	Per cabin	Taxable	$ 1,190.00	$ 1,225.00	$ 35.00	2.94%	Council
Mariner cottages: Peak Season - Daily	Per cottage	Taxable	$ 220.00	$ 230.00	$ 10.00	4.55%	Council
Mariner cottages: Peak Season - Weekly	Per cottage	Taxable	$ 1,540.00	$ 1,610.00	$ 70.00	4.55%	Council
Mariner cottages: High Season - Daily	Per cottage	Taxable	$ 175.00	$ 180.00	$ 5.00	2.86%	Council
Mariner cottages: High Season - Weekly	Per cottage	Taxable	$ 1,225.00	$ 1,260.00	$ 35.00	2.86%	Council
Mariner cottages: Low Season - Daily	Per cottage	Taxable	$ 155.00	$ 160.00	$ 5.00	3.23%	Council
Mariner cottages: Low Season - Weekly	Per cottage	Taxable	$ 1,085.00	$ 1,120.00	$ 35.00	3.23%	Council
Lighthouse Lodge							
Exclusive Use Rate (1-4 guests) – Normal	Per night	Taxable	$ 390.00	$ 400.00	$ 10.00	2.56%	Council
Exclusive Use Rate (1-4 guests) - Peak	Per night	Taxable	$ 590.00	$ 600.00	$ 10.00	1.69%	Council
Exclusive Use Rate (5-6 guests) – Normal	Per night	Taxable	$ 390.00	$ 400.00	$ 10.00	2.56%	Council
Exclusive Use Rate (5-6 guests) - Peak	Per night	Taxable	$ 590.00	$ 600.00	$ 10.00	1.69%	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

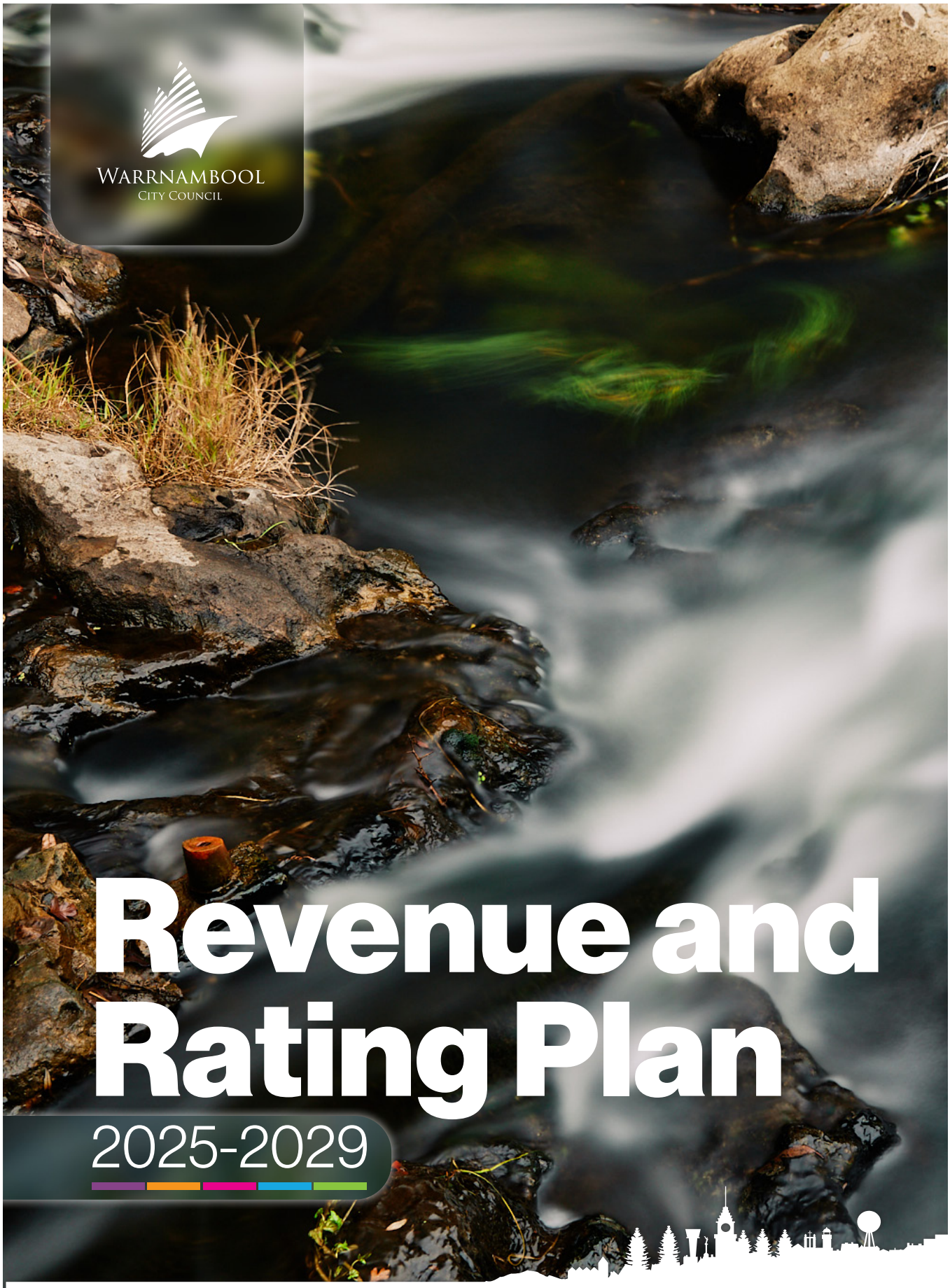
Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Waste Management							
User Fees & Charges							
FOGO Compostable Liners (roll of 150)	Per roll	Non-taxable	$ 12.70	$ 13.00	$ 0.30	2.36%	Council
Bin springs	Per springs	Non-taxable	$ 10.70	$ 11.00	$ 0.30	2.80%	Council
Planning							
Statutory Planning Fees							
All fees are set by the State Government of Victoria in accordance with the Planning and Environment (Fees) Regulation 2016 and the Subdivision (Fees) Regulation 2016, and are subject to change. Statutory planning fees are GST Free unless specified.							
Non-statutory Planning Fees							
Request to amend permit or endorsed plans under the provisions of Secondary Consent within condition of permit	Per permit	Taxable	$ 229.40	$ 235.10	$ 5.70	2.48%	Council
Extension of time for Planning Permits:							
- First extension	Per application	Taxable	$ 218.50	$ 224.00	$ 5.50	2.52%	Council
- Second extension	Per application	Taxable	$ 328.90	$ 337.10	$ 8.20	2.49%	Council
- Additional extensions	Per application	Taxable	$ 446.00	$ 457.20	$ 11.20	2.51%	Council
Approval of Development Plans to the satisfaction of the Responsible Authority	Per application	Taxable	$ 774.80	$ 794.20	$ 19.40	2.50%	Council
Approval of amendments to Development Plans to the satisfaction of the Responsible Authority	Per application	Taxable	$ 774.80	$ 794.20	$ 19.40	2.50%	Council
Approval of 173 Agreements - plus cost of legal advice if required	Per application	Taxable	$ 191.10	$ 195.90	$ 4.80	2.51%	Council
Review of compliance of Section 173 Agreements - (plus cost of legal advice if required)	Per application	Taxable	$ 191.10	$ 195.90	$ 4.80	2.51%	Council
Notification of Planning Applications or Planning Scheme Amendments:							
- Up to 10 letters/notices	Per letter/notice up to 10	Taxable	$ 127.40	$ 130.60	$ 3.20	2.51%	Council
- Additional letters/notices	Per letter/notice	Taxable	$ 6.20	$ 6.40	$ 0.20	3.23%	Council
Plans to Comply Condition (2nd and subsequent changes)	Per application	Taxable	$ 145.00	$ 148.60	$ 3.60	2.48%	Council
Property Inquiry relating to planning history	Per inquiry	Taxable	$ 189.20	$ 193.90	$ 4.70	2.48%	Council
Planning written advice	Per inquiry	Taxable	$ 171.50	$ 200.00	$ 28.50	16.62%	Council
Building							
Statutory Building Fees							
All fees are set by the State Government of Victoria in accordance with the Building Regulations 2018 and are subject to change. Statutory building fees are GST Free unless specified.							
Non Statutory Building Fees							
Note: Additional statutory State Government charges and conditions are relevant to all Building Applications.							
New dwellings including single detached houses or attached multi unit developments	Up to $300,000	Taxable	$ 2,684.10	$ 2,751.20	$ 67.10	2.50%	Council
	$300,001-$500,000	Taxable	$ 4,492.80	$ 4,605.10	$ 112.30	2.50%	Council
	$500,001+	Taxable		Price on application			Council
Extensions and/or alterations (including demolitions) to dwellings	Up to $10,000	Taxable	$ 758.80	$ 777.80	$ 19.00	2.50%	Council
	$10,001-$50,000	Taxable	$ 1,288.80	$ 1,321.00	$ 32.20	2.50%	Council
	$50,001-$150,000	Taxable	$ 2,406.10	$ 2,466.30	$ 60.20	2.50%	Council
	$150,001+	Taxable		Price on application			Council
Minor works - Garages/sheds, carports, swimming pools, fences, retaining walls etc.	Up to $10,000	Taxable	$ 565.70		$ (565.70)	-100.00%	Council
	$10,001-$20,000	Taxable	$ 758.80	$ 777.80	$ 19.00	2.50%	Council
	$20,001-$50,000	Taxable	$ 1,005.00	$ 1,030.10	$ 25.10	2.50%	Council
	$50,001-$100,000	Taxable	$ 1,414.10	$ 1,449.50	$ 35.40	2.50%	Council
	>$100,001+	Taxable		Price on application			Council
Swimming pools and Spas	Any Value	Taxable		Price on application		NEW	Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Building							
Non Statutory Building Fees (cont)							
Any additional inspection	Domestic	Taxable	$ 217.10	$ 222.50	$ 5.40	2.49%	Council
	Commercial	Taxable	$ 293.70	$ 301.00	$ 7.30	2.49%	Council
Amendment and/or extension of building permits;	Domestic	Taxable	$ 217.10	$ 222.50	$ 5.40	2.49%	Council
	Commercial	Taxable	$ 293.70	$ 301.00	$ 7.30	2.49%	Council
Amendment of approved plans	Domestic	Taxable	$ 217.10	$ 222.50	$ 5.40	2.49%	Council
	Commercial	Taxable	$ 293.70	$ 301.00	$ 7.30	2.49%	Council
Additional Building Fees							
Administration of Building Notice	Per notice	Taxable	$ 764.70	$ 783.80	$ 19.10	2.50%	Council
Administration of Building Order	Per order	Taxable	$ 509.70	$ 522.40	$ 12.70	2.49%	Council
Temporary Structure Siting Approval	Per siting	Taxable	$ 509.70	$ 522.40	$ 12.70	2.49%	Council
Occupancy Permit for Places of Public Entertainment (POPE)	Per permit	Taxable	$ 637.10	$ 653.00	$ 15.90	2.50%	Council
Provide copy of Building Permit or Occupancy Permit (with owners consent)	Per permit	Taxable	$ 89.90	$ 92.10	$ 2.20	2.45%	Council
Provide copy of Building Permit including plans – Domestic (with owners consent)	Per permit	Taxable	$ 156.60	$ 160.50	$ 3.90	2.49%	Council
Provide copy of Building Permit including plans – Commercial (with owners consent)	Per permit	Taxable	$ 358.20	$ 367.20	$ 9.00	2.51%	Council
Essential Safety Measure Assessment - minimum fee	Per assessment	Taxable	$ 700.90	$ 718.40	$ 17.50	2.50%	Council
Library							
Photocopying and printing							
B&W A4	per page	Taxable	$ 0.20	$ 0.20	$ -	0.00%	Council
B&W A3	per page	Taxable	$ 0.40	$ 0.40	$ -	0.00%	Council
Colour A4	per page	Taxable	$ 0.60	$ 0.75	$ 0.15	25.00%	Council
Colour A3	per page	Taxable	$ 1.20	$ 1.50	$ 0.30	25.00%	Council
Inter library loan - plus cost to Council from provider	per item	Taxable	P.O.A	P.O.A			Council
Debt recovery - plus cost of item	per account	Taxable	$ 15.50	$ 15.50	$ -	0.00%	Council
Merchandise	per item	Taxable	P.O.A	P.O.A			Council
Withdrawn item	per item	Taxable	P.O.A	P.O.A			Council
Replacement library card	per card	Taxable	$ 2.00	$ 2.00	$ -	0.00%	Council
Sales of Australian Standard (student only)			P.O.A	P.O.A			Council
Meeting room hire (commercial) Half day (4 hours)			$ 200.00	$ 200.00	$ -	0.00%	Council
Meeting room hire (commercial) Full day			$ 350.00	$ 350.00	$ -	0.00%	Council
Meeting room hire (NFP + Individual) Half day (four hours)			$ 150.00	$ 150.00	$ -	0.00%	Council
Meeting room hire (NFP + Individual) Full day			$ 262.50	$ 262.50	$ -	0.00%	Council
Meeting room hire (commercial) per hour			$ 60.00	$ 60.00	$ -	0.00%	Council
Meeting room hire (NFP + Individual) per hour			$ 45.00	$ 45.00	$ -	0.00%	Council
Library hire (Commercial or private) After hours			$ 500.00	$ 500.00	$ -	0.00%	Council
Library hire (NFP + Individual) After hours			$ 375.00	$ 375.00	$ -	100.00%	Council
Library hire (Commercial or private) after hours staffing per person/per hour			$ 50.00	$ 55.00	$ 5.00	10.00%	Council
Tech Lab Consumables	per item	Taxable	P.O.A	P.O.A			Council

Warrnambool City Council **Budget 2025/26** **Fees and Charges**

Fee/Charge Description	Unit	GST Status	2024-25 Fee Inc GST	2025-26 Fee Inc GST	Fee Increase / Decrease $	Annual % Change	Basis of Fee
Hall Hire							
Community not-for-profit	per hour (min 2 hrs)	Taxable	$ 15.00	$ 15.00	$ -	0.00%	Council
Community not-for-profit - full day	8 hours	Taxable	$ 60.00	$ 65.00	$ 5.00	8.33%	Council
Community not for profit if facility is used for fund raising or where admission is charged	8 hours	Taxable	$ 120.00	$ 120.00	$ -	0.00%	Council
Commercial	per hour (min 2 hrs)	Taxable	$ 45.00	$ 45.00	$ -	0.00%	Council
Commercial - full day	8 hours	Taxable	$ 250.00	$ 250.00	$ -	0.00%	Council
Bond - high risk	Per Booking	Non-Taxable	$ 1,000.00	$ 1,000.00	$ -	0.00%	Council
Bond - medium risk	Per Booking	Non-Taxable	$ 500.00	$ 500.00	$ -	0.00%	Council
Bond - low risk	Per Booking	Non-Taxable	$ 250.00	$ 250.00	$ -	0.00%	Council
Bond - key	Per Booking	Non-Taxable	$ 20.00	$ 40.00	$ 20.00	100.00%	Council



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1 Introduction

Council has a number of revenue streams that are used to fund the delivery of community services and infrastructure that is provided to the community.

The most significant of these revenue streams are:

- Rates (approximately 50% of total revenue),
- Fees, charges & fines (25%) and
- Grants (20%).

Other streams of revenue that are not specifically covered as part of this plan include (but is not limited to); Interest earned on Council investments, Contributions received from developers, Rental income and Asset Valuation adjustments.

These items are not included as part of this plan as they are either covered under other Council Plans and/or strategies, immaterial in nature, or not wholly within Council's control (such as asset valuation adjustments).

To ensure the Local Government Act 2020 rating objectives of stability and predictability are achieved, it is important that Warrnambool City Council has a Revenue and Rating Plan in place that is transparent to the community and reviewed annually as part of the budget process.
The important matters to be considered in relation to the Revenue and Rating Plan include:

- The legislative framework
- What rates and charges can be declared
- The rate base
- Uniform or Differential rates
- Cultural and Recreational Lands
- Impact of Council revaluations and supplementary valuations
- The municipal charge
- Service rates and charges (including the Waste Charge)
- Special rates
- Rebates and concessions
- Exempt Properties
- Collections
- Emergency Services and Volunteers Fund Levy

1.1 What is a Revenue and Rating Plan?

The *Local Government Act 2020* states that councils must adopt a Revenue and Rating Plan by 30 June in the year following a general election, covering a period of at least the next 4 financial years. Council adopted the first Revenue and Rating Plan under the *Act 2020* in 2021.

This Revenue and Rating Plan covers the period 1 July 2025 to 30 June 2029.
A Revenue and Rating Plan provides the framework by which council considers factors of importance in making decisions about how Council raises revenue, including the rating system settings that Council uses.

The rating system determines how Council will raise taxation revenue (rates) from properties within the municipality. The system itself does not influence the total amount to be raised, only the share of revenue contributed by each property. The rating system comprises the valuation base and actual rating instruments allowed under the *Local Government Act* to calculate property owners' liability for rates.

The *Local Government Act 2020* requires Councils to exercise sound financial management. In particular, the Local Government Act 2020 states that the principles of sound financial management are:

a) revenue, expenses, assets, liabilities, investments and financial transactions must be managed in accordance with a Council's financial policies and strategic plans;
b) financial risks must be monitored and managed prudently having regard to economic circumstances;
c) financial policies and strategic plans, including the Revenue and Rating Plan, must seek to provide stability;
d) accounts and records that explain the financial operations and financial position of the Council must be kept.

Through the integrated planning framework, Council ensures that all its activities and financial resources are aligned to meet the aspirations, needs and expectations of the Warrnambool community. Integrated planning documents include the Council Plan, Long Term Financial Plan, Asset Plan, and Council's annual budget document.

1.2 Objectives of the Council Plan

When considering the Revenue and Rating Plan, Council needs to meet the objectives set out in the Council Plan. The Warrnambool City Council Plan 2025-2029 is due for adoption in June 2025 and will be reviewed annually.

The following table lists the Strategic pillars as described in the Warrnambool Council Plan 2025-2029.

Strategic Pillar	Strategic Goal
City Futures	Activating a vibrant, liveable and safe city through enhancing outcomes for all.
City Wellbeing	Working to enable everyone at every stage of life to participate in welcoming and inclusive environments which foster learning connection health and wellbeing.
City Sustainability	Caring for our natural environment by promoting energy efficiency, best practice circular economy and embracing new technology.
City Infrastructure	Renewal and maintenance of Council's infrastructure while balancing the needs of our growing city through sound asset management.
City Leadership	Advocate for our community, operate efficiently, maintain sound governance, care for our team, and embrace a rapidly changing technological landscape.

2. Rates

2.1 Rating – the Legislative Framework

In constructing its rating system, Council must consider the legislative framework for rates. The relevant legislation guiding councils in terms of levying property owners are the following acts:

- *Local Government Act 1989*
- *Local Government Act 2020*
- *Valuation of Land Act 1960*
- *Cultural and Recreational Lands Act 1963*

A rating review was commissioned by the Victorian government in 2019. The government's response to the recommendations of the review was that there will be no fundamental changes to the way rates are levied in Victoria.

2.1.1 Objectives of the rating system

The legislation specifies several major objectives for the rating system:

- the equitable imposition of rates and charges
- a reasonable degree of stability in the level of the rates effort

The two objectives which the rating system must have the greatest regard to are the achievement of equity and efficiency. Other objectives to be considered in a rating system include:

- a contribution to the equitable and efficient carrying out of Council functions
- an application of principles of financial management, including simplicity and transparency.

It is good practice for Council to also consider cost-of living pressures facing residents and rate payers when setting rates, fees and charges.

2.1.2 Equitable distribution

In order to determine what constitutes an equitable imposition of rates and charges, Council must consider both Horizontal and Vertical equity.

Horizontal equity refers to justice or fairness in the treatment of like properties - in other words, that similar rates are paid by similar properties. There is a fundamental importance on which characteristics define similarity. The most widely used metric to consider similarity is property valuations.

Vertical equity refers to justice or fairness in the treatment of properties in different circumstances (e.g. different property types – residential/commercial/ vacant land). It implies a "relativity" dimension to the fairness of the tax burden.

The three main ways in which the distribution or rates can be varied are:

- the benefit (or user pays) principle – some groups have more access to, make more use of, and benefit from more, specific council services;
- the capacity to pay principle – some ratepayers have more ability to pay rates than do others

with similarly valued properties;

- the incentive or encouragement principle – some ratepayers may be doing more towards achieving council goals than others in areas such as environmental or heritage protection.

2.1.3 The Benefit Principle

A popular complaint levelled at councils is that "the rates I pay have no correlation with the services I consume or the benefits I receive". This argument is based on the benefit principle (the opposite of the wealth tax principle) that argues there should be a nexus between consumption/benefit and the rate effort.

Application of the benefit principle is difficult in practice because of the complexity and, in some cases, impossibility, of measuring the relative levels of access and consumption across the full range of council services. In some ways the arguing of the benefit principle with respect to council rates is like trying to do the same for the income tax that is used to fund a wide range of universally accessed services.

It is likely to be quite costly to regularly undertake in-depth analyses on service access, consumption patterns and costs in order to attempt to review the level of benefit, unless the service is widely used and measured, and the costs are understood. In any event many subjective assumptions will have to be introduced. Other pricing instruments such as user charges, special rates and charges and service rates and charges better lend themselves to dealing with the issue of benefit.

2.1.4 Capacity to Pay

Notwithstanding the practical limitations, council can make choices about the tax treatment of classes of real property in so much as they believe that a class of property will reflect the financial position of a household or business and its capacity to pay. However, the most vexed issue related to capacity to pay is assessing it across different classes of property.

While personal income tax is more reflective of the capacity to pay, it is not possible to expect a property tax system to deal practically with all aspects of capacity to pay based on individual households and businesses. It is also not practical or acceptable to shift, modify or manipulate the existing system to the benefit of one group of ratepayers at the expense of another unless such shift is widely accepted and for a proper purpose.

Council has the option of introducing a Council rebate to certain groups to reduce that property's rate effort. Presently pensioners within the municipality can access the State Government Rebate.

Consideration of capacity to pay does become relevant when determining any flat or fixed charge as these charges are regressive in nature.

2.1.5 Efficiency

Efficiency can be defined as the ratio of ends produced (output) to means used (inputs). In other words, it can be considered directly related to the cost of administering the rates system. Administration costs relating to a rates system include the issuing of assessments, collection of rates, including maintaining and improving collection systems, monitoring outcomes, educating and informing ratepayers, and enforcement and debt recovery. It also includes the maximization of additional rate income through supplementary valuations by ensuring the timeliness and accuracy of amended rate notices.

A simple rating system is more transparent, meaning that the purpose and principles behind the design of a rate are clearer - who is liable for a particular rate and how rate liability is calculated. However, it is also possible for a simple rate system to be costly if it is unpopular and results in increased appeals and higher collection costs.

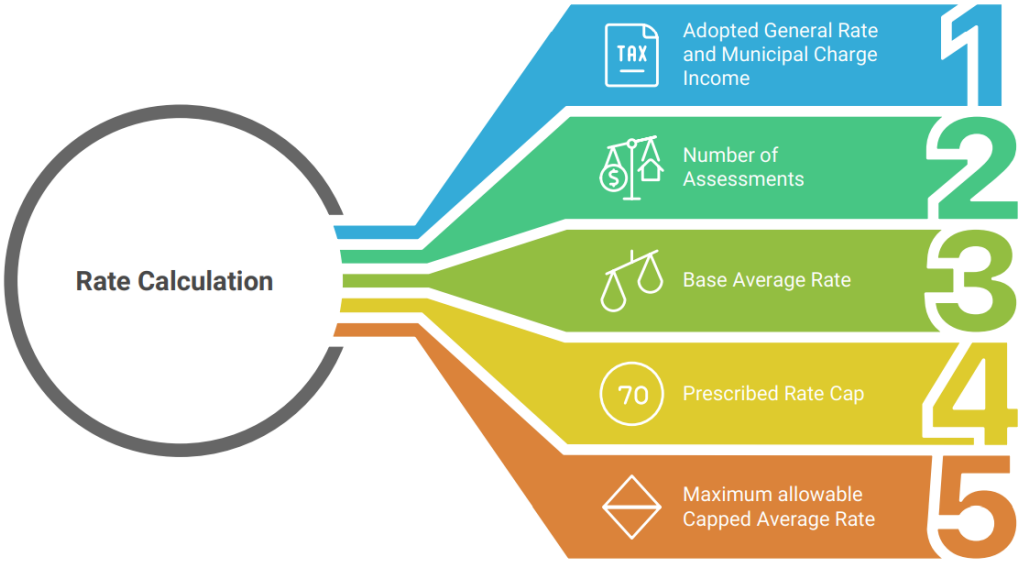
2.1.6 Anomalies with Property Taxation

Property taxes do not recognise the situation where ratepayers are “asset rich” and “income poor”. In these cases, ratepayers may have considerable wealth reflected in the property they own but have a low level of income. Examples include pensioners, businesses subject to cyclical downturn, and households with large families and property owners with little equity. In a commercial sense the argument has also been expressed in terms of the ability of property to generate a reasonable return.

2.1.7 Fair Go Rates System

The State Government’s Fair Go Rates System (FGRS) sets out the maximum amount councils may increase rates in any given year. The cap applies to general rates and the municipal charge and is calculated based on council’s average rates and charges.

Under the Fair Go Rate Cap, the Cap is calculated by a formula provided by the Essential Services Commission (ESC) and agreed to by the State Government is:



The level of rates and charges has been considered in this context, with reference to Council's other sources of income and the planned expenditure on services and works to be undertaken for the Warrnambool community.

Council’s Long Term Financial Plan has forecasted rate income increasing by the forecasted rate cap (per Victorian Department of Treasury inflation forecasts). Not increasing rates by the rate cap would introduce a structural deficit to Council’s financial position (as the rate cap is based on CPI), which could lead to a reduction in Council’s ability to deliver programs and services.

In situations where the rate cap is not enough for Council’s needs, Council may elect to apply to the Essential Services Commission for an exemption to the rate cap; this is known as a rate cap variation. Warrnambool City Council will assess its financial position on an annual basis to decide whether it needs to apply for a variation to the rate cap for any given year.

2.1.8 What Rates and Charges may a Council declare?

Section 155 of the *Local Government Act 1989* provides that Council may declare the following rates and charges on rateable land:

Rating option	Description	Warrnambool structure
General rate	A general rate is applied to all properties and can be set as either a uniform rate or several differential	Warrnambool applies the differential rates listed below.
Uniform rate	A uniform rate is a single rate in the dollar that is applied to the value of all properties in the municipality.	Warrnambool does not apply a uniform rate.
Differential Rates	Differential rates are different rates in the dollar that are applied to different classes of properties and are permitted if the Council uses Capital Improved Value as the rating valuation base. The *Local Government Act 1989* allows the use of differential rates if the Council considers that this will contribute to the equitable and efficient carrying out of its functions.	The following differential rates are levied: • An Other Land (residential) rate • A Commercial rate which is higher than the Other Land rate • An Industrial rate which is higher than the Other Land rate • Vacant Land rate which is higher than the Other Land rate • Recreational Land rates which are different to the Other Land rate • Farm Land rate which is lower than Other Land rate
Municipal Charge	A municipal charge to cover some of the administrative costs of the Council. This is a flat-rate charge applied to all properties and could be considered a fixed minimum rate paid by all properties.	Warrnambool levies a municipal charge.
Service charges	Service rates can be levied for waste services as outlined in the *Local Government Act 1989*.	Warrnambool levies a waste management charge to recover the costs of waste collection, processing and disposal, and associated waste costs, while aiming to reduce waste being generated and going to landfill.
Special Rates and charges	A special rate or charge may be declared for purposes of: • Defraying any expenses, or Repaying with interest any advance made or debt incurred, or loan raised by Council.	Warrnambool levies special rates and charges for street and drainage projects that deliver benefits to specified local areas from time to time

Rating option	Description	Warrnambool structure
Cultural and Recreational Lands	In accordance with the *Cultural and Recreational Lands Act 1963* Council may levy an amount in lieu of rates on properties that meet the definition of cultural and recreational lands.	Council levies two separate Cultural and Recreational Land rates as agreed between Council and the occupier of the land per the *Cultural and Recreational Lands Act 1963*.
Electricity Generation Lands	An amount payable in lieu of rates may be levied under the *Electricity Industry Act 2000*. This amount is agreed upon between the generator and the council	There are no lands where electricity is generated in a manner and volume where this provision currently applies in Warrnambool.
Cladding rectification charge	A Council may enter into a cladding rectification agreement in respect of rateable land with an existing building on it, to fund works that rectify fire- prone cladding. The costs are then recovered through a charge on the property.	Council has not received any requests for a cladding rectification agreement.
Environmental Upgrade Agreement	A Council may enter into an environmental upgrade agreement in respect of rateable land with an existing building on it to fund works that improve the energy, water or environmental efficiency or sustainability of the building on that rateable land, including climate change adaptation works on the building.	Council has a number of Environmental Upgrade Agreements with commercial enterprises within the municipatlity.

2.2 Determining which valuation base to use

The purpose of this section is to outline the different methods that Council can utilise to value land and the issues that Council must consider in making its decision on the valuation method.

2.2.1 Introduction

Three methods of valuing land are allowed under the *Local Government Act 1989*:

- Site Value (SV) – Value of land only
- Net Annual Value (NAV) – rental valuation based on Capital improvement Value (CIV). For residential and farm properties, NAV is calculated at 5 per cent of the CIV. For commercial properties NAV is calculated as the greater of the estimated annual rental value or 5 per cent of the CIV.
- Capital Improved Value (CIV) – value of land and improvements upon the land Warrnambool City Council utilises Capital Improved Value for rating purposes.

2.2.2 Site Value (SV)

This method places a value on the land only and does not consider any value of any buildings constructed on the land. This method of valuation excludes buildings or improvements made to properties, and as a result, is not considered the most equitable distribution of the rate effort.

With valuations based simply on the valuation of the land and with only very limited ability to apply differential rates, the implementation of site value in Warrnambool would cause a significant shift in rate effort from the business sector into the residential sector. In addition, there would be further rating movements away from modern townhouse style developments on relatively small land parcels to older established homes on the more typical quarter acre residential block.

There is no Victorian Council that currently uses this valuation base.

2.2.3 Net Annual Value (NAV)

Net Annual Value is a measure that seeks to represent the annual rental value of a property. However, in practice, NAV is closely linked to capital improved value. For residential properties Valuers derive the NAV directly as 5 per cent of the CIV.

In contrast to the treatment of residential, NAV for business properties is assessed with regard to the actual market rental. This differing treatment of business versus residential has led to some suggestions that all properties should be valued on a rental basis. There is currently no legislation that supports this suggestion.

Where a Council utilises NAV, it may only apply three differential rates. For example, City of Melbourne utilise NAV, applying a differential rate for residential and non-residential land only.

2.2.4 Capital Improved Value (CIV)

Capital Improved Value is the most commonly used valuation methodology by Victorian Local Government, with most Councils applying this valuation method. Based on the value of both land and all improvements on the land, it is relatively easy to understand by ratepayers as it equates to the market value of the property.

For CIV, business properties are valued primarily by the capitalisation method of valuation. This method of valuation is the industry standard for assessing the value of business properties and has as its base sale price and market rent of the property. For this reason, rental details are sought by Valuers every 2 years. When analysed on a per square metre basis, rents provide a means of establishing the rental market in a location.

The advantages of using CIV include:

- CIV includes all improvements and hence is often supported on the basis that it more closely reflects ‘capacity to pay’. The CIV rating method takes into account the full development value of the property, and hence better meets the equity criteria than site value or NAV.
- The concept of the market value of property is far more easily understood with CIV rather than NAV or Site Value.
- The use of CIV allows Council to apply differential rates which greatly adds to Council’s ability to equitably distribute the rating effort based on ability to afford Council rates.

The major disadvantage with CIV, and indeed all the other rating methods, is that rates are based on the property value which may not necessarily reflect the income level of the property owner as with pensioners and low-income earners. This is a hallmark of the “wealth based” property taxation system that exists in Victoria.

2.3 Determining the Rating System – Uniform or differential

The purpose of this section is to outline the two rating systems (uniform or differential) that Council can utilise to apply rates and the issues that Council must consider in making its decision on the rating system.

2.3.1 Uniform rate

If a Council declares that general rates will be raised by application of a uniform rate, the Council must specify a percentage as a uniform rate. A uniform rate will apply to the value of every rateable property within the municipality.

Rates will be determined by multiplying the percentage (the rate in the dollar) by the value of the land. Warrnambool City Council believes that a uniform rate should not be applied to all properties because it is not equitable. Such a rate does not reflect the use of Council services and infrastructure, nor does it create incentive for best use of property in the municipality.

Warrnambool has adopted differential rating as it considers that differential rating contributes to the equitable distribution of the rating effort. Differential rating allows classes of properties to be assessed at different levels from the general rate set for the municipality. Differential rating allows Council to shift part of the rate effort from some groups of ratepayers to others, through different 'rates in the dollar' for each class of property. Council is entitled to apply many differential rates provided it used CIV as its base for rating.

Section 161 of the *Local Government Act 1989* outlines the regulations relating to differential rates. This section is outlined below:

1) A Council must raise any general rates by application of a differential rate, if it uses the CIV system of valuing rates,

    a) Council considers that the differential rate will contribute to the equitable and efficient carrying out of its functions.

2) If a Council declares a differential rate for any land, the Council must:

    a) Specify the objectives of the differential rate, which must be consistent with the equitable and efficient carrying out of the Councils functions and must include the following:

        i. A definition of the types of classes of land which are subject to the rate and a statement of the reasons for the use of that rate.

        ii. An identification of the type or classes of land which are subject to the rate in respect of the uses, geographical location (other than location based on whether the land is within a specific ward in Councils district) and planning scheme zoning of the land, and

        iii. If there has been a change in the valuation system, any provision for relief from a rate to ease the transition for that land, and

    b) Specify the characteristics of the land which are the criteria for declaring the differential rate.

The maximum differential allowed is no more than 4 times the lowest differential rate. For Warrnambool, the lowest rate is the Residential Improved rate.

Council has the option of increasing each respective differential rate in order to influence the behaviour of landowners.

There is no theoretical limit on the number or type of differentials which can be levied.

2.3.2 Differential Rates

Advantages of a differential rating system

The perceived advantages of utilising a differential rating system are:

- There is a greater flexibility to distribute the rate effort between all classes of property and therefore link rates with the ability to pay and reflecting the tax deductibility of rates for businesses;
- Differential rates allow Council to better reflect the investment required by Council to establish infrastructure to meet the needs to the commercial and industrial sector; and
- Enables Council to encourage developments through its' rating approach e.g. encourage building on vacant land.

Disadvantages of a differential rating system

The perceived disadvantages of utilising a differential rating system are:

- The justification of the differential rate can at times be difficult for the various rating groups to understand, giving rise to queries, objections and complaints.
- Differential rating involves a degree of administrative complexity, as properties can change from one classification to another (e.g. vacant land to residential) requiring Council to process supplementary valuations.

Objectives of the rate and characteristics

Council considers that each differential rate will contribute to the equitable and efficient carrying out of Council functions.

Details of the objectives of each differential rate are set out below.

Other Land Rate

Definition:

Other Land is any land, which is:

a) Occupied for the principal purpose of human habitation, including dwellings, flats and units,
b) "residential land use" as described in Section 2 of the Valuation of Land Act, 1960, or
c) "urban farm land" as described in Section 2 of the Valuation of Land Act, 1960.

Objective:

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:

a) Construction and maintenance of infrastructure assets,
b) Development and provision of health and community services, and
c) Provision of general support services.

Types and Classes

Rateable land having the relevant characteristics described below:

a) used primarily for residential purposes; or
b) any land that is not defined as Farm Land, Vacant Land, or Commercial/Industrial Land (and being

rated under the differential rate for those classes of land).

Use of Differential Rate:
The differential rate will be used to fund some of those items of expenditure and Capital Works described in the Budget adopted by Council. The level of the differential rate is the level which Council considers is necessary to achieve the objectives specified above, and will be adopted in line with the annual council budget.

Farm Land Rate

Definition:

Any land which is "Farm Land" within the meaning of Section 2(1) of the *Valuation of Land Act 1960*:

a) Farm Land means any rateable land that is 2 or more hectares in area;
b) used primarily for primary producing purposes from its activities on the land; used primarily for grazing (including agistment), dairying, pig-farming, poultry farming, fish farming, tree farming, bee keeping, viticulture, horticulture, fruit growing or the growing of crops of any kind or for any combination of those activities; and
c) That is used by a business
    - That has a significant and substantial commercial purpose of character;
    - That seeks to make a profit on a continuous or repetitive basis from its activities on the land; and
    - That is making a profit from its activities on the land, or that has a reasonable prospect of making a profit from its activities on the land if it continues to operate in the way that it is operating.

Objective

To ensure that Council has adequate funding to undertake its strategic, statutory, service provision and community services obligations and to ensure that the differential rate in the dollar declared for defined Farm Rate land properties is fair and equitable, having regard to the cost and the level of benefits derived from provision of Council services with considerations to maintain agriculture as a major industry in the municipal district, to facilitate the longevity of the farm sector and achieve a balance between providing for municipal growth and supporting the agricultural economic base.

Types and Classes

Farm Land having the relevant characteristics described above, and used primarily for primary production purposes.

Use of Differential Rate:
The differential rate will be used to fund items of expenditure described in the Budget adopted by Council. The level of the differential rate is the level which Council considers is necessary to achieve the objectives specified above.

Use of Differential Rate:
Lower than the Other Land Rate and set as part of the annual budget process.

Commercial Land Rate

Definition:

Commercial Land is any land, which is:

a) Occupied for the principal purpose of carrying out the manufacture or production of, or trade in, goods or services; or
b) Unoccupied but zoned commercial under the Warrnambool City Planning Scheme.

Objective:

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:

a) Construction and maintenance of infrastructure assets,
b) Development and provision of health and community services,
c) Economic development and planning services, having direct benefit to the use of Commercial Land, or
d) Provision of general support services.

To ensure that Council has adequate funding to undertake its strategic, statutory, service provision and community services obligations and to ensure that the differential rate in the dollar declared for defined Commercial properties is fair and equitable, having regard to the cost and the level of benefits derived from provision of Council services.

The commercial businesses of Warrnambool City Council benefit from ongoing significant investment by Council in services and infrastructure. Council also notes the tax deductibility of Council rates for commercial properties which is not available to the residential sector, and also the income generating capability of commercial properties.

The Commercial differential rate is applied to promote the economic development objectives for the Warrnambool City Council as outlined in the Council Plan. These objectives include an ongoing significant investment to create a thriving economy and includes the maintenance and improvement of tourism and community infrastructure, development and provision of health and community services and the general provision of economic development support.

Types and Classes

The types and classes of rateable rand within this differential are those having the relevant characteristics of rateable property used for business and administrative purposes, including, but not limited to, properties used for:

a) The sale or hire of goods by retail or trade sales, e.g. shops, auction rooms, milk bars, newsagents;
b) The manufacture of goods where the goods are sold on the property;
c) The provision of entertainment, e.g. theatres, cinemas, amusement parlours;
d) Media establishments, e.g. radio stations, newspaper offices, television stations;
e) The provision of accommodation other than residential, e.g. motels, caravan parks, camping grounds, camps, accommodation houses, hostels, boarding houses;
f) The provision of hospitality, e.g. hotels, bottle shops, restaurants, cafes, takeaway food establishments, tearooms;
g) Tourist and leisure industry, e.g. flora and fauna parks, gymnasiums, boatsheds, indoor sports stadiums, gaming establishments;
h) The provision of education, e.g. schools, museums, art galleries;
i) Showrooms, e.g. display of goods; (j) Religious purposes;

Use of Differential Rate:

The differential rate will be used to fund items of expenditure described in the Budget adopted by

Council. The level of the differential rate is the level which Council considers is necessary to achieve the objectives specified above.

Use of Differential Rate:
Higher than the Other Land Rate and set as part of the annual budget process.

Industrial Land Rate

Definition:
Industrial Land is any land, which is:

a) Occupied for the principal purpose of carrying out the manufacture or production of, or trade in, goods or services; or
b) Unoccupied but zoned Industrial under the Warrnambool City Planning Scheme.

Objective:

The objective of this differential rate is to ensure that all rateable land makes an equitable financial contribution to the cost of carrying out the functions of Council, including (but not limited to) the:

a) Construction and maintenance of infrastructure assets,
b) Development and provision of health and community services,
c) Economic development and planning services, having direct benefit to the use of Industrial Land, or
d) Provision of general support services.

The Industrial businesses of Warrnambool benefit from ongoing significant investment by Council in services and infrastructure. Council also notes the tax deductibility of Council rates for these types of properties which is not available to the residential sector, and also the income generating capability of industrial based properties.

The Industrial differential rate is applied to promote the economic development objectives for the Warrnambool City Council as outlined in the Council Plan. These objectives include an ongoing significant investment to create a thriving economy and includes the maintenance and improvement of tourism infrastructure. Construction and maintenance of public infrastructure and the general provision of support services and promotion of industry in the municipality.

Types and Classes

The types and classes of rateable rand within this differential are those having the relevant characteristics of rateable property used for industrial purposes, including, but not limited to, properties used for manufacturing or production.

Use of Differential Rate:
The differential rate will be used to fund items of expenditure described in the Budget adopted by Council. The level of the differential rate is the level which Council considers is necessary to achieve the objectives specified above.

Use of Differential Rate:
Higher than the Other Land Rate and set as part of the annual budget process.

Vacant Land Rate

Definition:
Vacant Land is any land on which no building designed or adapted for human occupation is erected.

Objective:

The objective of the Vacant Land Differential is to ensure that Council has adequate funding to undertake its strategic, statutory, service provision and community services obligations and to ensure that the differential rate in the dollar declared for defined Vacant Land properties is fair and equitable, having regard to the cost and the level of benefits derived from provision of Council services.

Types and Classes
Vacant Land having the relevant characteristics described below:

a) Industrial/Commercial or Residential use land, or
b) Undeveloped land.

Use of Differential Rate:
The differential rate will be used to fund items of expenditure described in the Budget adopted by Council. The level of the differential rate is the level which Council considers is necessary to achieve the objectives specified above.

Use of Differential Rate:
Higher than the Other Land Rate and set as part of the annual budget process.

2.4 Cultural and Recreational Lands

The *Cultural and Recreation Lands Act 1963* is relatively small and the main provisions of the Act are;
The definition of "recreational land" must be satisfied ie; such lands must be vested in or occupied by a not-for-profit body "which exists for the purpose of providing of promoting cultural or sporting recreational or similar facilities or objectives..." and which uses such lands "for out-door sporting recreational or cultural purposes or similar outdoor activities".

Other types of land (including specific sites) are included the definition of "recreational land" within the Act, however the only one which has relevance for this municipality is "lands which are used primarily as agricultural showgrounds". The amount of rates payable in respect of such recreational lands shall be an amount as the "council thinks reasonable having regard to the services provided by the municipal council in relation to such lands and having regard to the benefit derived from such recreational lands".

In other words, Council has the discretion of granting a concession which could range from 0% to 100% of the normal rates and charges which would apply to such rateable land.

Under Sections 4.(3) and 4.(4) of the this Act, once the Council has determined the degree of concession for each item of recreational land, this concession must be operative until the commencement of each new general revaluation, except that rates payable may be adjusted in proportion to shifts in the level of general rates.

Part 5 of this Act also enables a Council to "impose and collect a reasonable charge for any service provided or available to any recreational lands". In the absence of any local law to this effect, the amount of such charge is "as is agreed between the occupier of the lands and the body imposing the charge".

Anybody which is aggrieved by the amount of rate determined may appeal to the Minister, who then has the prerogative of determining the amount of rates actually paid. (It would appear that a right of appeal exists even in the situation where the Council chose to not utilise the provisions of the Cultural and Recreation Lands Act ie; the right of appeal would appear to exist providing any land satisfies the definition of "recreational land").

This Act also provides for 10 years "back rates" ie; difference between normal rates and concessionary levels of rates over 10 years, when lands cease to be recreational lands, and on the basis of the valuation applicable after cessation.

There are no known guidelines relating to the application of this Act to promote a consistent approach from municipality to municipality. However, it is important for a council to approach the determination of any concession of this nature on a systematic and consistent basis, bearing in mind the normal principles of accountability and procedural fairness.

In summary, the concession under this Act is by reason of net services benefit to the general community derived from certain out-door sporting, recreational or cultural purposes or activities for a particular parcel of "recreational land". The following categories for concessions under the Cultural and Recreation Lands Act currently apply within the Warrnambool City Council –

Category 1 minor concession:

- Notwithstanding cultural sporting/recreational activities and objectives relating to the property, properties in this category would have established gaming and commercial bar facilities. These are considered as substantial income-generating elements of a commercial nature, albeit that such element is located within a contiguous area of a property, which is not eligible to be defined as "recreational land" under this Act.

- The turnover and scale of operations on these properties would usually be sub-regional in nature, and sometimes with off-site effects to which general ratepayers meet the cost of upgrading or ameliorative treatment.

- For land owned or managed by Council, the degree to which these payments are below market value will also be a relevant consideration.

- In establishing any amount payable the following assessment is to be made
  1. The area of the site, which is used for gaming and associated activities must be valued and treated as commercial thus attracting an amount equivalent to the differential rate established for commercial properties within the municipality, and
  2. The balance of the site that is devoted to cultural sporting/recreational activities shall be valued as such and an amount equivalent to the advalorem rate that would apply within the municipality less a 25% discount calculated.

Having determined the above 2 amounts the charge levied shall be the sum total of these 2 amounts in addition to all service charges and any municipal charge that may be levied in accordance with Councils Revenue and Rating Plan.

Category 2- moderate concession:

- Properties in this category would normally have significant membership and substantial clubrooms, sometimes with liquor a license but no gaming facilities.
- Normally well-established with demonstrated ability to meet normal recurrent operating costs.
- For land owned or managed by Council, any concession from market-value lease would also be a relevant consideration.
- Scale of operation essentially district or neighbourhood in nature. The amount payable following assessment being made shall be 75% of the advalorem rate that would apply within the municipality in addition to all service charges and any municipal charge that may be levied in accordance with Councils rating policy.

Category 3 – significant concession:

- Small to moderate membership, or with significant junior component.
- Would typically not have a full-service liquor licence.

- Clubrooms would be typically small scale and modest without major social areas.
- Concession from market rent in any Council lease would also be relevant consideration.
- Relatively limited income generating capacity, apart from members' dues and small scale fund raising efforts.
- Distinctly local/neighborhood in character.

The amount payable following assessment being made shall be 50% of the advalorem rate that would apply within the municipality in addition to all service charges and any municipal charge that may be levied in accordance with Councils Revenue and Rating Plan.

Council currently has 1 property that is classified as cultural and recreational land category 1 and has 15 properties that are classified as cultural and recreational land category 2. As indicated, Council is required to consider a rating discount for these properties under the Cultural and Recreational Lands Act based on considered benefits to the community and the services provided by Council. These properties are reviewed every two years in line with general revaluations.

2.5 The Impacts of Revaluations and Supplementary Valuations

The purpose of this section is to provide an overview of the rate revaluation and supplementary valuation processes.

2.5.1 Introduction

Under the *Valuations of Land Act 1960*, the Valuer-General revalues properties annually.

Property values are determined by qualified Valuers comparing each property to the recent sales figures of similar properties in the neighbourhood. The key factors are location, land size, type of house and condition.

Valuations are conducted using Best Practice Guidelines formulated and published by the Valuer General Victoria.

2.5.2 No Windfall Gain

There is a common misconception that if a property's valuation rises then Council receives a "windfall gain" with additional income. This is not so as the revaluation process results in a redistribution of the rate effort across all properties in the municipality. Any increase to total valuations of the municipality is offset by a reduction to the rate in dollar (ad valorem rate) used to calculate the rate for each property. Total income is fixed each year as part of the budget process.

The general revaluation process enables Council to re-apportion the rate income across the municipality in accordance with movements in property values. Properties which have increased in value by more than the average will receive a rate increase of more than the headline rate. Properties with an increase in value less than the average will receive a rate increase less than the headline rate.

2.5.3 Supplementary Valuations

In accordance with the *Valuation of Land Act 1960* further valuations are required to be carried out between General revaluations, these are known as Supplementary Valuations.

Supplementary Valuations are completed when properties are physically changed by buildings being erected, demolished or altered, when properties are amalgamated, subdivided, portions sold off, rezoned or roads constructed.

Supplementary Valuations are adopted to bring the value of properties into line with values assigned to other properties in the municipality. This is to ensure that as near as practicable the rating valuation reflects the current property condition at the date prescribed for the General revaluation.

Supplementary valuations are conducted by contractors appointed by the Valuer-General and are subject to the timing specified by the Valuer-General. Supplementary Valuations are conducted between July and March as the Valuer-General does not generally conduct and certify Supplementary Valuation in the latter part of the financial year.

2.6 Municipal Charge

The purpose of this section is to outline the municipal charge that Council may utilise to apply rates and the issues that Council consider when applying a municipal charge.

Another principle rating option available to Councils is the application of a municipal charge. Under Section 159 of the Local Government Act 1989, Warrnambool City Council has declared a municipal charge to cover some of the administrative costs of the Council. The legislation is not definitive on what comprises administrative costs and does not require Council to specify what is covered by the charge.

The application of a municipal charge represents a choice to raise a portion of the rates by a flat fee for all properties, rather than sole use of the CIV valuation method. This is similar to the State Government's approach to the levying of the Emergency Services Volunteer Fund Levy (Formerly the Fire Services Levy) in two parts, being a fixed charge and a variable charge based on property values.

Under the *Local Government Act 1989*, a council's total revenue from a municipal charge in a financial year must not exceed 20 per cent of the combined sum total of the Council's total revenue from the municipal charge and the revenue from general rates (total rates).

The municipal charge applies equally to all properties and is based upon the recovery of a fixed cost of providing administrative services irrespective of valuation. The same contribution amount per assessment to cover a portion of councils administrative costs can be seen as an equitable method of recovering these costs.

2.7 Service Charges / Service Rates

Section 162 of the Local Government Act 1989 provides council with the opportunity to raise service rates and charges for any of the following services:

a) The provision of a water supply;
b) The collection and disposal of refuse;
c) The provision of sewage services;
d) Any other prescribed service.

Warrnambool City Council currently applies a service charge for the collection and disposal of refuse and providing waste services for the municipality (street litter bins for instance). Council retains the objective of setting the service charge for waste at a level that fully recovers the cost of the waste services, including the legislatively prescribed aftercare of Council's decommissioned landfill.

It is recommended that council retain the existing waste service charge – should council elect not to have a waste service charge, this same amount would be required to be raised by way of an increased general rate – meaning that residents in higher valued properties would pay substantially more for the waste service than lower valued properties.

Whilst this same principle applies for rates in general, the mix of having a single fixed charge combined with valuation driven rates for the remainder of the rate invoice provides a balanced and equitable outcome.

Collection and administration of rates and charges

The purpose of this section is to outline the rate payment options, processes, and the support provided to ratepayers facing financial hardship.

Payment options

In accordance with section 167(1) of the *Local Government Act 1989* ratepayers have the option of paying rates and charges by way of four instalments. Payments are due on the prescribed dates below:

- 1st Instalment: 30 September,
- 2nd Instalment: 30 November,
- 3rd Instalment: 28 February, and
- 4th Instalment: 31 May.

Council offers a range of payment options including:

- in person at Council offices (cheques, money orders, EFTPOS, credit/debit cards and cash),
- online via Council's ratepayer portal, direct debit (on prescribed instalment due dates or monthly),
- via BPAY,
- Australia Post (over the counter, over the phone via credit card and on the internet),
- by mail (cheques and money orders only).

Interest on arrears and overdue rates

Interest is charged on all overdue rates in accordance with Section 172 of the *Local Government Act 1989*. The interest rate applied is fixed under Section 2 of the Penalty Interest Rates Act 1983, which is determined by the Minister and published by notice in the Government Gazette.

Pensioner rebates

Holders of a Centrelink or Veteran Affairs Pension Concession card or a Veteran Affairs Gold card which stipulates TPI or War Widow may claim a rebate on their sole or principal place of residence. Upon initial application, ongoing eligibility is maintained, unless rejected by Centrelink or the Department of Veteran Affairs during the annual verification procedure. Upon confirmation of an eligible pensioner concession status, the pensioner rebate is deducted from the rate account before payment is required by the ratepayer.

With regards to new applicants, after being granted a Pensioner Concession Card (PCC), pensioners can then apply for the rebate at any time throughout the rating year. Retrospective claims up to a maximum of one previous financial year can be approved by Council on verification of eligibility criteria, for periods prior to this claims may be approved by the relevant government department.

Deferred payments

Under Section 170 of the *Local Government Act 1989*, Council may defer the payment of any rate or charge for an eligible ratepayer whose property is their sole place of residency, allowing ratepayers an extended period of time to make payments or alternatively to forestall payments on an indefinite basis until the ratepayer ceases to own or occupy the land in respect of which rates and charges are to be levied.

Deferral of rates and charges are available to all ratepayers who satisfy the eligibility criteria and have proven financial difficulties. Where Council approves an application for deferral of rates or charges, interest will continue to be levied on the outstanding balance of rates and charges but at an interest rate fixed annually by Council.

Ratepayers seeking to apply for such provision will be required to submit a Rates Deferment Application form which is available at the council offices, on the Council website or which can be posted upon request.

Debt Management Policy
It is acknowledged at the outset that various ratepayers may experience financial hardship for a whole range of issues and that meeting rate obligations constitutes just one element of a number of difficulties that may be faced. The purpose of the Debt Management Policy is to provide options for ratepayers facing such situations to deal with the situation positively and reduce the strain imposed by financial hardship.

Ratepayers may elect to either negotiate a rate payment plan or apply for a rate deferral. Ratepayers seeking to apply for such provision will be required to submit an Application for Rate Relief which is available at the council offices, website or can be posted upon request.

Debt recovery
Council makes every effort to contact ratepayers at their correct address but it is the ratepayers' responsibility to properly advise Council of their contact details. The Local Government Act 1989 Section 230 and 231 requires both the vendor and buyer of property, or their agents (e.g. solicitors and or conveyancers), to notify Council by way of notice of disposition or acquisition of an interest in land.

In the event that an account becomes overdue, Council will issue an overdue reminder notice which will include accrued penalty interest. In the event that the account remains unpaid, Council may take legal action without further notice to recover the overdue amount. All fees and court costs incurred will be recoverable from the ratepayer.

If an amount payable by way of rates in respect to land has been in arrears for three years or more, Council may take action to sell the property in accordance with the Local Government Act 1989 Section 181.

Fire Services Property Levy
In 2016 the Victorian State Government passed legislation requiring the Fire Services Property Levy to be collected from ratepayers. Previously this was collected through building and property insurance premiums. The Fire Services Property Levy helps fund the services provided by the Metropolitan Fire Brigade (MFB) and Country Fire Authority (CFA), and all levies collected by Council are passed through to the State Government. The Fire Services Property Levy is based on two components, a fixed charge, and a variable charge which is linked to the Capital Improved Value of the property. This levy is not included in the rate cap and increases in the levy are at the discretion of the State Government.

Emergency Services and Volunteers Fund
In 2025 the Victorian State Government replaced the Fire Services Property Levy with the Emergency Services and Volunteers Fund Levy. This levy increased the amount of levies collected from Victorian ratepayers to help fund the state's emergency services.

3. Government Grants

Council pursues all avenues to obtain external grant funds for prioritised works. Government Grants make up approximately 20% of Council's yearly revenue and the largest consistent proportion of government grants is made up of the Financial Assistance grant provided by the Commonwealth Government under the *Local Government (Financial Assistance) Act 1995* (Commonwealth) Grants Commission Scheme and distributed annually to 79 local governing bodies within Victoria via the Victorian Local Government Grants Commission.

The Financial Assistance Grant (VLGGC) program consists of two components:

- A general-purpose component, which is distributed between the states and territories according to population (i.e. on a per capita basis), and
- An identified local road component, which is distributed between the states and territories according to fixed historical shares.

Both components of the grant are un-tied in the hands of local government, allowing councils to spend the grants according to local priorities. Council applies the local roads component to road rehabilitation projects in its Capital Works Program and utilises the general-purpose component to fund Council operations and Capital works.

In addition to financial assistance grants, each year Council receives several other grants from the State & Federal Government. Grants received may be to help fund capital works and short-term initiative projects or to help fund the provision of regular Council services. These grants are split into two categories based on whether they are of a recurrent (received each year) or non-recurrent (once-off) nature.

The volume of non-recurrent grants fluctuates from year to year and typically represent grants received towards the funding of capital projects or small ad-hoc initiatives. Government departments generally designate a total pool of funding available and eligibility criteria to access the funding. Council is responsible for identifying funding that it may be eligible for and then making appropriate applications.

Recurrent grants are relatively consistent from year to year and are typically granted to Council to help fund the provision of specific services (Home Care, Children's Services, Maternal & Child Health, School Crossings, etc.). The grants may designate specific obligations tied to the funding such as the requirement for Council to delivering a minimum amount of service levels. If these obligations are not fully met, a portion of the funding may be forfeited and need to be returned.

Council has no control over the available funding put forward by State and Federal Government. However, Council is able to exercise an element of control over grant funding by; ensuring that applications are made for all applicable grant funding pools, all funding obligations are met and the prioritization of capital works takes into account each projects eligibility for grant funding.

4. Fees and Charges

Council provides a wide mix of goods and services to the community. All council services can be reviewed to assess whether they are appropriate to attract user fees and charges. Council services which are deemed public infrastructure are generally provided free of charge and associated expenditure is fully funded by rates and/or grants. This includes the provision of roads, parks, footpaths, drainage, trees, etc.

Where a service is provided on an individual basis, they may often attract a fee or charge. The ability for Council to set the fees and charges for these services may be impacted by state and/or federal government legislation of funding conditions that either prohibit or sets ceilings for pricing. Some of these, such as planning fees, are set by state government statute and are commonly known as 'statutory fees'. In these cases, councils usually have no control over the setting of the fee price.

For fees & charges other than 'statutory fees', each service is analysed as to whether it is of a commercial or community-benefit nature. Services are deemed to be of a community-benefit nature if the provision of the service delivers benefits to the wider community, and if the most at-risk members of our community would be unfairly disadvantaged if they could not access the service. There are also some fees and charges charged by Council not explicitly for the provision of a service, but of a punitive nature (e.g. fines) with the explicit purpose of discouraging and deterring certain behaviours.

Each year as part of the budget process, Council reviews all fees and charges and adjusts the levels as appropriate. Community-benefit fees are kept low, such that the cost of the service is not fully recovered but is instead subsidised by Councils other revenue streams. Other commercial fees & charges are set consistent with application of the user pays principle – that is, so far as is possible, the cost of providing a direct service will be offset by the fees charged.

A schedule of the current user fees and charges is presented for public consultation and feedback as part of Council's annual budget process.

4.1 Cost recovery

Setting fees and charges is often determined by a notion that the fee charged for a service should correspond with the cost of providing the service – that is the costs borne by Council in providing the service are fully recovered by the fees & charges. However, this notion is balanced with Council's wish for some essential services to be accessible by the most disadvantaged members of our community as well as the commercial reality, that our fees need to be consistent with other providers in the market to remain competitive, as well as the supply and demand realities that if the costs are set too high, the usage of the service will drop, reducing our overall income.

The full cost of delivering a service or providing a facility includes both:

- Direct Costs – those costs that can be readily and unequivocally attributed to the delivery of a service or activity because they are incurred exclusively for that particular product/activity.
- Indirect Costs (often referred to as overheads) – those costs that are not directly attributable to a single activity but support a range of activities across Council (e.g. Information Technology costs).

4.1.1 Direct Costs

In line with sounds financial management principles Council's systems are set up to allocate direct costs straight to the business unit providing the service. These costs include:

1. Labour – the wages and salaries of all staff directly working on that service.
2. Materials and supplies – supplies used in providing the service. This may include utilities, contractor costs and car operating expenses.
3. Administrative expenses – the office support for a service. Typically, an operational unit provides a number of services, so the administrative costs of that unit will need to be allocated across the different services.
4. Equipment used in providing the service – this may include the purchase of equipment, plant hire, leasing of equipment, etc.

These costs include staff on-costs, such as allowing for annual leave, sick leave, workers' compensation payments and long service leave.

4.1.2 Indirect Costs (Overheads)

Council has a range of "back office" operations that are not directly tied to any service delivery (e.g. IT, Customer Service and HR). Nonetheless, these involve real costs that are incurred in supporting the delivery of Council's services.

Council allocates indirect costs to the services it provides using a pro-rata approach. That is to say, Council allocates indirect costs on a proportionate basis by using measures that are easily available, such as staff involved in the activity as a percentage of total staff, total number of computers or the service unit's share of total office floor space.

There are alternative ways to allocate indirect costs such as using Activity based costing, however this process can be very labour intensive and costly, while a pro rata approach delivers similar results with less effort.

4.2 Fee setting

The responsibility for setting of fees & charges resides with the managerial unit responsible for delivering the service. The fee setting is done as part of the budget process, where the impact of changing fees can be seen against the unit's bottom line.

When setting the fees & charges for the new year, the following questions must be asked.

- Do any external constraints apply? Possibilities include:
  - Other levels of Government setting a statutory price for that service, or
  - Does Council need to take into account competitive neutrality adjustments?
- Would setting a price based on recovering the full cost of the service be competitive with other supplies (nearby councils and/or private competitors)?
- How will a change in price impact volume of usage of that service?
- Does Council have a strategy to either:
  - Subsidise the cost of this service (setting prices below full costs)?
  - Use the service as a taxation mechanism (setting prices above the full cost level)?

4.3 Competitive Neutrality

Compared to the private sector, government departments have a number of competitive advantages and disadvantages when providing services in a competitive market. Competitive benefits may arise due to Council's taxation status or ability to subsidise a service with rates. Conversely Council may be disadvantaged due to increased red tape (additional reporting costs and legislation to comply with), limited flexibility in restructuring or comparative employment awards between the private and public sectors.

If Council deems that in the provision of any of its significant business activities it has a significant competitive advantage (or disadvantage) over the market due to its public sector ownership, then a competitive neutrality assessment may be required to be undertaken.

To undertake this assessment, the following steps are recommended by the Victorian Government's Competitive Neutrality Policy:

- Determine whether the operation is a "significant business activity" and whether Council has a net competitive advantage compared to the private sector.
- Weigh up the expected benefits and costs of introducing competitive neutrality policy measures.
- Determine if the public interest is served by implementing competitive neutrality policy measures.

If this analysis shows that a significant business activity of Council does enjoy a net competitive benefit, Council is expected to set prices that include competitive neutral adjustments.

However, under the policy, this is not required if:

The costs of applying competitive neutrality outweigh the benefits, or Council conducts and documents a "public interest test", which involves public consultation on costed options, and identifies clear public policy objectives for providing the service at below competitive neutral prices.

Council will conduct a competitive neutrality assessment of its services on a rolling basis. To date, no services have been identified as being a significant business activity where Council has a significant net competitive advantage over the private sector. As such no competitive neutrality adjustments have been required to be implemented to increase user fees.

4.4 Fee & Charge Principles

Council has developed a range of principles to determine the level of fees and charges to be applied to each service. Fees and charges will be reviewed on an annual basis in line with these principles:

- Fees are charged in line with State and Federal government legislation or Local Laws.
- Fees and charges are set at a level that is deemed to be fair and equitable to enable the majority of residents to access the services.
- Fees and charges are set to remain competitive with other 'like-services' available in the market.
- No fees (or low fees) are charged for some services with an aim to encourage community participation and positive health and wellbeing outcomes.
- Fees and charges that are punitive in nature, are set at a level significant enough to deter the targeted behaviour without being overly burdensome.

5. Review Period

This Revenue and Rating Plan covers the four-year period July 2025- June 2029. It will be reviewed and amended during this 4-year period, annually.

6. Related Documents

Warrnambool City Council Plan
Warrnambool City Council Annual Budget
Warrnambool City Council Hardship Policy

7. Related Legislation

Local Government Act
2020 Local Government
Act 1989 Penalty Interest
Rates Act 1983

Cultural and Recreational Lands Act 1963
Valuation of Land Act 1960

Victorian Competitive Neutrality Policy

WARRNAMBOOL
CITY COUNCIL

DRAFT

Community Engagement Policy

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1. INTRODUCTION

1.1. Purpose

This policy details Council's approach to community engagement, including Council's commitment to the community engagement principles set out under section 56 of the Local Government Act 2020. This Policy aims to create stronger links between the council and the community; provide opportunities for the community to contribute to and inform identified strategic plans; build new relationships and/or improve relationships with the community; and to educate the community and Council on specific issues to increase knowledge and inform decision-making.

1.2. Scope

This Policy applies to all Councillors, Council staff, contract workers, consultants and all people who engage with the community on behalf of Warrnambool City Council.

The Local Government Act 2020 requires that the following activities are undertaken in accordance with this Community Engagement Policy:

- development of the Council Plan;
- development or amendment of Governance Rules;
- making or altering a Local Law, after 1 July 2021;
- development of a Community Vision;
- development of a Financial Plan; and
- development of an Asset Plan;
- developing the annual Budget;
- making changes to an adopted Budget that the Council considers should be subject of community engagement;
- The purchase or compulsory acquisition of land by Council in accordance with section 112 of the Local Government Act 2020;
- Sale or exchange of Council land in accordance with section 114 of the Local Government Act 2020; and
- Any lease of land where the lease is $100,000 or more, the market rental value of the land is $100,000 or more, or the lease is proposed to be for 10 or more years, in accordance with section 115 of the Local Government Act 2020.

Community engagement must follow the principles as defined under the Act, which are:

a. a community engagement process must have a clearly defined objective and scope;
b. participants in community engagement must have access to objective, relevant and timely information to inform their participation;
c. participants in community engagement must be representative of the persons and groups affected by the matter that is the subject of the community engagement;
d. participants in community engagement are entitled to reasonable support to enable meaningful and informed engagement;
e. participants in community engagement are informed of the ways in which the community engagement process will influence Council decision-making.

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Following the principles will help ensure the community engagement becomes a deliberative process where issues are given in-depth consideration from multiple perspectives.

Community engagement should occur when:

- a proposed change could impact on current users or customers of a council service or facility;
- a proposed change could affect the rights or entitlements of community members;
- there is a potential impact on surrounding neighbours;
- when council is setting its strategic direction;
- the council needs to identify and understand community issues, needs and priorities;
- the council needs to monitor customer satisfaction with council services and facilities; and,
- there is a level of controversy, conflict or sensitivity about a particular issue.

There are occasions when community engagement may not be possible.
These include:

- When a decision must be made immediately;
- When decisions relate to Council's regular business operations; or
- When legal or commercial restrictions prevent it.

There may be occasions when it is desirable to combine community engagement exercises for related projects, for instance the Council Plan and Budget. This will avoid duplication of effort, reduce costs and help avoid the possibility of the community experiencing engagement fatigue.

Community engagement can occur through a range of techniques and approaches in order to maximise community participation.

This policy provides a framework for community engagement based on the International Association of Public Participation (IAP2) spectrum and will enhance the capacity of the community to engage Council and vice versa.

The policy articulates Council's commitment to thorough, consistent and genuine community engagement that will inform responsible decision-making for the benefit of the community.

Council will be informed in its decision-making by engaging with a range of stakeholders that comprise the following sectors of the community:

- residents and ratepayers;
- representative, interest and lobby groups;
- community organisations;
- service clubs;
- cultural organisations;
- government; and
- business.

1.3. Definitions

Term	Definition
Community engagement	A process of working with stakeholders and groups of people to develop relationships, build understanding and inform decision-making processes.
Council	Warrnambool City Council
Policy	Warrnambool City Council Community Engagement Policy
Community	People who live in, work in or visit Warrnambool
Community group	Groups, organisations and council advisory bodies that have community-based members and who may share a common interest or interests.
Consultation	A two-way relationship with the Council providing information, considering feedback and providing information on an outcome.
Stakeholders	A person, group or system that can affect or be affected by a council action.

1.4. References

Legislation	Local Government Act
Guidelines	Community Engagement Planning Template
Warrnambool City Council	Warrnambool City Council Plan
Warrnambool community	Warrnambool 2040 (long-term community vision)

2. POLICY

The intention of this policy is to improve decision-making through the involvement of the community; to strengthen the sense of community; to use resources more effectively and to gain greater insight into community needs and aspirations.

2.1. Policy statement

Core activities and values

The following activities and values aid in decision-making which reflects the interests and concerns of the community:

- community engagement promotes sustainable decisions by recognising and communicating the needs and interests of participants, the broader community and

decision-makers;

- community engagement seeks out and facilitates the involvement of those potentially affected by or interested in, a decision by Council;
- community engagement provides people with the information they need to participate in a meaningful way;
- engagement will recognise the diversity within a community including age, abilities, religions, sexual orientation, gender and cultural identity;
- people must have a range of opportunities through which to present views to Council including online, in-person, over the phone or through written submissions;
- the Council will report to those involved in an engagement process to complete the information loop from community input to outcome for the community; and
- people will be informed of community engagement outcomes via means which may include Council meeting reports, outcomes published on Council's website, on Council's social media platforms and Council newsletters.

2.2. Deliberative Engagement

Deliberative engagement is where Council will seek help from the community to frame plans prescribed under the Local Government Act and its regulations and where Council resolves that this is the most appropriate form of engagement for any other matter or initiative.

The deliberative engagement process will provide an opportunity for participants to listen to and learn about each other's views, discuss similarities and differences, weigh evidence, and to deliberate in pursuit of a balance between competing values and interests.

Deliberative engagement will seek to involve individuals, groups and/or the broader community, being scaled to fit the size and impact of the individual project.

Deliberative engagement takes place at the highest three levels on the IAP2 spectrum, 'Involve', 'Collaborate' or 'Empower'. The deliberative engagement process to be undertaken for each individual engagement will be outlined in the community engagement plan for that matter. Some projects may require skilled facilitators to ensure a fair and equitable process. The need for and feasibility of facilitators will be considered on a case-by-case basis.

As part of Council's commitment to effective deliberative engagement practices, Council will:

- ensure that it includes any prescribed matters required by any of the Local Government Act 2020 Regulations;
- ensure participants have access to objective, relevant and timely information;
- ensure the process is representative, including those groups and individuals who are directly affected by the matter; and,
- Provide appropriate time to deliberate on complex information and ideas, and, where possible, seek to find consensus.

2.3. Legislative Requirements

Where Council is making a local law or policy of key significance to the community, community engagement processes listed in this policy are capable of being applied.

Where a community engagement process is undertaken, a plan for that engagement will be

developed and will include a clearly defined objective and scope.

All community engagement processes will include providing participants with access to objective, relevant and timely information.

Each community engagement plan will include information about how that community engagement process will inform and influence any subsequent decision of Council.

2.4. Informing the community of engagement outcomes
Council will use a variety of methods to inform the community of the outcome of engagement processes.

How engagement outcomes are shared with the community can be outlined in a community engagement plan and will include one or more of the following:

- publication on Council's website
- posts on Council's social media
- print and digital media releases and/or advertisements
- direct communication with participants in the process
- direct communication with those that have requested to be notified of the outcome (e.g. phone, email or post)
- formal in-person announcements (e.g. community meeting).

Individuals who have expressed an interest in receiving updates on engagement outcomes may also be contacted directly which may be via email, letter or phone call.

In determining the methods for informing the community of the outcome of engagement processes Council will consider the stakeholders involved, and the relevance to, and interest levels of the broader community.

3. PROCEDURE

3.1 Procedure statement

To help guide decisions around engagement choices Council recognises the participation spectrum developed by the International Association for Public Participation as the recommended guide to engagement activities. The Community Engagement Planning Template provides advice as to an appropriate level of participation (see Further Information and Advice).

IAP2 Spectrum of Public Participation

IAP2's Spectrum of Public Participation was designed to assist with the selection of the level of participation that defines the public's role in any public participation process. The Spectrum is used internationally, and it is found in public participation plans around the world.

INCREASING IMPACT ON THE DECISION

	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.

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Above: Community Engagement Model - the IAP2 public participation spectrum

Warrnambool City Council - Community Engagement Policy – adopted February 2021.

4. FURTHER INFORMATION AND ADVICE

To help staff undertake community engagement activities the Community Engagement Planning Template has been developed.

5. GOVERNANCE

a. Owner

The responsible officer for this policy is the Manager Communications, who will ensure the policy is implemented and reviewed.

b. Review

The Manager Communications will review the policy for any necessary amendments no later than four years after its formulation or after the last review.

c. Compliance Responsibility

4.3.1. Executive Management Team (Chief Executive and Directors)

- Demonstrate Warrnambool City Council values through being positive role models for this policy.

4.3.2. Managers and Supervisors

- Managers and Supervisors are responsible for ensuring employees under their direct control comply with actions detailed in this policy (and related procedures).

4.3.3. All Employees

- Demonstrate Warrnambool City Council values through being positive role models for fellow employees, contractors and volunteers by ensuring compliance with this policy (and related procedures).

d. Charter of Human Rights Compliance

It is considered that this policy does not impact negatively on any rights identified in the Charter of Human Rights Act (2007).

Warrnambool City Council is committed to consultation and cooperation between management and employees. The Council will formally involve elected employee health and safety representatives in any workplace change that may affect the health and safety of any of its employees.

e. Gender Equality

This policy has been subject to a Gender Impact Assessment to help ensure it helps fulfill the principles of the Gender Equality Act, which are:

(1) All Victorians should live in a safe and equal society, have access to equal power, resources and opportunities and be treated with dignity, respect and fairness.
(2) Gender equality benefits all Victorians regardless of gender. Part 1—Preliminary Gender

Equality Act 2020 No. 5 of 2020 7 Authorised by the Chief Parliamentary Counsel
(3) Gender equality is a human right and precondition to social justice.
(4) Gender equality brings significant economic, social and health benefits for Victoria.
(5) Gender equality is a precondition for the prevention of family violence and other forms of violence against women and girls.
(6) Advancing gender equality is a shared responsibility across the Victorian community.
(7) All human beings, regardless of gender, should be free to develop their personal abilities, pursue their professional careers and make choices about their lives without being limited by gender stereotypes, gender roles or prejudices.
(8) Gender inequality may be compounded by other forms of disadvantage or discrimination that a person may experience on the basis of Aboriginality, age, disability, ethnicity, gender identity, race, religion, sexual orientation and other attributes.
(9) Women have historically experienced discrimination and disadvantage on the basis of sex and gender.
(10) Special measures may be necessary to achieve gender equality.

Warrnambool City Council - Community Engagement Policy – adopted February 2021.

Warrnambool City Council Creative Strategy

2025 - 2029

WARRNAMBOOL
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Acknowledgement of Country

Warrnambool City Council respectfully acknowledges the traditional custodians of the land upon which we live and work and waters we share, the Peek Whurrong and Gunditjmara people of the Maar Nation, who have had a deep spiritual and cultural connection to country for thousands of years. We pay our respects to their Elders, past and present, and acknowledge the contribution their traditions, cultures and stories make to the cultural landscape of Warrnambool.

We also acknowledge the neighbouring tribes in this area, Kerr-up-Jmara, Chaap-Whuurong, Kuurn-Kopan, Kirra-Whuurong, and Yarro-Waech.

Why a Creative Strategy?

A strategy is required to scaffold the growth of the city's creative enterprise and will be used to prioritise the important work that needs to be done to support the development of a diverse and robust creative sector in our region.

The strategy will enable Warrnambool to capitalise on the well-evidenced economic, health, social and civic benefits that result from a flourishing cultural landscape.

As this is Warrnambool's first Creative Strategy it focuses, in the short-term, on establishing a strong foundation from which to grow, with the expectation that the next version will expand upon its activity and its vision.

The projects outlined in the strategy represent an achievable and measurable plan for Council to contribute to the city's cultural development over the next four years.

Role of Council

Council is a key stakeholder in the development of the city's artistic and cultural life and the city's creative sector.

Council also recognises that creativity, arts and culture play a key role in supporting its responsibility to:

- enhance the quality of people's lives and the liveability of the City;
- provide opportunities for public involvement and cultural expression;
- contribute to community health and wellbeing;
- contribute to building vibrant, engaged and socially active communities;
- contribute to a strong sense of place and community pride;
- fuel community and economic development;
- provide opportunities for employment and lifelong learning;
- attract new residents to live, work, play and create in the city.

Council will support the development of creativity, arts and culture as:

- **champion** – partner, supporter and promoter;
- **connector** - brokering networks and partnerships;
- **capacity builder** – through research, policy, professional development;
- **host** - providing places and opportunities; and
- **custodian** - conserving, collecting, holding.

Links to key Plans and Strategies

The Warrnambool Arts and Culture Strategy 2025 - 2029 is a key strategic plan of the City Wellbeing Branch of Council and is closely aligned to other key strategic plans of Council.

The Council Plan 2025 – 2029 describes the strategic direction of the Council within that period: Key to this strategy are the embedded strategies of the Council Plan:

- Our City activates and promotes local culture and art.
- Our City is activated to be attractive to residents and visitors.
- Our City encourages business growth and development.
- Our City will support and grow industries that will bring employment and prosperity to the region.
- A creative City that encourages opportunities for innovation and creativity, increasing community connectedness.

Warrnambool Art Gallery Strategy 2025 - 2029

Warrnambool Economic Development Strategy 2023 – 2028

Warrnambool Events Strategy 2024 - 2028

South West Creative Industries Strategy, 2025- 2029: a plan for action for further supporting creatives, communities and audiences across the South West. The strategy is supported at a state and local level by Creative Victoria, Aboriginal Victoria, Regional Development Victoria, five municipalities, Great Ocean Road Regional Tourism Board, and other key stakeholders.

Creative State 2025 The Victorian Government's Creative Industries Strategy.

Experience Victoria 2033 The Victorian Government's strategic plan to shape the future of Victoria's visitor economy over the next ten years.

Partners and stakeholders

Warrnambool City's Creative Strategy 2025 – 2029 will be implemented in partnership with:

- Creative Victoria and Regional Arts Victoria;
- State and Commonwealth Governments;
- creative industry, artists and cultural workers;
- Indigenous communities and artists;
- business and education sectors including Deakin University and SW TAFE;
- community arts organisations such as The F-Project, Find Your Voice Collective, The Multicultural Association, One-Day Studios and The Warrnambool Artists Society;
- other Council departments such City Futures and City Infrastructure and Environment; and,
- the broader community as consumers, participants and supporters of the arts.

Definitions

In this Strategy, 'creativity' encompasses all forms of arts & culture , including performing arts, visual arts, screen and digital arts, literary arts.

'Culture' refers to the values, ideas, customs, attitudes and physical artefacts of a particular people or society. Our culture is how we express who we are, as a member of a group.

The term 'artists', 'creatives' or 'creative practitioners' are used interchangeably to describe those engaged in artistic and cultural activity.

Population: Warrnambool's population is approaching 36,000 and growing at about one per cent annually.

Demographics: The median age in Warrnambool is 42 years, older than the national median age of 37 but younger than the regional Victorian median age of 42. The percentage of Warrnambool's community 60 years or older is 27.8%. For the Great South Coast region this is 28.09%.

Cultural diversity: At the 2016 census 683 people identified as Aboriginal, 13 identified as Torres Strait Islanders and a further 13 as both Aboriginal and Torres Strait Islander. English is the most common language followed by Mandarin and Korean. Australia is the most popular birthplace of Warrnambool residents followed by England, New Zealand and Taiwan.

Employment and industry in Arts and Culture: At the 2016 census - 232 people worked in the arts and recreation services sector.

Warrnambool's cultural landscape

Our home in the South West has a long history of creative innovation.

The Maar Nation peoples are artists, musicians, storytellers and inventors. They have lived on and cared for country with deep and complex cultural practices for 65,000 years. Budj Bim is the site where the Gunditjmara people made the world's first aqueducts so that they could harvest Kuyang (short finned eels), over 6000 years ago. Their artworks use unique cross-hatching and linear techniques to tell stories and convey knowledge.

More recently, though still some time ago, the oldest musical recording in Australia was recorded in Timor St. In 1896, John Villiers sang 'The Hen Convention', and Tommy Rome recorded it on his new Edison Phonograph (perhaps they might have chosen a different song, had they known it would go down in history). Later, the tune for Waltzing Matilda was composed here, and later still Shane Howard and Archie Roach would change the world with their own Aussie anthems, 'Standing on Solid Rock' and 'Took the Children Away' respectively. Our long connection to music continues to foster incredible talent today, with many contemporary Warrnambool musicians performing to huge audiences around the world. You may have even heard Warrnambool band Airborne provide the perfect backing track to the finale of a 40 year old feud in the Karate Kid Netflix show, Cobra Kai?

We're home to some of the country's finest performers, designers, movie makers, musicians, fashion designers, milliners, painters, sculptors, street performers, comedians, photographers and writers. Albert Namatjira was taught to paint by Warrnambool artists, John Gardner and Rex Battarbee. The Fletcher Jones and Gorman fashion labels arose from here. Paul Jennings immortalised our people and places in some of the most popular children's books and television shows Australia has produced. Our creatives contribute to the global stage in gaming, in hit ABC productions, and in films like George Miller's Furiosa and Guillermo del Toro's 'Pinnochio'.

Warrnambool's creativity is everywhere.

The creative industries form a significant part of the Australian workforce, with about 7% of Australians working professionally as creatives. Despite achieving much, Warrnambool's creatives only make up 3.1% of local jobs. The Creative Warrnambool Strategy 2025 - 2029 aims to help to boost that figure and provide support for embedding creativity in our community.

We have work to do. Our young people need us to create new pathways for them into the creative industries of the future. We need studios and stages, galleries and spaces for them to develop and showcase their skills. We need to draw on the knowledge and experience of our existing arts community to lead the way for emerging generations.

Already there are a number of people and organisations helping to foster opportunities. The Holiday Actors, FReeZA, Find Your Voice Collective, Warrnambool Art Gallery, the Dart & Marlin, Goomfest, One Day Studios, Warrnambool Theatre Company, the Lighthouse Theatre, The F Project, MFA, Warrnambool School of Art, Flagstaff Hill, Factory Arts and a host of other local providers are demonstrating the economic and social benefits of a healthy arts and culture ecology.

Once creative innovation takes hold in a place, it is easy to build upon. We develop a sense of community pride, we connect, collaborate and share resources. It becomes part of how we think of ourselves, and the personality by which the world knows us. That identity attracts others and the cycle continues. Our strength lies in our stories, and in their ability to provide a foundation that we may use to create a better future together.

Background: how did we get here?

Over the past eight years the Warrnambool arts and culture community - and the community at large - have generously provided their ideas, vision, needs and desires through a range of community consultation processes including:

- In 2017 and 2018 the community vision, Warrnambool 2040, was developed through an extensive community engagement process. Thousands of residents and hundreds of clubs, groups and organisations shared their 'Wishes for Warrnambool' and their aspirations for the future of the city. At the time Warrnambool was recognised as Australia's most liveable city and went on to secure major infrastructure projects such as the $10.7 million Reid Oval redevelopment and the $22.8 million new Learning and Library Hub.
- In 2020 Regional Arts Victoria released the first-of-its-kind Creative Industries Strategy for South West Victoria, providing a unifying plan for arts & culture across five LGAs. The CIS has informed recent strategic plans for Southern Grampians, Corangamite, Glenelg and Moyne and aligns with this Creative Strategy.
    - 2023: Interim evaluation of the Creative Industries Strategy 2020 - 2024
    - 2025: South West Creative Industries 2025 - 2029 Strategy joint consultation
- In 2019 the Warrnambool Art Gallery held strategic planning workshops.
- In 2021 the Warrnambool community participated in engagement for the development of a new Council Plan 2021-2025, now formally adopted by Council.

Warrnambool City Council Creative Strategy 2025 - 2029

Vision

Warrnambool inspires innovation and creativity and thrives on curiosity and critical conversations.

OBJECTIVE 1: Invite the Peek Whurrong, Maar Nation and the Aboriginal community for feedback on all strategic objectives.

KEY ACTIONS	Year 1	Year 2	Year 3	Year 4
Ask EMAC for preferred process and partner to provide meaningful opportunities for WCC to deliver on First Nations led strategies.	●	●	●	●
Spend time building relationships with local mob.	●	●	●	●
Develop a plan to establish processes that embed cultural training.			●	
Invite conversation with EMAC towards integrating Culture into the 2029 – 2033 Strategic Plan.			●	●

OBJECTIVE 2: Champion the vital role that arts & culture plays in the wellbeing of our community and liveability of our City.

KEY ACTIONS	Year 1	Year 2	Year 3	Year 4
Encourage creative thinking in Council's planning, policies and strategies	●	●	●	●
Increase awareness of Council's programs and support frameworks for supporting local artistic projects and organisations.	●	●		
Foster infrastructure and hear and capture local stories.			●	
Continue to build Council resources to support the outcomes of this plan.		●		
Identify and implement systems for arts organisations to measure their value to the local and wider community.			●	
Develop marketing plan for the Creative Warrnambool brand.	●			
Identify opportunities for participation of disabled and neuro-divergent creatives.	●	●	●	●

Warrnambool City Council Creative Strategy 2025 - 2029

Vision Continued

Warrnambool inspires innovation and creativity and thrives on curiosity and critical conversations.

OBJECTIVE 3: Warrnambool City is a regional centre for Arts and Culture and a cultivator of creative industries

KEY ACTIONS	Year 1	Year 2	Year 3	Year 4
Inspire the community with creative leadership, providing curious, meaningful and creative events, exhibitions and performances.	●	●	●	●
Complete an Arts and Culture Audit of the City to clearly identify its strengths and opportunities.	●			
Capture and analyse the data that demonstrates the economic impact of the Arts.		●		
Develop a Live Music Strategy and Action Plan.		●		
Build partnerships with key stakeholders to support opportunities for young people to explore and develop creative capacity.	●	●	●	●
Explore opportunities for the City to be a centre for music education and production.		●	●	●

OBJECTIVE 4: Capitalise on our City's cultural heritage as a source of pride for our residents and to create a sense of place and identity.

KEY ACTIONS	Year 1	Year 2	Year 3	Year 4
Celebrate and highlight the culture and art of Peek Whurrong and Gunditjmara peoples in civic buildings and public spaces.	●	●	●	●
Provide opportunities and platforms to hear and share stories of our cultures and histories. Store and use these stories in future projects to share and build on the awareness of our shared identity.			●	
Continue to identify our heritage sites including indigenous placenames.			●	
Identify local multicultural organisations and representatives and provide connections to existing support structures (Multicultural Association, Community Development Fund, etc).	●			

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Warrnambool City Council Creative Strategy 2025 - 2029

Vision Continued

Warrnambool inspires innovation and creativity and thrives on curiosity and critical conversations.

OBJECTIVE 5: Build the capacity of our creatives and develop an environment in which creativity, arts & culture are able to thrive.

KEY ACTIONS	Year 1	Year 2	Year 3	Year 4
Develop and activate a Creative Warrnambool online portal for upskilling, networking and promotion of the creative community.	●			
Identify spaces available for creatives to work, perform, rehearse and gather.	●			
Facilitate networking activities between our creative, education and business communities to encourage partnerships and collaboration.	●	●	●	●
Foster and actively support the inclusion of local content in Festivals and facilities supported by Council.	●	●	●	●
Local creatives on Council's website and in our tourism, economic development and other communications.	●			
Facilitate skills development programs for organisations, artists and cultural groups to strengthen marketing, entrepreneurial and presentation capabilities.	●	●	●	●

9

How will we measure our success?

Measures: how we will know we've made progress on this plan

- We will have a good understanding of the existing creative sector to measure growth against.
- The sector will attract increased funding and provide increased employment.
- The sector will be better connected and feel supported and valued.
- Our diverse communities will be included and represented in local creative outcomes.
- Key actions will be completed.

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PATHWAYS

Asset Management Plan
Warrnambool City Council

Document Control	Pathways Asset Management Plan				
Document ID:					
Rev No	Date	Revision Details	Author	Reviewer	Approver
V1.0	August 2024	Draft	A. Lehmann	M. Waters	
V1.1	August 2024	Revised draft	A. Lehmann	M. Waters	
V1.2	September 2024	Revised draft	A. Lehmann	M. Waters	
V1.3	April 2025	Final draft updated for adoption	A. Lehmann	M. Waters	

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1.0 EXECUTIVE SUMMARY

1.1 The Purpose of the Plan

This Asset Management Plan (AM Plan) details information about infrastructure assets with actions required to provide an agreed level of service in the most cost-effective manner while outlining associated risks. The plan defines the services to be provided, how the services are provided and what funds are required over a 10-year planning period. The AM Plan will link to the Long-Term Financial Plan.

1.2 Asset Description

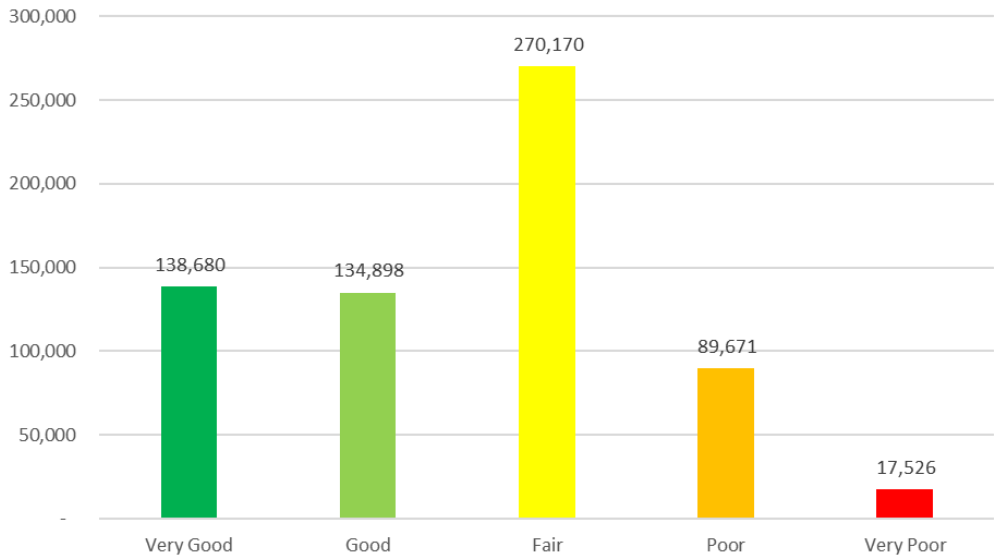
The pathways network which Council is responsible for measures approximately 382 km in total length and has a total replacement cost of $68.7 million.

The network comprises both sealed (i.e. asphalt, concrete, brick pavers, etc) and unsealed pathways (i.e. gravel). Council's pathway network has been developed over time to provide pedestrian access around the city.

Council's pathways contribute to the community through:

- Access and safe movement of people.
- Community linkages to shops, schools, neighbours, and friends.
- Recreation, health and fitness opportunities.
- Improvement to local amenity.

The following chart shows the current condition of Council's pathways.



According to analysis of Council's asset information, 84% of its pathways are in 'Fair' or better condition.

1.3 Levels of Service

The allocation in the planned budget is sufficient to continue providing existing services at current levels for the planning period.

While service standards are expected to remain within tolerable limits under the current funding regime, it will be important for Council to continue to regularly monitor the performance of the pathway network, including community satisfaction. Budget adjustments may need to be made to address possible trends in asset degradation, appetite for increased levels of service, or to manage risk appropriately.

This plan, and future revisions, will inform the long-term financial plan to fund the future renewal and upgrades necessary to meet future demand and levels of service.

1.4 Future Demand

The factors influencing future demand and the impacts they have on service delivery are created by:

- Population and demographic change.
- Ageing infrastructure.
- Increased awareness of the benefits of walking as an active transport option.
- City growth and development including increased housing density.

These factors will be considered when using a combination of managing existing assets, upgrading existing assets and providing new assets to meet demand. Demand management practices may also include a combination of:

- Continuing to implement the recommendations and projects from Council's strategies and plans such as the Warrnambool Principal Pedestrian Network Report (PPN) and Sustainable Transport Strategy.
- Monitoring the performance and condition of pathways through ongoing inspection programs.
- Preparing long term asset maintenance and renewal programs according to priorities and funding availability.
- Ensuring design guidelines which consider future demand factors and good design principles.

1.5 Lifecycle Management Plan

1.5.1 What does it Cost?

The forecast lifecycle costs necessary to provide the services covered by this AM Plan includes operation, maintenance, renewal, acquisition, and disposal of assets. Although the AM Plan may be prepared for a range of time periods, it typically informs a Long-Term Financial Planning period of 10 years. Therefore, a summary output from the AM Plan is the forecast of 10-year total outlays, which for Council's pathways is estimated to be $28.9 million or $2.9 million on average per year. This excludes contributed assets and works delivered through Council's Development Contributions Plan.

1.6 Financial Summary

1.6.1 What we will do

Estimated available funding for the 10-year period is $19.8 million or $1.98 million on average per year as per the Long-Term Financial plan or Planned Budget. This is 68% of the cost to sustain the current level of service at the lowest lifecycle cost.

The infrastructure reality is that only what is funded in the long-term financial plan can be provided. The Informed decision making depends on the AM Plan emphasising the consequences of Planned Budgets on the service levels provided and risks. This is shown in the following figure.

Forecast Lifecycle Costs and Planned Budgets

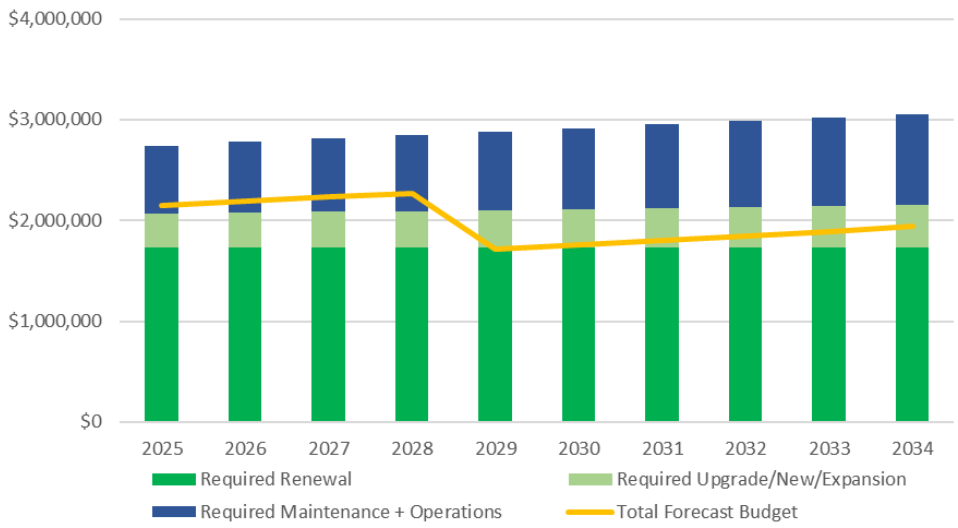


Figure Values are in current dollars.

The analysis completed for this Pathways Asset Management Plan indicates that there will be a funding shortfall over the next 10 years. As a result, Council will look to undertake more strategic work, including further inspections to understand the condition of the network, prior to making key decisions on future funding requirements.

We plan to provide the following related services:

- Continue to inspect and proactively maintain pathways to ensure they are safe and functional within the specified levels of service accepted by the community.
- Invest in the renewal, upgrade and provision of new pathways according to data driven priorities and annual budget allocations.
- Ensure pathways comply with any relevant statutory requirements and Australian Standards.
- Prioritise pathway works based on criticality and Council's Road Management Plan.

1.6.2 What we cannot do

We currently allocate sufficient funding to sustain these services at the desired standard but need to manage the expectation to provide all new services being sought. Works and services that may not be provided under present funding levels are:

- New pathways (missing links) identified in the Principal Pathway Network Report in a ten-year period
- Upgrade of existing pathway assets as identified by various strategic corporate documents relevant to pathway services

1.6.3 Managing the Risks

Our present funding levels are sufficient to continue to manage risks in the medium term.

The main risk consequences if Council was unable to maintain funding levels are:

- Reduction in pathway service levels due to the overall funding shortfall from rate capping.
- Inadequate management of unsafe assets causing either an increasing likelihood of unexpected maintenance expenditure or asset failure resulting in service disruptions.
- Renewal of assets prior to reaching their desired intervention level due to a decline in asset functionality or utilisation.

We will endeavour to manage these risks within available funding by:

- Proactively inspecting our pathways and carrying out maintenance or other actions to ensure public safety is a priority.
- Continuing to implement the priorities from the Principal Pedestrian Network and monitoring its effectiveness.
- Incorporating design principles for pathways to ensure they are accessible to all.
- Implementing our strategies and frameworks to inform our pathway investment priorities.

1.7 Monitoring and Improvement Program

The next steps resulting from this AM Plan to improve asset management practices are:

- Continue to collect and refine pathway asset data suitable to inform strategic and operational analysis and decisions.
- Review condition assessment methodology to potentially include measuring pathway condition at discrete intervals (e.g. 10 metres).
- Review long term renewal funding demands using information collected from the next pathway condition survey. Formulate a strategy to address funding needs and update this Asset Management Plan.
- Review methodology used by Conquest to calculate overall asset condition stored in the pathway's asset register.
- Review current asset handover processes to ensure complete asset data capture and accurate asset capitalisation following the completion of capital works.
- Review current surveillance activities of works carried out by third parties and contractors to ensure it meets quality standards.
- Initiate a resourcing strategy for Council's in-house concrete team to ensure that it has the right balance of numbers and skills of staff to complete necessary activities. This should include attraction and retention of staff.

2.0 INTRODUCTION

2.1 Background

This AM Plan communicates the requirements for the sustainable delivery of services through management of assets, compliance with regulatory requirements, and required funding to provide the appropriate levels of service over the planning period.

Warrnambool City Council ('Council') is responsible for managing 382 km of pathways. These pathways include roadside pathways, boardwalks and paths within reserves and other public open spaces. These assets have a collective replacement value of $68.7 million. For a detailed summary of the assets covered in this AM Plan refer to Table 5.1.1 in Section 5.

This network has been developed over time and contributes to the community through providing safe, comfortable and accessible linkages for people to local destinations (e.g. shops, schools). The integrated network also promotes walking as a sustainable transport option and facilitates access to recreation, health and fitness opportunities.

The management of pathways requires prudent coordination of technical and operational resources.

This AM Plan outlines how Council will plan, develop, and maintain its pathways and associated assets to meet its service needs in an affordable way. It should be read alongside other key planning documents including:

- Warrnambool 2040
- Council Plan
- Asset Management Policy
- Asset Management Strategy
- Sustainable Transport Strategy
- Warrnambool Principal Pedestrian Network Report
- Open Space Strategy
- Municipal Road Management Plan
- Warrnambool City Centre Revitalisation Structure Plan
- Various Growth Area Structure Plans

Key stakeholders in the preparation and implementation of this AM Plan are shown in Table 2.1.

Table 2.1: Key Stakeholders in the AM Plan

Key Stakeholder	Role in Asset Management Plan
Councillors	Custodian of the asset, with Councillors representing the residents and setting strategic direction as per the Corporate and Operational Plans
Employees	Teams across Council who have strategic and operational lifecycle management responsibilities for the pathway network.
Pathway users	Community members who make use of the pathway network.
Business and Property Owners	Have a vested interest in the manner in which the pathway network is developed and managed.

Key Stakeholder	Role in Asset Management Plan
Contractors and other suppliers	To ensure provision of the required/agreed level of maintenance services for asset components.
Utility service providers	Agencies that manage utility services such as electricity, gas, water, sewerage, telecommunications within the road corridor.
Partners in other government departments	Periodic provision of advice, instruction, and support funding to assist with management of the local road system, including pathways.
Insurers	Insurance and risk management issues.

2.2 Goals and Objectives of Asset Ownership

Our goal for managing infrastructure assets is to meet the defined level of service (as amended from time to time) in the most cost-effective manner for present and future consumers. The key elements of infrastructure asset management are:

- Providing a defined level of service and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- Identifying, assessing and appropriately controlling risks, and
- Linking to a Long-Term Financial Plan which identifies required and affordable forecast costs and shows how funds will be allocated.

Key elements of the planning framework are

- Levels of service – specifies the services and levels of service to be provided,
- Risk Management – periodic identification, assessment and treatment of risks associated with providing services
- Future demand – how this will impact on future service delivery and how this is to be met,
- Lifecycle management – how to manage existing and future assets to provide defined levels of service,
- Financial summary – what funds are required to provide the defined services,
- Asset management practices – how we manage provision of the services,
- Monitoring – how the plan will be monitored to ensure objectives are met,
- Asset management improvement plan – how we increase asset management maturity.

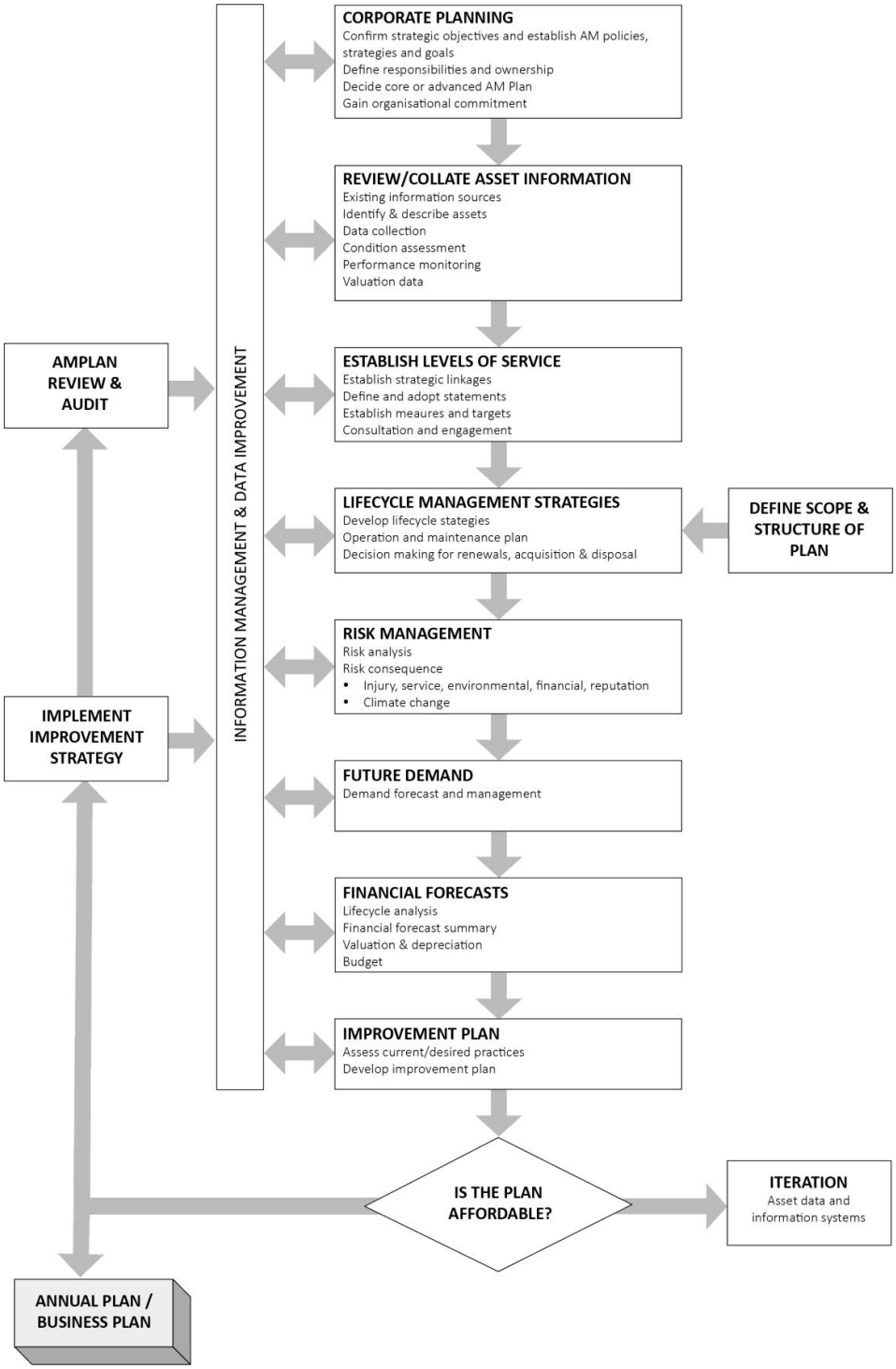
Other references to the benefits, fundamentals principles and objectives of asset management are:

- International Infrastructure Management Manual 2015 [1]
- ISO 55000[2]

A road map for preparing an AM Plan is shown below.

[1] Based on IPWEA 2015 IIMM, Sec 2.1.3, p 2| 13
[2] ISO 55000 Overview, principles and terminology

Road Map for preparing an Asset Management Plan
Source: IPWEA, 2006, IIMM, Fig 1.5.1, p 1.11



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3.0 LEVELS OF SERVICE

3.1 Customer Research and Expectations

This AM Plan is prepared to facilitate consultation prior to adoption of levels of service by Council. Future revisions of the AM Plan will incorporate customer consultation on service levels and costs of providing the service. This will assist the Council and stakeholders in matching the level of service required, service risks and consequences with the customer's ability and willingness to pay for the service.

Council participates in the annual Local Government Community Satisfaction Survey which is coordinated by the State Government on behalf of Victorian councils. This survey measures community views towards, and satisfaction with, the services delivered. The results from recent surveys are summarised in Table 3.1.

Table 3.1: Customer Satisfaction Survey Levels

Performance Measure	Warrnambool City Council		Regional Centres	Statewide Average
	2024	2023	2024	2024
Local streets and pathways	**56**	55	53	52

The overall performance index scores (100 represents excellent and 50 represents average performance) for pathway related services has shown a slight increase in satisfaction from the results in 2023, however, down on an index score of 62 in 2022.

The survey results identify that Council should focus on the condition of local streets and pathways. This area is low performing and has a moderate influence on the community's perception of Council's overall organisational performance.

3.2 Strategic and Corporate Goals

This AM Plan is prepared under the direction of Council's vision, mission, goals and objectives.

Our vision is:

A thriving city at the heart of coast and country.

Strategic goals have been set by Council. The relevant goals and objectives and how these are addressed in this AM Plan are summarised in Table 3.2.

Table 3.2: Goals and how these are addressed in this Plan

Goal	Objective	Actions
A Healthy Community	Council will improve the physical and social accessibility to community services, facilities, places and precincts	Where possible, and in accordance with current standards, deliver all-abilities access compliance as part of asset renewal projects.
A Strong Economy	Council will support initiatives that foster ongoing development and investment in the industries which underpin Warrnambool's economic strengths and comparative advantages.	Manage Development Plans and Developer Contributions Plans to meet infrastructure requirements of new areas

Goal	Objective	Actions
A Connected and Inclusive Place	Council will enhance Warrnambool's connectivity through the delivery of, or advocacy for, improvement to roads, public transport, pathways, trails and digital infrastructure.	Review Pathway Asset Management Plan and Warrnambool Principal Pedestrian Network Report to identify key gaps and opportunities for improvement.

3.3 Legislative Requirements

There are many legislative requirements relating to the management of assets. Legislative requirements that impact the delivery of the pathways service are outlined in Table 3.3.

Table 3.3: Legislative Requirements

Legislation	Requirement
Local Government Act 2020	Sets out the role, purpose, responsibilities and powers of Council including the preparation of a long-term financial plan supported by asset management plans for sustainable service delivery.
Road Management Act 2004 and associated Regulations and Codes of Practice	Establishes a coordinated management system for public roads that promotes safe and efficient State and local road networks. This also includes the responsible use of road reserves for other legitimate purposes (e.g. provision of utility services). Defines the responsible authorities for all roads within the state. It makes Council the controlling authority for Public Local Roads, Boundary Roads, and parts of Declared Roads within the municipal area.
Transport Act 1983	Relates to the operation of the road network
Road Safety Act 1986	Safety requirements relating to the use and operation of the road network.
Road Safety Regulations 2009	Sets out regulations for implementing the Road Safety Act
Occupational Health and Safety Act 2004	Applicable to working within the road reserve.
Disability Act 2006	Establishes a framework for providing support and services to people with disabilities throughout Victoria. Relevant for pathways.
Warrnambool City Council Local Law Number 2 - Community Amenity Local Law	Controls for vegetation overhanging pathways and sets out landholder responsibilities in relation to keeping pathways clear of obstructions including goods, signs, tables, and chairs

3.4 Current and Target Levels of Service

Current and target levels of service and associated performance measures are outlined in Table 3.4.

These are based on current statutory obligations, organisational goals, current accepted industry standards, and the historic interpretation of customer expectations of service levels.

Several performance indicators have been identified that will be beneficial to measuring Council's overall delivery of pathway related services in the future.

Council will work to implement the tools and processes and gather data required to monitor and report on these indicators over the life of this Asset Management Plan.

Table 3.4: Customer Values

Customer Value	Customer Outcome	Performance Measure	Current Performance	Goal Over Next 4 Years
Quality	People are happy with the standard of roads and pathways.	Annual Customer Satisfaction Survey – Local Streets and Pathways.	56	Improve
	Pathways are well cared for.	Percentage of pathway assets in 'Fair' condition or better.	84%	Improve
		The number of square metres of pathway renewed annually.	Future measure	Future measure
Safety	Pathways are managed to make sure they are safe.	Percentage of 'Defect Inspections' completed on time annually per Council's Road Management Plan.	99%[3]	Maintain
		Percentage of defects responded to within nominated response times annually per Council's Road Management Plan.	87%[4]	Improve
		Number of customer requests received relating to Council's pathway network annually.	207[5]	Reduce
Accessibility	People are able to easily move around the city.	Length of constructed pathways in Council's Principal Pedestrian Network.	Future measure	Future measure

It is important to monitor the service levels regularly as circumstances can and do change. Current performance is based on existing resource provision and work efficiencies. It is acknowledged that changing circumstances such as technology and customer priorities will evolve and influence service provision and standards over time.

[3] Inspections completed within a 14-day window from due date
[4] Includes RMP hole or gap >40mm, defective with a step >30mm, missing or substantially damaged drainage lids, grates in pedestrian or traffic lanes.
[5] Rolling 3-year average 2022-24

4.0 FUTURE DEMAND

4.1 Demand Drivers

Drivers affecting demand include things such as population change, regulations, changes in demographics, seasonal factors, vehicle ownership rates, consumer preferences and expectations, technological changes, economic factors, agricultural practices, environmental awareness, etc.

4.2 Demand Forecasts

The present position and projections for demand drivers that may impact future service delivery and use of assets have been identified and documented.

4.3 Demand Impact and Demand Management Plan

The impact of demand drivers that may affect future service delivery and use of assets are shown in Table 4.3.

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets. Demand management practices can include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 4.3. Further opportunities will be developed in future revisions of this AM Plan.

Table 4.3: Demand Management Plan

Demand Drivers	Present Position	Projection	Impact	Management Plan
Population Change	Population growth is a key driver of demand for transport assets and infrastructure. Warrnambool City Estimated Resident Population for 2023 is 35,907.[6]	Council is planning for a population of 50,000 by 2040[7].	▪ Future population growth will generate additional demand for transport infrastructure, including pathways.	▪ Continue to implement the recommendations and projects from Council's strategies and plans such as the Warrnambool Principal Pedestrian Network Report and Sustainable Transport Strategy.
Demographic Change	The largest changes in the age structure between 2016 and 2021 were in the age groups: ▪ Young workers, (25 to 34) (+448 people) ▪ Empty nesters and retirees (60-69) (+494) ▪ Seniors (70 to 84) (+815)	It is expected that current demographic trends will continue in the future with general ageing of the population.	▪ Changes in the age characteristics and number of the City's residents will increase demand for accessible transport options. ▪ Accessibility to key precincts, facilities and activity areas will increasingly become a key focus.	▪ Functional criteria to be enhanced to assess quality of existing pathway network and provision. ▪ Upgrade and new assets designed and constructed to meet current standards. ▪ Universal design and inclusiveness principles included in the design and construction of transport infrastructure.
Increased health awareness	Residents are increasingly aware of the health benefits of walking or jogging	It is expected that current trends will continue.	Pedestrian facilities will need to be reviewed and enhanced so that a safe and continuous network of pathways are provided to support active transport and recreation.	▪ Continue to implement the recommendations and projects from Council's strategies and plans such as the Warrnambool Principal Pedestrian Network Report and Sustainable Transport Strategy.

[6] Source - https://profile.id.com.au/warrnambool
[7] Source - https://www.warrnambool.vic.gov.au/warrnambool-economic-data#Population%20Data

Demand Drivers	Present Position	Projection	Impact	Management Plan
Increasing Dwelling Density	The Warrnambool City-Wide Housing Strategy forecasts that housing densities should be expected to increase in many parts of Warrnambool.	Increased density is expected to continue across the city.	Areas of increased housing density can be expected to have increased volumes of use on the Councils road and pathway networks.	▪ Monitor population and pedestrian count data in developing areas alongside continuing to develop works programs with consideration of zonal requirements. ▪ Use the Housing Diversity Strategy (in development) to assist in the prioritisation and zoning of future pathways.
City Growth and Development	Growth precincts outlined in Council structure plans	Additional infrastructure required for new developments	New pathway assets will be acquired by way of developer contributions. This will result in a need to increase current maintenance budgets from existing levels to meet service objectives.	▪ The construction of and planning for growth area pathway and shared path infrastructure is managed through strategic and statutory planning process. ▪ Ensure that delivery teams are informed on handover, and requisite increases are made to annual maintenance budget allocations.
Ageing Infrastructure	A large proportion of Council's pathway network was developed and constructed many years ago.	Council has a legacy whereby pathway assets, based on their age profile, will require renewal or rehabilitation in the near term to maintain basic service levels.	Without adequate funding the declining condition of Council's pathways due to age will result in reduced levels of service and increased risk by putting pressure on the ability to meet RMP compliance requirements.	▪ Continue to monitor the performance and condition of pathways through ongoing inspection programs. ▪ Prepare long term asset maintenance and renewal programs according to priorities and funding availability.

Demand Drivers	Present Position	Projection	Impact	Management Plan
Changing Design Standards	Pathways provided, constructed, and maintained according to current standards.	Further improvements to design standards to accommodate accessibility and safety improvements.	▪ Potential for increased costs to meet more rigorous standards	▪ Ensure design guidelines which consider future demand factors and good design principles.
Climate Change	Australia's current climates are variable and prone to extremes - droughts, heatwaves, fires, intense rainfall, and floods. These extremes can have a significant impact on communities, natural environments, and regional economies.	Highly variable climate and increased frequency and intensity of extreme rainfall and storm events.	▪ Accelerated degradation of and reduced road and pathway life expectancy. ▪ Increased likelihood of natural disasters. ▪ Increased lifecycle costs.	▪ Make sure assets are planned and developed to incorporate climate resiliency and consider the potential impacts of future climate variability. ▪ Follow sustainable procurement practices while also considering supply chain impacts. ▪ Minimise waste from construction and renovation of assets through material reuse and recycling.
Council Financial Sustainability	Council is required to provide its projects, programs, and services within an environment of constrained revenue control resulting from rate capping.	Rate capping has the potential to affect effective asset management if sufficient funds are unable to be secured to manage existing assets to agreed levels of service or to provide new or upgraded transport assets desired by the community	Council will be faced with challenges with respect to the future provision of transport infrastructure, including: - Achieving equitable distribution of resources and the provision of transport networks and assets. - Making sure that the community receives maximum benefit from the investment in transport infrastructure.	▪ Prepare long term transport asset maintenance and renewal programs according to priorities and funding availability. ▪ Conduct level of service analysis across all transport asset types and review affordability and risks. ▪ Ensure that the Financial Plan and Asset Plan are integrated and reflect future asset whole of life costs and account for any expected climate change impacts.

4.4 Asset Programs to meet Demand

The new assets required to meet demand may be acquired, donated or constructed. Additional assets are discussed in Section 5.6.

Warrnambool City Council is presently experiencing a period of rapid growth. Demand for provision of accessible and quality pathways will continue to be a significant challenge for Council. The new assets required to meet demand may be acquired, donated, or constructed by Council.

Council has many strategies and policies that provide the means to continually assess future needs and to identify opportunities to enhance or upgrade the pathway network to meet growth and changes in demand. This also includes Council's current Development Contributions Plan which is used as a mechanism to fund growth related projects.

Acquiring new assets will commit Council to ongoing operations, maintenance and renewal costs for the period that the service provided from the assets is required. These future costs are identified and considered in developing forecasts of future operations, maintenance and renewal costs for inclusion in the long-term financial plan (Refer to Section 5).

4.5 Climate Change Adaptation

The impacts of climate change may have a significant impact on the assets we manage and the services they provide. In the context of the Asset Management Planning process, climate change can be considered as both a future demand and a risk.

How climate change impacts on assets will vary depending on the location and the type of services provided, as will the way in which we respond and manage those impacts.[8]

As a minimum we consider how to manage our existing assets given potential climate change impacts for our region.

Risk and opportunities identified to date are shown in Table 4.5.1

[8] IPWEA Practice Note 12.1 Climate Change Impacts on the Useful Life of Infrastructure

Table 4.5.1 Managing the Impact of Climate Change on Assets and Services

Climate Change Indicator	Potential Impact on Assets and Services	Management Actions
Heatwaves	▪ Thermal expansion causing melting and cracking of materials used in roads and pathways.	▪ Use climate risk modelling to identify when and where road assets are most likely to be exposed to heat stress. ▪ Initiate increased inspection frequency of assets in high risk /use areas. ▪ Repair cracking and remediate assets to allow for more thermal expansion at identified stress points. ▪ Identifying and prioritise assets based on use hierarchy. ▪ Increase use of trees for shading along pathways/cycle paths/shared pathways.
Extreme rainfall	▪ Accelerated degradation of road infrastructure, reduced life expectancy, increased lifecycle costs and road safety being compromised. ▪ Scouring of road surface and road shoulder/verge, more potholes. ▪ Accelerated material degradation.	▪ Identify when and where assets are most likely to be exposed to increased frequency and intensity of riverine and pluvial flooding through asset risk modelling. ▪ Undertake flood mapping of road levels to identify hot spots that occur on key routes needed for deploying Municipal Emergency Management Plan. ▪ Reactive and proactive maintenance – to identify and initiate repairs where needed to maintain/improve asset integrity now. ▪ Plan for alternative routes and easy deployment of signage advising on safe routes or other safety measures (e.g. lower speed in conditions of flooding, flood water height, etc.), integrate planning to the Municipal Emergency Management Planning. ▪ Assess the condition of key road and pathway infrastructure, following a flooding or storm event and undertake any remedial works deemed necessary. ▪ Factor future flooding impacts into design and maintenance programs via Council flood mapping.
Drought	▪ Drier conditions resulting in cracking and deterioration.	▪ Plan for additional maintenance requirements and costs as a result of the impacts of drier conditions across network (increased degradation) and input forecasts into possible climate resilience fund. ▪ Increase use of native hardy trees for shading along pathways/cycle paths/shared pathways. Ensure species selection does not create a hazard for cyclists and pedestrians i.e., limp dropping)

Climate Change Indicator	Potential Impact on Assets and Services	Management Actions
Extreme wind	▪ Trees and debris falling on to pathways and road surfaces, blocking routes and causing injury or damage to vehicles.	▪ Identify when and where assets are most likely to be exposed to increased frequency and intensity of extreme wind through asset risk modelling. ▪ Where possible initiate ongoing management of vegetation to reduce risk of trees and debris impact through the identification of most appropriate species to reduce risk of dropping limbs and creating hazards for transport networks.
Higher Carbon Emissions	▪ Legislative need to reduce emissions.	▪ Use low embodied energy materials for road and footpath repairs. ▪ Adopt circular economy principles where appropriate, in the management and rehabilitation of road, bike-path and pathway related infrastructure. ▪ Continue to use renewable energy for all public lighting and purchase green power and other renewable energy sources for lighting.

Additionally, the way in which we construct new assets should recognise that there is opportunity to build in resilience to climate change impacts. Building resilience can have the following benefits:

- Assets will withstand the impacts of climate change;
- Services can be sustained; and
- Assets that can endure may potentially lower the lifecycle cost and reduce their carbon footprint

Table 4.5.2 summarises some asset climate change resilience opportunities.

Table 4.5.2 Building Asset Resilience to Climate Change

New Asset Description	Climate Change Risk Event	Transport Asset Resilience Opportunities
Bike paths and shared paths	Reduced carbon emissions	▪ In accordance with the identified goals and targets in the Warrnambool Principal Pedestrian Network Report, establish more shared use paths for non-motorised local transportation to increase use of sustainable transport modes and minimise impact on environment. ▪ Adopt circular economy principles where appropriate, in the planning of bike path, shared paths and pathway related infrastructure and target net zero scope 3 emissions.
Public lighting	Reduced carbon emissions	▪ Only use either LED or solar LED public lighting and continue to purchase green power and other renewable energy sources for lighting.

The impact of climate change on assets is a new and complex discussion and further opportunities will be developed in future revisions of this AM Plan.

5.0 LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the Council plans to manage and operate the assets at the agreed levels of service (Refer to Section 3) while managing life cycle costs.

5.1 Background Data

5.1.1 Physical parameters

The assets covered by this AM Plan are shown in Table 5.1.1.

Council's pathways provide a connected and integrated network that allows for the safe movement of pedestrians, cyclists, and other users around the municipality.

In general, Council's pathway network comprises the following elements:

- Roadside pathways.
- Walking paths located in parks and reserves.
- Pedestrian structures including timber boardwalks.

Table 5.1.1: Assets covered by this Plan

Asset Type	Quantity	Unit	Replacement Cost ($)	Written Down Value ($)	Useful Life (Years)
Concrete	334,177	metres	59,037,903	38,245,056	50-80
Spray Seal	16,733	metres	1,746,265	549,321	20
Asphalt	1,512	metres	622,684	529,517	30
Gravel	21,365	metres	1,608,148	575,878	15
Other	8,536	metres	5,688,234	3,893,500	20-65
Total	**382,323**		**68,703,234**	**43,793,272**	

All figure values are shown in current day dollars.

5.1.2 Asset capacity and performance

Assets are generally provided to meet design standards where these are available. However, there is insufficient resources to address all known deficiencies. Locations where deficiencies in service performance are known are detailed in Table 5.1.2.

Table 5.1.2: Known Service Performance Deficiencies

Location	Service Deficiency
Network connectivity	A complete pathway network has not been established in some areas with gaps in connectivity or pathways only being provided on one side of streets.
Network accessibility	Pram ramps that are non-compliant with DDA standards still exist across the Council area.
Quality control	Concrete pathways have had many different aggregate mixtures and minimal areas where reinforcement was included as part of construction. This can in some newer paths needing to be renewed before what would be expected of a 'normal' life expectancy. Even some of the 'new developments' gifted to Council have path defects identified that require replacement under RMP standards.

The above service deficiencies were identified by asset stakeholders

5.1.3 Asset condition

Council completes network wide condition assessments on a scheduled basis, typically every four years. The last audit of pathways was completed in 2022 with the use of all-terrain vehicles equipped with cameras. Condition data for pathways is recorded in Council's asset register and is used for maintenance, renewal modelling, capital works planning, and financial reporting.

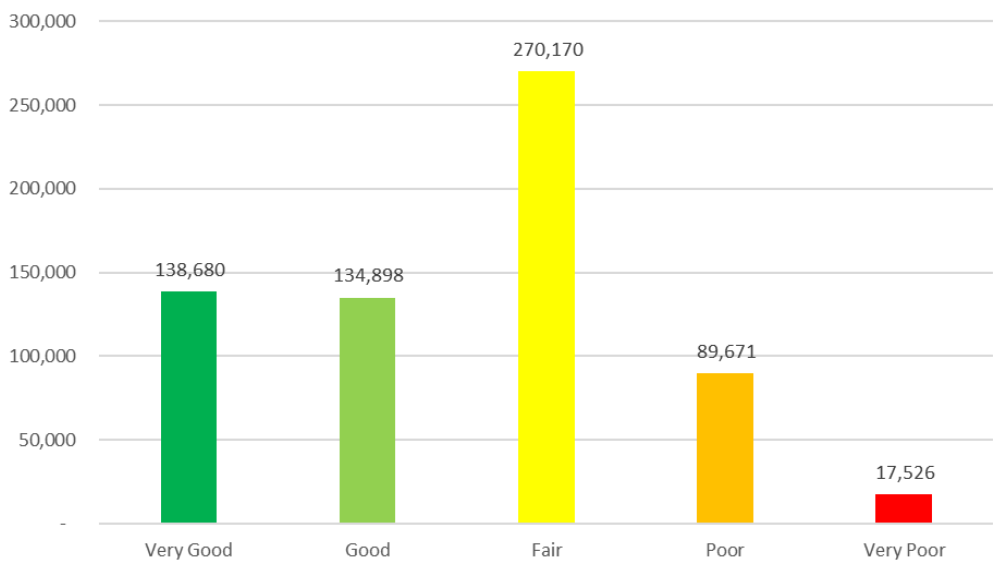
Condition is measured using a 1 – 5 grading system[9] as detailed in Table 5.1.3. It is important that a consistent approach is used in reporting asset performance enabling effective decision support. A finer grading system may be used at a more specific level, however, for reporting in the AM plan results are translated to a 1 – 5 grading scale for ease of communication.

Table 5.1.3: Condition Grading System

Score	Condition Rating	Description of Condition
1	Very Good	Free of defects, only planned and/or routine maintenance required
2	Good	Minor defects, increasing maintenance required plus planned maintenance
3	Fair	Defects requiring regular and/or significant maintenance to reinstate service
4	Poor	Significant defects, higher order cost intervention likely
5	Very Poor	Physically unsound and/or beyond rehabilitation, immediate action required

The condition profile of our assets is shown in Figure 5.1.3.

Figure 5.1.3: Asset Condition Profile by Area



[9] IPWEA, 2015, IIMM, Sec 2.5.4, p 2|80.

According to Council's current data, approximately 84% of Council's pathways are in 'Fair' condition or better. Pathways in 'Poor' or worse condition are prioritised for full or partial renewal in Council's ongoing Footpath Renewal Program as funding allows.

Pathways are inspected regularly, and defects are addressed in accordance with Council's Road Management Plan. The small percentage of pathway sections in poor condition will be programmed for renewal/replacement within Council's capital works programs as funding allows.

The condition of Council's pathways is recorded at overall segment level (e.g. from one intersecting road to another). To help plan renewal works, it is suggested that condition also be recorded and stored at more discrete intervals (e.g., every 10 metres). This type of information can be used by Council officers who are responsible for programming pathway replacement to better target areas of need and reduce the burden of conducting field inspections to confirm the scope of works.

The percentage of pathways in 'Very Good' condition is a function of Council's investment in asset renewal and network improvements and contributed pathway assets received from developers because of sub-divisions in growth areas.

5.2 Operations and Maintenance Plan

Operational activities can include service delivery items such as removal of debris, pathway sweeping and cleaning, and vegetation control. Operations also includes proactive and reactive inspections. These inspections are completed by Council Officers or specialist contractors in some cases. Operations activities do not improve the condition of assets.

Over time, minor defects can occur within the pathway network. Council addresses repairs and maintenance of these defects (e.g. surface irregularities such as displacements) in accordance with defined intervention levels and response times outlined in the Road Management Plan. The intervention levels define the point in time at which the asset is considered no longer functioning at an acceptable service level. Maintenance is scheduled once the asset has reached this point to coincide with nominated response times.

Response time defines the time frame within which the community can expect remediation of the defect. Council's intervention levels and response times for pathway assets is documented in Council's Road Management Plan.

Council's Road Management Plan is a key technical document that sets clear standards and its commitment to managing local roads and pathways. The Plan identifies responsibilities, maintenance standards and inspection regimes for all road assets within Council's control.

Pathway maintenance and renewal works are undertaken by a combination of Council's own labour resources and external contractors. The current profile of Council's concreting team is ageing, and succession planning and a recruitment strategy is required to attract new staff to complete labour-intensive tasks.

Further to this, the scale of Council's own resources for this type of work also needs review so that emphasis can be placed on the in-house concrete team completing as much renewal and maintenance work to better control standards of work. This is a challenge as the current team resources find it difficult to complete additional works other than addressing pathway defects that are identified and require response.

5.2.1 Asset hierarchy

An asset hierarchy provides a framework for structuring data in an information system to assist in collection of data, reporting information and making decisions. The hierarchy includes the asset class and component used for asset planning and financial reporting and service level hierarchy used for service planning and delivery.

The service hierarchy is shown is Table 5.2.1.

Table 5.2.1: Asset Service Hierarchy

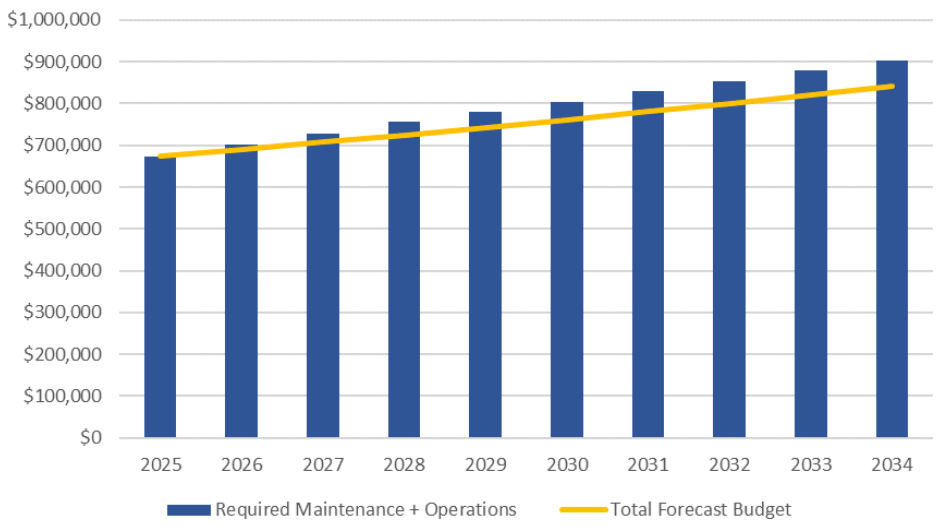
Classification	Importance	Functional Definition
Category 1	Higher	CBD and those pathways within the vicinity of schools, hospitals, and aged care facilities.
Category 2		Selected medium use pathways in prominent areas other than described above.
Category 3	Lower	Pathways in residential, commercial, and industrial areas other than as described above.

5.3 Summary of forecast operations and maintenance costs

Forecast operations and maintenance costs are expected to vary in relation to the total value of the asset stock. If additional assets are acquired, the future operations and maintenance costs are forecast to increase. If assets are disposed of the forecast operation and maintenance costs are expected to decrease.

Figure 5.3 shows the forecast operations and maintenance costs relative to the proposed operations and maintenance Planned Budget.

Figure 5.3: Operations and Maintenance Summary



All figure values are shown in current day dollars.

The increase in maintenance and operations requirements is indicative of the increasing asset base resulting from development growth and Council's current strategy to enhance the connectivity of its pathway network through the construction of new and upgraded pathways.

While it is predicted that Council will have a small shortfall in maintenance funding, the investment trend follows the forecast expenditure requirement over the next 10 years.

Council should monitor future maintenance and operations allocations to ensure that they are sufficient to meet current service levels which achieve compliance with Council's Road Management Plan.

5.4 Renewal Plan

Renewal is major capital work which does not significantly alter the original service provided by the asset, but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is considered to be an acquisition resulting in additional future operations and maintenance costs.

Assets that need replacing are identified through analysis of asset information, site knowledge, inspections, and community feedback.

Pathway renewal and replacement strategies are based on the most current asset condition available at the time of developing Council's forward works programs.

5.4.1 Renewal ranking criteria

Asset renewal is typically undertaken to either:

- Ensure the reliability of the existing infrastructure to deliver the service it was constructed to facilitate, or
- To ensure the infrastructure is of sufficient quality to meet the service requirements.[10]

It is possible to prioritise renewals by identifying assets or asset groups that:

- Have a high consequence of failure,
- Have high use and subsequent impact on users would be significant,
- Have higher than expected operational or maintenance costs, and
- Have potential to reduce life cycle costs by replacement with a modern equivalent asset that would provide the equivalent service.[11]

The ranking criteria used to determine priority of identified renewal proposals is detailed in Table 5.4.1.

Table 5.4.1: Renewal Priority Ranking Criteria

Criteria	Weighting
Condition	50%
Location (i.e. functional hierarchy)	50%

Council's Infrastructure renewal demand forecasts are developed using predictive modelling. These forecasts are annually reviewed and updated as new information (e.g. condition assessments) becomes available.

These forecasts and the underlying assumptions are further reviewed to factor in specific projects and any upgrade projects that include a renewal component to provide the best available guide to renewal requirements.

The process used for formulation of the schedule of pathway renewal works submitted for budget consideration is as follows:

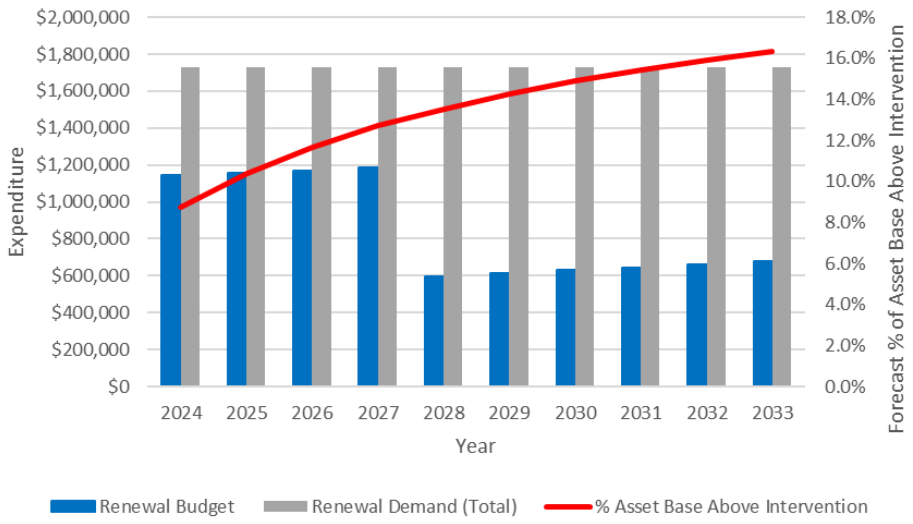
[10] IPWEA, 2015, IIMM, Sec 3.4.4, p 3|91.
[11] Based on IPWEA, 2015, IIMM, Sec 3.4.5, p 3|97.

- Condition information from Council's asset management information system is used to prepare a preliminary priority listing of pathways that may require renewal.
- This list is forwarded to the Project Management Office to validate the priority list by field inspection and to define the scope of work required to match available budgets. This includes consideration of additional areas that may not have been highlighted
- The final schedule of works forms the annual pathway renewal program.

5.5 Summary of future renewal costs

Forecast renewal costs are projected to increase over time if the asset stock increases. The forecast costs associated with renewals are shown relative to the proposed renewal budget in Figure 5.5.

Figure 5.5: Forecast Renewal Costs



All figure values are shown in current day dollars.

The forecast of Council's long term asset renewal liabilities indicates that it is projected to under fund the replacement of its pathways over the long term.

Over the next 10 years, the predicted average annual renewal demand for Council's pathways is approximately $1.73 million. According to Council's current long term capital works program, it is projected to allocate $848K on average per year for the renewal of these assets. This indicates that there is an average renewal funding gap of approximately $883K per annum.

The above expenditure forecasts include an allocation of $600K annually over the next 4 years for the renewal of pathways in CBD areas. This investment is important for uplifting the condition of pathways that is representative of a standard suitable for high profile and high use areas.

It will be important that Council considers increasing the funding amounts which are allocated to the renewal of its pathways. Alongside this, Council will need to continue to regularly conduct maintenance and condition inspections of its pathways to make sure that available funding is directed to areas of priority.

5.6 Acquisition Plan

Acquisition are new assets that did not previously exist or works which will upgrade or improve an existing asset beyond its existing capacity. They may result from growth, demand, social or environmental needs.

Assets may also be acquired from land developments and constructed by private developers who then gift these assets to Council.

5.6.1 Selection criteria

Proposed acquisition of new assets, and upgrade of existing assets, are identified from various sources such as community requests, proposals identified by strategic plans or partnerships with others.

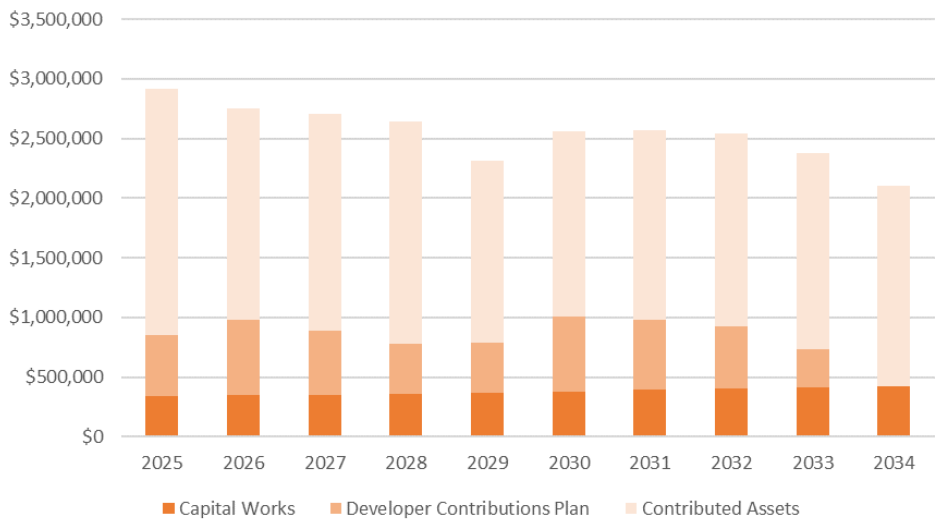
The main strategy used to inform improvements across Council's pathway network is via the Principal Pedestrian Network Report (PPN) which will be reviewed on a scheduled basis. The PPN is a strategic network of pedestrian routes to promote walking for transport. The aim is to provide routes within the PPN with the highest level of priority for pedestrians and having characteristics such as generous paths, shade and weather protection, seating, and priority over other transport modes at intersections.

Candidate projects are ranked utilising Council's capital works evaluation processes and scheduled in future works programs depending on available funding.

5.7 Summary of future asset acquisition costs

Forecast acquisition asset costs are summarised in Figure 5.7 and shown relative to the proposed acquisition budget.

Figure 5.7: Acquisition Summary



All figure values are shown in current day dollars.

Funding of new and upgrade works fall into the following categories depending upon the extent and type of works:

- Council funded.
- Externally funded.
- Contributed assets resulting from property development.
- Works funded through Council's Development Contributions Plan (DCP). This can be DCP Reserves or works in kind. In some cases, a cash contribution from Council is also required.

Expenditure on new assets and services in the capital works program will be accommodated in the long-term financial plan, but only to the extent that there is available funding. When Council commits to new assets, it must be prepared to fund future operations, maintenance and renewal costs. They must also account for future depreciation when reviewing long term sustainability. When reviewing the long-term impacts of asset acquisition, it is useful to consider the cumulative value of the acquired assets being taken on by the Entity.

5.8 Disposal Plan

Disposal includes any activity associated with the disposal of a decommissioned asset including sale, demolition or relocation. Pathway assets are rarely, if ever, disposed.

Council currently has no immediate or current strategic direction to retire or dispose of any assets related of the local pathway network.

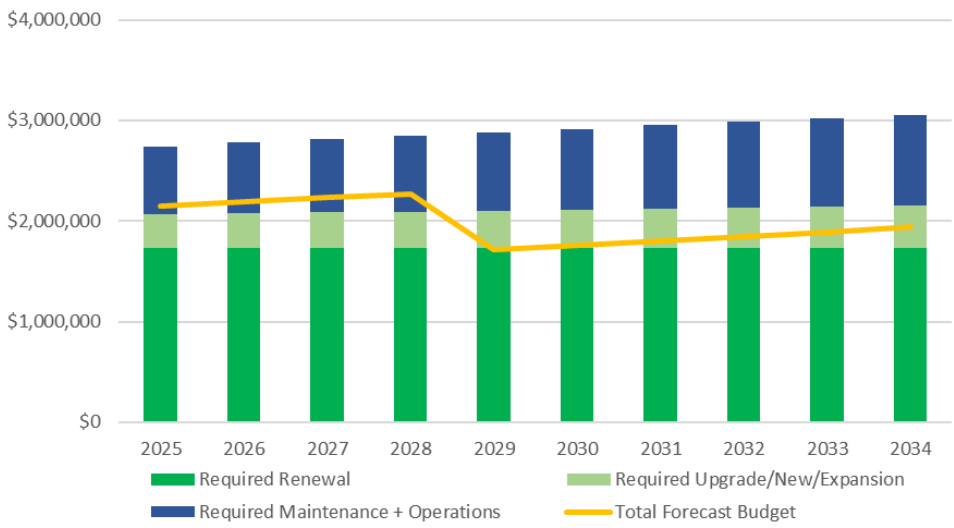
In practice, decisions may be made to decommission lengths of pathways in cases where they no longer meet Council's service standards and there is little evidence of ongoing use by the public.

5.9 Summary of asset forecast costs

The financial projections from this Asset Management Plan are shown in Figure 5.9. These projections include forecast costs for acquisition, operation, maintenance, renewal, and disposal. These forecast costs are shown relative to the proposed budget.

The bars in the graphs represent the forecast costs needed to minimise the life cycle costs associated with the service provision. The proposed budget line indicates the estimate of available funding. The gap between the forecast work and the proposed budget is the basis of the discussion on achieving balance between costs, levels of service and risk to achieve the best value outcome.

Figure 5.9: Lifecycle Summary



All figure values are shown in current day dollars.

The analysis completed for this Pathways Asset Management Plan indicates that there will be a funding shortfall over the next 10 years. As a result, Council will look to undertake more strategic work, including further inspections to understand the condition of the network, prior to making key decisions on future funding requirements.

Council's funding plan for pathways will be continually reviewed as new information becomes available on growth, demand, service levels, and asset performance. Updates to future funding needs will inform Council's financial planning instruments and updates of this Asset Management Plan.

6.0 RISK MANAGEMENT PLANNING

The purpose of infrastructure risk management is to document the findings and recommendations resulting from the periodic identification, assessment and treatment of risks associated with providing services from infrastructure, using the fundamentals of International Standard ISO 31000:2018 Risk management – Principles and guidelines.

Risk Management is defined in ISO 31000:2018 as: 'coordinated activities to direct and control with regard to risk'[12].

An assessment of risks[13] associated with service delivery will identify risks that will result in loss or reduction in service, personal injury, environmental impacts, a 'financial shock', reputational impacts, or other consequences. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, and the consequences should the event occur. The risk assessment should also include the development of a risk rating, evaluation of the risks and development of a risk treatment plan for those risks that are deemed to be non-acceptable.

6.1 Critical Assets

Critical assets are defined as those which have a high consequence of failure or a reduction in service.

Council uses its functional hierarchy to guide planning and activities for pathways, where higher class paths are prioritised over lower class pathways.

This enables Council to allocate its finite resources through targeted maintenance efforts which then informs Council's capital expenditure plans.

Higher quality standards and quicker response times are given to assets of higher importance. Such prioritisation is an essential part of managing risk and providing the expected levels of service.

6.2 Risk Assessment

The risk management process used is shown in Figure 6.2 below.

It is an analysis and problem-solving technique designed to provide a logical process for the selection of treatment plans and management actions to protect the community against unacceptable risks.

The process is based on the fundamentals of International Standard ISO 31000:2018.

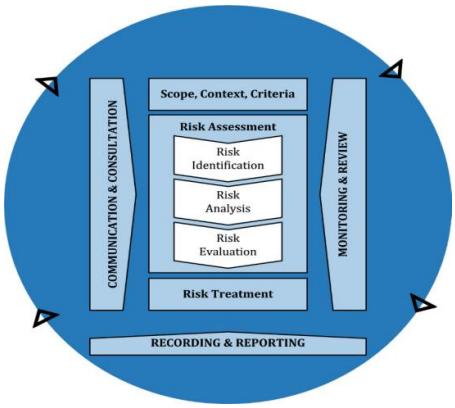


Fig 6.2 Risk Management Process – Abridged
Source: ISO 31000:2018, Figure 1, p9

[12] ISO 31000:2009, p 2
[13] REPLACE with Reference to the Corporate or Infrastructure Risk Management Plan as the footnote

An assessment of risks associated with service delivery from infrastructure assets identifies the most critical risks. The risk assessment process also helps Council to identify and assess credible risks, assign a risk rating, and develop risk mitigation plans for non-acceptable risks.

An assessment of risks associated with service delivery has identified risks that will result in public disruption, personal injury, a 'financial shock' or reputational impacts. These risks are presented in Appendix A. The residual risk of implementing the selected treatment plan/control is also shown. Note that the residual risk is the risk remaining after the selected risk treatment plan is implemented.

6.3 Infrastructure Resilience Approach

The resilience of our critical infrastructure is vital to the ongoing provision of services to customers. To adapt to changing conditions we need to understand our capacity to 'withstand a given level of stress or demand', and to respond to possible disruptions to ensure continuity of service.

Resilience recovery planning, financial capacity, climate change risk assessment and crisis leadership.

We do not currently measure our resilience in service delivery. Measures of resilience will be developed in future updates of this AM Plan.

6.4 Service and Risk Trade-Offs

The decisions made in adopting this AM Plan are based on the objective to achieve the optimum benefits from the available resources.

6.4.1 What we cannot do

There are some operations and maintenance activities and capital projects that are unable to be undertaken within the next 10 years. These include:

- Provide a fully compliant road infrastructure network to meet the safety, functionality and capacity requirements of the Infrastructure Design Manual standards.
- We cannot expand the current pathway network without consideration of lifecycle cost and financial sustainability
- Address and mitigate all impacts of climate change on pathways

6.4.2 Service trade-off

If there is forecast work (operations, maintenance, renewal, acquisition or disposal) that cannot be undertaken due to available resources, then this will result in service consequences for users. These service consequences include:

- Delayed renewal and replacement of existing road infrastructure assets
- Reduced pathway quality from deferred maintenance and renewal activities
- Reduced safety to users of pathways
- Increased maintenance costs due to unfunded preventative practices
- Deferred delivery of new and upgraded road infrastructure

6.4.3 Risk trade-off

The operations and maintenance activities and capital projects that cannot be undertaken may sustain or create risk consequences. These risk consequences include:

- Failure to comply with Council's Road Management Plan and exposure to public liability claims.
- Risk of causing harm to pedestrians from poor quality pathways (e.g. trip and falls, etc.).
- Lack of connectivity and accessibility across pathway network.

These actions and expenditures are considered and included in the forecast costs, and where developed, the Risk Management Plan.

7.0 FINANCIAL SUMMARY

This section contains the financial requirements resulting from the information presented in the previous sections of this AM Plan. The financial projections will be improved as the discussion on desired levels of service and asset performance matures.

7.1 Financial Sustainability and Projections

7.1.1 Sustainability of service delivery

There are two key indicators of sustainable service delivery that are considered in the AM Plan for this service area. The two indicators are the:

- Asset Renewal Funding Ratio (proposed renewal budget for the next 10 years / proposed renewal outlays for the next 10 years shown in the AM Plan), and
- Lifecycle Funding Ratio (proposed lifecycle budget for the next 10 years / proposed lifecycle outlays for the next 10 years shown in the AM Plan).
-

Asset Renewal Funding Ratio

Asset Renewal Funding Ratio[14]: **49%**

The Asset Renewal Funding Ratio is an important indicator and illustrates that over the next 10 years Council expects to have **49%** of the funds required for the optimal renewal of assets.

Lifecycle Funding Ratio – 10-year financial planning period

This AM Plan identifies the forecast operations, maintenance and renewal costs required to provide an agreed, and affordable level of service to the community over a 10-year period. This provides input into 10 year financial and funding plans aimed at providing the required services in a sustainable manner.

This forecast work can be compared to the proposed budget over the first 10 years of the planning period to identify any funding shortfall.

The forecast operations, maintenance and renewal costs over the 10-year planning period is $2.52 million on average per year.

The proposed (budget) operations, maintenance and renewal funding is $1.6 million on average per year. This indicates that 0.64 of the forecast costs needed to provide the services documented in this AM Plan are accommodated in the proposed budget. Note, these calculations exclude acquired assets.

Providing sustainable services from infrastructure requires the management of service levels, risks, forecast outlays and financing to achieve a financial indicator of approximately 1.0 for the first years of the AM Plan and ideally over the 10-year life of the Long-Term Financial Plan.

7.1.2 Forecast Costs (outlays) for the long-term financial plan

Appendix C shows the proposed 10-year funding plan for Council's pathways to inform the long-term financial plan.

[14] AIFMM, 2015, Version 1.0, Financial Sustainability Indicator 3, Sec 2.6, p 9.

7.2 Funding Strategy

The proposed funding for assets is outlined in Council's annual budget and Long-Term financial plan.

Council's financial strategy determines how funding will be provided, whereas the Asset Management Plan communicates how and when this will be spent, along with the service and risk consequences of various service alternatives.

7.2.1 Funding Sources

Funding for assets is provided from Council's annual budget and Financial Plan. The financial strategy determines how funding will be provided, whereas the Asset Management Plan communicates how and when this will be spent, along with the service and risk consequences of differing options.

Council uses several different funding sources to maintain, renew and improve its pathways. These are:

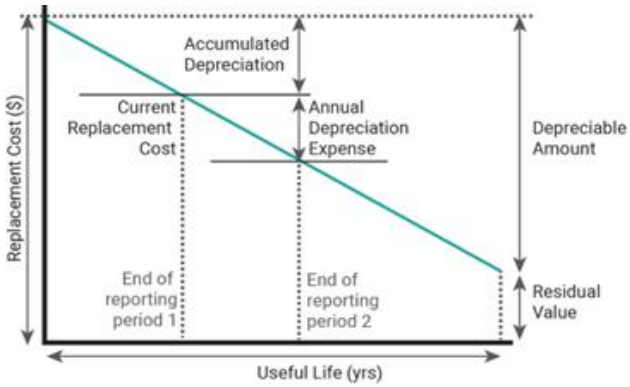
Table 7.2.1: Funding Sources

Activity	Funding Source
Maintenance and Operations	▪ Council's own source funds.
Renewal	▪ Council's own source funds.
Capital Improvement (i.e., new, upgrade, and expansion	▪ Council's own source funds. ▪ Council's available cash reserves. ▪ External grant opportunities. ▪ Special Charge Schemes. ▪ Developer contributions and donated assets.

7.3 Valuation Forecasts

7.3.1 Asset valuations

The best available estimate of the value of assets included in this AM Plan are shown below.



Assets are valued at fair value at cost to replace service capacity:

Replacement Cost (Gross)	$ 68,703,234
Depreciable Amount	$ 68,703,234
Depreciated Replacement Cost[15]	$ 43,793,272
Annual Depreciation Expense	$ 1,996,369

[15] Also reported as Written Down Value, Carrying Amount or Net Book Value in some jurisdictions.

7.3.2 Valuation forecast

Asset values are forecast to increase as additional assets are added.

Additional assets will generally add to the operations and maintenance needs in the longer term. Additional assets will also require additional costs due to future renewals. Any additional assets will also add to future depreciation forecasts.

7.4 Key Assumptions Made in Financial Forecasts

In compiling this AM Plan, it was necessary to make some assumptions. This section details the key assumptions made in the development of this AM plan and should provide readers with an understanding of the level of confidence in the data behind the financial forecasts.

Key assumptions made in this AM Plan are:

- All expenditure is stated in dollar values as of 1 July 2024 with no allowance made for inflation over the 10-year planning period.
- Operations and maintenance expenditure are based on the current 2024/25 budget allocations and includes forecast annual increases for materials and services and employee costs (2.5 per cent annually).
- Annual network growth resulting from contributed assets from developers is estimated to be:

2026	2027	2028	2029	2030	2031	2032	2033	2034
3.0%	2.5%	2.5%	2.5%	2.0%	2.0%	2.0%	2.0%	2.0%

- Staffing needs are resourced adequately.
- Capital expenditure forecasts are taken from Council's Long Term Capital Works Program.
- The forecast renewal costs made in this Asset Management Plan are based on the asset data register as of 1 July 2024.
- Useful lives used for renewal analysis are as indicated in Council's asset register.
- Renewal intervention condition for all assets included in the calculation of future renewal demand is '4 – Poor'.
- Pathway assets will remain in Council ownership throughout the period covered by this Asset Management Plan unless specifically detailed otherwise.
- Standards, Acts and Regulations concerning pathways will remain essentially the same over the period covered by this Asset Management Plan.

7.5 Forecast Reliability and Confidence

The forecast costs, proposed budgets, and valuation projections in this AM Plan are based on the best available data.

For effective asset and financial management, it is critical that the information is current and accurate.

Data confidence is classified on an A - E level scale[16] in accordance with Table 7.5.1.

[16] IPWEA, 2015, IIMM, Table 2.4.6, p 2|71.

Table 7.5.1: Data Confidence Grading System

Confidence Grade	Description
A. Very High	Data based on sound records, procedures, investigations and analysis, documented properly and agreed as the best method of assessment. Dataset is complete and estimated to be accurate ± 2%
B. High	Data based on sound records, procedures, investigations and analysis, documented properly but has minor shortcomings, for example some of the data is old, some documentation is missing and/or reliance is placed on unconfirmed reports or some extrapolation. Dataset is complete and estimated to be accurate ± 10%
C. Medium	Data based on sound records, procedures, investigations and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available. Dataset is substantially complete but up to 50% is extrapolated data and accuracy estimated ± 25%
D. Low	Data is based on unconfirmed verbal reports and/or cursory inspections and analysis. Dataset may not be fully complete, and most data is estimated or extrapolated. Accuracy ± 40%
E. Very Low	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is shown in Table 7.5.2.

Table 7.5.2: Data Confidence Assessment for Data used in AM Plan

Data	Confidence Assessment	Comment
Levels of Service and Performance Measures	C	Some levels of service documented in Council's Road Management Plan and Council Plan. Additional work required to validate performance measures and targets with the community.
Demand forecast analysis and projections	B	The work that has been done to prepare Council's Principal Pedestrian Network considers future growth and network needs.
Performance data (asset degradation)	C	Further analysis of historical condition information needed to establish actual degradation patterns.
Condition data	B	Last condition audit of pathways completed in 2022, however some records do not have condition assigned.
Asset inventory data	B	Pathways asset register should be reviewed to make sure that information is consistent including asset descriptions.
Risk management	A	High percentage of inspections and defects responded to annually per Council's Road Management Plan captured in asset information system. Customer requests related to pathways clearly categorised.
Long Term Financial Plan	C	Integration between financial outputs from Asset Management Plans and the Financial Plan needs strengthening.

The estimated confidence level for and reliability of data used in this AM Plan is considered to be C - Medium. The implementation of improvement actions identified in Section 8 will result in increased levels of confidence in future revisions of this Asset Management Plan.

8.0 PLAN IMPROVEMENT AND MONITORING

8.1 Status of Asset Management Practices[17]

8.1.1 Accounting and financial data sources

This AM Plan utilises accounting and financial data. The source of the data is Council's Asset Management Information System, Conquest.

8.1.2 Asset management data sources

This AM Plan also utilises asset management data. The source of the data is Council's Asset Management Information System, Conquest.

8.2 Improvement Plan

It is important that an entity recognise areas of their AM Plan and planning process that require future improvements to ensure effective asset management and informed decision making. The improvement plan generated from this AM Plan is shown in Table 8.2.

Table 8.2: Improvement Plan

Task	Task	Responsibility	Resources Required	Timeline
1	Continue to collect and refine pathway asset data suitable to inform strategic and operational analysis and decisions.	Strategic Asset Management	Internal/External	Ongoing
2	Review condition assessment methodology to potentially include measuring pathway condition at discrete intervals (e.g. 10 metres).	Strategic Asset Management	Internal	2025/26
3	Review methodology used by Conquest to calculate overall asset condition (stored as Condition Point in asset register).	Strategic Asset Management	Internal	2024/25
4	Review long term renewal funding demands using information collected from the next pathway condition survey. Formulate a strategy to address funding needs and update this Asset Management Plan.	Strategic Asset Management	Internal	2024/25
5	Review current asset handover processes to ensure complete asset data capture and accurate asset capitalisation following the completion of capital works.	Strategic Asset Management	Internal	2024/25
6	Review current surveillance activities of works carried out by third parties and contractors meets quality standards.	Strategic Asset Management Project Management Office Municipal Operations	Internal	2025/26

[17] ISO 55000 Refers to this as the Asset Management System

Task	Task	Responsibility	Resources Required	Timeline
7	Initiate a resourcing strategy for Council's in-house concrete team to ensure that it has the right balance of numbers and skills of staff to complete necessary activities. This should include attraction and retention of staff.	Municipal Operations	Internal	2025/26

8.3 Monitoring and Review Procedures

This Asset Management Plan has a long-term vision with a 4-year focus. It is a living document which is relevant and integral to daily asset management activity. This Plan will be formally reviewed and updated in the year following Council general elections, in line with s92.4 of the Local Government Act 2020.

Intermediate reviews and amendments may be made should there be any material changes to Council financial policy, levels of service, or to accommodate any resource needs from relevant strategies.

8.4 Performance Measures

The effectiveness of this AM Plan can be measured in the following ways:

- The degree to which the required cash flows identified in this asset management plan are incorporated into Council's long-term financial planning process and works planning.
- The performance against the measures assigned to levels of service.
- The Asset Renewal Funding Ratio achieving the Council's target of between 90-110%.
- The progress of implementing the actions identified in the improvement plan.

9.0 REFERENCES

- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/IIMM
- IPWEA, 2015, 3rd edn., 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/IIMM
- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/namsplus.
- IPWEA, 2015, 2nd edn. 'Australian Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/AIFMM.
- IPWEA, 2020 'International Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2018, Practice Note 12.1, 'Climate Change Impacts on the Useful Life of Assets', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2012, Practice Note 6 Long-Term Financial Planning, Institute of Public Works Engineering Australasia, Sydney, https://www.ipwea.org/publications/ipweabookshop/practicenotes/pn6
- IPWEA, 2014, Practice Note 8 – Levels of Service & Community Engagement, Institute of Public Works Engineering Australasia, Sydney, https://www.ipwea.org/publications/ipweabookshop/practicenotes/pn8
- ISO, 2014, ISO 55000:2014, Overview, principles and terminology
- ISO, 2018, ISO 31000:2018, Risk management – Guidelines
- Warrnambool 2040 (Community Vision)
- Council Plan
- Long Term Financial Plan
- Asset Management Policy
- Asset Management Strategy

10.0 APPENDICES

Appendix A - Pathway Risk Register

RISK IDENTIFICATION			RISK ASSESSMENT				Effect. of Current Controls	Further Action if Required
Risk Event	Cause	Possible Impact	Current controls	Likelihood	Consequence	Level of Risk (current controls)		
Risk of pedestrians tripping and falling with potential for serious injury.	Failure to manage and maintain pathway assets to meet appropriate levels and service and meet future needs.	Safety	Regular inspections of pathways to identify hazards and condition issues. Defects above intervention standards rectified in accordance with RMP, others as per available budget	Unlikely	Major	Medium	Fully Effective	
Risk of injury due to vegetation overhanging pathway	Street trees and vegetation from private property overgrown across pathways. Misuse of, or inattention during, the use of pathways.	Safety	Regular inspections of pathways to identify hazards and condition issues. Defects above intervention standards rectified in accordance with RMP, others as per available budget Local laws notice procedure to manage control private vegetation	Unlikely	Moderate	Medium	Fully Effective	
Pathway inspections and maintenance not in compliance with Council's Road Management Plan.	Standards documented in Road Management Plan not complied with (e.g. inspections and response times).	Compliance / Regulatory	Implementation of Road Management Plan monitoring and performance reporting	Unlikely	Moderate	Medium	Fully Effective	
Pathway asset lives not being maximised.	Due to lack of renewal and maintenance funding.	Financial	Annual funding allocations made to the maintenance and renewal of pathways Asset Management Plan prepared identifying long	Possible	Major	High	Partially Effective	Update knowledge of pathway condition and review long term renewal demands.

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RISK IDENTIFICATION			RISK ASSESSMENT				Effect. of Current Controls	Further Action if Required
Risk Event	Cause	Possible Impact	Current controls	Likelihood	Consequence	Level of Risk (current controls)		
			term funding needs. Adopted Financial Plan					Prepare strategy to address funding needs
Decline in condition and reduced effective life of pathways.	Damage caused by third parties such as utilities or builders.	Reputation	Works on Roads Permit system and reinstatement standards to ensure that restoration works are completed to an acceptable standard.	Unlikely	Major	Medium	Fully Effective	
Injury to users of shared paths.	Conflict between pedestrian and bicycle users on shared paths	Safety	Regular inspections of pathways to identify hazards and condition issues. Design standards appropriate for level of use. Regulatory and/or safety signs to control use.	Unlikely	Major	Medium	Fully Effective	
Risk of conflict between pedestrians and vehicular traffic.	Pedestrians using road due to lack of pathways.	Safety	Construction of pathways in locations where they are required according to Principal Pedestrian Network and available budgets.	Unlikely	Major	Medium	Fully Effective	

Appendix B – Proposed 10 Year Expenditure Plan

Project	Exp. Category	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
		Year1	Year2	Year3	Year4	Year5	Year6	Year7	Year8	Year9	Year10
Capital											
Pathway Replacement Works	Renewal	542,725	556,293	570,200	584,455	599,067	614,044	629,395	645,129	661,258	677,789
Pathway Construction Program	New	336,790	345,210	353,840	362,686	371,753	381,047	390,573	400,337	410,346	420,605
CBD Pathway Works	Renewal	600,000	600,000	600,000	600,000	-	-	-	-	-	-
Total CAPEX		**1,479,515**	**1,501,503**	**1,524,040**	**1,547,141**	**970,820**	**995,091**	**1,019,968**	**1,045,466**	**1,071,604**	**1,098,394**
Recurrent											
Operations	OPEX	306,000	313,650	321,491	329,529	337,767	346,211	354,866	363,738	372,831	382,152
Maintenance	OPEX	367,000	376,175	385,579	395,219	405,099	415,227	425,607	436,248	447,154	458,333
Total OPEX		**673,000**	**689,825**	**707,071**	**724,747**	**742,866**	**761,438**	**780,474**	**799,986**	**819,985**	**840,485**
Total Expenditure		**2,152,515**	**2,191,328**	**2,231,111**	**2,271,888**	**1,713,686**	**1,756,529**	**1,800,442**	**1,845,452**	**1,891,589**	**1,938,879**

STORMWATER DRAINAGE

Asset Management Plan
Warrnambool City Council

Document Control	Stormwater Drainage Asset Management Plan				
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1.0 EXECUTIVE SUMMARY

1.1 The Purpose of the Plan

This Asset Management Plan (AM Plan) details information about infrastructure assets with actions required to provide an agreed level of service in the most cost-effective manner while outlining associated risks. The plan defines the services to be provided, how the services are provided and what funds are required to provide over a 10-year planning period. The AM Plan will link to the Long-Term Financial Plan.

1.2 Asset Description

Council's stormwater drainage network comprises approximately 296km of underground pipes, 2.8km of drainage tunnels, 12,275 drainage pits and various other assets such as gross pollutant traps, pumps, basins, floodwalls, etc. This complex network has a total replacement cost of $140.4 million.

These stormwater assets represent a significant investment and are of vital importance to protect people, property and public health by collecting, transporting, and disposing of stormwater runoff.

1.3 Levels of Service

The current levels of service have been formulated with regard for legislative requirements, Australian standards, Infrastructure Design Manual, results from the community satisfaction survey and through analysis of customer requests.

Service level performance will be monitored in accordance with this plan over the next 10 years which will provide guidance on the required funding to ensure these service levels.

Council's present funding levels are insufficient to continue to provide existing services at current levels in the medium term. If funding levels are reduced this would impact on Council's ability to maintain current levels of service and performance.

The main service consequences would result in:

- Reduced levels of service leading to a decrease in overall performance of the drainage network.
- Increased risk of flooding and property impact.
- Increased risk of public hazards due to failure of critical drainage infrastructure.

1.4 Future Demand

The main demands for new services are created by:

- Demographics-Residential and commercial land development due to population growth.
- Climate change-Storm intensity and severity due to climate change impacts.
- Finance and economics-Changes in material and resource cost, technology, design regulations and legislative standards.

These demands will be approached using a combination of managing existing assets, upgrading existing assets and providing new assets to meet demand. Demand management practices may also include a combination of:

- Planning for the future of the stormwater drainage system using a strategic approach which considers the most current information about climate change scenarios.
- Continuing to monitor the performance of the drainage system through Council's annual CCTV inspection program.
- Targeted renewal, upgrade and new infrastructure to focus on and address capacity issues that have been identified.
- Ensuring design guidelines consider future demand factors and good design principles.

1.5 Lifecycle Management Plan

1.5.1 What does it Cost?

The forecast lifecycle costs necessary to provide the services covered by this AM Plan includes operation, maintenance, renewal, acquisition, and disposal of assets. Although the AM Plan may be prepared for a range of time periods, it typically informs a Long-Term Financial Planning period of 10 years. Therefore, a summary output from the AM Plan is the forecast of 10-year total outlays, which for Council's drainage assets is estimated as $23.5 million or $2.35 million on average per year. This excludes contributed assets and works delivered through Council's Development Contributions Plan.

1.6 Financial Summary

1.6.1 What we will do

Estimated available funding for the 10-year period is $14.1 million or $1.41 million on average per year as per the Long-Term Financial plan or Planned Budget. This is 60% of the cost to sustain the current level of service at the lowest lifecycle cost.

The infrastructure reality is that only what is funded in the long-term financial plan can be provided. The Informed decision making depends on the AM Plan emphasising the consequences of Planned Budgets on the service levels provided and risks.

The anticipated planned budget for stormwater drainage assets leaves a shortfall of approximately $944K on average per year of the forecast lifecycle costs required to provide services in the AM Plan compared with the Planned Budget currently included in the Long-Term Financial Plan. This is shown in the figure below.

Forecast Lifecycle Costs and Planned Budgets

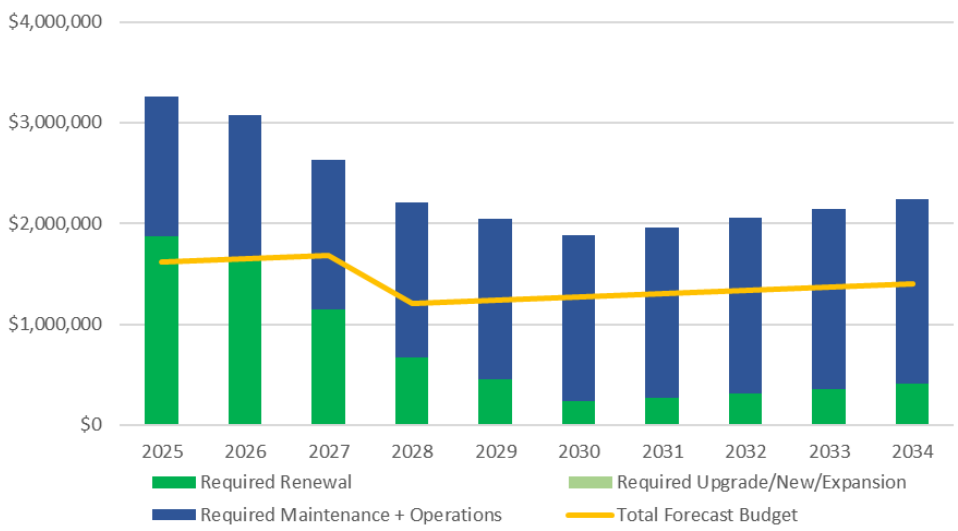


Figure Values are in current dollars.

We plan to provide funding for stormwater drainage assets to undertake:

- Operation, maintenance, renewal and acquisition of stormwater assets to meet service levels.
- Major renewal and improvement work as identified in Council's Long Term Capital Works Program.
- Maintain critical drainage assets as a high priority.

It is recommended that current forecast budgets for capital works and maintenance be retained until such time that greater confidence is established in Council's stormwater drainage data is established and is better aligned with its service objectives.

Council's funding plan for stormwater drainage will be continually reviewed as new information becomes available on growth, demand, service levels, and asset performance. Updates to future funding needs will inform Council's financial planning instruments and updates of this Asset Management Plan.

1.6.2 What we cannot do

We currently allocate sufficient funding to sustain these services at the desired standard but need to manage the expectation to provide all new services being sought. Works and services that may not be provided under present funding levels are:

- Provide a fully compliant drainage network to meet the capacity requirements of the Infrastructure Design Manual.
- Complete condition assessments for all drainage assets.
- Address and mitigate all flood hot spot areas as identified in Council's various drainage studies.
- Address and mitigate impacts of climate change on Council drainage infrastructure (i.e. outfall management impact due to sea level rise).

1.6.3 Managing the Risks

Our present funding levels are sufficient to continue to manage risks in the medium term.

The main risk consequences if Council was unable to maintain funding levels are:

- Further deterioration of critical drainage assets increasing risk of failure.
- Further exposure to risk and liability because of flooding.

We will endeavour to manage these risks within available funding by:

- Proactively inspecting our drainage network and carrying out maintenance or other actions to ensure public safety and property protection is a priority.
- Undertaking further investigations of the identified flooding hotspots to determine the best value for money treatment outcomes.
- Regularly reviewing this Asset Management Plan to ensure alignment with Council's strategic planning cycle and to inform the investment need through the Long-Term Financial Plan.

1.7 Monitoring and Improvement Program

The next steps resulting from this AM Plan to improve asset management practices are:

- Building on Council's stormwater drainage asset data to improve its completeness, consistency, and accuracy.
- Continuing the annual program of CCTV inspections of network.
- Updating of Council's drainage strategies to include the most current knowledge of future climate change scenarios.
- Establishing processes to measure the community's level of satisfaction with Council's stormwater drainage services.
- Reviewing current operational practices and resources with a view to transitioning to a more proactive maintenance approach to realise efficiencies. This includes formalising levels of service.

.

2.0 INTRODUCTION

2.1 Background

This AM Plan communicates the requirements for the sustainable delivery of services through management of assets, compliance with regulatory requirements, and required funding to provide the appropriate levels of service over the planning period.

Warrnambool City Council's ("Council") stormwater drainage system protects property and public health by safely and efficiently collecting, transporting, treating, and disposing of stormwater runoff.

This system comprises a network of stormwater assets including pits, underground pipes, and other drainage infrastructure and can be categorised into 3 functional groupings:

Table 2.1.1: Stormwater Drainage Network Functions

Functional Group	Description
Collection and conveyance	The infrastructure responsible for the collection and conveyance of runoff from impervious surfaces belong in this category. These are the drainage infrastructure used for conveyance including pits, pipes, surface drains, tunnels and minor culverts. The primary responsibility of the infrastructure is to protect the community and assets from the flooding.
Retention	This is a hold point for stormwater. The conveyance infrastructure leads the water to this phase where stormwater is retained to enable some level of treatment and groundwater recharge or reuse. The infrastructure elements included in the retention phase are stormwater basins, aquifer recharge bores, water harvesting tanks and other machinery related to this infrastructure such as pumps in basins and backflow prevention devices.
Water quality	The infrastructure, which helps in enhancing stormwater quality such as Stormwater Quality Improvement Devices (SQID) and Water Sensitive Urban Devices elements (WSUD). SQIDs include litter traps, gross pollution traps, and water sensitive urban devices including swales, rain gardens, etc.

These assets not only represent a significant community investment, but it is also a substantial financial asset for Council with an estimated replacement value of $141.1 million. For a detailed summary of the assets covered in this AM Plan refer to Table in Section 5.

This AM Plan outlines how Council will plan, develop, and maintain its stormwater drainage network and associated assets to meet its service needs in an affordable way. It should be read with along with other key planning documents including:

- Warrnambool 2040
- Council Plan
- Asset Management Policy
- Asset Management Strategy
- Warrnambool Drainage Strategy 2003
- Warrnambool Floodplain Management Plan 2018
- Albert Park Integrated Water Management Plan
- Lake Pertobe Integrated Water Management Plan
- Various Growth Area Structure Plans

Key stakeholders in the preparation and implementation of this AM Plan are shown in Table 2.1.2.

Table 2.1.2: Key Stakeholders in the AM Plan

Key Stakeholder	Role in Asset Management Plan
Councillors	Custodian of the asset, with Councillors representing the residents and setting strategic direction as per the Corporate and Operational Plans
Employees	Various teams across Council who have strategic and operational lifecycle management responsibilities for the drainage network.
General public	Community members who derive benefit and are serviced by the stormwater drainage system.
Contractors and other suppliers	To ensure provision of the required/agreed level of maintenance services for asset components.
Partners in other government departments	Periodic provision of advice, instruction, and support funding to assist with management of the drainage network.
Glenelg Hopkins Catchment Management Authority	Responsible for the integrated planning and coordination of land, water and biodiversity management in all catchment and land protection regions
Victoria State Emergency Services	Control agency for flood, storm, and other disaster events throughout Victoria.
Insurers.	Insurance and risk management issues.

2.2 Goals and Objectives of Asset Ownership

Our goal for managing infrastructure assets is to meet the defined level of service (as amended from time to time) in the most cost-effective manner for present and future consumers. The key elements of infrastructure asset management are:

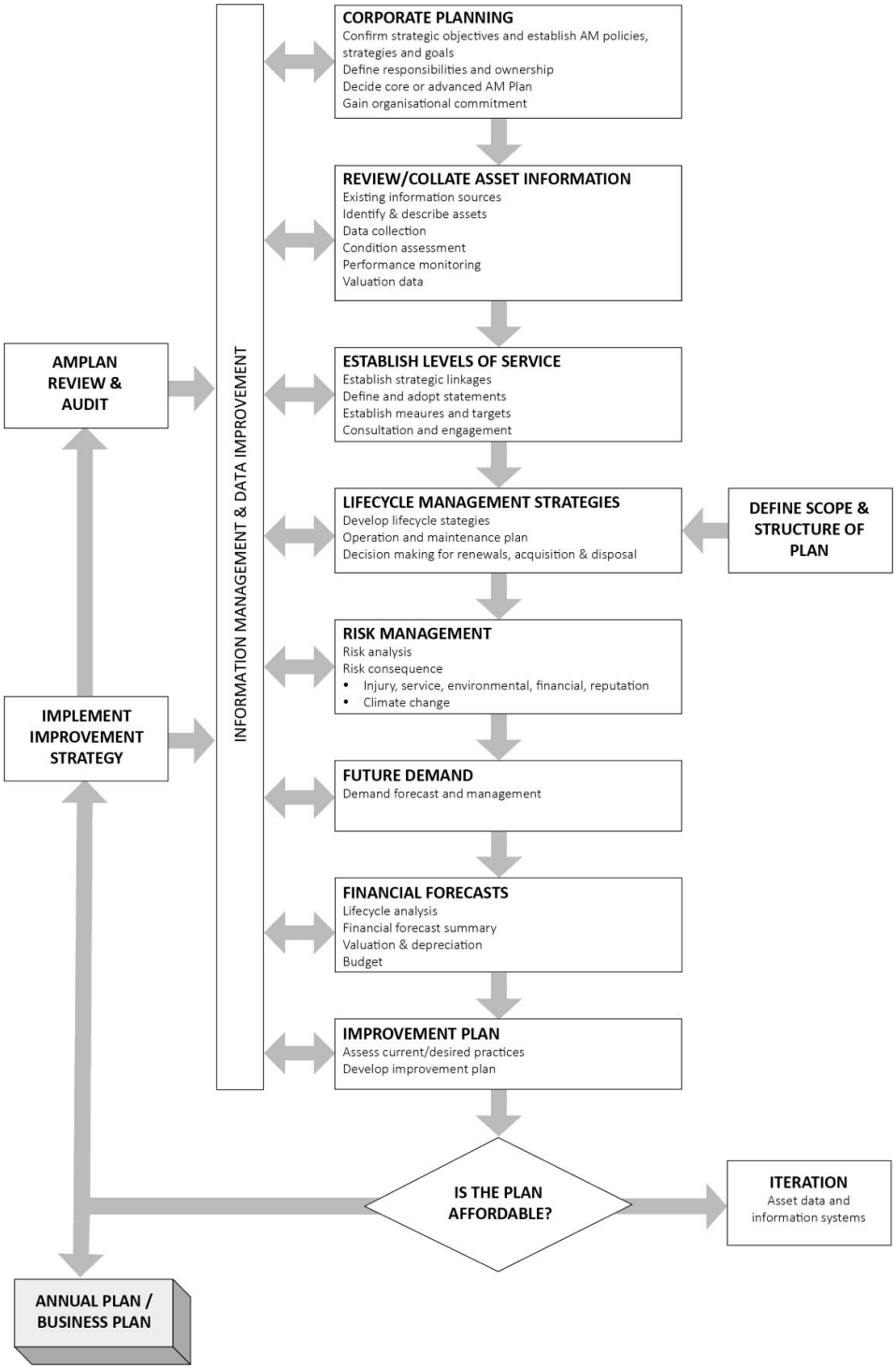
- Providing a defined level of service and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- Identifying, assessing and appropriately controlling risks, and
- Linking to a Long-Term Financial Plan which identifies required, affordable forecast costs and how it will be allocated.

Key elements of the planning framework are

- Levels of service – specifies the services and levels of service to be provided,
- Risk Management,
- Future demand – how this will impact on future service delivery and how this is to be met,
- Lifecycle management – how to manage its existing and future assets to provide defined levels of service,
- Financial summary – what funds are required to provide the defined services,
- Asset management practices – how we manage provision of the services,
- Monitoring – how the plan will be monitored to ensure objectives are met,
- Asset management improvement plan – how we increase asset management maturity.

A road map for preparing an AM Plan is shown below.

Road Map for preparing an Asset Management Plan
Source: IPWEA, 2006, IIMM, Fig 1.5.1, p 1.11



3.0 LEVELS OF SERVICE

3.1 Customer Research and Expectations

This AM Plan is prepared to facilitate consultation prior to adoption of levels of service by Council. Future revisions of the AM Plan will incorporate customer consultation on service levels and costs of providing the service. This will assist the Council and stakeholders in matching the level of service required, service risks and consequences with the customer's ability and willingness to pay for the service.

Council participates in the annual Local Government Community Satisfaction Survey which is coordinated by the State Government on behalf of Victorian councils. This survey measures community views towards, and satisfaction with, the services Council delivers.

It is acknowledged that past surveys have not specifically gauged the community's satisfaction with the way that Council is managing the stormwater drainage system.

Future surveys should include questions specific to stormwater management to help identify and measure the importance and performance in delivering this service to the community.

3.2 Strategic and Corporate Goals

This AM Plan is prepared under the direction of Council's vision, mission, goals and objectives.

Our vision is:

A thriving city at the heart of coast and country.

Strategic goals have been set by Council. The relevant goals and objectives and how these are addressed in this AM Plan are summarised in Table 3.2.

Table 3.2: Goals and how these are addressed in this Plan

Goal	Objective	Actions
A Sustainable Environment	Council will protect and enhance the health of Warrnambool's coastline and inland waterways to protect and improve biodiversity.	Complete the South Warrnambool Flood Study and begin Planning Scheme Amendment.
	Council will encourage innovation and initiatives that minimise Warrnambool's environmental impact.	Facilitate and support the delivery of climate change mitigation, adaptation and resilience actions to raise awareness and prepare for a changing climate.
	Council will promote and encourage awareness of sustainable practices in our work, and the community including water resource management.	Deliver actions identified in the Albert Park Integrated Start Date Due Date Water Management Plan and the Lake Pertobe Integrated Water Management Plan.
A Strong Economy	Council will support initiatives that foster ongoing development and investment in the industries which underpin Warrnambool's economic strengths and comparative advantages.	Manage Development Plans and Developer Contributions Plans to meet infrastructure requirements of new areas
A Connected and Inclusive Place	Council will promote and encourage the implementation of sustainable design across the municipality including the attractiveness, safety, accessibility and functionality of our built environment.	Update the Drainage Asset Management Plan.

3.3 Legislative Requirements

There are many legislative requirements relating to the management of assets. Legislative requirements that impact the delivery of drainage services are outlined in Table 3.3.

Table 3.3: Legislative Requirements

Legislation	Requirement
Local Government Act 2020	Sets out role, purpose, responsibilities and powers of Council including the preparation of a long-term financial plan supported by asset management plans for sustainable service delivery.
Subdivision Act 1988 and Subdivision Regulations (Procedures) 2011	Applies for drainage works to connect the subdivision to the system serving properties outside it
Catchment and Land Protection Act 1994	Establishes a framework for the integrated management and protection of catchments.
Building Act 1993	Provides for regulation of plumbing work and plumbing standards as it impacts discharge of water into the stormwater drainage system from private buildings.
Public Health and Wellbeing Act 2008	Allows the issue of a prohibition notice for the conducting of an activity that may damage public health - in this instance being illegal discharges into the stormwater drainage system
Environment Protection Act 2017	Sets out a general environmental duty which requires entities to take reasonable and practical steps to reduce the human and environmental health risks of their activities.
Occupational Health and Safety Act 2004	To provide a working environment that is safe, and, as far as practicable, without risk to health.
Water Act 1989	Sets out the broad purpose to provide integrated management of the terrestrial water cycle to ensure the equitable and efficient use of water resources to protect and enhance the environmental qualities of waterways and their in-stream uses.
Land Act 1958	Enable authorities to control development on flood-prone land. Subdivisions developed under the new standards, incorporated stormwater drainage systems that could safely accommodate flows from a 100-year storm event.
Road Management Act 2004	Relates to management of the stormwater drainage system where it lies within a public road reserve.
Emergency Management Act 2013	Requires a council to have a Municipal Emergency Management Plan to address local emergency risks. This includes hazards arising from storm flows in the drainage system and associated infrastructure.
Integrated Water Management Framework for Victoria	A framework to deliver greater community value through consistent and strategic collaboration within the water sector – including water corporations, local governments, catchment management authorities, and links with organisations involved in land use planning.

3.4 Current and Target Levels of Service

Current and target levels of service and associated performance measures are outlined in Table 3.4.

These are based on current statutory obligations, organisational goals, current accepted industry standards, and the historic interpretation of customer expectations of service levels.

Several performance indicators have been identified that will be beneficial to measuring Council's overall delivery of stormwater related services in the future.

Council will work to implement the tools and processes and gather data required to monitor and report on these indicators over the life of this Asset Management Plan.

Table 3.4: Customer Values

Customer Value	Customer Outcome	Performance Measure	Current Performance	Goal Over Next 4 Years
Quality	An effective drainage network is provided	Percentage of drainage assets in 'Fair' condition or better.	90%[1]	Maintain
		No. of customer service requests received for flood incidents per annum[2]	222	Reduce (Subject to annual rainfall)
Responsiveness	Drainage complaints are responded to promptly	Percentage of complaints responded to within nominated timeframes	Future measure	Future Measure
Safety	People and property are protected from flooding	Percentage of drains that meet design standards for capacity	59%	Improve
	Drainage assets are managed to mitigate risk	Percentage of total number of stormwater pits in road reserves inspected and cleaned each year	Future measure	Future measure
Environment	Natural waterways are protected from gross pollutants	Percentage of Gross Pollutant Traps inspected and cleaned per annual program	Future measure	Future measure

It is important to monitor the service levels regularly as circumstances can and do change. Current performance is based on existing resource provision and work efficiencies. It is acknowledged changing circumstances such as technology and customer priorities will change over time.

[1] Calculated based on recorded asset age
[2] Rolling 3-year average 2022-24

4.0 FUTURE DEMAND

4.1 Demand Drivers

Drivers affecting demand include things such as population change, regulations, changes in demographics, seasonal factors, vehicle ownership rates, consumer preferences and expectations, technological changes, economic factors, agricultural practices, environmental awareness, etc.

4.2 Demand Forecasts

The present position and projections for demand drivers that may impact future service delivery and use of assets have been identified and documented.

4.3 Demand Impact and Demand Management Plan

The impact of demand drivers that may affect future service delivery and use of assets are shown in Table 4.3.

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand and demand management. Demand management practices can include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 4.3. Further opportunities will be developed in future revisions of this AM Plan.

Table 4.3: Demand Management Plan

Demand Drivers	Present Position	Projection	Impact	Management Plan
Increasing Dwelling Density	The Warrnambool City-Wide Housing Strategy forecasts that housing densities should be expected to increase in many parts of Warrnambool.	Increased density is expected to continue across the city.	▪ Increased impervious areas. ▪ Increased pollutants in receiving waters. ▪ Capacity of existing stormwater network inadequate to cope with excess runoff.	All the infill developments are guided through the planning process, which should satisfy various amendments, including amendment VC154 on stormwater management.
City Growth and Development	Drainage infrastructure will be constructed in growth areas as per the Council's adopted growth area structure plans. This includes North of Merri, West Dennington, East Warrnambool and Logan's Beach.	It is anticipated to have an additional 8.5km of pipes, 325 pits, minimum of 25 soak pits, 15 GPT's, 7km of swales and five basins in the next 10 year as per planned development.	New drainage assets will be acquired by way of developer contributions. This will result in a need to increase current maintenance and operations budgets from existing levels to meet service objectives.	▪ The planning and construction of drainage in new subdivisions is managed through the planning process, which includes a detailed drainage study and design for each area. ▪ Ensure that delivery teams are informed on handover, and requisite increases are made to annual maintenance budget allocations.
Ageing Infrastructure	▪ Deteriorating condition of assets as they age. ▪ Increasing asset obsolescence as new, more sustainable pipe designs and material become available.	While drainage pits and pipes have a long service life, some parts of the network, based on their age profile, will need to be planned for renewal or rehabilitation in the medium term.	▪ Increased demand for timely asset renewal and upgrade. ▪ Advancement in designs, technologies and systems will have increased costs in some areas, and reduced costs in other areas.	▪ Continue to monitor the performance of the drainage system through CCTV inspection programs. ▪ Prepare long term asset maintenance and renewal programs according to priorities and funding availability.

Demand Drivers	Present Position	Projection	Impact	Management Plan
Technology Improvement and Utilisation	Increase in available technology for the construction, management, maintenance, and renewal of drainage infrastructure.	Further analysis required.	Opportunity of cost savings in service delivery as well as improvement in structural integrity resulting in more life span for the assets.	Continue to monitor and be updated with the new developments in this space.
Climate Change	Recent studies show that the drainage system is exposed to risk by climate change through: ▪ Increasing storm surges ▪ Sea-level rise ▪ Groundwater changes ▪ Frequency and intensity of extreme rainfall events.	Warrnambool might experience a sea-level rise of 0.49 metres and increased rainfall intensity with climate change.	The city will be more vulnerable to flooding, especially in areas like Koroit Street, Japan Street and Koroit Street intersection, Harrington Road, Morriss Road and Anthony Street.	The Warrnambool Climate Change Drainage Impact Study details the impact of Climate change and suggests the flood mitigation measures associated with it.
Council Financial Sustainability	Council is required to provide its projects, programs, and services within an environment of constrained revenue control resulting from rate capping.	Rate capping, has the potential to negatively impact effective asset management if sufficient funds are unable to be secured to manage existing assets to agreed levels of service, or to provide new or upgraded transport assets desired by the community	Council will be faced with challenges with respect to future provision of transport infrastructure, including: - Achieving equitable distribution of resources and the provision of transport networks and assets. - Making sure that the community receives maximum benefit from the investment in transport infrastructure.	▪ Prepare long term asset maintenance and renewal programs according to priorities and funding availability. ▪ Conduct level of service analysis and review affordability and risks. ▪ Ensure that the Financial Plan and Asset Plan are integrated and reflect future asset whole of life costs and account for any expected climate change impacts.

4.4 Asset Programs to meet Demand

The new assets required to meet demand may be acquired, donated or constructed. Additional assets are discussed in Section 5.6.

Warrnambool City Council is presently experiencing a period of rapid growth. Demand for provision new and upgraded drainage infrastructure will continue to be a significant challenge for Council. The new assets required to meet demand may be acquired, donated, or constructed by Council.

Council has many strategies and policies that provide the means to continually assess future needs and to identify opportunities to enhance or upgrade the drainage network to meet growth and changes in demand. This also includes Council's current Development Contributions Plan which is used as a mechanism to fund growth related projects.

Acquiring new assets will commit Council to ongoing operations, maintenance and renewal costs for the period that the service provided from the assets is required.

These future costs are identified and considered in developing forecasts of future operations, maintenance and renewal costs for inclusion in the long-term financial plan (Refer to Section 5).

4.5 Climate Change Adaptation

The impacts of climate change may have a significant impact on the assets Council manages and the services they provide. In the context of the Asset Management Planning process climate change can be considered as both a future demand and a risk.

How climate change impacts on assets will vary depending on the location and the type of services provided, as will the way in which Council responds and manage those impacts.[3]

As a minimum Council considers how it manages its existing assets given potential climate change impacts for the region.

Risk and opportunities identified to date are shown in Table 4.5.

[3] IPWEA Practice Note 12.1 Climate Change Impacts on the Useful Life of Infrastructure

Table 4.5: Managing the Impact of Climate Change on Assets and Services

Climate Change Indicator	Potential Impact on Assets and Services	Management Actions
More frequent, long-running and intense heatwaves	▪ Increased heat related damage to assets including concrete cracking. ▪ Reduced lifespan of water infrastructure assets. ▪ Increased costs to provide the same level of service. ▪ Premature obsolescence as functionality is not met.	Strategic Planning, Asset Management and Project Delivery (including design and procurement) will continue to focus on ensuring that climate risk mitigation and adaption is a key focus. Mitigation and adaptation measures will include: ▪ Ongoing reviews and updates to Council's design standards and technical specifications to ensure its assets transition towards having a lower carbon footprint with improved circular economy outcomes as well as ensure they are more resilient to withstand the impacts of an unstable climate. ▪ Proactively reviewing Council's asset management strategies with respect to the impacts of climate change, to ensure it continues to provide the agreed level of service at the lowest lifecycle cost.
Less rain overall but more intense storms and flooding	▪ Increased stormwater related damage to assets including earth, rubble and concrete erosion resulting in a loss of structural integrity/strength. ▪ Reduced lifespan of water infrastructure assets ▪ Premature obsolescence as functionality is not met (e.g. drainage pipe capacity does not meet demand)	Additional to the above, adaptation measures will also consider: ▪ Developing stormwater management plans to identify assets at risk and priority mitigation controls such as upgrading existing underground assets and creating new assets such as wetlands and detention basins to increase water storage capacity. ▪ Continue to work with other authorities to support community education and awareness in flood-prone areas. ▪ Catchment renewal to consider an integrated stormwater management approach including materials selection.

The impact of climate change on assets is a new and complex discussion and further opportunities will be developed in future revisions of this Asset Management Plan.

It is recommended to continue monitoring the impacts of climate conditions and associated cost implications as further investigation is undertaken and more data becomes available. This is included as a key action within this Asset Management Plans Improvement Plan.

5.0 LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the Council plans to manage and operate the assets at the agreed levels of service (Refer to Section 3) while managing life cycle costs.

5.1 Background Data

5.1.1 Physical parameters

The assets covered by this AM Plan are shown in Table 5.1.1.

Council's stormwater drainage system protects property and public health by safely and efficiently collecting, transporting, treating, and disposing of stormwater runoff.

This system comprises a network of stormwater assets including pits, underground pipes, and other drainage infrastructure.

Table 5.1.1: Assets covered by this Plan

Asset Type	Quantity	Unit	Replacement Cost ($)	Written Down Value ($)	Useful Life (Years)
Pipes	295,889	metres	69,571,168	48,035,419	100
Pits	12,275	No.	38,415,614	25,988,051	80 - 100
AG Drains	25,849	metres	952,750	845,590	100
Aquifer Recharge Bore	1	No.	40,020	37,619	200
Basins	285,202	sqm	11,032,900	9,183,503	100 - 200
Drainage Pumps	7	No.	815,500	248,100	20
Flood Walls	1,225	metres	1,563,100	1,435,857	100
Rain Gardens	100	No.	696,056	587,335	60
Rainwater Harvesting Tanks	7	No.	397,239	332,927	50
Retention Cells	4	No.	716,477	715,520	50
SQIDs	38	No.	4,920,916	4,341,516	25 - 100
Swales	923,441	sqm	18,469	18,154	60
Tunnels	2,861	metres	11,270,843	3,494,843	100
Total			**140,411,052**	**95,264,434**	

All figure values are shown in current day dollars.

5.1.2 Asset capacity and performance

Assets are generally provided to meet design standards where these are available. However, there is insufficient resources to address all known deficiencies. Locations where deficiencies in service performance are identified in Appendix C.

The capacity of underground pipes that form Council's stormwater drainage network has been assessed against their prescribed Infrastructure Design Manual (IDM) standard according to abutting land use types. The IDM documents and standardises Council's requirements for the design and development of municipal infrastructure, including stormwater drainage assets.

Drains in or around commercial areas, essential utilities, institutions and hospitals should have a capacity for a 5% AEP, drains in the industrial area should have a capacity to take 10% AEP and drains in residential areas should have a capacity for an 18% AEP flood event (Table 5.1.2a)

Pipes under capacity have been given a performance score of 1 indicating adequate performance. Those pipes that are operating at capacity are given a score of 2, indicating they are meeting current demand without issue but that there is no potential to cater for increasing future demand under current condition. Assets that are over capacity are given a performance score of 5 indicating a failure in meeting their functional levels of service. Pipes that are operating at over capacity generally coincide with areas of known flooding hotspots or other drainage issues.

Table 5.1.2a: IDM Design Drainage Capacity by Land Use Type

Zone	Capacity Score		
	Under Capacity	At Capacity	Over Capacity
Commercial	1% AEP	5% AEP	10% AEP
Essential utilities/Institutions/Hospitals	1% AEP	5% AEP	10% AEP
Industrial	5% AEP	10% AEP	18% AEP
Residential	10% AEP	18% AEP	>20% AEP

Flood modelling has been used to calculate the maximum amount of stormwater that can flow through Council's underground stormwater pipes. This modelling assumes that there are no blockages, root intrusions or other debris present that may reduce the capacity of these pipes.

Following an assessment of existing infrastructure under current IDM standards, approximately 41% of Council's underground drains are under capacity according to current drainage design standards. Table 5.1.3b details the current capacity of the drainage network associated with various land use types.

Table 5.1.2b: Pipe Length with Capacity Limits

Zone	Pipe Capacity					Length of Pipes with Capacity than Design Flood Immunity (km)
	1% AEP (1 in 100 year event)	5% AEP (1 in 20 year event)	10% AEP (1 in 10 year event)	18% AEP (1 in 5 year event)	>20% AEP	
Commercial	1%	14%	14%	17%	54%	16.3
Essential utilities/Institutions/Hospitals	1%	18%	14%	9%	58%	13.2
Industrial	3%	21%	6%	10%	60%	9.8
Residential	5%	25%	17%	14%	39%	82

Flooding hotspots are identified through operating knowledge of the drainage network, flood modelling, and other strategic work completed by Council. Twenty prioritised hotspots are considered for upgrade projects to increase the capacity of drainage to reduce the risk of ongoing nuisance flooding.

Annual Exceedance Probability (AEP) - Is the probability of an event occurring in any given year. For example, a 1% AEP means there is a 1% chance in any given year of the event occurring. This means that on average 1 event of this size will occur every 100 years. Therefore, 1% AEP is equal to a 100-year ARI, a 2% AEP is a 50-year ARI, and a 10% AEP is a 10-year ARI.

Annual Recurrence Interval (ARI) - Is sometimes also known as 'return period'. It is the average number of years that it is predicted will pass before an event of a given magnitude occurs. For example, a 50-year ARI event would on average happen every 50 years.

Both ARI and AEP values are based on statistical calculations and represent the average timing of events. These may not be exact and although unlikely, a number of 1% AEP or 100-year ARI events could occur within the same year.

5.1.3 Asset condition

Council has an annual program of CCTV inspections of its underground stormwater drainage network. The current budget allows for approximately 3% of the network to be inspected each year. To date, around 66km of the underground pipe network has been inspected for structural condition and serviceability. This represents around 22% of the overall drainage system.

Condition data for drainage assets is recorded in Council's asset register and is used for renewal modelling, capital works planning, and financial reporting.

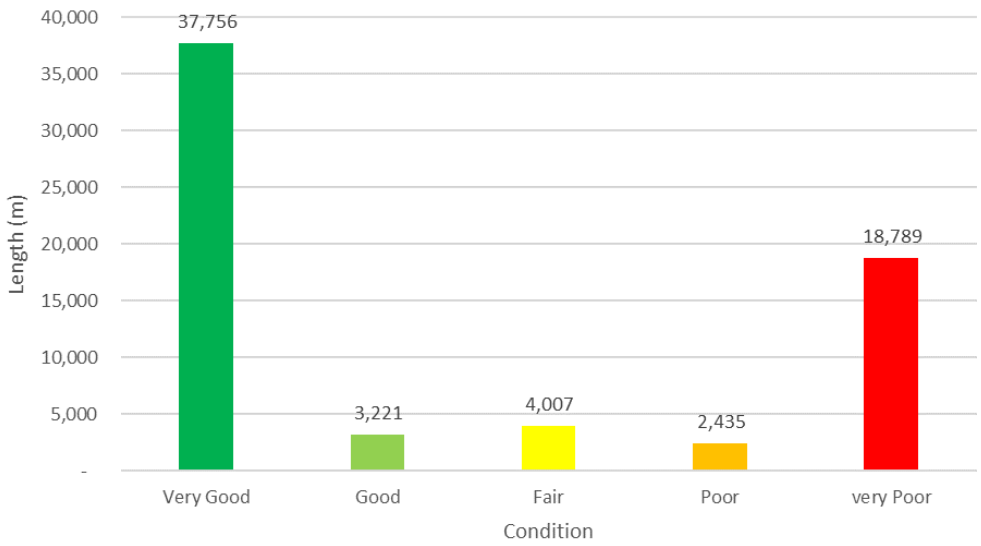
Condition is measured using Water Services Association of Australia (WSAA) defect codes which is then converted to a 1 – 5 grading system[4] as detailed in Table 5.1.3 based on the combination of the extent and severity of the various defects identified.

Table 5.1.3: Condition Grading System

Score	Condition Rating	Description of Condition
1	Very Good	Free of defects, only planned and/or routine maintenance required
2	Good	Minor defects, increasing maintenance required plus planned maintenance
3	Fair	Defects requiring regular and/or significant maintenance to reinstate service
4	Poor	Significant defects, higher order cost intervention likely
5	Very Poor	Physically unsound and/or beyond rehabilitation, immediate action required

The condition profile of our assets is shown in Figure 5.1.3.

Figure 5.1.3: Pipe Condition Profile by Length



[4] IPWEA, 2015, IIMM, Sec 2.5.4, p 2|80.

Around 28% of the pipes inspected so far are in very poor structural condition. The condition of an underground pipe can be influenced by the standard at the time of construction, material quality, soil conditions, impact from other works and property connections, etc.

Treatment interventions to these pipes such as relining, replacement, etc. will be required in the short to medium term to address condition and mitigate any risk of major failure. Condition information is used as the basis for informing Council's capital works program for the stormwater drainage network.

There are opportunities to estimate the condition of the parts of the network that are yet to be formally assessed as part of the annual CCTV inspection program. This could be done by extrapolating known condition across the balance of the network by considering pipe material, construction date, topography, maintenance history, and other environmental factors.

Better data would enhance asset management decision-making practices and would also be useful in validating asset valuations and depreciation calculations.

An additional area of improvement for Council is to review the current selection process used to determine which pipes are included in the CCTV inspection program each year. There may be occasions where it is possible to better align the program with investigative works that are necessary to scope Council's capital works projects (e.g. building a comprehensive understanding of the condition of underground drains in the vicinity of planned road renewal works).

There is also a need to continually review the accuracy, completeness, and consistency of Council's drainage asset data. This is important where this information is used for analysis or is used to inform third parties of the location of underground services. New or updated information collected from operational activities, inspections, and other investigations needs to be captured and used to update Council's asset registers and spatial information.

5.1.4 Asset serviceability

Serviceability is connected to hydraulic capacity which can be diminished by factors such as intrusions by tree roots, sedimentation, and collection of debris.

Council uses a 1 to 5 rating system to measure serviceability of its drainage assets as described in table 5.1.4.

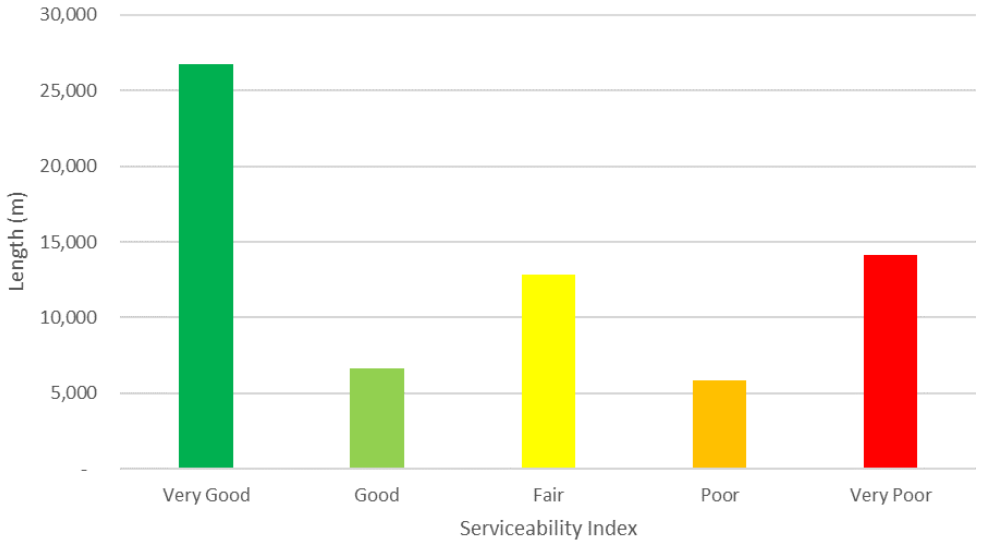
Table 5.1.4: Serviceability Grading System

Score	Serviceability Rating	Description
1	**Very Good**	No or insignifanct loss of hydraulic capacity.
2	**Good**	Minor loss of hydraulic capacity.
3	**Average**	Moderate loss of hydraulic performance but asset still functions safely at adequate level of service.
4	**Poor**	Significant loss of hydraulic performance. Substantial work required in short term to keep asset servicable.
5	**Very Poor**	Complete loss of hydraulic performance which present a possible risk to public safety.

Figure 5.1.4 summarises the serviceability of pipes that have been visually condition assessed to date. Approximately 21% of pipes have a serviceability score of 'Very Poor', which suggests blockages in these pipes are greatly preventing stormwater conveyance and potentially causing flooding upstream.

It is recommended that these pipes are programmed to be cleared of sediment, root intrusions, or other obstructions to restore their drainage function as best as possible. These activities should only be applied where pipes are structurally sound enough to withstand this type of work.

Figure 5.1.4: Serviceability Profile by Length



5.2 Operations and Maintenance Plan

Operational activities can include service delivery items such as removal of debris from pits, cleaning blocked pipes, etc. Operations also include proactive and reactive inspections. These inspections are completed by Council's staff or specialist contractors in some cases. Operations activities do not improve the condition of assets.

Stormwater assets are long lived and over time minor faults can occur within the network. Council addresses repairs and maintenance of these faults (i.e. broken pipes or pit lids, blocked pipes or pits, etc.) as it becomes aware of such issues or identify them through ongoing monitoring programs.

Current maintenance programs are centred on ensuring that known problem areas perform to their service potential to mitigate the risk of nuisance flooding. This requires focussed effort from Council's drainage maintenance team meaning that other parts of the network may be left unattended.

There are further challenges presented with the maintenance of SQIDs such as rain gardens vegetated swales, sediment basins, etc. A more programmed approach is required to ensure these items of stormwater drainage infrastructure perform their function as they are intended to. Melbourne Water's *WSUD Maintenance Guidelines* provide simple, standardised guidance for designing and implementing maintenance programmes for SQIDs. Council will also need to ensure that it is properly resourced, and its staff have the requisite skills and knowledge to adequately perform maintenance on SQIDs.

Most drainage maintenance activities are undertaken by Council's in house resources using a dedicated combination drain cleaning truck to deliver these works. Other activities such as emptying of gross pollution traps of rubbish are undertaken by contractors working on Council's behalf.

Council carries out annual CCTV inspections of a small percentage of the underground pipe network each year. These inspections help identify what work needs to be done including cleaning, repairs, or in some cases pipe replacement.

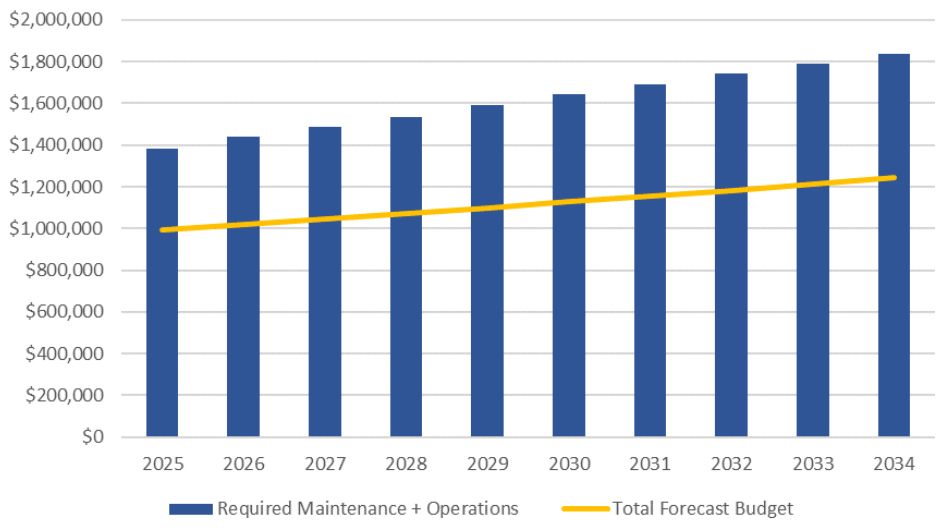
All the maintenance and other operational work that Council does is prioritised within the constraints of its annual budgets.

5.3 Summary of forecast operations and maintenance costs

Forecast operations and maintenance costs are expected to vary in relation to the total value of the asset stock. If additional assets are acquired, the future operations and maintenance costs are forecast to increase. If assets are disposed of the forecast operation and maintenance costs are expected to decrease.

Figure 5.3 shows the forecast operations and maintenance costs relative to the proposed operations and maintenance Planned Budget.

Figure 5.3: Operations and Maintenance Summary



All figure values are shown in current day dollars.

Through the work Council has done in preparing this Asset Management Plan, it has identified that it is projected to underfund the maintenance of the stormwater drainage system relative to the size and value of the network.

Before Council makes any adjustments, it first needs to validate its levels of service and then cost these appropriately to make sure that it can deliver on its commitments.

5.4 Renewal Plan

Renewal is major capital work which does not significantly alter the original service provided by the asset, but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is considered to be an acquisition resulting in additional future operations and maintenance costs.

Assets that need replacing are identified through analysis of asset information, site knowledge, inspections, and community feedback.

Stormwater drainage asset renewal and replacement strategies are based on the most current asset condition available at the time of developing Council's forward works programs.

5.4.1 Renewal ranking criteria

Asset renewal is typically undertaken to either:

- Ensure the reliability of the existing infrastructure to deliver the service it was constructed to facilitate, or
- To ensure the infrastructure is of sufficient quality to meet the service requirements.[5]

It is possible to prioritise renewals by identifying assets or asset groups that:

- Have a high consequence of failure,
- Have high use and subsequent impact on users would be significant,
- Have higher than expected operational or maintenance costs, and
- Have potential to reduce life cycle costs by replacement with a modern equivalent asset that would provide the equivalent service.[6]

The ranking criteria used to determine priority of identified renewal proposals is detailed in Table 5.4.1.

Table 5.4.1: Renewal Priority Ranking Criteria

Criteria	Weighting
Assets with an alarming defect and zero or no remaining life, criticality score 4 & 5 and extremely high risk	1 (Extreme)
Assets with an alarming defect and up to 10-year remaining life with criticality score 3 and high risk	2 (High)
Assets with a significant defect and up to 15-year remaining life with criticality score 2 and medium risk	3 (Medium)
Assets with a significant defect and more than 15-year remaining life with criticality score 1 and low risk	4 (Low)

Council's Infrastructure renewal demand forecasts are developed using predictive modelling. These forecasts are annually reviewed and updated as new information (e.g. condition assessments) becomes available.

These forecasts and the underlying assumptions are further reviewed to factor in specific projects and any upgrade projects that include a renewal component to provide the best available guide to renewal requirements.

The process used for formulation of the schedule of stormwater drainage renewal works submitted for budget consideration is as follows:

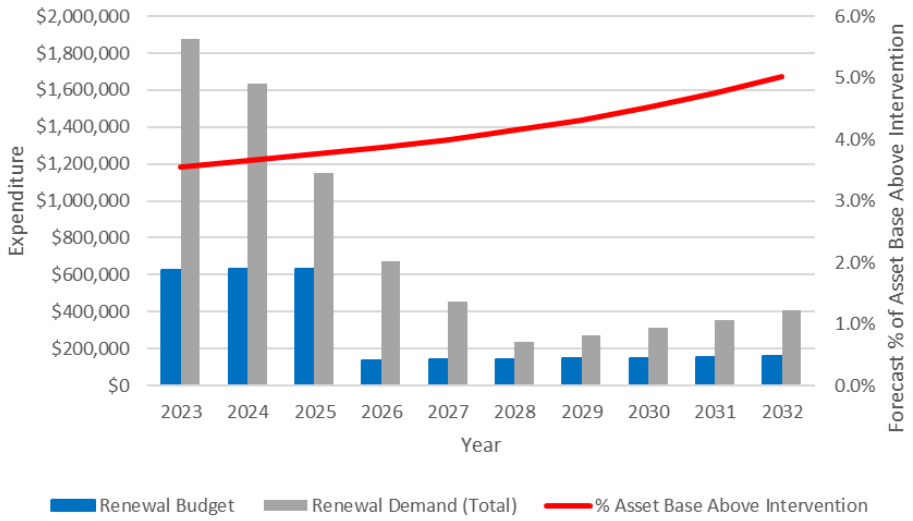
- Condition information from Council's asset management information system is used to prepare a preliminary priority listing of drainage assets that may require renewal.
- This list forwarded to the Infrastructure Management Team to validate the priority list and to define the scope of work required to match available budgets.
- The final schedule of works forms the annual drainage renewal program.

[5] IPWEA, 2015, IIMM, Sec 3.4.4, p 3|91.
[6] Based on IPWEA, 2015, IIMM, Sec 3.4.5, p 3|97.

5.5 Summary of future renewal costs

Forecast renewal costs are projected to increase over time if the asset stock increases. The forecast costs associated with renewals are shown relative to the proposed renewal budget in Figure 5.5.

Figure 5.5: Forecast Renewal Costs



All figure values are shown in current day dollars.

The forecast of Council's long term asset renewal liabilities indicates that it is projected to underfund the renewal of the stormwater drainage network.

Over the next 10 years, the predicted average annual renewal demand for Council's drainage assets is approximately $737K. According to Council's current long term capital works program, it is projected to allocate $292K on average per year for the renewal of these assets. This indicates that there is an average renewal funding gap of approximately $445K per annum.

If Council does not appropriately manage this gap, it could be faced with risks of:

- Continued deterioration of stormwater assets.
- Poor performing assets and the potential for critical asset failure.
- A decline in public confidence and community satisfaction.
- Compromised public safety and associated liability.

Council's imperative is to ensure that its assets are safe, fit for purpose and meet the needs of the community.

Council will strive to responsibly fund the renewal of its stormwater drainage network in the future. This is so it minimises the impact to the community of the costs of unsustainable asset provision by proactively renewing and maintaining Council's assets.

Council is still building a comprehensive understanding of the condition of the underground stormwater drainage system. Further analysis is required to determine how to best use what information it does have on asset condition to model the performance of the balance of the network.

In the interim, age-based calculations have been used to analyse what the long-term renewal liabilities are for Council's drainage system.

The financial forecasts made in this Asset Management Plan will be refined as Council continues to improve its data and knowledge of the stormwater drainage network.

5.6 Acquisition Plan

Acquisition reflects are new assets that did not previously exist or works which will upgrade or improve an existing asset beyond its existing capacity. They may result from growth, demand, social or environmental needs.

Assets may also be acquired from land developments and constructed by private developers who then gift these assets to Council.

5.6.1 Selection criteria

The nature of the city, being a mature urban environment in some areas and young rural environment in other parts, means that some of the municipality is generally considered to be fully serviced by the existing stormwater drainage system and in other parts, new assets will be required because of developments.

Upgrade and expansion works are associated with improving service levels (e.g., increasing the size of a stormwater pipe, etc.). Additionally, expansion works include activities that extends the capacity of an existing asset, to provide higher levels of service and/or meet changes in asset resilience requirements. Upgrade/expansion is different to asset renewal which only restores service capability.

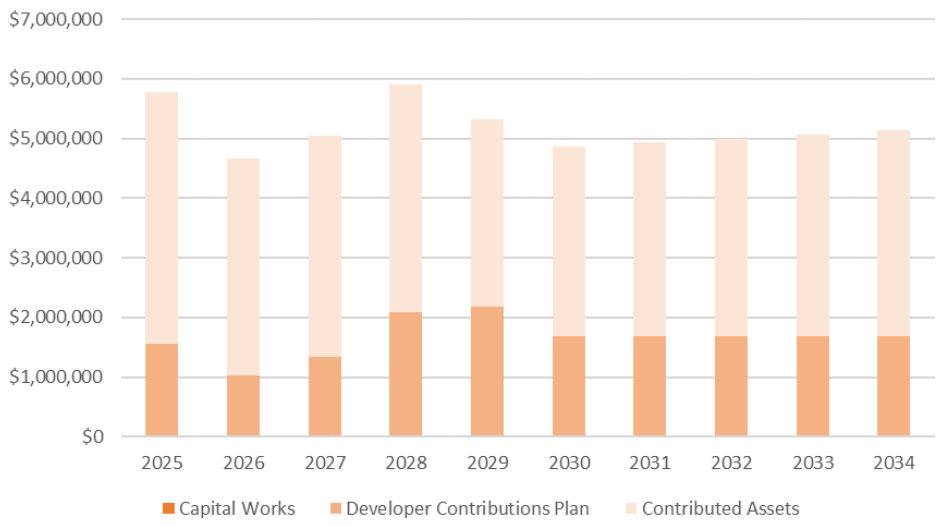
Upgrade and expansion of existing assets are identified from various sources such as drainage capacity studies, community requests, proposals identified by strategic plans, or through partnerships with other organisations.

Council's drainage strategy and other management plans helps it to rank its known flood prone sites in order of importance. It also outlines potential flood mitigation works that may be considered in alleviating flooding at these locations. Candidate projects are ranked utilising Council's capital works evaluation processes and scheduled in future works programmes depending on funding availability.

5.7 Summary of future asset acquisition costs

Forecast acquisition asset costs are summarised in Figure 5.7 and shown relative to the proposed acquisition budget.

Figure 5.7: Acquisition Summary



All figure values are shown in current day dollars.

Funding of new and upgrade works fall into the following categories depending upon the extent and type of works:

- Council funded.
- Externally funded.
- Contributed assets resulting from property development.
- Works funded through Council's Development Contributions Plan (DCP). This can be DCP Reserves or works in kind. In some cases, a cash contribution from Council is also required.

Expenditure on new assets and services in the capital works program will be accommodated in the long-term financial plan, but only to the extent that there is available funding.

Growth of the stormwater drainage network will primarily be driven by assets created through development works.

Council is working towards updating its drainage strategy to accommodate updated climate change scenarios. This work will inform further augmentation works to the existing drainage system to address capacity and flooding issues.

When Council commits to new assets, it must be prepared to fund future operations, maintenance and renewal costs. They must also account for future depreciation when reviewing long term sustainability.

When reviewing the long-term impacts of asset acquisition, it is useful to consider the cumulative value of the acquired assets being taken on by Council.

5.8 Disposal Plan

Disposal includes any activity associated with the disposal of a decommissioned asset including sale, demolition or relocation.

It is envisaged that minimal existing stormwater drainage assets may be considered for decommissioning in the foreseeable future through some renewal projects.

5.9 Summary of asset forecast costs

The financial projections from this Asset Management Plan are shown in Figure 5.9.

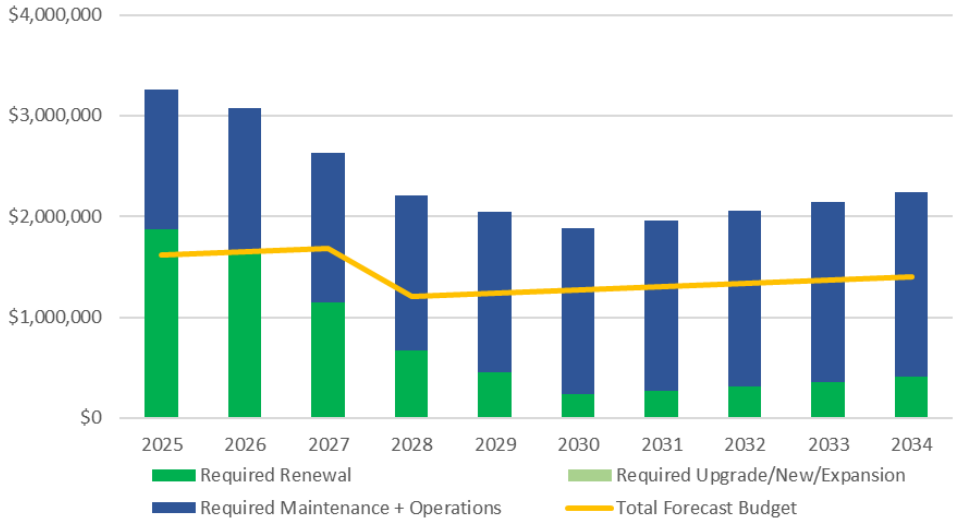
These projections include forecast costs for acquisition, operation, maintenance, renewal, and disposal. These forecast costs are shown relative to the proposed budget.

The bars in the graphs represent the forecast lifecycle costs associated with current and future service provision.

The proposed budget line indicates the estimate of available funding.

The gap between the forecast work and the proposed budget is the basis of the discussion on achieving balance between costs, levels of service and risk to achieve the best value outcome.

Figure 5.9: Lifecycle Summary



All figure values are shown in current day dollars.

The analysis completed for this Asset Management Plan shows that there is a shortfall in capital and operational funding that is required to sustain current levels of service.

Operational and maintenance costs are expected to continue to grow as the asset base increases in size and value in line with land development.

Most stormwater drainage renewal works are not funded and continued deferral of will have a cumulative impact resulting in an ever-increasing backlog.

Council is also building a better understanding of what new and upgrade works will be required across the drainage network to improve capacity. This will place additional fiscal pressure on Council to fund upgrade works, particularly considering climate change impacts, to provide a drainage system that is fit for purpose.

6.0 RISK MANAGEMENT PLANNING

The purpose of infrastructure risk management is to document the findings and recommendations resulting from the periodic identification, assessment and treatment of risks associated with providing services from infrastructure, using the fundamentals of International Standard ISO 31000:2018 Risk management – Principles and guidelines.

Risk Management is defined in ISO 31000:2018 as: 'coordinated activities to direct and control with regard to risk'[7].

An assessment of risks associated with service delivery will identify risks that will result in loss or reduction in service, personal injury, environmental impacts, a 'financial shock', reputational impacts, or other consequences.

The risk assessment process identifies credible risks, the likelihood of the risk event occurring, and the consequences should the event occur. The risk assessment should also include the development of a risk rating, evaluation of the risks and development of a risk treatment plan for those risks that are deemed to be non-acceptable.

6.1 Critical Assets

Critical assets are defined as those which have a high consequence of failure or reduction in service. It is important to identify critical assets as well as the critical failure modes. This makes it possible to target and refine maintenance plans, capital expenditure plans, and investigative activities at the critical areas.

The criticality framework Council uses for its stormwater drainage assets is shown in Table 6.1. This framework considers the consequences from Council's risk management procedure and other factors that affect the community. Further work is needed to systemise this framework to ensure it is embedded as part of Council's overall approach to managing service and infrastructure risk.

Table 6.1 - Criticality Framework

Factor	Assessment Guide
Location of infrastructure	At regionally significant lifelines facility (hospitals), schools, arterial roads, buildings, city centre, under train track, industrial zones.
Flooding Factor	Flood depth as per flood model to assess the impact due to the depth of flooding
Density of the areas	To assess the impact due to loss of service
Critical facilities	If the infrastructure is servicing critical facilities like hospitals, schools, etc.
Cause of pollution	Asset with no GPT/Swales/Raingardens or leading to or near to pollution prone areas.
Catchment area	Basins with catchment Area with area >500,000,000 sq. metres

Application of this framework allows Council to allocate its finite resources through targeting its inspection and maintenance efforts and by informing capital expenditure plans.

Criticality needs to be quantified and incorporated in Council's asset management data to fully realise the benefits of this framework.

[7] ISO 31000:2009, p 2

6.2 Risk Assessment

The risk management process used is shown in Figure 6.2 below.

It is an analysis and problem-solving technique designed to provide a logical process for the selection of treatment plans and management actions to protect the community against unacceptable risks.

The process is based on the fundamentals of International Standard ISO 31000:2018.

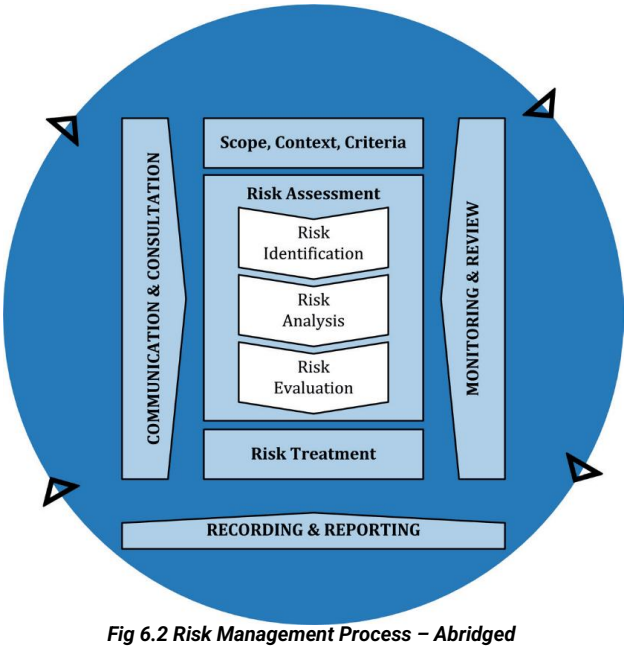


Fig 6.2 Risk Management Process – Abridged

Source: ISO 31000:2018, Figure 1, p9

An assessment of risks associated with service delivery from infrastructure assets identifies the most critical risks. The risk assessment process also helps Council to identify and assess credible risks, assign a risk rating, and develop risk mitigation plans for non-acceptable risks.

An assessment of risks associated with service delivery has identified risks that will result in public disruption, personal injury, a 'financial shock' or reputational impacts. These risks are presented in Appendix A. The residual risk of implementing the selected treatment plan/control is also shown. Note that the residual risk is the risk remaining after the selected risk treatment plan is implemented.

6.3 Infrastructure Resilience Approach

The resilience of Council's critical infrastructure is vital to the ongoing provision of services to customers. To adapt to changing conditions Council needs to understand its capacity to 'withstand a given level of stress or demand', and to respond to possible disruptions to ensure continuity of service.

We do not currently measure our resilience in service delivery. Measures of resilience will be developed in future updates of this AM Plan.

6.4 Service and Risk Trade-Offs

The decisions made in adopting this AM Plan are based on the objective to achieve the optimum benefits from the available resources.

6.4.1 What we cannot do

There are some operations and maintenance activities and capital projects that are unable to be undertaken within the next 10 years. These include:

- Provide a fully compliant drainage network to meet the capacity requirements of the Infrastructure Design Manual.
- Complete condition assessments for all drainage assets.
- Address and mitigate all flood hot spot areas as identified in Council's various drainage studies.
- Address and mitigate impacts of climate change on Council drainage infrastructure (i.e. outfall management impact due to sea level rise).
- Improve stormwater discharge quality to align with the performance targets within the CSIRO guidelines.

6.4.2 Service trade-off

If there is forecast work (operations, maintenance, renewal, acquisition or disposal) that cannot be undertaken due to available resources, then this will result in service consequences for users. These service consequences include:

- Property owners will continue to be impacted by overland flooding during heavy storm events.
- Stormwater discharge water quality may continue to impact on water body quality.
- Delayed renewal and replacement of existing drainage infrastructure assets.
- Reduction of investment and provision of new and upgraded drainage infrastructure.

6.4.3 Risk trade-off

The operations and maintenance activities and capital projects that cannot be undertaken may sustain or create risk consequences. These risk consequences include:

- Reduction in serviceability or failure of critical drainage infrastructure
- Stormwater drainage failure risk remains due to gaps in asset condition assessment data.
- Property owners will continue to be impacted by overland flooding during heavy storm events.
- Stormwater discharge water quality may continue to impact on natural water bodies and local environment.

These actions and expenditures are considered and included in the forecast costs, and where developed, the Risk Management Plan.

7.0 FINANCIAL SUMMARY

This section contains the financial requirements resulting from the information presented in the previous sections of this AM Plan. The financial projections will be improved as the discussion on desired levels of service and asset performance matures.

7.1 Financial Sustainability and Projections

7.1.1 Sustainability of service delivery

There are two key indicators of sustainable service delivery that are considered in the AM Plan for this service area. The two indicators are the:

- Asset Renewal Funding Ratio (proposed renewal budget for the next 10 years / proposed renewal outlays for the next 10 years shown in the AM Plan), and
- Lifecycle Funding Ratio (proposed lifecycle budget for the next 10 years / proposed lifecycle outlays for the next 10 years shown in the AM Plan).

Asset Renewal Funding Ratio

Asset Renewal Funding Ratio[8]: **40%**

The Asset Renewal Funding Ratio is an important indicator and illustrates that over the next 10 years Council expects to have **40%** of the funds required for the optimal renewal of assets.

Lifecycle Funding Ratio – 10-year financial planning period

This AM Plan identifies the forecast operations, maintenance and renewal costs required to provide an agreed, and affordable level of service to the community over a 10-year period. This provides input into 10 year financial and funding plans aimed at providing the required services in a sustainable manner.

This forecast work can be compared to the proposed budget over the first 10 years of the planning period to identify any funding shortfall.

The forecast operations, maintenance and renewal costs over the 10-year planning period is $2.35 million on average per year.

The proposed (budget) operations, maintenance and renewal funding is $1.41 million on average per year giving a 10-year funding shortfall of $944K per year. This indicates that 0.60 of the forecast costs needed to provide the services documented in this AM Plan are accommodated in the proposed budget. Note, these calculations exclude acquired assets.

Providing sustainable services from infrastructure requires the management of service levels, risks, forecast outlays and financing to achieve a financial indicator of approximately 1.0 for the first years of the AM Plan and ideally over the 10-year life of the Long-Term Financial Plan.

7.1.2 Forecast Costs (outlays) for the long-term financial plan

Appendix B shows the proposed 10-year funding plan for Council's stormwater drainage assets to inform the long-term financial plan.

It is recommended that current forecast budgets for capital works and maintenance be retained until such time that greater confidence is established in Council's stormwater drainage data is established and is better aligned with its service objectives.

Council's funding plan for stormwater drainage will be continually reviewed as new information becomes available on growth, demand, service levels, and asset performance. Updates to future funding needs will inform Council's financial planning instruments and updates of this Asset Management Plan.

[8] AIFMM, 2015, Version 1.0, Financial Sustainability Indicator 3, Sec 2.6, p 9.

7.2 Funding Strategy

The proposed funding for assets is outlined in Council's annual budget and Long-Term financial plan.

Council's financial strategy determines how funding will be provided, whereas the Asset Management Plan communicates how and when this will be spent, along with the service and risk consequences of various service alternatives.

7.2.1 Funding Sources

Funding for assets is provided from Council's annual budget and Financial Plan. The financial strategy determines how funding will be provided, whereas the Asset Management Plan communicates how and when this will be spent, along with the service and risk consequences of differing options.

Council uses several different funding sources to maintain, renew and improve its drainage assets. These are:

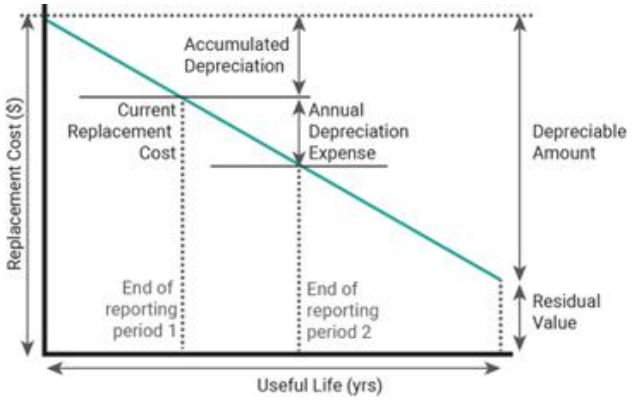
Table 7.2.1: Funding Sources

Activity	Funding Source
Maintenance and Operations	▪ Council's own source funds.
Renewal	▪ Council's own source funds.
Capital Improvement **(i.e., new, upgrade, and expansion**	▪ Council's own source funds. ▪ Council's available cash reserves. ▪ External grant opportunities. ▪ Special Charge Schemes. ▪ Developer contributions and donated assets.

7.3 Valuation Forecasts

7.3.1 Asset valuations

The best available estimate of the value of assets included in this AM Plan are shown below.



Assets are valued at fair value at cost to replace service capacity:

Replacement Cost (Gross)	$ 140,411,052
Depreciable Amount	$ 140,411,052
Depreciated Replacement Cost[9]	$ 95,264,434
Annual Depreciation Expense	$ 1,018,262

7.3.2 Valuation forecast

Asset values are forecast to increase as additional assets are added.

Additional assets will generally add to the operations and maintenance needs in the longer term. Additional assets will also require additional costs due to future renewals. Any additional assets will also add to future depreciation forecasts.

7.4 Key Assumptions Made in Financial Forecasts

In compiling this AM Plan, it was necessary to make some assumptions. This section details the key assumptions made in the development of this AM plan and should provide readers with an understanding of the level of confidence in the data behind the financial forecasts.

Key assumptions made in this AM Plan are:

- All expenditure is stated in dollar values as of 1 July 2024 with no allowance made for inflation over the 10-year planning period.
- Operations and maintenance expenditure are based on the current 2024/25 budget allocations and includes forecast annual increases for materials and services and employee costs (2.5 per cent annually).
- Staffing needs are resourced adequately.
- Capital expenditure forecasts are taken from Council's Long Term Capital Works Program.
- The forecast renewal costs made in this Asset Management Plan are based on the asset data register as of 1 July 2024.
- Useful lives used for renewal analysis are as indicated in Council's asset register.
- Renewal intervention condition for all assets included in the calculation of future renewal demand is '4 – Poor'.
- Stormwater drainage assets will remain in Council ownership throughout the period covered by this Asset Management Plan unless specifically detailed otherwise.
- Standards, Acts and Regulations concerning drainage assets will remain essentially the same over the period covered by this Asset Management Plan.

7.5 Forecast Reliability and Confidence

The forecast costs, proposed budgets, and valuation projections in this AM Plan are based on the best available data.

For effective asset and financial management, it is critical that the information is current and accurate.

Data confidence is classified on an A - E level scale[10] in accordance with Table 7.5.1.

[9] Also reported as Written Down Value, Carrying Amount or Net Book Value in some jurisdictions.
[10] IPWEA, 2015, IIMM, Table 2.4.6, p 2|71.

Table 7.5.1: Data Confidence Grading System

Confidence Grade	Description
A. Very High	Data based on sound records, procedures, investigations and analysis, documented properly and agreed as the best method of assessment. Dataset is complete and estimated to be accurate ± 2%
B. High	Data based on sound records, procedures, investigations and analysis, documented properly but has minor shortcomings, for example some of the data is old, some documentation is missing and/or reliance is placed on unconfirmed reports or some extrapolation. Dataset is complete and estimated to be accurate ± 10%
C. Medium	Data based on sound records, procedures, investigations and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available. Dataset is substantially complete but up to 50% is extrapolated data and accuracy estimated ± 25%
D. Low	Data is based on unconfirmed verbal reports and/or cursory inspections and analysis. Dataset may not be fully complete, and most data is estimated or extrapolated. Accuracy ± 40%
E. Very Low	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is shown in Table 7.5.2.

Table 7.5.2: Data Confidence Assessment for Data used in AM Plan

Data	Confidence Assessment	Comment
Levels of Service and Performance Measures	D	Service levels are yet to be formalised for stormwater drainage assets. Work is required to document these validate performance measures and targets against annual budget allocations.
Demand forecast analysis and projections	C	Work is being done to update Council's drainage strategy. Once completed, recommended outcomes need to inform Council's Long Term Capital Works Program and future versions of this Asset Management Plan.
Performance data (asset degradation)	C	Further analysis of historical condition information needed to establish actual degradation patterns.
Condition data	C	Council has a rolling program to assess small portions of the drainage network each year. Further analysis is needed to build a condition profile for the whole of the system using available information.
Asset inventory data	C	The stormwater drainage asset register should be reviewed to make sure that information is consistent including asset descriptions.
Risk management	A	Customer requests related to drainage clearly categorised. Low level of insurance claims and effective risk register.
Long Term Financial Plan	C	Integration between financial outputs from Asset Management Plans and the Financial Plan needs strengthening.

The estimated confidence level for and reliability of data used in this AM Plan is C - Medium. The implementation of improvement actions identified in Section 8 will result in increased levels of confidence in future revisions of this Asset Management Plan.

8.0 PLAN IMPROVEMENT AND MONITORING

8.1 Status of Asset Management Practices[11]

8.1.1 Accounting and financial data sources

This AM Plan utilises accounting and financial data. The source of the data is Council's Asset Management Information System, Conquest.

8.1.2 Asset management data sources

This AM Plan also utilises asset management data. The source of the data is Council's Asset Management Information System, Conquest.

8.2 Improvement Plan

It is important that an entity recognise areas of their AM Plan and planning process that require future improvements to ensure effective asset management and informed decision making. The improvement plan generated from this AM Plan is shown in Table 8.2.

Table 8.2: Improvement Plan

Task	Task	Responsibility	Resources Required	Timeline
1	Continue to collect and refine drainage asset data suitable to inform strategic and operational analysis and decisions.	Strategic Asset Management	Internal/External	Ongoing
2	Continue annual CCTV condition inspections of network samples to improve the quality of existing asset data including spatial mapping.	Strategic Asset Management	Internal/External	Ongoing
3	Extend annual condition audits of stormwater pipes to include drainage pits.	Strategic Asset Management	Internal/External	2024/25
4	Complete review and update of Council's drainage strategies. Review the Long-Term Capital Works Program and this Asset Management Plan to include key outputs.	City Strategy Strategic Asset Management	Internal/External	2024/25

[11] ISO 55000 Refers to this as the Asset Management System

Task	Task	Responsibility	Resources Required	Timeline
5	Establish a hierarchy for stormwater drainage assets and apply to the existing drainage network to identify critical assets. Include this information in Council's asset register.	Strategic Asset Management	Internal	2025/26
6	Review and implement processes to measure the community's level of satisfaction with Council's stormwater drainage services at least annually.	Strategic Asset Management	Internal	2025/26
7	Review and formalise levels of service for operational management of the stormwater drainage network. This should include establishing annual budget and resource requirements.	Strategic Asset Management Municipal Operations	Internal	2025/26
8	Review current operational practices with a view to transitioning to a more programmed maintenance approach across the whole of the drainage system.	Strategic Asset Management Municipal Operations	Internal	2025/26
9	Review current selection process used to determine which pipes are included in the annual CCTV inspection program to potentially compliment investigative works necessary to scope Council's capital works projects.	Strategic Asset Management	Internal	2025/26
10	Using collected condition data, assess asset performance by considering pipe material, construction date, topography, maintenance history, and other environmental factors and apply to network.	Strategic Asset Management	Internal/External	2026/27
11	Develop a maintenance and operations plan for SQIDs to ensure their proper function. Ensure that relevant staff have the requisite skills and knowledge to adequately perform maintenance on SQIDs.	Strategic Asset Management Municipal Operations	Internal/External	2026/27
12	Complete a revaluation of stormwater drainage assets consistent with Council's Asset Accounting Policy.	Strategic Asset Management	Internal	Align with policy

8.3 Monitoring and Review Procedures

This Asset Management Plan has a long-term vision with a 4-year focus. It is a living document which is relevant and integral to daily asset management activity. This Plan will be formally reviewed and updated in the year following Council general elections, in line with s92.4 of the Local Government Act 2020.

Intermediate reviews and amendments may be made should there be any material changes to Council financial policy, levels of service, or to accommodate any resource needs from relevant strategies.

8.4 Performance Measures

The effectiveness of this AM Plan can be measured in the following ways:

- The degree to which the required cash flows identified in this asset management plan are incorporated into Council's long-term financial planning process and works planning.
- The performance against the measures assigned to levels of service.
- The Asset Renewal Funding Ratio achieving the Council's target of between 90-110%.

  The progress of implementing the actions identified in the improvement plan.

9.0 REFERENCES

- IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/IIMM
- IPWEA, 2015, 3rd edn., 'International Infrastructure Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/IIMM
- IPWEA, 2008, 'NAMS.PLUS Asset Management', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/namsplus.
- IPWEA, 2015, 2nd edn., 'Australian Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney, www.ipwea.org/AIFMM.
- IPWEA, 2020 'International Infrastructure Financial Management Manual', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2018, Practice Note 12.1, 'Climate Change Impacts on the Useful Life of Assets', Institute of Public Works Engineering Australasia, Sydney
- IPWEA, 2012, Practice Note 6 Long-Term Financial Planning, Institute of Public Works Engineering Australasia, Sydney, https://www.ipwea.org/publications/ipweabookshop/practicenotes/pn6
- IPWEA, 2014, Practice Note 8 – Levels of Service & Community Engagement, Institute of Public Works Engineering Australasia, Sydney, https://www.ipwea.org/publications/ipweabookshop/practicenotes/pn8
- ISO, 2014, ISO 55000:2014, Overview, principles and terminology
- ISO, 2018, ISO 31000:2018, Risk management – Guidelines
- Warrnambool 2040 (Community Vision)
- Council Plan
- Long Term Financial Plan
- Asset Management Policy
- Asset Management Strategy

10.0 APPENDICES

Appendix A – Stormwater Drainage Risk Register

RISK IDENTIFICATION			RISK ASSESSMENT				Effect. of Current Controls	Further Action if Required
Risk Event	Cause	Possible Impact	Current controls	Likelihood	Consequence	Level of Risk (current controls)		
Failure to deliver and maintain assets that are safe and sustainable	Lack of resources to manage stormwater drainage services	Safety	Responsibilities for lifecycle asset management functions are defined and understood Long Term Capital Works Program, financial modelling and analysis outcomes from Asset Management Plans inform the Financial Plan	Unlikely	Moderate	Medium	Fully Effective	
Ineffective financial forecasting and strategic decision making	Lack of quality of processes, accurate asset data, and supporting systems	Financial	Current asset register with complete, accurate, and consistent data Asset Management Information System Lifecycle management plans Continuing staff development	Unlikely	Moderate	Medium	Substantially Effective	Review existing data to ensure that information for stormwater drainage assets is complete (e.g. quantities, condition - where available, etc.).
	Using age as a determinant for asset condition does not give a realistic assessment of network performance	Financial	Current asset register with date of commissioning CCTV inspection program.	Possible	Moderate	Medium	Substantially Effective	Continue with ongoing inspections of drainage network - Use criticality to guide priorities. Review existing data sources (i.e. design plans) to establish construction dates for legacy assets. Where information does not exist, establish construction dates based on reasonable assumptions. Record date of construction for newly constructed assets.

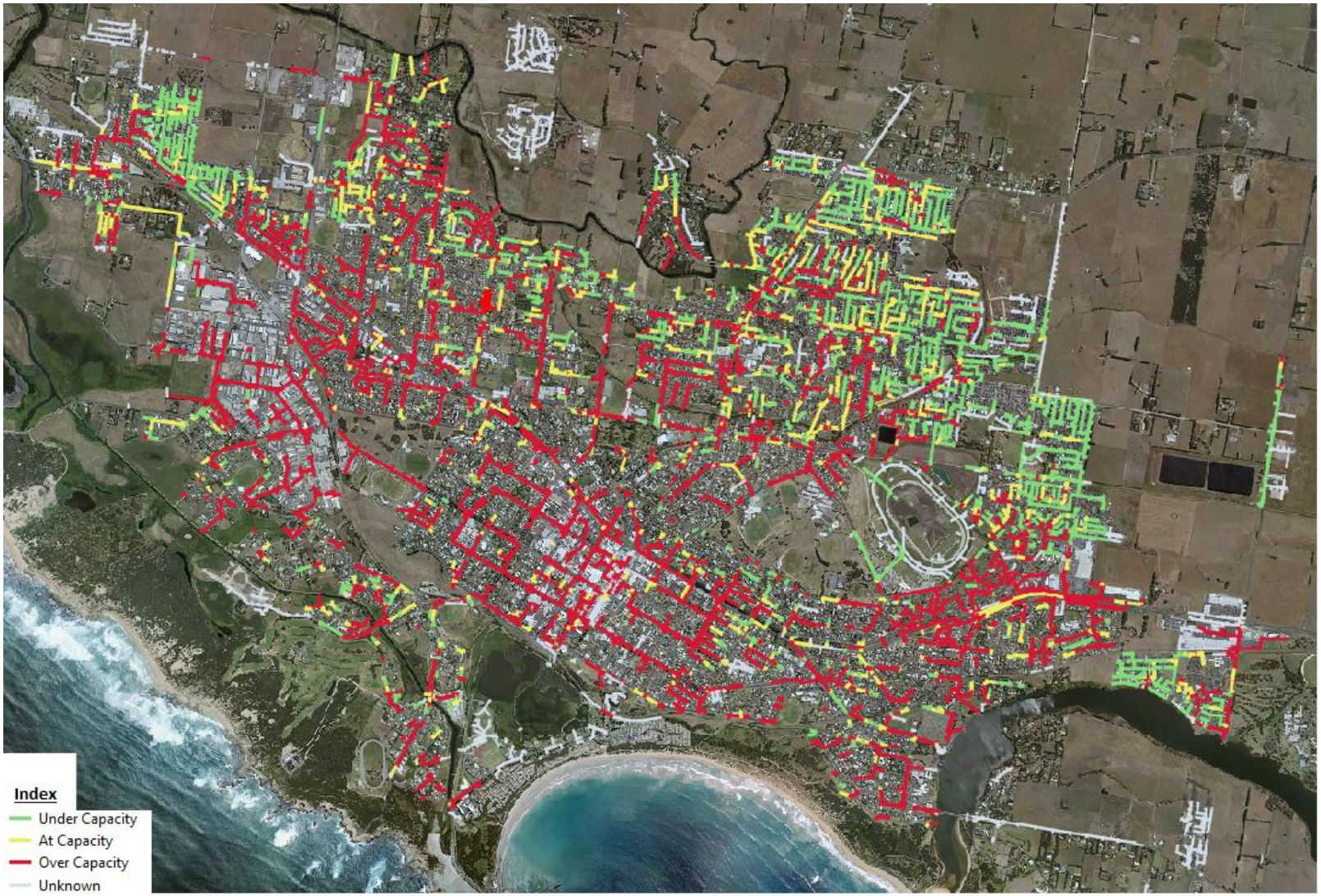
RISK IDENTIFICATION			RISK ASSESSMENT				Effect. of Current Controls	Further Action if Required
Risk Event	Cause	Possible Impact	Current controls	Likelihood	Consequence	Level of Risk (current controls)		
Flooding threatening the safety of property and people	Ability of the stormwater drainage network to cater for the potential for increased extreme rainfall events	Safety	Flood mapping information Flood modelling investigation and feasibility study to identify under capacity assets CCTV inspections Maintenance, renewal, and upgrade of stormwater drainage network	Possible	Major	High	Fully Effective	
	Modification of drainage patterns leading to flooding	Reputation	Flood mapping information Planning controls Long Term Capital Works Program	Unlikely	Moderate	Medium	Fully Effective	
	Failure of critical drainage infrastructure (e.g. drainage tunnels, large diameter pipes, etc.).	Safety	CCTV inspections Maintenance, renewal, and upgrade of stormwater drainage network	Possible	Moderate	Medium	Fully Effective	
	Lack of capacity in areas of drainage network due to blockages, undersized pipes, etc.	Reputation	Flood modelling and mapping to identify under capacity drainage assets CCTV inspections Maintenance, renewal, and upgrade of stormwater drainage network Development Contributions Plan	Possible	Moderate	Medium	Fully Effective	

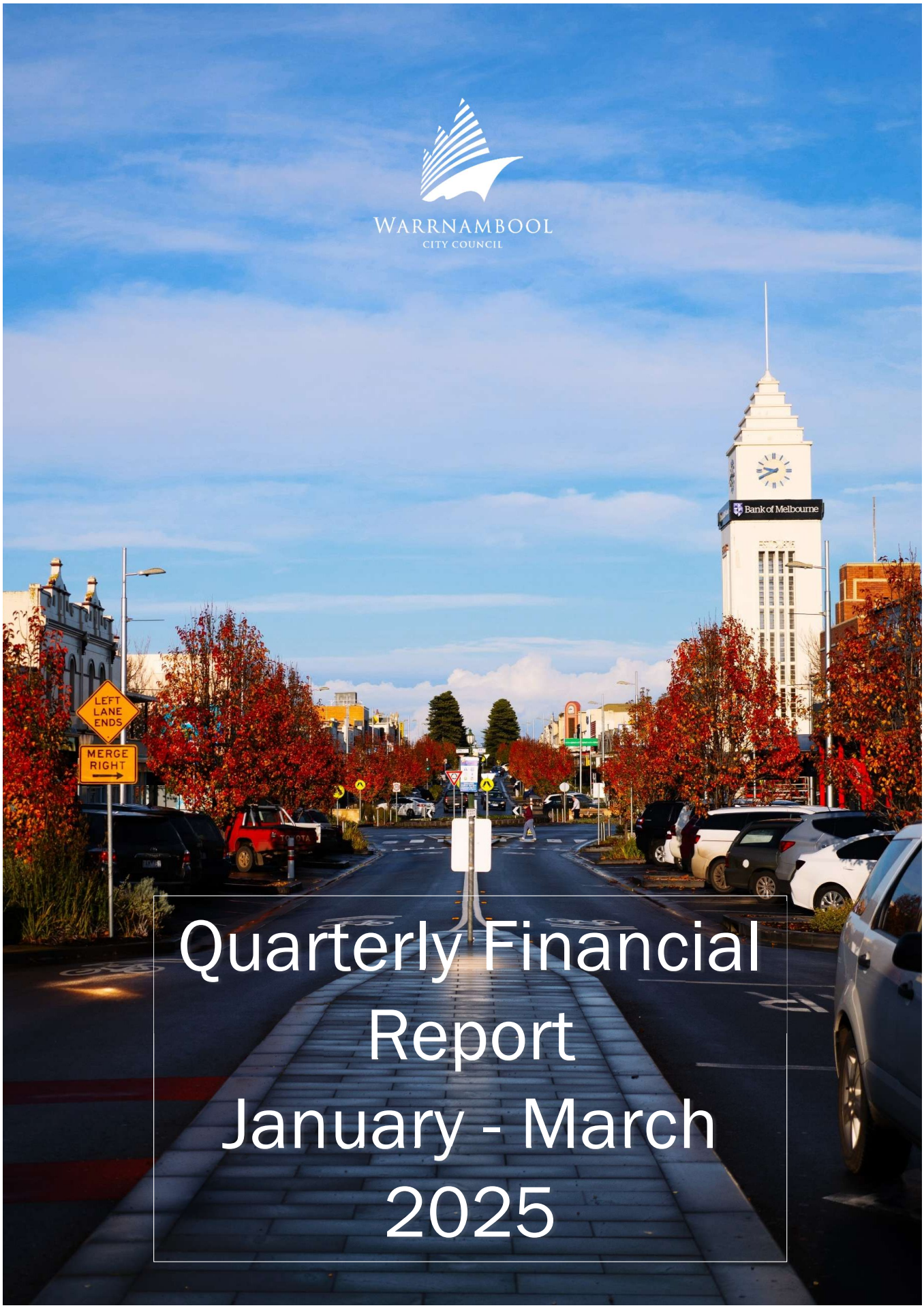
RISK IDENTIFICATION			RISK ASSESSMENT				Effect. of Current Controls	Further Action if Required
Risk Event	Cause	Possible Impact	Current controls	Likelihood	Consequence	Level of Risk (current controls)		
Contamination of environment and natural waterways	Stormwater pollutants (i.e. natural, chemical, and litter) discharges to waterways	Reputation	Integrated Water Management Plan Maintenance, renewal, and upgrade of stormwater drainage network Street sweeping program Water Sensitive Urban Design (WSUD)	Possible	Moderate	Medium	Substantially Effective	Increased proactive maintenance of stormwater drainage system Greater incorporation of WSUD in the urban environment, including gross pollutant traps Implementation of recommendations from Blue Warrnambool initiatives Increased public education and awareness of environmental protection. Establish stormwater quality benchmarks and actively monitor and report

Appendix B – Proposed 10 Year Expenditure Plan

Project	Exp. Category	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Capital											
Drainage Capital Works	Renewal	626,595	627,260	627,941	28,640	29,356	30,090	30,842	31,613	32,403	33,214
Total CAPEX		**626,595**	**627,260**	**627,941**	**28,640**	**29,356**	**30,090**	**30,842**	**31,613**	**32,403**	**33,214**
Recurrent – Operations and Maintenance											
214500 - Roads & Drainage Operations & Admin											
1014 - Plant Operating Costs	OPEX	32,905	33,728	34,571	35,435	36,321	37,229	38,160	39,114	40,092	41,094
1070 - Management	OPEX	161,665	165,707	169,849	174,096	178,448	182,909	187,482	192,169	196,973	201,897
1167 - Storm Damage Response	OPEX	20,835	21,356	21,890	22,437	22,998	23,573	24,162	24,766	25,385	26,020
1189 - Emergency Response/Callouts/Standby Allow	OPEX	36,725	37,643	38,584	39,549	40,538	41,551	42,590	43,654	44,746	45,864
1220 - West Warrnambool Operations	OPEX	35,500	36,388	37,297	38,230	39,185	40,165	41,169	42,198	43,253	44,335
1700 - Tool Box/Staff Meetings	OPEX	28,937	29,660	30,402	31,162	31,941	32,740	33,558	34,397	35,257	36,138
1740 - Sundry Items	OPEX	24,500	25,113	25,740	26,384	27,043	27,720	28,412	29,123	29,851	30,597
214000 - Stormwater Drainage											
1212 - Outfall Drains/Litter Traps	OPEX	31,732	32,525	33,338	34,172	35,026	35,902	36,799	37,719	38,662	39,629
1213 - Pumping Stations	OPEX	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489
1215 - Urban - Pit Maintenance	OPEX	165,748	169,892	174,139	178,492	182,955	187,529	192,217	197,022	201,948	206,997
1216 - Urban - Pit & Pipe Cleaning	OPEX	257,056	263,482	270,069	276,821	283,742	290,835	298,106	305,559	313,198	321,028
1219 - West Warrnambool Basin	OPEX	11,315	11,598	11,888	12,185	12,490	12,802	13,122	13,450	13,786	14,131
1729 - Main Drain Cleaning	OPEX	45,095	46,222	47,378	48,562	49,776	51,021	52,296	53,604	54,944	56,317
1730 - Main Drain Maintenance	OPEX	31,150	31,929	32,727	33,545	34,384	35,243	36,124	37,028	37,953	38,902
1732 - Open Drain Maintenance	OPEX	48,095	49,297	50,530	51,793	53,088	54,415	55,775	57,170	58,599	60,064
1733 - Outfall Drain/Litter Traps Maintenance	OPEX	47,095	48,272	49,479	50,716	51,984	53,284	54,616	55,981	57,381	58,815
1734 - Pump Station Maintenance	OPEX	7,472	7,659	7,850	8,047	8,248	8,454	8,665	8,882	9,104	9,332
Total OPEX		**995,825**	**1,020,721**	**1,046,239**	**1,072,395**	**1,099,204**	**1,126,685**	**1,154,852**	**1,183,723**	**1,213,316**	**1,243,649**
Total Expenditure		**1,622,420**	**1,647,981**	**1,674,180**	**1,101,035**	**1,128,560**	**1,156,774**	**1,185,694**	**1,215,336**	**1,245,719**	**1,276,862**

Appendix C – Drainage Capacity Analysis





Quarterly Financial Report January - March 2025

Quarterly Financial Report

Jan - Mar 2025

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Quarterly Financial Report

Jan - Mar 2025

1. Executive Summary

The quarterly report is designed to illustrate the financial performance and position of Warrnambool City Council compared to its adopted and forecast budget for the period ending 31 March 2025.

The nine months actual results indicate a favourable financial position of $0.077m to the forecast budget.

Key Financial Results	Adopted Budget $'000	Forecast $'000	YTD Forecast $'000	YTD Committed $'000	YTD Variance to Forecast $'000	
Rates	48,577	48,627	48,623	48,589	(34)	▼
Recurrent Income	53,836	54,619	42,580	42,653	73	▲
Recurrent Expenditure	(84,975)	(86,316)	(63,923)	(63,747)	176	▲
Net Recurrent Surplus/(Deficit)	**(31,139)**	**(31,697)**	**(21,344)**	**(21,095)**	**249**	▲
Project Income	679	2,597	1,545	1,573	27	▲
Project Expenditure	(1,907)	(10,088)	(3,709)	(3,820)	(111)	▼
Net Project Surplus/(Deficit)	**(1,228)**	**(7,491)**	**(2,164)**	**(2,247)**	**(84)**	▼
Capital Income	3,669	10,762	3,513	3,468	(45)	▼
Capital Expenditure	(18,381)	(36,800)	(17,658)	(17,667)	(9)	▼
Net Capital Surplus/(Deficit)	**(14,712)**	**(26,038)**	**(14,146)**	**(14,200)**	**(54)**	▼
Loan Drawdowns	0	0	0	0	0	▬
Loan Repayments	(1,679)	(1,679)	(1,255)	(1,255)	(0)	▬
Net Financing Position	**(1,679)**	**(1,679)**	**(1,255)**	**(1,255)**	**(0)**	▬
Surplus / (Deficit) Brought Forward	0	18,054	18,054	18,054	0	▬
Total	(181)	(223)	27,770	27,847	77	▲

Rates: Unfavourable variance due to commercial rate objections processed in the quarter ending March 25.

Recurrent: is $0.249m favourable to forecast. Recurrent income is slightly higher than forecast with the major variances being favourable of $222k for an insurance claim and external recharge works requiring budget variations to resolve this variance and $131k higher interest income than anticipated which is offset by an unfavourable variance in fee income at the Holiday Parks due to lower patronage ($0.158m) and less income than forecast at the early learning centres because vacancies in 3 year old placements ($0.130m). There continues to be a favourable variance in employee costs partially due to vacant positions and there is an unfavourable variance in materials and services due to several factors including timing. Refer to section 4 for further details.

Projects: Unfavourable variance of ($0.084m) partially due to a pending budget variation for the 2025 Kerbside Bin Audit ($33k), ($20k) additional works done on the Allansford Flood Study and South Warrnambool Flood Investigation, and a ($5k) unfavourable variance in the Foreshore Precinct Plan (approved by Council) with the balance due to timing.

Capital Works: is ($0.054m) unfavourable to forecast.

Capital income is lower than forecast mainly due to the timing of fleet disposals.

Capital expenditure is slightly unfavourable to forecast mainly due to developer contribution plan design costs to be funded from reserves once the design costs are finalised ($0.118m) offset by a $0.160m favourable variance in Drainage Construction due to dry conditions reducing the need for drainage replacement projects with the balance due to timing of projects.

Quarterly Financial Report

Jan - Mar 2025

2. Top 5 Favourable to Forecast Recurrent Services

The below summary details the year to date Top 5 recurrent services with a favourable position to the forecast budget and associated commentary.

No.	Key Financial Results	Forecast $'000	YTD Forecast Budget $'000	YTD Committed $'000	YTD Variance to Forecast $'000	
1	Infrastructure Management	(862)	(713)	(539)	174	▲
2	Project Management	(494)	(844)	(680)	164	▲
3	Drainage Maintenance	(966)	(711)	(583)	128	▲
4	Banking & Treasury	7,242	6,751	6,865	114	▲
5	Aquazone	(1,063)	(763)	(657)	106	▲

Commentary

1: Infrastructure Management:

Reason: Favourable variance in salaries of $132k which includes $41k of salaries being moved to the Natural Disaster Response Recovery Claim and the balance due to various vacant positions that arose during the year. Supervision fee income is higher than budgeted of $15k resulting from greater than anticipated subdivision and infrastructure values. The balance of the favourable variance is mainly due to timing of expenditure.

2: Project Management:

Reason: Favourable variance due to a position vacant full year to date $100k, wages costed to capital projects $53k and a vehicle re-allocated back to pool vehicle status $9k.

3: Drainage Maintenance:

Reason: $128k favourable variance due to drier conditions, resulting in lower labour and plant hire costs within Drainage Maintenance. Consequently, staff resources were utilised in other construction projects. The underspend in Drainage Maintenance is assisting to reduce the impact of overspends in compliance areas within Parks & Gardens and Footpath Renewal.

4: Banking & Treasury:

Reason: Mainly due to interest income being higher than forecast resulting in a favourable variance.

5: Aquazone:

Reason: Savings in salaries of $71k due to staff shortages. Renewing the outdoor pool through capital expenditure this year has led to decreased preventative maintenance expenditure resulting in savings of $33k. The balance of the favourable variance is due to timing.

3. Top 5 Unfavourable to Forecast Recurrent Services

The below summary details the year to date Bottom 5 recurrent services with an unfavourable position to the forecast budget and associated commentary.

No.	Key Financial Results	Forecast $'000	YTD Forecast Budget $'000	YTD Committed $'000	YTD Variance to Forecast $'000	
1	Parks & Gardens	(4,618)	(3,571)	(3,837)	(266)	▼
2	Holiday Parks	1,687	1,809	1,641	(168)	▼
3	Building Strategy & Services	(1,997)	(1,689)	(1,855)	(166)	▼
4	Local Laws	(226)	(154)	(305)	(151)	▼
5	Lighthouse Theatre	(462)	(341)	(462)	(121)	▼

Commentary

1: Parks & Gardens:

Reason: $150k additional tree trimming costs to meet compliance requirements, $82k maintenance costs at Reid Oval and the balance is due to increased watering activities and related repairs and maintenance.

Action: To be offset within the Depot Operations budget for 2024-25.

2: Holiday Parks:

Reason: Unfavourable variance in fee income of ($158k) because of a poor spring season and lower than forecast labour day patronage due to the Nipper's Carnival being relocated. Water costs are higher than forecast of ($27k) partially offset by timing of other operating expenditure.

Action: Fee income over April exceeded forecasts due to higher than anticipated patronage during the Easter, ANZAC Day and the May Racing Carnival holiday periods.

3: Building Strategy & Services:

Reason: Variance mainly due to the timing of the review of completed open purchase orders.

Action: Completed purchase orders reviewed and closed in April.

4: Local Laws:

Reason: Unfavourable variance of ($176k) in salaries resulting from an even budget allocation of employee costs across the three Local Law areas (Animal Management, Local Laws and Parking Management) whereas the actual costs are reflective of staff allocating their time to each individual area they work in. Overtime and allowances have been underbudgeted by a net unfavourable variance of ($14k). A $25k favourable variance in Local Laws income provides a partial offset to the overall unfavourable variance.

Action: No action is required as the net variance in employee costs across the Local Laws branch (Animal Management, Local Laws and Parking Management) is ($18k) unfavourable with the overall variance across the branch being $25k favourable.

5: Lighthouse Theatre:

Reason: Operational expenses above forecast partially due to additional cleaning requirements ($30k), stage fly maintenance previously covered by the Building Services area ($10k), casual payroll due to greater than expected activation ($12k) offset by higher income, with the balance due to timing of materials and services expenditure.

Action: The timing variance will resolve itself by the end of the financial year and the operational expenditure variance is permanent this financial year with budgets allocated in 2025-26.

Quarterly Financial Report

Jan - Mar 2025

4. Statement of Comprehensive Income

	Adopted Budget $'000	Forecast $'000	YTD Forecast $'000	YTD Committed $'000	YTD Variance to Forecast $'000	%	
Revenue							
Rates and Charges	48,597	48,727	48,683	48,689	6	0.0%	▲
Statutory Fees and Fines	2,413	2,586	2,298	2,314	16	0.7%	▲
User Fees	19,456	19,522	15,073	14,993	(80)	(0.5%)	▼
Recurrent Grants	16,180	17,871	14,051	14,063	12	0.1%	▲
Non-Recurrent Grants	3,250	7,257	1,322	1,299	(22)	(1.7%)	▼
Contributions - Cash	1,153	2,759	2,474	2,464	(11)	(0.4%)	▼
Contributions - Non Cash	5,000	4,000	0	0	0	0.0%	▼
Other Income	319	2,076	816	1,038	222	27.3%	▲
Interest Income	1,800	2,107	1,783	1,914	131	7.3%	▲
Revenue Total	**98,168**	**106,904**	**86,500**	**86,774**	**274**	**0.3%**	▲
Expenses							
Employee Benefits	44,225	45,772	33,949	32,641	1,308	3.9%	▲
Materials and Services	28,531	36,447	23,795	25,159	(1,364)	(5.7%)	▼
Bad and Doubtful Debts	150	150	4	0	4	100.0%	▲
Finance Costs	179	179	164	165	(1)	(0.5%)	▼
Other Expenses	523	544	303	304	(1)	(0.3%)	▼
Depreciation	13,425	13,097	0	0	0	0.0%	▬
Net loss / (gain) on asset disposal	463	331	(334)	(201)	(134)	(39.9%)	▼
Expenses Total	**87,495**	**96,519**	**57,881**	**58,069**	**(187)**	**(0.3%)**	▼
Net Surplus / (Deficit)	**10,673**	**10,386**	**28,618**	**28,705**	**87**	**0.3%**	▲
Other Comprehensive Income							
Net asset revaluation	12,316	10,409	0	0	0	0.0%	▬
Total Comprehensive Income	**22,989**	**20,795**	**28,618**	**28,705**	**87**	**0.3%**	▲
Net Underlying Surplus / (Deficit)	**5,673**	**6,386**	**28,618**	**28,705**	**87**	**0.3%**	▲

Net Surplus/(Deficit): The net surplus is $28.705m which is $0.087m favourable to the forecast budget.

Revenue: is $0.274m favourable to forecast due to:

- Other Income – Mainly due to an insurance claim for storm damage to a fence at the Botanical Gardens ($32k) and external recharge works on-charged to utility company for the Kepler/Lava Street roundabout ($115k recurrent program and $62K capital works totalling $177k). Budget variations will be completed to resolve these variances.
- Interest Income – Higher interest rates than anticipated resulting in a $131k favourable variance to forecast.

4. Statement of Comprehensive Income continued

Expenses: are ($0.187m) unfavourable to forecast due to:

- Employee Benefits – Year-to-date employee benefits are lower than forecast by $1.308m partially due to vacancies across several areas and the timing of employee costs including the following:
  - Workforce shortages have resulted in a favourable payroll variance of $156k across our Early Learning Centres, however this has been partially offset by trainee costs of ($68k) from February. Workforce shortages have also resulted in a favourable variance within Personal Care of $142k and at Aquazone $71k.
  - The Home Maintenance recovery charge to Community Care of $221k to March for the delivery of the Federal Home Maintenance program has been recovered under Employee Costs however the budget has been allocated to Materials and Services, contributing to the favourable variance in this category.
  - Favourable payroll variance within Road Maintenance of $172k is offset by reallocating staff to renewals of footpaths and bicycle paths and road construction capital projects.
  - Within Drainage Maintenance, dryer conditions have resulted in lower labour costs of $92k, however staff resources have been utilised in construction projects.
  - Favourable variance within Financial and Revenue Services of $85k due to vacant positions, secondment and long-term leave, partially offset by short-term consultant costs.
  - A shift in staff resourcing at Flagstaff Hill has resulted in salary savings of $54k.
  - Within Engineering Design, $41k of employee costs have been used in the Natural Disaster Recovery response which is within the capital program.
  - Casual wages at the Art Gallery are not as high as forecast by $41k.
- Materials and Services - Materials and services are higher than forecast by ($1.364m) partially due to timing of expenses plus:
  - Parks & Gardens area incurred ($150k) of additional tree trimming costs to meet compliance requirements, ($82k) of maintenance costs at Reid Oval and ($31k) of costs relating to increased water activities and related repairs and maintenance.
  - Timing of external recharge works at the Kepler/Lava Street roundabout on-charged to the utility company ($115k). A budget variation will be completed to resolve this variance.
  - The budget for the Home Maintenance recovery charge to March for the delivery of the Federal Home Maintenance program has been allocated to Materials and Services however the actual recovery is in Employee Benefits above ($221k).
  - More activity in Lighthouse Theatre commercial hires ($153k) offset by increased fee income and ($40k) over forecast due to an additional cleaning requirements and maintenance.
  - Due to the timing of the review of completed open purchase orders the Building Strategy and Services area has unfavourable variance of approximately ($150k).
  - A ($75k) unfavourable variance in municipal waste, recycling and FOGO processing occurred due to the timing of additional holiday collections and the associated volume increases. In addition, there is a ($33k) unfavourable variance relating to the 2025 Kerbside Bin Audit with a budget variation pending.

4. Statement of Comprehensive Income continued

- Short-term consultant costs of ($69k) within Financial and Revenue Services partially off-set by a favourable variance in employee costs due to vacant positions, secondment, and long-term leave. This will be partially recovered through the Natural Disaster Response Recovery Claim.
- Trainee costs within the Early Learning Centres have resulted in a ($68k) unfavourable variance however this is offset against a favourable payroll variance due to workforce shortages as specified above.
- Within Economic Development, management has reconciled that a ($25k) overpayment has been made to Food & Fibre Great South Coast for sponsorship, and a refund has been approved.

- Net Loss / (Gain) on Asset Disposal – Unfavourable variance due to timing of fleet disposals.

Quarterly Financial Report

Jan - Mar 2025

5. Balance Sheet

	2024/25 Opening Balance $'000	Movement $'000	YTD Closing Balance $'000
Current Assets			
Cash & Cash Equivalents	3,534	714	4,248
Investments	43,000	6,000	49,000
Trade and Other Receivables	4,253	9,690	13,944
Other Assets	3,475	(1,491)	1,984
Current Assets Total	**54,262**	**14,913**	**69,176**
Non-Current Assets			
	0	0	0
Property Plant & Equipments	793,613	10,440	804,053
Non-Current Assets Total	**793,613**	**10,440**	**804,053**
Total Assets	**847,875**	**25,353**	**873,228**
Current Liabilities			
Trade and Other Payables	9,397	(1,839)	7,558
Trust Funds and Deposits	2,403	(56)	2,347
Provisions	7,222	0	7,222
Interest-bearing Loans and Borrowings	1,679	(1,255)	424
Lease Liabilities	499	0	499
Current Liabilities Total	**21,200**	**(3,149)**	**18,051**
Non-Current Liabilities			
Provisions	977	0	977
Interest-bearing Loans and Borrowings	6,833	0	6,833
Lease Liabilities	1,221	0	1,221
Non-Current Liabilities Total	**9,031**	**0**	**9,031**
Total Liabilities	**30,231**	**(3,149)**	**27,083**
Net Assets	**817,644**	**28,502**	**846,146**
Equity			
Accumulated Surplus	291,291	28,502	319,792
Reserves	526,353	0	526,353
Total Equity	**817,644**	**28,502**	**846,146**

Cash & Investments: have increased with the third quarter rates instalment payable at the end of February 2025.

Trade and Other Receivables: increased significantly from the start of the financial year due to raising the full year's rates revenue in July and this has reduced throughout the year as customers make their instalment repayments.

Quarterly Financial Report

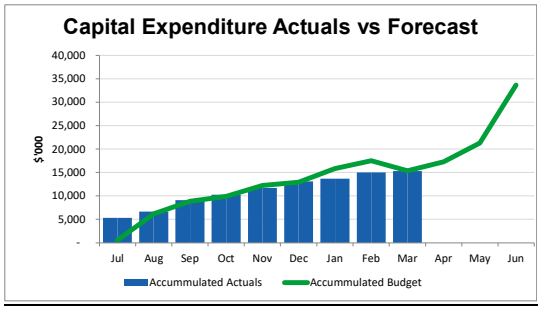
Jan - Mar 2025

6. Capital Expenditure and Funding

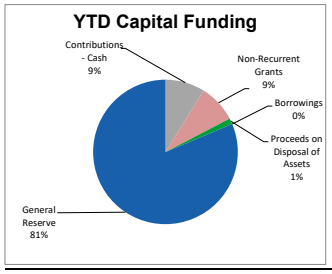
Capital Expenditure: Council is making significant progress on several major capital works including the City Kindergarten Entrance upgrade, which is nearing completion, McGennans Beach Access project, which is on target for completion by June 30 and the King Street Drainage project. In addition, the 2024-25 financial year has seen a major focus on renewal. Council's current committed amount is $28k favourable compared to the year-to-date forecast. This includes a $160k favourable variance in Drainage Construction due to dry conditions reducing the need for drainage replacement projects, partially offset by an unfavourable variance in developer contribution plan design costs of ($118k) which is to be funded from reserves once the design costs are finalised with the balance due to timing of projects.

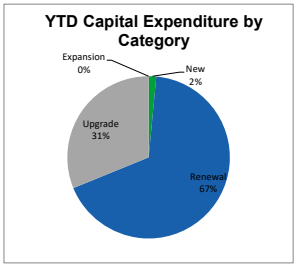
Capital Funding: The majority of the works to date have been funded through Council funds (81%). There are still some grants anticipated to be received over the remainder of the year.

	Adopted Budget $'000	Forecast $'000	YTD Forecast $'000	YTD Committed $'000	YTD Variance to Forecast $'000	
Expenditure						
New	195	582	230	228	2	▲
Renewal	12,624	21,433	10,401	10,314	87	▲
Upgrade	5,323	11,611	4,714	4,775	(61)	▼
Expansion	0	0	0	0	0	▬
Capital Expenditure	**18,141**	**33,624**	**15,344**	**15,316**	**28**	▲
Funding						
Contributions - Cash	100	1,474	1,340	1,358	18	▲
Non-Recurrent Grants	3,250	7,248	1,322	1,299	(22)	▼
Proceeds on Disposal of Assets	319	379	334	201	(133)	▼
Borrowings	0	0	0	0	0	▬
General Reserve	14,472	24,524	12,348	12,458	110	▲
Capital Funding	**18,141**	**33,624**	**15,344**	**15,316**	**(28)**	▼



*rephasing of expenditure from February to June has produced a correction in timing of expenditure.





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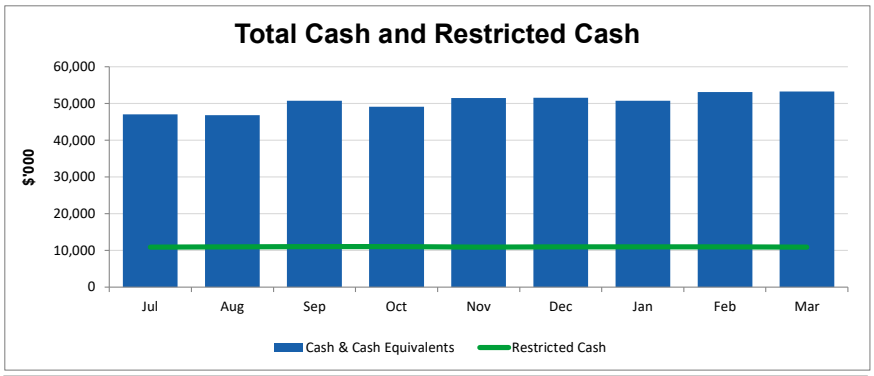
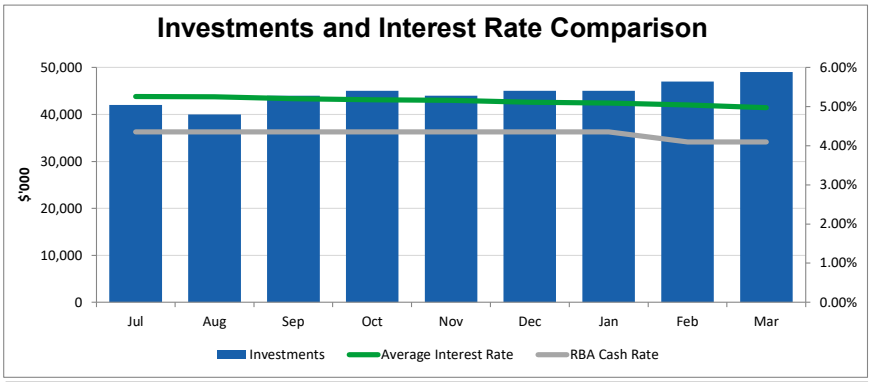
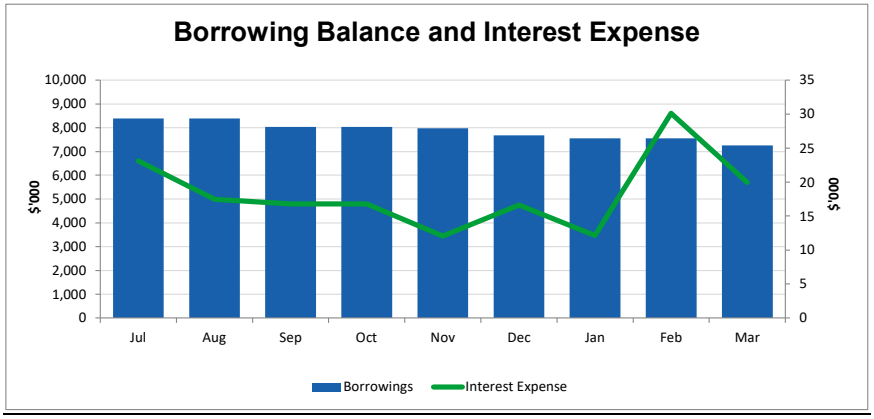
7. Treasury Report

Cash: Total cash held (including investments) at the end of March was $53.25m, of which $10.89m is restricted.

Investments: The average interest rate held on investments at the end of March was 4.97% which is higher than the RBA cash rate of 4.10%. Current investment rates have been under 5.00% and are expected to continue to reduce over the next 12 months.





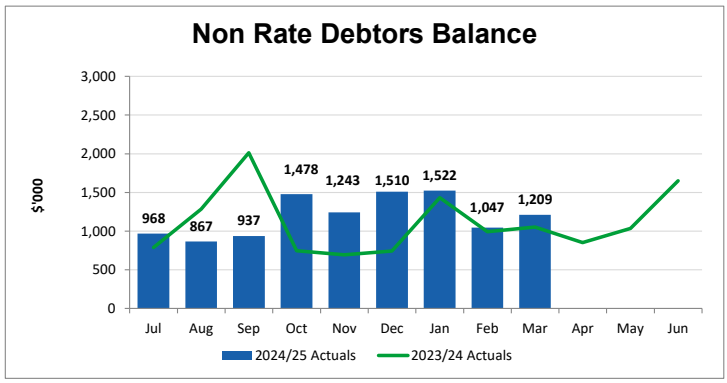


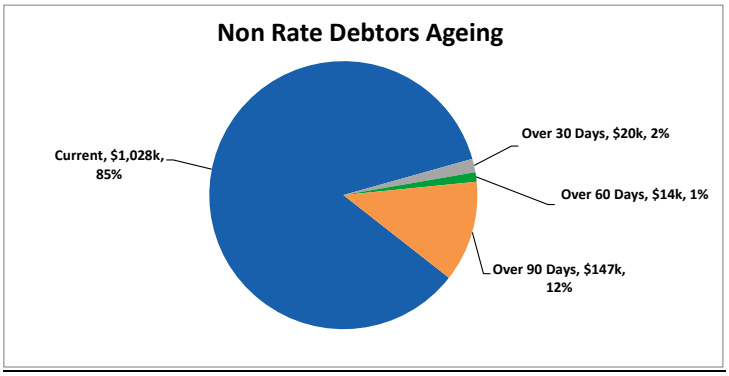
- Please note: Loan interest in February was over accrued by $17k and corrected in March.

8. Debtors Report

Non Rate Debtors: were $1.209m in March, with $1.028m or 85% of the debt classified as current.

- 30 Days $20k (2%) –The balance of outstanding debts aged 30 days includes the current monthly rental amounts for a couple of property leases.
- 60 Days $14k (1%). The 60 day outstanding debt balance includes monthly rental amounts for the same rental obligations that are in the 30 day category and are now one month overdue.
- 90 Days $147k (12%) – $40k owing from the Warrnambool Football Netball Club for their contribution to the Reid Oval Redevelopment Project (2nd and 3rd Instalments) and monthly rental totalling $20k. WFNC have recently entered into a payment plan with Council to attend to this debt. $27k owing for a Designated Area Representative Assessment Fee which was paid on the 28th of April. $7k owing for sportsground rental was paid on the 17th of April. $5k owing from a Football Club for licence fees. This is due to the lease agreement being signed earlier this year, and we are in the process of following up the invoice. $5k owing from the RSL for the annual maintenance contribution to the war memorial ($2k) and the annual rental fee for the Clubrooms ($3k). Reminder invoices have been sent. HACC debtors amounting to $19k are being followed up, mainly relating to managed recipients through GenU, Lets Get Care, Lyndoch (Respect), MPower and The Care Side. The remaining 90 day debtors will be followed up and Council is working with overdue debtors and setting up payment plans where appropriate.





Quarterly Financial Report

Jan - Mar 2025

9. Budget/Forecast Variations

Item	Budget Variation $	Cumulative Total $
Adopted Budget Surplus		(180,938)
Rollovers - Net	(18,027,600)	(18,208,538)
Budget Variation - Events & Promotions Officer	(26,611)	(18,235,149)
November/December forecast adjustments	(42,407)	(18,277,556)
Cash Surplus/(Deficit) Bought Forward	**18,054,211**	**(223,345)**
External budget variations - new grants		
January to March variations		
City of Greater Geelong - Vaping Prevention Project	20,000	(203,345)
City of Greater Geelong - Vaping Prevention Project	(20,000)	(223,345)
Public Galleries Association - 2024 Robert Selzer Foundation Acquisition Fund	12,000	(211,345)
Public Galleries Association - 2024 Robert Selzer Foundation Acquisition Fund	(12,000)	(223,345)
South West Alliance Transport Study - Contributions from other councils (Colac Otway,	75,000	(148,345)
South West Alliance Transport Study - Contribution from Warrnambool City Council	15,000	(133,345)
South West Alliance Transport Study - Total expenditure	(90,000)	(223,345)
Victorian Fisheries Authority - Fish Weighing Gantry grant	67,533	(155,812)
Victorian Fisheries Authority - Fish Weighing Gantry grant	(67,533)	(223,345)
Department of Education - Kindergarten Inclusion Support Profile Testing grant	6,000	(217,345)
Department of Education - Kindergarten Inclusion Support Profile Testing grant	(6,000)	(223,345)
Department of Transport & Planning - Upgrade Caramut Road School Crossing	100,000	(123,345)
Department of Transport & Planning - Upgrade Caramut Road School Crossing	(100,000)	(223,345)
Airport Apron Expansion - Department of Infrastructure grant	185,955	(37,390)
Airport Apron Expansion - Contribution from Warrnambool City Council	70,437	33,047
Airport Apron Expansion - Total expenditure	(256,392)	(223,345)
Department of Treasury & Finance - Funding for digitisation of council archive files	230,000	6,655
Department of Treasury & Finance - Funding for digitisation of council archive files	(230,000)	(223,345)
Coastal Connect - TechOne SaaS fees recovery	857,493	634,148
Coastal Connect - TechOne SaaS fees	(857,493)	(223,345)
Warrnambool Art Gallery Foundation - Funds for Mirka Mora artwork acquisition	43,273	(180,072)
Warrnambool Art Gallery Foundation - Funds for Mirka Mora artwork acquisition	(43,273)	(223,345)
Visit Victoria/Brodie Foundation - Funds for Art Gallery major exhibition	30,000	(193,345)
Visit Victoria/Brodie Foundation - Funds for Art Gallery major exhibition	(30,000)	(223,345)
Department of Education - Art Gallery Strategic Partnership program renewal	27,275	(196,070)
Department of Education - Art Gallery Strategic Partnership program renewal	(27,275)	(223,345)
Department of Education - School Readiness Funding 2025	689,787	466,442
Department of Education - School Readiness Funding 2025	(689,787)	(223,345)
Internal budget variations - transfers between cost centres		
January to March variations		
Health & Wellbeing Plan - move Food Cube Project to Archie Graham Centre	3,253	(220,092)
Health & Wellbeing Plan - move Food Cube Project to Archie Graham Centre	(3,253)	(223,345)
Civic Green Event Space Project (from City Futures to Building Construction)	10,000	(213,345)
Civic Green Event Space Project (from City Futures to Building Construction)	(10,000)	(223,345)

9. Budget/Forecast Variations continued

Item	Budget Variation $	Cumulative Total $
Internal budget variations - transfers to/from cash reserves		
January to March variations		
Isobel & David Jones Foundation - Warrnambool Miura Friendship Gardens contribution	10,000	(213,345)
Isobel & David Jones Foundation - Warrnambool Miura Friendship Gardens contribution	(10,000)	(223,345)
TAC - Kepler-Lava Street Roundabout grant in arrears	292,074	68,729
TAC - Kepler-Lava Street Roundabout grant in arrears - transfer to reserves	(292,074)	(223,345)
Oakwood Riverside DCP Drainage Project - Over-provision	(205,760)	(429,105)
Oakwood Riverside DCP Drainage Project - Over-provision - transfer from reserves	205,760	(223,345)
Forecast Budget Surplus/(Deficit)		**(223,345)**

Summary	AGLTotal	VECOTotal	Difference	Saving	Notes
Annual Total	$366,153.57	$259,257.16	-$106,896.41	29.2%	Direct com

Tariff	AGLTotal	VECOTotal	Difference	Saving
NDM	$58,807.50	$41,779.10	-$17,028.40	29.0%
NDTOU	$240,865.12	$169,764.47	-$71,100.65	29.5%
ND1	$55,270.49	$39,719.88	-$15,550.61	28.1%
D1	$8,889.00	$6,279.13	-$2,609.87	29.4%
PFIT	$2,321.46	$1,714.59	-$606.87	26.1%

NMI	AGLTotal	VECOTotal	Difference	Saving	Tariff
62035622152	$37,625.30	$27,714.59	-$9,910.71	26.34%	NDM
62030040873	$21,182.20	$14,064.51	-$7,117.69	33.60%	NDM
62035622144	$10,828.67	$8,282.51	-$2,546.16	23.51%	NDTOU
62035622128	$33,606.73	$23,352.79	-$10,253.94	30.51%	NDTOU
62038006181	$14,356.57	$10,064.75	-$4,291.82	29.89%	NDTOU
62038804153	$3,959.41	$3,141.25	-$818.16	20.66%	ND1
62035622136	$6,144.54	$4,746.04	-$1,398.50	22.76%	NDTOU
62035830986	$7,131.81	$5,084.26	-$2,047.55	28.71%	NDTOU
62030079517	$11,711.09	$9,376.89	-$2,334.20	19.93%	NDTOU
62035900252	$18,105.92	$12,334.43	-$5,771.49	31.88%	NDTOU
62035675151	$21,923.49	$15,557.84	-$6,365.65	29.04%	NDTOU
62030040733	$10,445.36	$7,051.15	-$3,394.21	32.49%	NDTOU
62035623885	$6,545.14	$5,071.65	-$1,473.49	22.51%	NDTOU
62035679523	$2,622.06	$1,888.95	-$733.11	27.96%	NDTOU
62038341362	$7,322.78	$5,065.29	-$2,257.49	30.83%	NDTOU
62035654922	$4,009.54	$3,166.97	-$842.57	21.01%	ND1
62035718974	$5,713.61	$3,977.04	-$1,736.57	30.39%	NDTOU
62035623911	$5,119.95	$3,493.85	-$1,626.10	31.76%	NDTOU
62039322007	$2,689.41	$1,968.84	-$720.57	26.79%	D1
62030040691	$13,318.45	$8,996.27	-$4,322.18	32.45%	NDTOU
62038009936	$1,825.55	$1,443.00	-$382.55	20.96%	NDTOU
62039500415	$6,458.33	$4,409.56	-$2,048.77	31.72%	ND1
62035629940	$1,406.03	$1,127.26	-$278.77	19.83%	NDTOU
62039218286	$5,283.42	$3,672.90	-$1,610.52	30.48%	ND1
62035752980	$4,545.87	$3,088.95	-$1,456.92	32.05%	NDTOU
62037559525	$3,860.58	$2,377.50	-$1,483.08	38.42%	NDTOU
62035638347	$1,695.22	$1,283.84	-$411.38	24.27%	ND1
62033027544	$1,368.50	$1,003.12	-$365.38	26.70%	NDTOU
62035634066	$4,859.44	$3,122.65	-$1,736.79	35.74%	NDTOU
62035623935	$3,032.74	$2,089.00	-$943.74	31.12%	D1
62037461491	$1,060.40	$765.08	-$295.32	27.85%	NDTOU
62039268968	$3,807.27	$2,622.00	-$1,185.27	31.13%	ND1
62038341354	$3,105.84	$2,138.98	-$966.86	31.13%	NDTOU

62038708337	$1,761.61	$1,237.55	-$524.06	29.75%	ND1
62035654948	$3,203.29	$2,097.17	-$1,106.12	34.53%	NDTOU
62039808698	$2,802.63	$1,937.22	-$865.41	30.88%	ND1
62037461343	$2,157.61	$1,464.62	-$692.99	32.12%	NDTOU
62035629932	$1,744.00	$1,212.91	-$531.09	30.45%	NDTOU
62035623903	$1,282.30	$919.80	-$362.50	28.27%	NDTOU
62036027632	$1,798.52	$1,194.03	-$604.49	33.61%	NDTOU
62038529668	$2,298.71	$1,616.26	-$682.45	29.69%	ND1
62035708712	$1,640.05	$1,094.09	-$545.96	33.29%	NDTOU
62035698499	$3,763.88	$2,791.91	-$971.97	25.82%	NDTOU
62040498521	$1,456.63	$971.84	-$484.79	33.28%	NDTOU
62039809290	$2,110.38	$1,443.26	-$667.12	31.61%	ND1
62035776733	$2,321.46	$1,714.59	-$606.87	26.14%	PFIT
62035675143	$1,295.40	$875.38	-$420.02	32.42%	NDTOU
62033266885	$1,313.33	$831.37	-$481.96	36.70%	NDTOU
62035718982	$1,316.75	$852.38	-$464.37	35.27%	NDTOU
62035622707	$7,442.89	$5,201.49	-$2,241.40	30.11%	NDTOU
62035623828	$1,984.87	$1,348.57	-$636.30	32.06%	ND1
62036717217	$792.95	$514.57	-$278.38	35.11%	NDTOU
62035658972	$1,819.44	$1,248.65	-$570.79	31.37%	ND1
62035718959	$1,216.20	$901.92	-$314.28	25.84%	D1
62035623927	$1,603.74	$1,075.19	-$528.55	32.96%	D1
62030040345	$1,027.35	$656.18	-$371.17	36.13%	NDTOU
62032857337	$738.91	$515.56	-$223.35	30.23%	NDTOU
62035718355	$774.63	$548.82	-$225.81	29.15%	NDTOU
62037823161	$967.87	$719.90	-$247.97	25.62%	NDTOU
62035635682	$1,010.82	$765.17	-$245.65	24.30%	ND1
62035718941	$1,395.87	$930.51	-$465.36	33.34%	ND1
62038313534	$593.39	$415.84	-$177.55	29.92%	NDTOU
62033465826	$873.54	$579.94	-$293.60	33.61%	NDTOU
62032847504	$1,460.33	$1,045.40	-$414.93	28.41%	NDTOU
62038678012	$848.17	$630.70	-$217.47	25.64%	ND1
62037075609	$737.92	$568.88	-$169.04	22.91%	ND1
62038708361	$651.24	$479.61	-$171.63	26.36%	ND1
62035624173	$489.36	$361.24	-$128.12	26.18%	NDTOU
62038625482	$654.13	$456.19	-$197.94	30.26%	ND1
62038655753	$592.22	$414.82	-$177.40	29.95%	ND1
62039218328	$410.82	$295.20	-$115.62	28.14%	ND1
62032940953	$549.03	$385.42	-$163.61	29.80%	ND1
62038595454	$532.64	$374.71	-$157.93	29.65%	ND1
62038595810	$503.87	$382.00	-$121.87	24.19%	ND1
62038530477	$497.68	$373.83	-$123.85	24.89%	ND1
62035718967	$506.68	$356.97	-$149.71	29.55%	ND1
62035718594	$526.11	$340.40	-$185.71	35.30%	NDTOU
62036018335	$438.68	$317.09	-$121.59	27.72%	ND1
62035752972	$464.99	$330.13	-$134.86	29.00%	NDTOU
62035753021	$526.21	$370.76	-$155.45	29.54%	ND1

62038189191	$417.50	$316.49	-$101.01	24.19%	NDTOU
62037800204	$422.74	$299.24	-$123.50	29.22%	NDTOU
62038749298	$436.52	$309.06	-$127.46	29.20%	ND1
62036010573	$739.43	$539.07	-$200.36	27.10%	NDTOU
62035638082	$530.43	$415.08	-$115.35	21.75%	ND1
62040808779	$416.65	$294.54	-$122.11	29.31%	NDTOU
62033174000	$543.17	$416.62	-$126.55	23.30%	NDTOU
62032844410	$387.75	$276.09	-$111.66	28.80%	NDTOU
62035660114	$387.75	$276.09	-$111.66	28.80%	ND1
62035690060	$414.15	$276.11	-$138.04	33.33%	ND1
62036168189	$389.29	$276.89	-$112.40	28.87%	NDTOU
62037434562	$387.76	$276.09	-$111.67	28.80%	NDTOU
62039492831	$395.47	$282.55	-$112.92	28.55%	ND1
62039500421	$387.80	$276.15	-$111.65	28.79%	ND1
62040808787	$387.75	$276.09	-$111.66	28.80%	NDTOU
62039418904	$388.75	$276.72	-$112.03	28.82%	ND1
62035637408	$2,720.62	$1,848.12	-$872.50	32.07%	NDTOU
62035714560	$346.91	$244.17	-$102.74	29.62%	D1
62035693401	$1,125.28	$794.47	-$330.81	29.40%	ND1
62035644602	$1,313.85	$1,005.68	-$308.17	23.46%	ND1
62035623844	$2,043.68	$1,578.08	-$465.60	22.78%	ND1

parison between AGL small market invoice

SiteAddress	PeakkWh	OpeakWh	Days	Column1	VOpeakkW	SuppChgRa	LREC
- PERTROBE ROAD	55424.72	70515.12	365	13.153	13.153	75.641	0.888867
81 Caramut Road	28642.08	33655.2	365	13.153	13.153	75.641	0.888867
- PERTROBE ROAD	13304.72	27038.36	365	13.153	13.153	75.641	0.888867
- Merri Street	50716.72	50060.92	365	13.153	13.153	75.641	0.888867
50 Viaduct Road	18183.49	28737.24	365	13.153	13.153	75.641	0.888867
OCEAN BEACH PARK - Pertobe	12914.37	0	365		21.297	75.641	0.888867
- PERTROBE ROAD	8125.494	13523.65	365	13.153	13.153	75.641	0.888867
. Pertobe Road	8785.041	14446.13	365	13.153	13.153	75.641	0.888867
163-165 Timor Street	18891.14	22244.04	365	13.153	13.153	75.641	0.888867
187 TIMOR STREET	27142.3	24713.85	365	13.153	13.153	75.641	0.888867
42 Cramer Street	29280.92	42850.56	365	13.153	13.153	75.641	0.888867
- Merri Street	11607.2	22094.2	365	13.153	13.153	75.641	0.888867
OCEAN BEACH PARK - Pertobe	9381.975	13011.26	365	13.153	13.153	75.641	0.888867
- Coulstock Street	877.9375	9507.825	365	13.153	13.153	75.641	0.888867
Timor St 187-191	9798.188	12028.06	365	13.153	13.153	75.641	0.888867
- Cockman Street	13030.3	0	365		21.297	75.641	0.888867
- Merri Street	8387.376	7457.036	365	13.153	13.153	75.641	0.888867
- PERTROBE ROAD	6395.79	8503.726	365	13.153	13.153	75.641	0.888867
28-36 Moore Street	8194.192	0	365		20.325	63.321	0.881744
10 Scott Street	16586.01	24727.68	365	13.153	13.153	75.641	0.888867
10 Ward Street	2701.588	2222.65	365	13.153	13.153	75.641	0.888867
LIEBIG ST 72	18631.09	0	365		21.297	75.641	0.888867
- Hyland Street	1772.687	2067.187	365	13.153	13.153	75.641	0.888867
124 Liebig Street	15310.67	0	365		21.297	75.641	0.888867
AERODROME/ - Koroit Road	4816.2	9179.488	365	13.153	13.153	75.641	0.888867
133 Lava Street	1603.563	11351.99	365	13.153	13.153	75.641	0.888867
- Fairfax Avenue	4542.322	0	365		21.297	75.641	0.888867
- BREAKWATER ROAD	1196.767	2480.852	365	13.153	13.153	75.641	0.888867
- Lipook Court	7272.85	3883.837	365	13.153	13.153	75.641	0.888867
OCEAN BEACH PARK - Pertobe	8760.795	0	365		20.325	63.321	0.881744
461 Raglan Parade	18.966	3439.64	365	13.153	13.153	75.641	0.888867
160 Liebig Street	10573.89	0	365		21.297	75.641	0.888867
TIMOR ST 187	4313.588	3546.813	365	13.153	13.153	75.641	0.888867

146 KOROIT ROAD	4333.662	0	365		21.297	75.641	0.888867
. Queens Road	3532.4	5009.313	365	13.153	13.153	75.641	0.888867
KOROIT ST 191 A	7487.344	0	365		21.297	75.641	0.888867
14/ 24 Fairy Street	2329.825	3214.363	365	13.153	13.153	75.641	0.888867
- Hyland Street	1438.645	3429.864	365	13.153	13.153	75.641	0.888867
BBQS/ - PERTROBE ROAD	1210.575	1856.398	365	13.153	13.153	75.641	0.888867
- Timor Street	972.868	4345.008	365	13.153	13.153	75.641	0.888867
TNCY 5/ 42 Cramer Street	6040.659	0	365		21.297	75.641	0.888867
- Koroit Street	1410.123	2647.983	365	13.153	13.153	75.641	0.888867
20A Lava Street	6550.678	3155.783	365	13.153	13.153	75.641	0.888867
- Timor Street	552.109	3710.767	365	13.153	13.153	75.641	0.888867
KEPLER ST 26	5260.853	0	365		21.297	75.641	0.888867
82 Ziegler Parade	3036.338	3402.488	365	13.153	13.153	75.641	0.888867
Bore Pump/ - Cramer Street	565.628	2993.311	365	13.153	13.153	75.641	0.888867
- BREAKWATER ROAD	454.211	2930.947	365	13.153	13.153	75.641	0.888867
- Merri Street	547.6125	2870.15	365	13.153	13.153	75.641	0.888867
- Raglan Parade	11474.68	9220.353	365	13.153	13.153	75.641	0.888867
- Stanley Street	4834.087	0	365		21.297	75.641	0.888867
49 Pertobe Road	0.266	1697.734	365	13.153	13.153	75.641	0.888867
- Manifold Street	4383.675	0	365		21.297	75.641	0.888867
83 Merri Street	3163.16	0	365		20.325	63.321	0.881744
- PETROBE ROAD	3980.21	0	365		20.325	63.321	0.881744
. Queens Road	459.095	1672.38	365	13.153	13.153	75.641	0.888867
OCEAN BEACH PARK - Pertobe	374.125	862.3875	365	13.153	13.153	75.641	0.888867
- LEIBIG STREET	527.775	752.9875	365	13.153	13.153	75.641	0.888867
. Viaduct Road	835.5125	1277.975	365	13.153	13.153	75.641	0.888867
Barbeques/ 12 The Esplanade	2204.487	0	365		21.297	75.641	0.888867
89 Merri Street	2949.738	0	365		21.297	75.641	0.888867
146 Koroit Mailors Flat Road	238.975	456.775	365	13.153	13.153	75.641	0.888867
BOAT RAMP/ - JUBILEE PARK F	397.749	1267.644	365	13.153	13.153	75.641	0.888867
PUMP/ - Morriss Road	1597.76	1878.44	365	13.153	13.153	75.641	0.888867
- Mortlake Road	1598.353	0	365		21.297	75.641	0.888867
BRIERLY CNR ABERLINE - MOOF	1319.728	0	365		21.297	75.641	0.888867
146 KOROIT ROAD	917.32	0	365		21.297	75.641	0.888867
- THE BREAKWATER RD	212.094	128.467	365	13.153	13.153	75.641	0.888867
- Lava Street	811.775	0	365		21.297	75.641	0.888867
9 Grace Avenue	625.3245	0	365		21.297	75.641	0.888867
124 Liebig Street	86.16	0	365		21.297	75.641	0.888867
Carpark/ 104 Koroit Street	492.783	0	365		21.297	75.641	0.888867
76 Fairy Street	444.524	0	365		21.297	75.641	0.888867
- Mortlake Road	477.388	0	365		21.297	75.641	0.888867
Lot 2-10 Gaspar Street	440.5506	0	365		21.297	75.641	0.888867
- Merri Street	364.548	0	365		21.297	75.641	0.888867
- Merri Street	78.616	280.868	365	13.153	13.153	75.641	0.888867
169 Koroit Street	184.787	0	365		21.297	75.641	0.888867
AERODROME/ - Koroit Road	128.05	96.3375	365	13.153	13.153	75.641	0.888867
AERODROME/ - Koroit Road	426.699	0	365		21.297	75.641	0.888867

1-23 Boston Drive	68.2059	134.0523	365	13.153	13.153	75.641	0.888867
. Moore Street	38.7464	77.5261	365	13.153	13.153	75.641	0.888867
- Liebig Street	148.603	0	365		21.297	75.641	0.888867
- Logans Beach Road	174.586	1479.427	365	13.153	13.153	75.641	0.888867
. Caramut Road	626.483	0	365		21.297	75.641	0.888867
- Timor Street	23.295	78.937	365	13.153	13.153	75.641	0.888867
- Koroit Street	299.913	325.004	365	13.153	13.153	75.641	0.888867
- Liebig Street	0	0	365	13.153	13.153	75.641	0.888867
- Raglan Parade	0	0	365		21.297	75.641	0.888867
. Simpson Street	0.095	0	365		21.297	75.641	0.888867
- Logans Beach Road	1.465	2.382	365	13.153	13.153	75.641	0.888867
LIGHTS-WAR MEMORIAL CNR E	0	0	365	13.153	13.153	75.641	0.888867
72 Liebig Street	29.128	0	365		21.297	75.641	0.888867
LIEBIG ST 72	0.274	0	365		21.297	75.641	0.888867
- Liebig Street	0	0	365	13.153	13.153	75.641	0.888867
160 Liebig Street	2.822	0	365		21.297	75.641	0.888867
12 The Esplanade	3783.729	2669.343	365	13.153	13.153	75.641	0.888867
36 KOROIT STREET	61.513	0	365		20.325	63.321	0.881744
31 Gladstone Street	2336.513	0	365		21.297	75.641	0.888867
23 Beamish Street	3288.542	0	365		21.297	75.641	0.888867
107 Pertobe Road	5868.543	0	365		21.297	75.641	0.888867

Vpeak	Vopeak	SuppChg	LRECs
$17,044.21	$9,274.85	$276.09	$1,119.44
$8,808.01	$4,426.67	$276.09	$553.74
$4,091.47	$3,556.36	$276.09	$358.60
$15,596.41	$6,584.51	$276.09	$895.78
$5,591.79	$3,779.81	$276.09	$417.06
$2,750.37	$0.00	$276.09	$114.79
$2,498.75	$1,778.77	$276.09	$192.43
$2,701.58	$1,900.10	$276.09	$206.49
$5,809.40	$2,925.76	$276.09	$365.64
$8,346.80	$3,250.61	$276.09	$460.93
$9,004.47	$5,636.13	$276.09	$641.15
$3,569.45	$2,906.05	$276.09	$299.56
$2,885.14	$1,711.37	$276.09	$199.05
$269.98	$1,250.56	$276.09	$92.32
$3,013.14	$1,582.05	$276.09	$194.01
$2,775.06	$0.00	$276.09	$115.82
$2,579.29	$980.82	$276.09	$140.84
$1,966.83	$1,118.50	$276.09	$132.44
$1,665.47	$0.00	$231.12	$72.25
$5,100.53	$3,252.43	$276.09	$367.22
$830.79	$292.35	$276.09	$43.77
$3,967.86	$0.00	$276.09	$165.61
$545.14	$271.90	$276.09	$34.13
$3,260.71	$0.00	$276.09	$136.09
$1,481.08	$1,207.38	$276.09	$124.40
$493.13	$1,493.13	$276.09	$115.16
$967.38	$0.00	$276.09	$40.38
$368.03	$326.31	$276.09	$32.69
$2,236.55	$510.84	$276.09	$99.17
$1,780.63	$0.00	$231.12	$77.25
$5.83	$452.42	$276.09	$30.74
$2,251.92	$0.00	$276.09	$93.99
$1,326.51	$466.51	$276.09	$69.87

$922.94	$0.00	$276.09	$38.52
$1,086.28	$658.87	$276.09	$75.92
$1,594.58	$0.00	$276.09	$66.55
$716.47	$422.79	$276.09	$49.28
$442.41	$451.13	$276.09	$43.27
$372.28	$244.17	$276.09	$27.26
$299.18	$571.50	$276.09	$47.27
$1,286.48	$0.00	$276.09	$53.69
$433.64	$348.29	$276.09	$36.07
$2,014.46	$415.08	$276.09	$86.28
$169.78	$488.08	$276.09	$37.89
$1,120.40	$0.00	$276.09	$46.76
$933.73	$447.53	$276.09	$57.23
$173.94	$393.71	$276.09	$31.63
$139.68	$385.51	$276.09	$30.09
$168.40	$377.51	$276.09	$30.38
$3,528.70	$1,212.75	$276.09	$183.95
$1,029.52	$0.00	$276.09	$42.97
$0.08	$223.30	$276.09	$15.09
$933.59	$0.00	$276.09	$38.97
$642.91	$0.00	$231.12	$27.89
$808.98	$0.00	$231.12	$35.10
$141.18	$219.97	$276.09	$18.95
$115.05	$113.43	$276.09	$10.99
$162.30	$99.04	$276.09	$11.38
$256.94	$168.09	$276.09	$18.79
$469.49	$0.00	$276.09	$19.59
$628.21	$0.00	$276.09	$26.22
$73.49	$60.08	$276.09	$6.18
$122.32	$166.73	$276.09	$14.80
$491.34	$247.07	$276.09	$30.90
$340.40	$0.00	$276.09	$14.21
$281.06	$0.00	$276.09	$11.73
$195.36	$0.00	$276.09	$8.15
$65.22	$16.90	$276.09	$3.03
$172.88	$0.00	$276.09	$7.22
$133.18	$0.00	$276.09	$5.56
$18.35	$0.00	$276.09	$0.77
$104.95	$0.00	$276.09	$4.38
$94.67	$0.00	$276.09	$3.95
$101.67	$0.00	$276.09	$4.24
$93.82	$0.00	$276.09	$3.92
$77.64	$0.00	$276.09	$3.24
$24.18	$36.94	$276.09	$3.20
$39.35	$0.00	$276.09	$1.64
$39.38	$12.67	$276.09	$1.99
$90.87	$0.00	$276.09	$3.79

$20.97	$17.63	$276.09	$1.80
$11.92	$10.20	$276.09	$1.03
$31.65	$0.00	$276.09	$1.32
$53.69	$194.59	$276.09	$14.70
$133.42	$0.00	$276.09	$5.57
$7.16	$10.38	$276.09	$0.91
$92.23	$42.75	$276.09	$5.55
$0.00	$0.00	$276.09	$0.00
$0.00	$0.00	$276.09	$0.00
$0.02	$0.00	$276.09	$0.00
$0.45	$0.31	$276.09	$0.03
$0.00	$0.00	$276.09	$0.00
$6.20	$0.00	$276.09	$0.26
$0.06	$0.00	$276.09	$0.00
$0.00	$0.00	$276.09	$0.00
$0.60	$0.00	$276.09	$0.03
$1,163.57	$351.10	$276.09	$57.36
$12.50	$0.00	$231.12	$0.54
$497.61	$0.00	$276.09	$20.77
$700.36	$0.00	$276.09	$29.23
$1,249.82	$0.00	$276.09	$52.16

VECO Prices

MDP	POWERMDP

Row Labels	Average of Standing Charge	Average of Peak 1
D1	63.321	20.4510
D1+DD1	63.321	20.5817
D1+GENR13	63.321	20.5614
ND1	75.641	21.4315
ND1+DD1	75.641	21.4994
ND1+GENR	75.641	21.3763
ND1+GENR13	75.641	21.3855
NDD	75.641	16.9170
NDTOU	75.641	31.1849
NDTOU+DD1+GI	75.641	30.7300
NDTOU+GENR	75.641	31.2324
NDTOU+GENR13	75.641	31.2479
NDTOU+TFIT	75.641	31.1853
PRTOU	63.321	30.6851
PRTOU+DD1	63.321	31.0268
PRTOU+GENR13	63.321	30.8010
Grand Total	**75.175**	**26.2408**

AGL Prices

Row Labels	Average of Supply Rate IncGst	Average of Peak 1 Rate IncGst
D1	0.679448571	0.293078571
ND1	0.830044258	0.299635868
NDM	4.288797333	0.24882
NDTOU	0.829033333	0.398464
PFIT	0.829033333	0.398464
DD1	0.998602	0.4265536
Grand Total	**0.890427726**	**0.354094094**

Average of TOU OffPeak	Average of OffPeak 1	Average of FiT	Average of CL1 1
0	20.45097436	0	0
0	20.58166667	0	13.53166667
0	20.5614	-3.3	0
0	21.43278551	0	0
0	21.53169231	0	13.49935714
0	21.37633333	-3.3	0
0	21.3854918	-3.3	0
0	16.917	0	0
13.45524296	0	0	0
13.1555	0	-3.3	11.6155
13.49544444	0	-3.3	0
13.49998013	0	-3.3	0
13.46766667	0	-3.3	0
14.81823529	0	0	0
15.082	0	0	13.092
15.032	0	-3.3	0
13.4797952	**21.36717954**	**-0.259300834**	**13.3428125**

Average of Off-Peak Rate IncGst	Average of Feed-in Rate IncGst
0	0
0	0.003683721
0.24882	0
0.221180667	0.008171429
0.221180667	0.53218
0	0
0.12881656	**0.011078571**

NMI
Peak
OffPeak
Days
Tariff

LGC

Average of Demand Charge Summer	Average of Demand Charge
59.7697	22.1053
59.7697	**22.1053**

	62035622128		
	3786.68	1508.85566	
	4647.64	1027.968114	2536.823773
	31	25.70003333	
NDTOU			
		2562.523806	
		-292.1638065	
		2270.36	

AGL Code	NMI	Site Addres	Site Suburb	Site Postco	Bill Start	Bill End	Days Billed
A092	62030040345	. Queens R	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62030040691	10 Scott St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62030040733	- Merri Str	WOODFOR	3281	3/10/2025	4/9/2025	31
A092	62030040873	81 Caramu	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62030079517	163-165 Ti	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62032844410	- Liebig Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62032857337	OCEAN BE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62033027544	- BREAKW	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62033174000	- Koroit Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62033266885	- BREAKW	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	3/10/2025	4/9/2025	31
A092	62035622128	- Merri Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035622136	- PERTROB	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035622144	- PERTROB	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035622152	- PERTROB	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623828	- Stanley St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623844	107 Pertob	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62035623885	OCEAN BE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623911	- PERTROB	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623927	- PETROBE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035623935	OCEAN BE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035624173	- THE BREA	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035629932	- Hyland St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035629940	- Hyland St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035635682	Barbeques	DENNINGT	3280	3/10/2025	4/9/2025	31
A092	62035637408	12 The Esp	DENNINGT	3280	3/10/2025	4/9/2025	31
A092	62035638082	. Caramut I	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62035638347	- Fairfax Av	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035644602	23 Beamisl	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035654922	- Cockman	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035654948	. Queens R	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62035658972	- Manifold	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035675143	Bore Pump	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035675151	42 Cramer	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035679523	- Coulstock	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035690060	. Simpson S	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62035693401	31 Gladsto	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035698499	20A Lava S	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035708712	- Koroit Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035714560	36 KOROIT	WARRNAM	3280	3/10/2025	4/9/2025	31

A092	62035718355	- LEIBIG ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718594	- Merri Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718941	89 Merri St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718959	83 Merri St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718967	- Merri Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718974	- Merri Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035718982	- Merri Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62035752972	AERODRO	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62035752980	AERODRO	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62035753021	AERODRO	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	3/10/2025	4/9/2025	31
A092	62035830986	. Pertobe R	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62035900252	187 TIMOF	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62036010573	- Logans Be	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62036018335	169 Koroit	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62036027632	- Timor Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62036168189	- Logans Be	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62036717217	49 Pertobe	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62037075609	BRIERLY C	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62037434562	LIGHTS-W	Woodford	3281	3/10/2025	4/9/2025	31
A092	62037461343	14/ 24 Fai	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62037461491	461 Raglan	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62037559525	133 Lava S	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62037800204	. Moore St	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62037823161	. Viaduct R	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62038006181	50 Viaduct	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038009936	10 Ward St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038313534	146 Koroit	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62038341354	TIMOR ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038341362	Timor St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038530477	Lot 2-10 G	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62038595454	76 Fairy St	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038595810	- Mortlake	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038625482	- Lava Stre	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038655753	9 Grace Av	Warrnambo	3280	3/10/2025	4/9/2025	31
A092	62038678012	- Mortlake	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038708337	146 KOROI	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62038708361	146 KOROI	MAILORS F	3275	3/10/2025	4/9/2025	31
A092	62038749298	- Liebig Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62038804153	OCEAN BE	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039218286	124 Liebig	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039218328	124 Liebig	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039268968	160 Liebig	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039322007	28-36 Moo	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039418904	160 Liebig	WARRNAM	3280	3/10/2025	4/9/2025	31

A092	62039492831	72 Liebig S	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039808698	KOROIT ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62039809290	KEPLER ST	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62040498521	- Timor Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62040808779	- Timor Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62040808787	- Liebig Str	WARRNAM	3280	3/10/2025	4/9/2025	31
A092	62030040345	. Queens R	Warrnamb	3280	2/10/2025	3/9/2025	28
A092	62030040691	10 Scott St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62030040733	- Merri Str	WOODFOR	3281	2/10/2025	3/9/2025	28
A092	62030040873	81 Caramu	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62030079517	163-165 Ti	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62032844410	- Liebig Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62032847504	PUMP/ - N	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62032857337	OCEAN BE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62032940953	Carpark/ 1	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62033027544	- BREAKW	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62033174000	- Koroit Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62033266885	- BREAKW	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62033465826	BOAT RAM	ALLANSFOR	3277	2/10/2025	3/9/2025	28
A092	62035622128	- Merri Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035622136	- PERTROB	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035622144	- PERTROB	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035622152	- PERTROB	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035622707	- Raglan Pa	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623828	- Stanley St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623844	107 Pertob	Warrnamb	3280	2/10/2025	3/9/2025	28
A092	62035623885	OCEAN BE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623903	BBQS/ - PE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623911	- PERTROB	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623927	- PETROBE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035623935	OCEAN BE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035624173	- THE BREA	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035629932	- Hyland St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035629940	- Hyland St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035634066	- Lipook Cc	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035635682	Barbeques	DENNINGT	3280	2/10/2025	3/9/2025	28
A092	62035637408	12 The Esp	DENNINGT	3280	2/10/2025	3/9/2025	28
A092	62035638082	. Caramut I	Warrnamb	3280	2/10/2025	3/9/2025	28
A092	62035638347	- Fairfax A	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035644602	23 Beamisl	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035654922	- Cockman	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035654948	. Queens R	Warrnamb	3280	2/10/2025	3/9/2025	28
A092	62035658972	- Manifold	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035660114	- Raglan Pa	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035675143	Bore Pump	WARRNAM	3280	2/10/2025	3/9/2025	28

A092	62035675151	42 Cramer	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035679523	- Coulstock	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035690060	. Simpson S	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62035693401	31 Gladsto	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035698499	20A Lava S	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035708712	- Koroit Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035714560	36 KOROIT	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035714577	34 Koroit S	WARRNAM	3280	12/18/2024	3/17/2025	90
A092	62035718355	- LEIBIG ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718594	- Merri Stre	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718941	89 Merri St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718959	83 Merri St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718967	- Merri Stre	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718974	- Merri Stre	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035718982	- Merri Stre	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62035752972	AERODROI	MAILORS FI	3275	2/10/2025	3/9/2025	28
A092	62035752980	AERODROI	MAILORS FI	3275	2/10/2025	3/9/2025	28
A092	62035753021	AERODROI	MAILORS FI	3275	2/10/2025	3/9/2025	28
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	2/10/2025	3/9/2025	28
A092	62035830986	. Pertobe R	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62035900252	187 TIMOR	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62036010573	- Logans Be	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62036018335	169 Koroit	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62036027632	- Timor Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62036168189	- Logans Be	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62036717217	49 Pertobe	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62037075609	BRIERLY CI	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62037434562	LIGHTS-W/	Woodford	3281	2/10/2025	3/9/2025	28
A092	62037461343	14/ 24 Fai	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62037461491	461 Raglan	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62037559525	133 Lava S	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62037800204	. Moore St	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62037823161	. Viaduct R	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62038006181	50 Viaduct	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038009936	10 Ward St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038189191	1-23 Bosto	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038313534	146 Koroit	MAILORS FI	3275	2/10/2025	3/9/2025	28
A092	62038341354	TIMOR ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038341362	Timor St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038530477	Lot 2-10 G	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62038595454	76 Fairy St	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038595810	- Mortlake	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038625482	- Lava Stre	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038655753	9 Grace Av	Warrnambo	3280	2/10/2025	3/9/2025	28
A092	62038678012	- Mortlake	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038708337	146 KOROI	MAILORS FI	3275	2/10/2025	3/9/2025	28

A092	62038708361	146 KOROI	MAILORS F	3275	2/10/2025	3/9/2025	28
A092	62038749298	- Liebig Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62038804153	OCEAN BE	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039218286	124 Liebig	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039218328	124 Liebig	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039268968	160 Liebig	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039322007	28-36 Moo	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039418904	160 Liebig	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039492831	72 Liebig S	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039500415	LIEBIG ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039500421	LIEBIG ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039808698	KOROIT ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62039809290	KEPLER ST	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62040498521	- Timor Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62040808779	- Timor Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62040808787	- Liebig Str	WARRNAM	3280	2/10/2025	3/9/2025	28
A092	62030040345	. Queens R	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62030040691	10 Scott St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62030040733	- Merri Str	WOODFOR	3281	1/10/2025	2/9/2025	31
A092	62030040873	81 Caramu	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62030079517	163-165 Ti	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62032844410	- Liebig Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62032857337	OCEAN BE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62033027544	- BREAKW	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62033174000	- Koroit Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62033266885	- BREAKW	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	1/10/2025	2/9/2025	31
A092	62035622128	- Merri Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035622136	- PERTROB	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035622144	- PERTROB	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035622152	- PERTROB	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623828	- Stanley St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623844	107 Pertob	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62035623885	OCEAN BE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623911	- PERTROB	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623927	- PETROBE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035623935	OCEAN BE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035624173	- THE BREA	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035629932	- Hyland St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035629940	- Hyland St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035635682	Barbeques	DENNINGT	3280	1/10/2025	2/9/2025	31
A092	62035637408	12 The Esp	DENNINGT	3280	1/10/2025	2/9/2025	31

A092	62035638082	. Caramut I	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62035638347	- Fairfax A	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035644602	23 Beamisl	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035654922	- Cockman	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035654948	. Queens R	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62035658972	- Manifold	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035675143	Bore Pump	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035675151	42 Cramer	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035679523	- Coulstock	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035690060	. Simpson S	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62035693401	31 Gladsto	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035698499	20A Lava S	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035708712	- Koroit Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035714560	36 KOROIT	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718594	- Merri Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718941	89 Merri St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718959	83 Merri St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718967	- Merri Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718974	- Merri Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035718982	- Merri Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035752972	AERODRO	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62035752980	AERODRO	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62035753021	AERODRO	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	1/10/2025	2/9/2025	31
A092	62035830986	. Pertobe R	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62035900252	187 TIMOF	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62036010573	- Logans Be	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62036018335	169 Koroit	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62036027632	- Timor Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62036168189	- Logans Be	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62036717217	49 Pertobe	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62037075609	BRIERLY C	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62037434562	LIGHTS-W	Woodford	3281	1/10/2025	2/9/2025	31
A092	62037461343	14/ 24 Fai	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62037461491	461 Raglan	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62037559525	133 Lava S	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62037800204	. Moore St	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62037823161	. Viaduct R	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62038006181	50 Viaduct	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038009936	10 Ward St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038313534	146 Koroit	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62038341354	TIMOR ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038341362	Timor St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	1/10/2025	2/9/2025	31

A092	62038530477	Lot 2-10 G	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62038595454	76 Fairy St	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038595810	- Mortlake	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038625482	- Lava Stre	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038655753	9 Grace Av	Warrnamb	3280	1/10/2025	2/9/2025	31
A092	62038678012	- Mortlake	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038708337	146 KOROI	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62038708361	146 KOROI	MAILORS F	3275	1/10/2025	2/9/2025	31
A092	62038749298	- Liebig Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62038804153	OCEAN BE	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039218286	124 Liebig	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039218328	124 Liebig	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039268968	160 Liebig	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039322007	28-36 Moo	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039418904	160 Liebig	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039492831	72 Liebig S	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039808698	KOROIT ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62039809290	KEPLER ST	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62040498521	- Timor Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62040808779	- Timor Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62040808787	- Liebig Str	WARRNAM	3280	1/10/2025	2/9/2025	31
A092	62035654930	4 Cockman	WARRNAM	3280	11/1/2024	1/29/2025	90
A092	62035627944	TIP/ - Brai	WARRNAM	3280	10/10/2024	1/9/2025	92
A092	62030040345	. Queens R	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62030040691	10 Scott St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62030040733	- Merri Str	WOODFOR	3281	12/10/2024	1/9/2025	31
A092	62030040873	81 Caramu	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62030079517	163-165 Ti	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62032844410	- Liebig Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62032857337	OCEAN BE	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62033027544	- BREAKW	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62033174000	- Koroit Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62033266885	- BREAKW	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	12/10/2024	1/9/2025	31
A092	62035622128	- Merri Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035622136	- PERTROB	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035622144	- PERTROB	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035622152	- PERTROB	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035623828	- Stanley St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035623844	107 Pertob	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62035623885	OCEAN BE	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	12/10/2024	1/9/2025	31

A092	62035623911	- PERTROB	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035623927	- PETROBE	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035623935	OCEAN BE/	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035624173	- THE BREA	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035629932	- Hyland St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035629940	- Hyland St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035635682	Barbeques	DENNINGT(	3280	12/10/2024	1/9/2025	31
A092	62035637408	12 The Esp	DENNINGT(	3280	12/10/2024	1/9/2025	31
A092	62035638082	. Caramut I	Warrnamb(	3280	12/10/2024	1/9/2025	31
A092	62035638347	- Fairfax A\	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035644602	23 Beamisl	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035654922	- Cockman	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035654948	. Queens R	Warrnamb(	3280	12/10/2024	1/9/2025	31
A092	62035658972	- Manifold	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035675143	Bore Pump	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035675151	42 Cramer	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035679523	- Coulstock	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035690060	. Simpson S	Warrnamb(	3280	12/10/2024	1/9/2025	31
A092	62035693401	31 Gladsto	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035698499	20A Lava S	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035708712	- Koroit Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035714560	36 KOROIT	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718594	- Merri Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718941	89 Merri St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718959	83 Merri St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718967	- Merri Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718974	- Merri Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035718982	- Merri Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035752972	AERODRO	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62035752980	AERODRO	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62035753021	AERODRO	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	12/10/2024	1/9/2025	31
A092	62035830986	. Pertobe R	Warrnamb(	3280	12/10/2024	1/9/2025	31
A092	62035900252	187 TIMOF	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62036010573	- Logans Be	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62036018335	169 Koroit	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62036027632	- Timor Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62036168189	- Logans Be	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62036717217	49 Pertobe	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62037075609	BRIERLY C	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62037434562	LIGHTS-W/	Woodford	3281	12/10/2024	1/9/2025	31
A092	62037461343	14/ 24 Fai	Warrnamb(	3280	12/10/2024	1/9/2025	31
A092	62037461491	461 Raglan	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62037559525	133 Lava S	WARRNAM	3280	12/10/2024	1/9/2025	31

A092	62037800204	. Moore St	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62037823161	. Viaduct R	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62038006181	50 Viaduct	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038009936	10 Ward St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038313534	146 Koroit	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62038341354	TIMOR ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038341362	Timor St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038530477	Lot 2-10 G	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62038595454	76 Fairy St	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038595810	- Mortlake	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038625482	- Lava Stre	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038655753	9 Grace Av	Warrnamb	3280	12/10/2024	1/9/2025	31
A092	62038678012	- Mortlake	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038708337	146 KOROI	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62038708361	146 KOROI	MAILORS F	3275	12/10/2024	1/9/2025	31
A092	62038749298	- Liebig Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62038804153	OCEAN BE	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039218286	124 Liebig	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039218328	124 Liebig	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039268968	160 Liebig	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039322007	28-36 Moo	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039418904	160 Liebig	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039492831	72 Liebig S	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039808698	KOROIT ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62039809290	KEPLER ST	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62040498521	- Timor Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62040808779	- Timor Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62040808787	- Liebig Str	WARRNAM	3280	12/10/2024	1/9/2025	31
A092	62035714577	34 Koroit S	WARRNAM	3280	8/29/2024	#########	111
A092	62030040345	. Queens R	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62030040691	10 Scott St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62030040733	- Merri Str	WOODFOR	3281	11/10/2024	12/9/2024	30
A092	62030040873	81 Caramu	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62030079517	163-165 Ti	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62032844410	- Liebig Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62032847504	PUMP/ - N	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62032857337	OCEAN BE	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62032940953	Carpark/ 1	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62033027544	- BREAKW	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62033174000	- Koroit Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62033266885	- BREAKW	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62033465826	BOAT RAM	ALLANSFOR	3277	11/10/2024	12/9/2024	30
A092	62035622128	- Merri Str	WARRNAM	3280	11/10/2024	12/9/2024	30

A092	62035622136	- PERTROB	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035622144	- PERTROB	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035622152	- PERTROB	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035622707	- Raglan Pa	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623828	- Stanley St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623844	107 Pertob	Warrnambo	3280	11/10/2024	12/9/2024	30
A092	62035623885	OCEAN BE/	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623903	BBQS/ - PE	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623911	- PERTROB	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623927	- PETROBE	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035623935	OCEAN BE/	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035624173	- THE BREA	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035629932	- Hyland St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035629940	- Hyland St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035634066	- Lipook Cc	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035635682	Barbeques	DENNINGT(	3280	11/10/2024	12/9/2024	30
A092	62035637408	12 The Esp	DENNINGT(	3280	11/10/2024	12/9/2024	30
A092	62035638082	. Caramut I	Warrnambo	3280	11/10/2024	12/9/2024	30
A092	62035638347	- Fairfax Av	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035644602	23 Beamisl	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035654922	- Cockman	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035654948	. Queens R	Warrnambo	3280	11/10/2024	12/9/2024	30
A092	62035658972	- Manifold	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035660114	- Raglan Pa	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035675143	Bore Pump	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035675151	42 Cramer	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035679523	- Coulstock	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035690060	. Simpson S	Warrnambo	3280	11/10/2024	12/9/2024	30
A092	62035693401	31 Gladsto	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035698499	20A Lava S	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035708712	- Koroit Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035714560	36 KOROIT	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718355	- LEIBIG ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718594	- Merri Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718941	89 Merri St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718959	83 Merri St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718967	- Merri Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718974	- Merri Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035718982	- Merri Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62035752972	AERODRO	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62035752980	AERODRO	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62035753021	AERODRO	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	11/10/2024	12/9/2024	30
A092	62035830986	. Pertobe R	Warrnambo	3280	11/10/2024	12/9/2024	30
A092	62035900252	187 TIMOF	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62036010573	- Logans Be	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62036018335	169 Koroit	WARRNAM	3280	11/10/2024	12/9/2024	30

A092	62036027632	- Timor Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62036168189	- Logans B	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62036717217	49 Pertobe	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62037075609	BRIERLY C	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62037434562	LIGHTS-W	Woodford	3281	11/10/2024	12/9/2024	30
A092	62037461343	14/ 24 Fai	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62037461491	461 Raglan	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62037559525	133 Lava S	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62037800204	. Moore St	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62037823161	. Viaduct R	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62038006181	50 Viaduct	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038009936	10 Ward St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038189191	1-23 Bosto	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038313534	146 Koroit	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62038341354	TIMOR ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038341362	Timor St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038530477	Lot 2-10 G	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62038595454	76 Fairy St	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038595810	- Mortlake	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038625482	- Lava Stre	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038655753	9 Grace Av	Warrnamb	3280	11/10/2024	12/9/2024	30
A092	62038678012	- Mortlake	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038708337	146 KOROI	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62038708361	146 KOROI	MAILORS F	3275	11/10/2024	12/9/2024	30
A092	62038749298	- Liebig Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62038804153	OCEAN BE	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039218286	124 Liebig	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039218328	124 Liebig	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039268968	160 Liebig	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039322007	28-36 Moo	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039418904	160 Liebig	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039492831	72 Liebig S	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039500415	LIEBIG ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039500421	LIEBIG ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039808698	KOROIT ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62039809290	KEPLER ST	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62040498521	- Timor Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62040808779	- Timor Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62040808787	- Liebig Str	WARRNAM	3280	11/10/2024	12/9/2024	30
A092	62030040345	. Queens R	Warrnamb	3280	10/10/2024	11/9/2024	31
A092	62030040691	10 Scott St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62030040733	- Merri Str	WOODFOR	3281	10/10/2024	11/9/2024	31
A092	62030040873	81 Caramu	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62030079517	163-165 Ti	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62032844410	- Liebig Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	10/10/2024	11/9/2024	31

A092	62032857337	OCEAN BE	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62033027544	- BREAKW	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62033174000	- Koroit Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62033266885	- BREAKW	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	10/10/2024	11/9/2024	31
A092	62035622128	- Merri Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035622136	- PERTROB	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035622144	- PERTROB	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035622152	- PERTROB	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623828	- Stanley St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623844	107 Pertob	Warrnamb	3280	10/10/2024	11/9/2024	31
A092	62035623885	OCEAN BE	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623911	- PERTROB	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623927	- PETROBE	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035623935	OCEAN BE	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035624173	- THE BREA	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035629932	- Hyland St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035629940	- Hyland St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035635682	Barbeques	DENNINGT	3280	10/10/2024	11/9/2024	31
A092	62035637408	12 The Esp	DENNINGT	3280	10/10/2024	11/9/2024	31
A092	62035638082	. Caramut I	Warrnamb	3280	10/10/2024	11/9/2024	31
A092	62035638347	- Fairfax A	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035644602	23 Beamisl	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035654922	- Cockman	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035654948	. Queens R	Warrnamb	3280	10/10/2024	11/9/2024	31
A092	62035658972	- Manifold	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035675143	Bore Pump	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035675151	42 Cramer	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035679523	- Coulstock	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035690060	. Simpson S	Warrnamb	3280	10/10/2024	11/9/2024	31
A092	62035693401	31 Gladsto	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035698499	20A Lava S	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035708712	- Koroit Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035714560	36 KOROIT	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718594	- Merri Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718941	89 Merri St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718959	83 Merri St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718967	- Merri Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718974	- Merri Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035718982	- Merri Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62035752972	AERODRO	MAILORS F	3275	10/10/2024	11/9/2024	31

A092	62035752980	AERODROI	MAILORS FI	3275	10/10/2024	11/9/2024	31
A092	62035753021	AERODROI	MAILORS FI	3275	10/10/2024	11/9/2024	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	10/10/2024	11/9/2024	31
A092	62035830986	. Pertobe R	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62035900252	187 TIMOF	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62036010573	- Logans Be	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62036018335	169 Koroit	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62036027632	- Timor Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62036168189	- Logans Be	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62036717217	49 Pertobe	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62037075609	BRIERLY CI	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62037434562	LIGHTS-W/	Woodford	3281	10/10/2024	11/9/2024	31
A092	62037461343	14/ 24 Fai	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62037461491	461 Raglan	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62037559525	133 Lava S	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62037800204	. Moore St	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62037823161	. Viaduct R	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62038006181	50 Viaduct	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038009936	10 Ward St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038313534	146 Koroit	MAILORS FI	3275	10/10/2024	11/9/2024	31
A092	62038341354	TIMOR ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038341362	Timor St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038530477	Lot 2-10 G	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62038595454	76 Fairy St	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038595810	- Mortlake	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038625482	- Lava Stre	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038655753	9 Grace Av	Warrnambo	3280	10/10/2024	11/9/2024	31
A092	62038678012	- Mortlake	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038708337	146 KOROI	MAILORS FI	3275	10/10/2024	11/9/2024	31
A092	62038708361	146 KOROI	MAILORS FI	3275	10/10/2024	11/9/2024	31
A092	62038749298	- Liebig Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62038804153	OCEAN BE/	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039218286	124 Liebig	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039218328	124 Liebig	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039268968	160 Liebig	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039322007	28-36 Moo	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039418904	160 Liebig	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039492831	72 Liebig S	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039808698	KOROIT ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62039809290	KEPLER ST	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62040498521	- Timor Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62040808779	- Timor Str	WARRNAM	3280	10/10/2024	11/9/2024	31
A092	62040808787	- Liebig Str	WARRNAM	3280	10/10/2024	11/9/2024	31

A092	62035654930	4 Cockman	WARRNAM	3280	8/3/2024	#########	90
A092	62030040345	. Queens R	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62030040691	10 Scott St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62030040733	- Merri Stre	WOODFORI	3281	9/10/2024	10/9/2024	30
A092	62030040873	81 Caramu	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62030079517	163-165 Ti	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62032844410	- Liebig Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62032847504	PUMP/ - N	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62032857337	OCEAN BE/	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62032940953	Carpark/ 1	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62033027544	- BREAKW/	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62033174000	- Koroit Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62033266885	- BREAKW/	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62033465826	BOAT RAM	ALLANSFOR	3277	9/10/2024	10/9/2024	30
A092	62035622128	- Merri Stre	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035622136	- PERTROB	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035622144	- PERTROB	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035622152	- PERTROB	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035622707	- Raglan Pa	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623828	- Stanley St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623844	107 Pertob	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62035623885	OCEAN BE/	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623903	BBQS/ - PE	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623911	- PERTROB	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623927	- PETROBE	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035623935	OCEAN BE/	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035624173	- THE BREA	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035629932	- Hyland St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035629940	- Hyland St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035634066	- Lipook Cc	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035635682	Barbeques	DENNINGT(	3280	9/10/2024	10/9/2024	30
A092	62035637408	12 The Esp	DENNINGT(	3280	9/10/2024	10/9/2024	30
A092	62035638082	. Caramut I	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62035638347	- Fairfax A	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035644602	23 Beamisl	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035654922	- Cockman	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035654948	. Queens R	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62035658972	- Manifold	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035660114	- Raglan Pa	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035675143	Bore Pump	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035675151	42 Cramer	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035679523	- Coulstock	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035690060	. Simpson S	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62035693401	31 Gladsto	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035698499	20A Lava S	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035708712	- Koroit Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035714560	36 KOROIT	WARRNAM	3280	9/10/2024	10/9/2024	30

A092	62035718355	- LEIBIG ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718594	- Merri Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718941	89 Merri St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718959	83 Merri St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718967	- Merri Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718974	- Merri Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035718982	- Merri Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035752972	AERODRO	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62035752980	AERODRO	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62035753021	AERODRO	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	9/10/2024	10/9/2024	30
A092	62035830986	. Pertobe R	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62035900252	187 TIMOR	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62036010573	- Logans Be	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62036018335	169 Koroit	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62036027632	- Timor Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62036168189	- Logans Be	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62036717217	49 Pertobe	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62037075609	BRIERLY C	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62037434562	LIGHTS-W	Woodford	3281	9/10/2024	10/9/2024	30
A092	62037461343	14/ 24 Fai	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62037461491	461 Raglan	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62037559525	133 Lava S	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62037800204	. Moore St	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62037823161	. Viaduct R	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62038006181	50 Viaduct	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038009936	10 Ward St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038189191	1-23 Bosto	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038313534	146 Koroit	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62038341354	TIMOR ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038341362	Timor St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038530477	Lot 2-10 G	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62038595454	76 Fairy St	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038595810	- Mortlake	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038625482	- Lava Stre	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038655753	9 Grace Av	Warrnambo	3280	9/10/2024	10/9/2024	30
A092	62038678012	- Mortlake	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038708337	146 KOROI	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62038708361	146 KOROI	MAILORS F	3275	9/10/2024	10/9/2024	30
A092	62038749298	- Liebig Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62038804153	OCEAN BE	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039218286	124 Liebig	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039218328	124 Liebig	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039268968	160 Liebig	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039322007	28-36 Moo	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039418904	160 Liebig	WARRNAM	3280	9/10/2024	10/9/2024	30

A092	62039492831	72 Liebig S	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039500415	LIEBIG ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039500421	LIEBIG ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039808698	KOROIT ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62039809290	KEPLER ST	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62040498521	- Timor Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62040808779	- Timor Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62040808787	- Liebig Str	WARRNAM	3280	9/10/2024	10/9/2024	30
A092	62035627944	TIP/ - Brai	WARRNAM	3280	7/11/2024	10/9/2024	91
A092	62030040345	. Queens R	Warrnamb	3280	8/10/2024	9/9/2024	31
A092	62030040691	10 Scott St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62030040733	- Merri Str	WOODFOR	3281	8/10/2024	9/9/2024	31
A092	62030040873	81 Caramu	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62030079517	163-165 Ti	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62032844410	- Liebig Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62032857337	OCEAN BE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62033027544	- BREAKW	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62033174000	- Koroit Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62033266885	- BREAKW	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	8/10/2024	9/9/2024	31
A092	62035622128	- Merri Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035622136	- PERTROB	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035622144	- PERTROB	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035622152	- PERTROB	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623828	- Stanley St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623844	107 Pertob	Warrnamb	3280	8/10/2024	9/9/2024	31
A092	62035623885	OCEAN BE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623911	- PERTROB	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623927	- PETROBE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035623935	OCEAN BE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035624173	- THE BREA	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035629932	- Hyland St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035629940	- Hyland St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035635682	Barbeques	DENNINGT	3280	8/10/2024	9/9/2024	31
A092	62035637408	12 The Esp	DENNINGT	3280	8/10/2024	9/9/2024	31
A092	62035638082	. Caramut I	Warrnamb	3280	8/10/2024	9/9/2024	31
A092	62035638347	- Fairfax Av	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035644602	23 Beamisl	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035654922	- Cockman	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035654948	. Queens R	Warrnamb	3280	8/10/2024	9/9/2024	31
A092	62035658972	- Manifold	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	8/10/2024	9/9/2024	31

A092	62035675143	Bore Pump	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035675151	42 Cramer	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035679523	- Coulstock	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035690060	. Simpson S	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62035693401	31 Gladsto	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035698499	20A Lava S	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035708712	- Koroit Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035714560	36 KOROIT	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718594	- Merri Stre	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718941	89 Merri St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718959	83 Merri St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718967	- Merri Stre	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718974	- Merri Stre	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035718982	- Merri Stre	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62035752972	AERODROI	MAILORS FI	3275	8/10/2024	9/9/2024	31
A092	62035752980	AERODROI	MAILORS FI	3275	8/10/2024	9/9/2024	31
A092	62035753021	AERODROI	MAILORS FI	3275	8/10/2024	9/9/2024	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	8/10/2024	9/9/2024	31
A092	62035830986	. Pertobe R	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62035900252	187 TIMOF	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62036010573	- Logans Be	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62036018335	169 Koroit	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62036027632	- Timor Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62036168189	- Logans Be	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62036717217	49 Pertobe	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62037075609	BRIERLY CI	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62037434562	LIGHTS-W/	Woodford	3281	8/10/2024	9/9/2024	31
A092	62037461343	14/ 24 Fai	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62037461491	461 Raglan	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62037559525	133 Lava S	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62037800204	. Moore St	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62037823161	. Viaduct R	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62038006181	50 Viaduct	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038009936	10 Ward St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038313534	146 Koroit	MAILORS FI	3275	8/10/2024	9/9/2024	31
A092	62038341354	TIMOR ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038341362	Timor St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038530477	Lot 2-10 G	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62038595454	76 Fairy St	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038595810	- Mortlake	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038625482	- Lava Stre	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038655753	9 Grace Av	Warrnambo	3280	8/10/2024	9/9/2024	31
A092	62038678012	- Mortlake	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038708337	146 KOROI	MAILORS FI	3275	8/10/2024	9/9/2024	31

A092	62038708361	146 KOROI	MAILORS F	3275	8/10/2024	9/9/2024	31
A092	62038749298	- Liebig Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62038804153	OCEAN BE	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039218286	124 Liebig	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039218328	124 Liebig	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039268968	160 Liebig	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039322007	28-36 Moo	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039418904	160 Liebig	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039492831	72 Liebig S	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039808698	KOROIT ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62039809290	KEPLER ST	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62040498521	- Timor Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62040808779	- Timor Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62040808787	- Liebig Str	WARRNAM	3280	8/10/2024	9/9/2024	31
A092	62030040345	. Queens R	Warrnamb	3280	7/10/2024	8/9/2024	31
A092	62030040691	10 Scott St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62030040733	- Merri Str	WOODFOR	3281	7/10/2024	8/9/2024	31
A092	62030040873	81 Caramu	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62030079517	163-165 Ti	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62032844410	- Liebig Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62032857337	OCEAN BE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62033027544	- BREAKW	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62033174000	- Koroit Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62033266885	- BREAKW	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	7/10/2024	8/9/2024	31
A092	62035622128	- Merri Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035622136	- PERTROB	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035622144	- PERTROB	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035622152	- PERTROB	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623828	- Stanley St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623844	107 Pertob	Warrnamb	3280	7/10/2024	8/9/2024	31
A092	62035623885	OCEAN BE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623911	- PERTROB	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623927	- PETROBE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035623935	OCEAN BE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035624173	- THE BREA	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035629932	- Hyland St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035629940	- Hyland St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035635682	Barbeques	DENNINGT	3280	7/10/2024	8/9/2024	31
A092	62035637408	12 The Esp	DENNINGT	3280	7/10/2024	8/9/2024	31

A092	62035638082	. Caramut I	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62035638347	- Fairfax Av	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035644602	23 Beamisl	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035654922	- Cockman	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035654948	. Queens R	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62035658972	- Manifold	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035675143	Bore Pump	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035675151	42 Cramer	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035679523	- Coulstock	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035690060	. Simpson S	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62035693401	31 Gladsto	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035698499	20A Lava S	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035708712	- Koroit Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035714560	36 KOROIT	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718594	- Merri Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718941	89 Merri St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718959	83 Merri St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718967	- Merri Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718974	- Merri Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035718982	- Merri Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035752972	AERODRO	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62035752980	AERODRO	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62035753021	AERODRO	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	7/10/2024	8/9/2024	31
A092	62035830986	. Pertobe R	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62035900252	187 TIMOR	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62036010573	- Logans Be	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62036018335	169 Koroit	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62036027632	- Timor Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62036168189	- Logans Be	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62036717217	49 Pertobe	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62037075609	BRIERLY C	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62037434562	LIGHTS-W/	Woodford	3281	7/10/2024	8/9/2024	31
A092	62037461343	14/ 24 Fai	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62037461491	461 Raglan	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62037559525	133 Lava S	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62037800204	. Moore St	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62037823161	. Viaduct R	Warrnambo	3280	7/10/2024	8/9/2024	31
A092	62038006181	50 Viaduct	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038009936	10 Ward St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038313534	146 Koroit	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62038341354	TIMOR ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038341362	Timor St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	7/10/2024	8/9/2024	31

A092	62038530477	Lot 2-10 G	Warrnamb	3280	7/10/2024	8/9/2024	31
A092	62038595454	76 Fairy St	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038595810	- Mortlake	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038625482	- Lava Stre	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038655753	9 Grace Av	Warrnamb	3280	7/10/2024	8/9/2024	31
A092	62038678012	- Mortlake	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038708337	146 KOROI	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62038708361	146 KOROI	MAILORS F	3275	7/10/2024	8/9/2024	31
A092	62038749298	- Liebig Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62038804153	OCEAN BE	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039218286	124 Liebig	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039218328	124 Liebig	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039268968	160 Liebig	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039322007	28-36 Moo	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039418904	160 Liebig	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039492831	72 Liebig S	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039808698	KOROIT ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62039809290	KEPLER ST	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62040498521	- Timor Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62040808779	- Timor Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62040808787	- Liebig Str	WARRNAM	3280	7/10/2024	8/9/2024	31
A092	62035654930	4 Cockman	WARRNAM	3280	5/5/2024	8/2/2024	90
A092	62030040345	. Queens R	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62030040691	10 Scott St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62030040733	- Merri Str	WOODFOR	3281	6/10/2024	7/9/2024	30
A092	62030040873	81 Caramu	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62030079517	163-165 Ti	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62032844410	- Liebig Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62032847504	PUMP/ - N	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62032857337	OCEAN BE	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62032940953	Carpark/ 1	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62033027544	- BREAKW	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62033174000	- Koroit Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62033266885	- BREAKW	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62033465826	BOAT RAM	ALLANSFOR	3277	6/10/2024	7/9/2024	30
A092	62035622128	- Merri Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035622136	- PERTROB	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035622144	- PERTROB	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035622152	- PERTROB	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035622707	- Raglan Pa	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035623828	- Stanley St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035623844	107 Pertob	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62035623885	OCEAN BE	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035623903	BBQS/ - P	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035623911	- PERTROB	WARRNAM	3280	6/10/2024	7/9/2024	30

A092	62035623927	- PETROBE	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035623935	OCEAN BE/	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035624173	- THE BREA	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035627944	TIP/ - Brait	WARRNAM	3280	4/11/2024	7/10/2024	91
A092	62035629932	- Hyland St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035629940	- Hyland St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035634066	- Lipook Cc	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035635682	Barbeques	DENNINGT(	3280	6/10/2024	7/9/2024	30
A092	62035637408	12 The Esp	DENNINGT(	3280	6/10/2024	7/9/2024	30
A092	62035638082	. Caramut I	Warrnamb(	3280	6/10/2024	7/9/2024	30
A092	62035638347	- Fairfax A\	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035644602	23 Beamisl	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035654922	- Cockman	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035654948	. Queens R	Warrnamb(	3280	6/10/2024	7/9/2024	30
A092	62035658972	- Manifold	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035660114	- Raglan Pa	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035675143	Bore Pump	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035675151	42 Cramer	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035679523	- Coulstock	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035690060	. Simpson S	Warrnamb(	3280	6/10/2024	7/9/2024	30
A092	62035693401	31 Gladsto	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035698499	20A Lava S	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035708712	- Koroit Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035714560	36 KOROIT	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718355	- LEIBIG ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718594	- Merri Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718941	89 Merri St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718959	83 Merri St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718967	- Merri Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718974	- Merri Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035718982	- Merri Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62035752972	AERODROI	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62035752980	AERODROI	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62035753021	AERODROI	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	6/10/2024	7/9/2024	30
A092	62035830986	. Pertobe R	Warrnamb(	3280	6/10/2024	7/9/2024	30
A092	62035900252	187 TIMOF	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62036010573	- Logans Be	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62036018335	169 Koroit	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62036027632	- Timor Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62036168189	- Logans Be	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62036717217	49 Pertobe	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62037075609	BRIERLY CI	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62037434562	LIGHTS-W/	Woodford	3281	6/10/2024	7/9/2024	30
A092	62037461343	14/ 24 Fai	Warrnamb(	3280	6/10/2024	7/9/2024	30
A092	62037461491	461 Raglan	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62037559525	133 Lava S	WARRNAM	3280	6/10/2024	7/9/2024	30

A092	62037800204	. Moore St	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62037823161	. Viaduct R	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62038006181	50 Viaduct	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038009936	10 Ward St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038189191	1-23 Bosto	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038313534	146 Koroit	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62038341354	TIMOR ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038341362	Timor St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038530477	Lot 2-10 G	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62038595454	76 Fairy St	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038595810	- Mortlake	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038625482	- Lava Stre	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038655753	9 Grace Av	Warrnamb	3280	6/10/2024	7/9/2024	30
A092	62038678012	- Mortlake	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038708337	146 KOROI	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62038708361	146 KOROI	MAILORS F	3275	6/10/2024	7/9/2024	30
A092	62038749298	- Liebig Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62038804153	OCEAN BE	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039218286	124 Liebig	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039218328	124 Liebig	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039268968	160 Liebig	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039322007	28-36 Moo	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039418904	160 Liebig	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039492831	72 Liebig S	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039500415	LIEBIG ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039500421	LIEBIG ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039808698	KOROIT ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62039809290	KEPLER ST	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62040498521	- Timor Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62040808779	- Timor Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62040808787	- Liebig Str	WARRNAM	3280	6/10/2024	7/9/2024	30
A092	62030040345	. Queens R	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62030040691	10 Scott St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62030040733	- Merri Str	WOODFOR	3281	5/10/2024	6/9/2024	31
A092	62030040873	81 Caramu	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62030079517	163-165 Ti	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62032844410	- Liebig Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62032847504	PUMP/ - N	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62032857337	OCEAN BE	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62032940953	Carpark/ 1	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62033027544	- BREAKW	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62033174000	- Koroit Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62033266885	- BREAKW	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62033465826	BOAT RAM	ALLANSFOR	3277	5/10/2024	6/9/2024	31
A092	62035622128	- Merri Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035622136	- PERTROB	WARRNAM	3280	5/10/2024	6/9/2024	31

A092	62035622144	- PERTROB	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035622152	- PERTROB	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035622707	- Raglan Pa	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623828	- Stanley St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623844	107 Pertob	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62035623885	OCEAN BE	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623903	BBQS/ - PE	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623911	- PERTROB	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623927	- PETROBE	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035623935	OCEAN BE	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035624173	- THE BREA	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035629932	- Hyland St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035629940	- Hyland St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035634066	- Lipook Cc	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035635682	Barbeques	DENNINGT	3280	5/10/2024	6/9/2024	31
A092	62035637408	12 The Esp	DENNINGT	3280	5/10/2024	6/9/2024	31
A092	62035638082	. Caramut I	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62035638347	- Fairfax A	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035644602	23 Beamisl	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035654922	- Cockman	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035654948	. Queens R	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62035658972	- Manifold	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035660114	- Raglan Pa	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035675143	Bore Pump	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035675151	42 Cramer	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035679523	- Coulstock	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035690060	. Simpson S	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62035693401	31 Gladsto	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035698499	20A Lava S	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035708712	- Koroit Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035714560	36 KOROIT	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718355	- LEIBIG ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718594	- Merri Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718941	89 Merri St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718959	83 Merri St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718967	- Merri Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718974	- Merri Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035718982	- Merri Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035752972	AERODRO	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62035752980	AERODRO	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62035753021	AERODRO	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	5/10/2024	6/9/2024	31
A092	62035830986	. Pertobe R	Warrnamb	3280	5/10/2024	6/9/2024	31
A092	62035900252	187 TIMOF	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62036010573	- Logans Be	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62036018335	169 Koroit	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62036027632	- Timor Str	WARRNAM	3280	5/10/2024	6/9/2024	31

A092	62036168189	- Logans Be	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62036717217	49 Pertobe	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62037075609	BRIERLY CI	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62037434562	LIGHTS-W/	Woodford	3281	5/10/2024	6/9/2024	31
A092	62037461343	14/ 24 Fai	Warrnambo	3280	5/10/2024	6/9/2024	31
A092	62037461491	461 Raglan	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62037559525	133 Lava S	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62037800204	. Moore St	Warrnambo	3280	5/10/2024	6/9/2024	31
A092	62037823161	. Viaduct R	Warrnambo	3280	5/10/2024	6/9/2024	31
A092	62038006181	50 Viaduct	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038009936	10 Ward St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038189191	1-23 Bosto	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038313534	146 Koroit	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62038341354	TIMOR ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038341362	Timor St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038530477	Lot 2-10 G	Warrnambo	3280	5/10/2024	6/9/2024	31
A092	62038595454	76 Fairy St	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038595810	- Mortlake	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038625482	- Lava Stre	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038655753	9 Grace Av	Warrnambo	3280	5/10/2024	6/9/2024	31
A092	62038678012	- Mortlake	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038708337	146 KOROI	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62038708361	146 KOROI	MAILORS F	3275	5/10/2024	6/9/2024	31
A092	62038749298	- Liebig Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62038804153	OCEAN BE/	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039218286	124 Liebig	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039218328	124 Liebig	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039268968	160 Liebig	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039322007	28-36 Moo	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039418904	160 Liebig	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039492831	72 Liebig S	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039500415	LIEBIG ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039500421	LIEBIG ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039808698	KOROIT ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62039809290	KEPLER ST	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62040498521	- Timor Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62040808779	- Timor Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62040808787	- Liebig Str	WARRNAM	3280	5/10/2024	6/9/2024	31
A092	62035654930	4 Cockman	WARRNAM	3280	2/5/2024	5/4/2024	90
A092	62030040345	. Queens R	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62030040691	10 Scott St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62030040733	- Merri Stre	WOODFOR	3281	4/10/2024	5/9/2024	30
A092	62030040873	81 Caramu	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62030079517	163-165 Ti	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62032844410	- Liebig Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62032847504	PUMP/ - N	WARRNAM	3280	4/10/2024	5/9/2024	30

A092	62032857337	OCEAN BE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62032940953	Carpark/ 1	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62033027544	- BREAKW	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62033174000	- Koroit Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62033266885	- BREAKW	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62033465826	BOAT RAM	ALLANSFOR	3277	4/10/2024	5/9/2024	30
A092	62035622128	- Merri Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035622136	- PERTROB	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035622144	- PERTROB	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035622152	- PERTROB	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035622707	- Raglan Pa	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623828	- Stanley St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623844	107 Pertob	Warrnamb	3280	4/10/2024	5/9/2024	30
A092	62035623885	OCEAN BE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623903	BBQS/ - PE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623911	- PERTROB	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623927	- PETROBE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035623935	OCEAN BE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035624173	- THE BREA	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035629932	- Hyland St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035629940	- Hyland St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035634066	- Lipook Cc	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035635682	Barbeques	DENNINGT	3280	4/10/2024	5/9/2024	30
A092	62035637408	12 The Esp	DENNINGT	3280	4/10/2024	5/9/2024	30
A092	62035638082	. Caramut I	Warrnamb	3280	4/10/2024	5/9/2024	30
A092	62035638347	- Fairfax Av	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035644602	23 Beamisl	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035654922	- Cockman	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035654948	. Queens R	Warrnamb	3280	4/10/2024	5/9/2024	30
A092	62035658972	- Manifold	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035660114	- Raglan Pa	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035675143	Bore Pump	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035675151	42 Cramer	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035679523	- Coulstock	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035690060	. Simpson S	Warrnamb	3280	4/10/2024	5/9/2024	30
A092	62035693401	31 Gladsto	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035698499	20A Lava S	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035708712	- Koroit Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035714560	36 KOROIT	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718355	- LEIBIG ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718594	- Merri Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718941	89 Merri St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718959	83 Merri St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718967	- Merri Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718974	- Merri Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035718982	- Merri Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62035752972	AERODRO	MAILORS F	3275	4/10/2024	5/9/2024	30

A092	62035752980	AERODROI	MAILORS FI	3275	4/10/2024	5/9/2024	30
A092	62035753021	AERODROI	MAILORS FI	3275	4/10/2024	5/9/2024	30
A092	62035776733	82 Ziegler I	ALLANSFOR	3277	4/10/2024	5/9/2024	30
A092	62035830986	. Pertobe R	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62035900252	187 TIMOF	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62036010573	- Logans Be	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62036018335	169 Koroit	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62036027632	- Timor Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62036168189	- Logans Be	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62036717217	49 Pertobe	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62037075609	BRIERLY C	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62037434562	LIGHTS-W/	Woodford	3281	4/10/2024	5/9/2024	30
A092	62037461343	14/ 24 Fai	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62037461491	461 Raglan	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62037559525	133 Lava S	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62037800204	. Moore St	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62037823161	. Viaduct R	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62038006181	50 Viaduct	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038009936	10 Ward St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038189191	1-23 Bosto	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038313534	146 Koroit	MAILORS FI	3275	4/10/2024	5/9/2024	30
A092	62038341354	TIMOR ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038341362	Timor St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038529668	TNCY 5/ 4	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038530477	Lot 2-10 G	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62038595454	76 Fairy St	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038595810	- Mortlake	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038625482	- Lava Stre	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038655753	9 Grace Av	Warrnambo	3280	4/10/2024	5/9/2024	30
A092	62038678012	- Mortlake	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038708337	146 KOROI	MAILORS FI	3275	4/10/2024	5/9/2024	30
A092	62038708361	146 KOROI	MAILORS FI	3275	4/10/2024	5/9/2024	30
A092	62038749298	- Liebig Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62038804153	OCEAN BE	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039218286	124 Liebig	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039218328	124 Liebig	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039268968	160 Liebig	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039322007	28-36 Moo	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039418904	160 Liebig	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039492831	72 Liebig S	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039500415	LIEBIG ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039500421	LIEBIG ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039808698	KOROIT ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62039809290	KEPLER ST	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62040498521	- Timor Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62040808779	- Timor Str	WARRNAM	3280	4/10/2024	5/9/2024	30
A092	62040808787	- Liebig Str	WARRNAM	3280	4/10/2024	5/9/2024	30

GST	New Charg	Balance ca	Closing Bal	Date Issued	Network T	Network T	Bill Class	Meter Seri
5.49	60.29	59.89	120.18	4/10/2025	NDTOU	Origin - Pov	BUSI	A5533977
59.48	654.13	497.97	1152.1	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ167709
63.91	702.92	744.95	1447.87	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ152963
126.43	1390.63	1219.8	2610.43	4/10/2025	NDM	Origin - Pov	BUSI	B9180043
90.4	994.37	945.26	1939.63	4/10/2025	NDTOU	Origin - Pov	BUSI	B8283056
2.59	28.45	25.7	54.15	4/10/2025	NDTOU	Origin - Pov	BUSI	CZ235631
22.53	247.8	260.81	508.61	4/10/2025	NDTOU	Origin - Pov	BUSI	B6267595
4.57	50.12	49.14	99.26	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ138041
3.59	39.47	34.75	74.22	4/10/2025	ND1	Origin - Pov	BUSI	A4363829
13.5	148.43	168.93	317.36	4/10/2025	NDTOU	Origin - Pov	BUSI	A5850611
4.18	45.88	37.89	83.77	4/10/2025	NDTOU	Origin - Pov	BUSI	A8850544
8.31	91.25	77	168.25	4/10/2025	NDTOU	Origin - Pov	BUSI	A0840728
5.68	62.52	56.1	118.62	4/10/2025	NDTOU	Origin - Pov	BUSI	A7851808
257.55	2832.98	2284.73	5117.71	4/10/2025	NDTOU	Origin - Pov	BUSI	B7242452
50.71	557.71	680.41	1238.12	4/10/2025	NDTOU	Origin - Pov	BUSI	B5125232
42.69	469.56	1294.58	1764.14	4/10/2025	NDTOU	Origin - Pov	BUSI	B0252600
93.93	1033.1	1098.65	2131.75	4/10/2025	NDM	Origin - Pov	BUSI	B7252678
52.71	579.63	465.99	1045.62	4/10/2025	NDTOU	Origin - Pov	BUSI	B9125490
10.34	113.71	106.83	220.54	4/10/2025	ND1	Origin - Pov	BUSI	B5102900
14.31	157.27	130.3	287.57	4/10/2025	ND1	Origin - Pov	BUSI	CZ189774
57.04	627.32	653.15	1280.47	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ117908
6.17	67.76	75.46	143.22	4/10/2025	NDTOU	Origin - Pov	BUSI	B7125236
35.2	387.13	386.59	773.72	4/10/2025	NDTOU	Origin - Pov	BUSI	B0260285
7.89	86.7	70.62	157.32	4/10/2025	D1	Origin - Pov	RESI	A7777257
17.93	197.07	184.97	382.04	4/10/2025	D1	Origin - Pov	RESI	A5777258
4.86	53.41	44.91	98.32	4/10/2025	NDTOU	Origin - Pov	BUSI	A3424832
11.77	129.42	128.06	257.48	4/10/2025	NDTOU	Origin - Pov	BUSI	A2790251
15.88	174.58	206.53	381.11	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ159519
26.07	286.69	285.13	571.82	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ142019
7.24	79.51	68.3	147.81	4/10/2025	ND1	Origin - Pov	BUSI	DZ141983
13.59	149.32	144.2	293.52	4/10/2025	NDTOU	Origin - Pov	BUSI	B2199985
3.1	33.97	31.42	65.39	4/10/2025	ND1	Origin - Pov	BUSI	B2131348
30.66	337.19	127.53	464.72	4/10/2025	ND1	Origin - Pov	BUSI	B1155076
5.65	62.12	55.84	117.96	4/10/2025	ND1	Origin - Pov	BUSI	B7142264
51.05	561.5	559.85	1121.35	4/10/2025	ND1	Origin - Pov	BUSI	DZ136889
18.81	206.87	201.32	408.19	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ157769
9.19	100.97	106.54	207.51	4/10/2025	ND1	Origin - Pov	BUSI	DZ138130
2.59	28.45	25.7	54.15	4/10/2025	ND1	Origin - Pov	BUSI	B3125493
8.56	94.1	78.5	172.6	4/10/2025	NDTOU	Origin - Pov	BUSI	B6265930
108.4	1192.33	756.52	1948.85	4/10/2025	NDTOU	Origin - Pov	BUSI	B8265330
36.93	406.23	287.22	693.45	4/10/2025	NDTOU	Origin - Pov	BUSI	DZ167705
2.59	28.45	25.7	54.15	4/10/2025	ND1	Origin - Pov	BUSI	A8399463
5.16	56.71	50.66	107.37	4/10/2025	ND1	Origin - Pov	BUSI	DZ132519
26.16	287.8	276.26	564.06	4/10/2025	NDTOU	Origin - Pov	BUSI	B5222191
9.98	109.76	100.5	210.26	4/10/2025	NDTOU	Origin - Pov	BUSI	CZ235630
2.37	26	22.39	48.39	4/10/2025	D1	Origin - Pov	RESI	A3364089

3.9	42.92	43.51	86.43	4/10/2025	NDTOU	Origin - Pov BUSI	DZ151727
3.19	35.14	31.42	66.56	4/10/2025	NDTOU	Origin - Pov BUSI	A5441227
3.86	42.37	69.32	111.69	4/10/2025	ND1	Origin - Pov BUSI	DZ164450
11.39	125.22	51.38	176.6	4/10/2025	D1	Origin - Pov RESI	A6398931
3.31	36.38	33.06	69.44	4/10/2025	ND1	Origin - Pov BUSI	A4795922
38.69	425.54	397.9	823.44	4/10/2025	NDTOU	Origin - Pov BUSI	B9222076
8.14	89.55	75.18	164.73	4/10/2025	NDTOU	Origin - Pov BUSI	DZ155935
3.83	42.13	30.9	73.03	4/10/2025	NDTOU	Origin - Pov BUSI	DZ133799
29.18	320.83	272.34	593.17	4/10/2025	NDTOU	Origin - Pov BUSI	DZ113935
3.63	39.86	37.19	77.05	4/10/2025	ND1	Origin - Pov BUSI	A1375272
13.61	149.61	143.96	293.57	4/10/2025	PFIT	Origin - Pov BUSI	DZ122918
40.91	449.91	528.9	978.81	4/10/2025	NDTOU	Origin - Pov BUSI	B8102951
93.33	1026.72	1003.99	2030.71	4/10/2025	NDTOU	Origin - Pov BUSI	DZ131340
4.82	53.03	43.16	96.19	4/10/2025	NDTOU	Origin - Pov BUSI	CZ245532
3.25	35.71	31.62	67.33	4/10/2025	ND1	Origin - Pov BUSI	A5818036
11.17	122.81	104.43	227.24	4/10/2025	NDTOU	Origin - Pov BUSI	A9850539
2.61	28.67	25.7	54.37	4/10/2025	NDTOU	Origin - Pov BUSI	B2139542
4.51	49.57	47.79	97.36	4/10/2025	NDTOU	Origin - Pov BUSI	B4232469
17.9	196.74	30.67	227.41	4/10/2025	ND1	Origin - Pov BUSI	B0125423
2.59	28.45	25.7	54.15	4/10/2025	NDTOU	Origin - Pov BUSI	A2585444
13.9	152.78	147.48	300.26	4/10/2025	NDTOU	Origin - Pov BUSI	DZ157765
12.4	136.36	135.41	271.77	4/10/2025	NDTOU	Origin - Pov BUSI	B2137963
21.7	238.64	200.06	438.7	4/10/2025	NDTOU	Origin - Pov BUSI	DZ161871
2.84	31.17	28.05	59.22	4/10/2025	NDTOU	Origin - Pov BUSI	CZ245031
6.35	69.82	62.23	132.05	4/10/2025	NDTOU	Origin - Pov BUSI	DZ124190
95.15	1046.54	1106.17	2152.71	4/10/2025	NDTOU	Origin - Pov BUSI	DZ124134
21.46	235.96	270.74	506.7	4/10/2025	NDTOU	Origin - Pov BUSI	DZ131420
2.9	31.9	29.33	61.23	4/10/2025	NDTOU	Origin - Pov BUSI	CZ238801
3.35	36.88	34.13	71.01	4/10/2025	NDTOU	Origin - Pov BUSI	DZ151512
18.36	201.87	186.87	388.74	4/10/2025	NDTOU	Origin - Pov BUSI	DZ151591
38.73	426.01	410.88	836.89	4/10/2025	NDTOU	Origin - Pov BUSI	DZ151576
13.87	152.5	127.38	279.88	4/10/2025	ND1	Origin - Pov BUSI	B2265932
3.54	38.85	34.61	73.46	4/10/2025	ND1	Origin - Pov BUSI	CZ296202
3.49	38.36	34.3	72.66	4/10/2025	ND1	Origin - Pov BUSI	A9259962
3.57	39.16	34.42	73.58	4/10/2025	ND1	Origin - Pov BUSI	A8362578
4.2	46.15	42.05	88.2	4/10/2025	ND1	Origin - Pov BUSI	A5941494
3.87	42.51	37.32	79.83	4/10/2025	ND1	Origin - Pov BUSI	CZ268238
5.82	63.93	58.48	122.41	4/10/2025	ND1	Origin - Pov BUSI	CZ101995
9.56	105.09	238.79	343.88	4/10/2025	ND1	Origin - Pov BUSI	DZ149477
10.84	119.23	26.82	146.05	4/10/2025	ND1	Origin - Pov BUSI	B8252625
2.84	31.22	27.93	59.15	4/10/2025	ND1	Origin - Pov BUSI	A1372924
3.49	38.37	35.9	74.27	4/10/2025	ND1	Origin - Pov BUSI	B2235478
36.56	402.2	320.44	722.64	4/10/2025	ND1	Origin - Pov BUSI	B8237832
2.96	32.56	29.57	62.13	4/10/2025	ND1	Origin - Pov BUSI	B6255875
24.03	264.24	218.18	482.42	4/10/2025	ND1	Origin - Pov BUSI	DZ168872
21.22	233.34	282.09	515.43	4/10/2025	D1	Origin - Pov RESI	B9168508
2.59	28.49	25.77	54.26	4/10/2025	ND1	Origin - Pov BUSI	B7249505

2.59	28.45	33.29	61.74	4/10/2025	ND1	Origin - Pov BUSI	B5249667
40.43	444.56	383.23	827.79	4/10/2025	ND1	Origin - Pov BUSI	B7249666
2.59	28.45	25.71	54.16	4/10/2025	ND1	Origin - Pov BUSI	B7249444
17.99	197.85	170.53	368.38	4/10/2025	ND1	Origin - Pov BUSI	B2147547
13.36	146.91	122.28	269.19	4/10/2025	ND1	Origin - Pov BUSI	B6178693
9.51	104.55	86.36	190.91	4/10/2025	NDTOU	Origin - Pov BUSI	A5985238
2.75	30.14	26.85	56.99	4/10/2025	NDTOU	Origin - Pov BUSI	A1754287
2.59	28.45	25.7	54.15	4/10/2025	NDTOU	Origin - Pov BUSI	A5436976
5.45	59.89	0	59.89	4/7/2025	NDTOU	Origin - Pov BUSI	A5533977
45.28	497.97	0	497.97	4/7/2025	NDTOU	Origin - Pov BUSI	DZ167709
67.73	744.95	0	744.95	4/7/2025	NDTOU	Origin - Pov BUSI	DZ152963
110.9	1219.8	0	1219.8	4/7/2025	NDM	Origin - Pov BUSI	B9180043
85.94	945.26	0	945.26	4/7/2025	NDTOU	Origin - Pov BUSI	B8283056
2.34	25.7	0	25.7	4/7/2025	NDTOU	Origin - Pov BUSI	CZ235631
23.72	260.81	0	260.81	4/7/2025	NDTOU	Origin - Pov BUSI	B6267595
4.47	49.14	0	49.14	4/7/2025	NDTOU	Origin - Pov BUSI	DZ138041
3.17	34.75	0	34.75	4/7/2025	ND1	Origin - Pov BUSI	A4363829
15.36	168.93	0	168.93	4/7/2025	NDTOU	Origin - Pov BUSI	A5850611
3.45	37.89	0	37.89	4/7/2025	NDTOU	Origin - Pov BUSI	A8850544
7.01	77	0	77	4/7/2025	NDTOU	Origin - Pov BUSI	A0840728
5.1	56.1	0	56.1	4/7/2025	NDTOU	Origin - Pov BUSI	A7851808
207.71	2284.73	0	2284.73	4/7/2025	NDTOU	Origin - Pov BUSI	B7242452
61.86	680.41	0	680.41	4/7/2025	NDTOU	Origin - Pov BUSI	B5125232
117.69	1294.58	0	1294.58	4/7/2025	NDTOU	Origin - Pov BUSI	B0252600
99.88	1098.65	0	1098.65	4/7/2025	NDM	Origin - Pov BUSI	B7252678
42.36	465.99	0	465.99	4/7/2025	NDTOU	Origin - Pov BUSI	B9125490
9.71	106.83	0	106.83	4/7/2025	ND1	Origin - Pov BUSI	B5102900
11.84	130.3	0	130.3	4/7/2025	ND1	Origin - Pov BUSI	CZ189774
59.38	653.15	0	653.15	4/7/2025	NDTOU	Origin - Pov BUSI	DZ117908
6.88	75.46	0	75.46	4/7/2025	NDTOU	Origin - Pov BUSI	B7125236
35.14	386.59	0	386.59	4/7/2025	NDTOU	Origin - Pov BUSI	B0260285
6.42	70.62	0	70.62	4/7/2025	D1	Origin - Pov RESI	A7777257
16.82	184.97	0	184.97	4/7/2025	D1	Origin - Pov RESI	A5777258
4.09	44.91	0	44.91	4/7/2025	NDTOU	Origin - Pov BUSI	A3424832
11.65	128.06	0	128.06	4/7/2025	NDTOU	Origin - Pov BUSI	A2790251
18.78	206.53	0	206.53	4/7/2025	NDTOU	Origin - Pov BUSI	DZ159519
25.93	285.13	0	285.13	4/7/2025	NDTOU	Origin - Pov BUSI	DZ142019
6.21	68.3	0	68.3	4/7/2025	ND1	Origin - Pov BUSI	DZ141983
13.12	144.2	0	144.2	4/7/2025	NDTOU	Origin - Pov BUSI	B2199985
2.86	31.42	0	31.42	4/7/2025	ND1	Origin - Pov BUSI	B2131348
11.6	127.53	0	127.53	4/7/2025	ND1	Origin - Pov BUSI	B1155076
5.08	55.84	0	55.84	4/7/2025	ND1	Origin - Pov BUSI	B7142264
50.91	559.85	0	559.85	4/7/2025	ND1	Origin - Pov BUSI	DZ136889
18.31	201.32	0	201.32	4/7/2025	NDTOU	Origin - Pov BUSI	DZ157769
9.69	106.54	0	106.54	4/7/2025	ND1	Origin - Pov BUSI	DZ138130
2.34	25.7	0	25.7	4/7/2025	ND1	Origin - Pov BUSI	B3125493
7.14	78.5	0	78.5	4/7/2025	NDTOU	Origin - Pov BUSI	B6265930

68.77	756.52	0	756.52	4/7/2025	NDTOU	Origin - Pov BUSI	B8265330
26.11	287.22	0	287.22	4/7/2025	NDTOU	Origin - Pov BUSI	DZ167705
2.34	25.7	0	25.7	4/7/2025	ND1	Origin - Pov BUSI	A8399463
4.61	50.66	0	50.66	4/7/2025	ND1	Origin - Pov BUSI	DZ132519
25.13	276.26	0	276.26	4/7/2025	NDTOU	Origin - Pov BUSI	B5222191
9.14	100.5	0	100.5	4/7/2025	NDTOU	Origin - Pov BUSI	CZ235630
2.04	22.39	0	22.39	4/7/2025	D1	Origin - Pov RESI	A3364089
9.88	108.68	0	108.68	4/7/2025	D1	Origin - Pov RESI	A1364103
3.96	43.51	0	43.51	4/7/2025	NDTOU	Origin - Pov BUSI	DZ151727
2.86	31.42	0	31.42	4/7/2025	NDTOU	Origin - Pov BUSI	A5441227
6.31	69.32	0	69.32	4/7/2025	ND1	Origin - Pov BUSI	DZ164450
4.67	51.38	0	51.38	4/7/2025	D1	Origin - Pov RESI	A6398931
3.02	33.06	0	33.06	4/7/2025	ND1	Origin - Pov BUSI	A4795922
36.17	397.9	0	397.9	4/7/2025	NDTOU	Origin - Pov BUSI	B9222076
6.84	75.18	0	75.18	4/7/2025	NDTOU	Origin - Pov BUSI	DZ155935
2.81	30.9	0	30.9	4/7/2025	NDTOU	Origin - Pov BUSI	DZ133799
24.77	272.34	0	272.34	4/7/2025	NDTOU	Origin - Pov BUSI	DZ113935
3.39	37.19	0	37.19	4/7/2025	ND1	Origin - Pov BUSI	A1375272
13.09	143.96	0	143.96	4/7/2025	PFIT	Origin - Pov BUSI	DZ122918
48.09	528.9	0	528.9	4/7/2025	NDTOU	Origin - Pov BUSI	B8102951
91.27	1003.99	0	1003.99	4/7/2025	NDTOU	Origin - Pov BUSI	DZ131340
3.93	43.16	0	43.16	4/7/2025	NDTOU	Origin - Pov BUSI	CZ245532
2.88	31.62	0	31.62	4/7/2025	ND1	Origin - Pov BUSI	A5818036
9.5	104.43	0	104.43	4/7/2025	NDTOU	Origin - Pov BUSI	A9850539
2.34	25.7	0	25.7	4/7/2025	NDTOU	Origin - Pov BUSI	B2139542
4.34	47.79	0	47.79	4/7/2025	NDTOU	Origin - Pov BUSI	B4232469
2.8	30.67	0	30.67	4/7/2025	ND1	Origin - Pov BUSI	B0125423
2.34	25.7	0	25.7	4/7/2025	NDTOU	Origin - Pov BUSI	A2585444
13.41	147.48	0	147.48	4/7/2025	NDTOU	Origin - Pov BUSI	DZ157765
12.32	135.41	0	135.41	4/7/2025	NDTOU	Origin - Pov BUSI	B2137963
18.19	200.06	0	200.06	4/7/2025	NDTOU	Origin - Pov BUSI	DZ161871
2.56	28.05	0	28.05	4/7/2025	NDTOU	Origin - Pov BUSI	CZ245031
5.66	62.23	0	62.23	4/7/2025	NDTOU	Origin - Pov BUSI	DZ124190
100.56	1106.17	0	1106.17	4/7/2025	NDTOU	Origin - Pov BUSI	DZ124134
24.62	270.74	0	270.74	4/7/2025	NDTOU	Origin - Pov BUSI	DZ131420
2.67	29.33	0	29.33	4/7/2025	NDTOU	Origin - Pov BUSI	CZ238801
3.11	34.13	0	34.13	4/7/2025	NDTOU	Origin - Pov BUSI	DZ151512
17	186.87	0	186.87	4/7/2025	NDTOU	Origin - Pov BUSI	DZ151591
37.36	410.88	0	410.88	4/7/2025	NDTOU	Origin - Pov BUSI	DZ151576
11.58	127.38	0	127.38	4/7/2025	ND1	Origin - Pov BUSI	B2265932
3.15	34.61	0	34.61	4/7/2025	ND1	Origin - Pov BUSI	CZ296202
3.13	34.3	0	34.3	4/7/2025	ND1	Origin - Pov BUSI	A9259962
3.14	34.42	0	34.42	4/7/2025	ND1	Origin - Pov BUSI	A8362578
3.82	42.05	0	42.05	4/7/2025	ND1	Origin - Pov BUSI	A5941494
3.39	37.32	0	37.32	4/7/2025	ND1	Origin - Pov BUSI	CZ268238
5.32	58.48	0	58.48	4/7/2025	ND1	Origin - Pov BUSI	CZ101995
21.71	238.79	0	238.79	4/7/2025	ND1	Origin - Pov BUSI	DZ149477

2.44	26.82	0	26.82	4/7/2025	ND1	Origin - Pov BUSI	B8252625
2.54	27.93	0	27.93	4/7/2025	ND1	Origin - Pov BUSI	A1372924
3.27	35.9	0	35.9	4/7/2025	ND1	Origin - Pov BUSI	B2235478
29.13	320.44	0	320.44	4/7/2025	ND1	Origin - Pov BUSI	B8237832
2.69	29.57	0	29.57	4/7/2025	ND1	Origin - Pov BUSI	B6255875
19.84	218.18	0	218.18	4/7/2025	ND1	Origin - Pov BUSI	DZ168872
25.65	282.09	0	282.09	4/7/2025	D1	Origin - Pov RESI	B9168508
2.35	25.77	0	25.77	4/7/2025	ND1	Origin - Pov BUSI	B7249505
3.03	33.29	0	33.29	4/7/2025	ND1	Origin - Pov BUSI	B5249667
34.85	383.23	0	383.23	4/7/2025	ND1	Origin - Pov BUSI	B7249666
2.34	25.71	0	25.71	4/7/2025	ND1	Origin - Pov BUSI	B7249444
15.51	170.53	0	170.53	4/7/2025	ND1	Origin - Pov BUSI	B2147547
11.12	122.28	0	122.28	4/7/2025	ND1	Origin - Pov BUSI	B6178693
7.86	86.36	0	86.36	4/7/2025	NDTOU	Origin - Pov BUSI	A5985238
2.44	26.85	0	26.85	4/7/2025	NDTOU	Origin - Pov BUSI	A1754287
2.34	25.7	0	25.7	4/7/2025	NDTOU	Origin - Pov BUSI	A5436976
6.69	73.49	55.19	128.68	2/12/2025	NDTOU	Origin - Pov BUSI	A5533977
42.08	462.79	0	462.79	2/12/2025	NDTOU	Origin - Pov BUSI	DZ167709
73.19	805.02	729.04	1534.06	2/12/2025	NDTOU	Origin - Pov BUSI	DZ152963
176.52	1941.7	1475.81	3417.51	2/12/2025	NDM	Origin - Pov BUSI	B9180043
100.96	1110.51	1005.34	2115.85	2/12/2025	NDTOU	Origin - Pov BUSI	B8283056
2.59	28.45	28.45	56.9	2/12/2025	NDTOU	Origin - Pov BUSI	CZ235631
5.78	63.46	61.73	125.19	2/12/2025	NDTOU	Origin - Pov BUSI	B6267595
6.93	76.21	99.43	175.64	2/12/2025	NDTOU	Origin - Pov BUSI	DZ138041
3.43	37.63	37.71	75.34	2/12/2025	ND1	Origin - Pov BUSI	A4363829
19.76	217.34	105.64	322.98	2/12/2025	NDTOU	Origin - Pov BUSI	A5850611
3.35	36.83	39.62	76.45	2/12/2025	NDTOU	Origin - Pov BUSI	A8850544
7.24	79.54	83.04	162.58	2/12/2025	NDTOU	Origin - Pov BUSI	A0840728
5.29	58.08	56.92	115	2/12/2025	NDTOU	Origin - Pov BUSI	A7851808
206.41	2270.36	3433.56	5703.92	2/12/2025	NDTOU	Origin - Pov BUSI	B7242452
123.17	1354.8	1359.15	2713.95	2/12/2025	NDTOU	Origin - Pov BUSI	B5125232
325.04	3575.35	4030.06	7605.41	2/12/2025	NDTOU	Origin - Pov BUSI	B0252600
903.38	9937.22	11846.6	21783.82	2/12/2025	NDM	Origin - Pov BUSI	B7252678
17.41	191.48	239.21	430.69	2/12/2025	NDTOU	Origin - Pov BUSI	B9125490
9.39	103.26	102.95	206.21	2/12/2025	ND1	Origin - Pov BUSI	B5102900
9.88	108.67	121.12	229.79	2/12/2025	ND1	Origin - Pov BUSI	CZ189774
74.54	819.83	632.23	1452.06	2/12/2025	NDTOU	Origin - Pov BUSI	DZ117908
13.69	150.6	202.88	353.48	2/12/2025	NDTOU	Origin - Pov BUSI	B7125236
38.26	420.87	0	420.87	2/12/2025	NDTOU	Origin - Pov BUSI	B0260285
8.23	90.46	95.5	185.96	2/12/2025	D1	Origin - Pov RESI	A7777257
21.44	235.74	231.95	467.69	2/12/2025	D1	Origin - Pov RESI	A5777258
4.71	51.81	62.44	114.25	2/12/2025	NDTOU	Origin - Pov BUSI	A3424832
11.45	125.88	122.44	248.32	2/12/2025	NDTOU	Origin - Pov BUSI	A2790251
32.47	357.1	188.28	545.38	2/12/2025	NDTOU	Origin - Pov BUSI	DZ159519
26.02	286.11	219.4	505.51	2/12/2025	NDTOU	Origin - Pov BUSI	DZ142019
7.4	81.36	80.59	161.95	2/12/2025	ND1	Origin - Pov BUSI	DZ141983
7.3	80.3	105.58	185.88	2/12/2025	NDTOU	Origin - Pov BUSI	B2199985

2.79	30.62	28.47	59.09	2/12/2025	ND1	Origin - Pov BUSI	B2131348
25.1	276.04	151.71	427.75	2/12/2025	ND1	Origin - Pov BUSI	B1155076
5.38	59.12	64.35	123.47	2/12/2025	ND1	Origin - Pov BUSI	B7142264
44.11	485.13	658.12	1143.25	2/12/2025	ND1	Origin - Pov BUSI	DZ136889
15.39	169.24	253.86	423.1	2/12/2025	NDTOU	Origin - Pov BUSI	DZ157769
8.53	93.77	91.81	185.58	2/12/2025	ND1	Origin - Pov BUSI	DZ138130
2.59	28.45	28.45	56.9	2/12/2025	ND1	Origin - Pov BUSI	B3125493
7.44	81.74	82.73	164.47	2/12/2025	NDTOU	Origin - Pov BUSI	B6265930
93.41	1027.42	1378.2	2405.62	2/12/2025	NDTOU	Origin - Pov BUSI	B8265330
31	340.96	360.11	701.07	2/12/2025	NDTOU	Origin - Pov BUSI	DZ167705
2.59	28.45	28.45	56.9	2/12/2025	ND1	Origin - Pov BUSI	A8399463
4.57	50.14	60.46	110.6	2/12/2025	ND1	Origin - Pov BUSI	DZ132519
14.27	156.88	149.03	305.91	2/12/2025	NDTOU	Origin - Pov BUSI	B5222191
10.4	114.43	119.4	233.83	2/12/2025	NDTOU	Origin - Pov BUSI	CZ235630
2.26	24.83	24.85	49.68	2/12/2025	D1	Origin - Pov RESI	A3364089
8.1	89	65.81	154.81	2/12/2025	NDTOU	Origin - Pov BUSI	DZ151727
3.11	34.23	34.69	68.92	2/12/2025	NDTOU	Origin - Pov BUSI	A5441227
6.77	74.41	77.33	151.74	2/12/2025	ND1	Origin - Pov BUSI	DZ164450
8.29	91.04	61.95	152.99	2/12/2025	D1	Origin - Pov RESI	A6398931
3.34	36.65	37.03	73.68	2/12/2025	ND1	Origin - Pov BUSI	A4795922
43.41	477.34	470.91	948.25	2/12/2025	NDTOU	Origin - Pov BUSI	B9222076
7.3	80.29	83.87	164.16	2/12/2025	NDTOU	Origin - Pov BUSI	DZ155935
2.97	32.65	34.67	67.32	2/12/2025	NDTOU	Origin - Pov BUSI	DZ133799
24.85	273.31	251.05	524.36	2/12/2025	NDTOU	Origin - Pov BUSI	DZ113935
3.05	33.47	34.6	68.07	2/12/2025	ND1	Origin - Pov BUSI	A1375272
10.19	112.13	121.28	233.41	2/12/2025	PFIT	Origin - Pov BUSI	DZ122918
121.73	1339.02	1145.88	2484.9	2/12/2025	NDTOU	Origin - Pov BUSI	B8102951
102.07	1122.71	1075.96	2198.67	2/12/2025	NDTOU	Origin - Pov BUSI	DZ131340
4.2	46.08	54.08	100.16	2/12/2025	NDTOU	Origin - Pov BUSI	CZ245532
3.13	34.37	30.41	64.78	2/12/2025	ND1	Origin - Pov BUSI	A5818036
9.86	108.38	111.58	219.96	2/12/2025	NDTOU	Origin - Pov BUSI	A9850539
2.59	28.45	28.45	56.9	2/12/2025	NDTOU	Origin - Pov BUSI	B2139542
6.17	67.81	72.99	140.8	2/12/2025	NDTOU	Origin - Pov BUSI	B4232469
4.97	54.64	47.03	101.67	2/12/2025	ND1	Origin - Pov BUSI	B0125423
2.59	28.45	28.45	56.9	2/12/2025	NDTOU	Origin - Pov BUSI	A2585444
13.26	145.85	149.14	294.99	2/12/2025	NDTOU	Origin - Pov BUSI	DZ157765
13.2	145.14	147.81	292.95	2/12/2025	NDTOU	Origin - Pov BUSI	B2137963
18.18	199.94	210.1	410.04	2/12/2025	NDTOU	Origin - Pov BUSI	DZ161871
2.78	30.44	30.27	60.71	2/12/2025	NDTOU	Origin - Pov BUSI	CZ245031
7.05	77.45	83.12	160.57	2/12/2025	NDTOU	Origin - Pov BUSI	DZ124190
128.52	1413.71	1366.75	2780.46	2/12/2025	NDTOU	Origin - Pov BUSI	DZ124134
34.95	384.39	285.97	670.36	2/12/2025	NDTOU	Origin - Pov BUSI	DZ131420
3	32.99	37.39	70.38	2/12/2025	NDTOU	Origin - Pov BUSI	CZ238801
5.93	65.22	66.28	131.5	2/12/2025	NDTOU	Origin - Pov BUSI	DZ151512
18.93	208.17	171.95	380.12	2/12/2025	NDTOU	Origin - Pov BUSI	DZ151591
42.16	463.75	483.61	947.36	2/12/2025	NDTOU	Origin - Pov BUSI	DZ151576
12.98	142.71	149.2	291.91	2/12/2025	ND1	Origin - Pov BUSI	B2265932

3.38	37.08	36.19	73.27	2/12/2025	ND1	Origin - Pov BUSI	CZ296202
3.42	37.6	37.96	75.56	2/12/2025	ND1	Origin - Pov BUSI	A9259962
3.39	37.17	37.19	74.36	2/12/2025	ND1	Origin - Pov BUSI	A8362578
4.25	46.67	47.99	94.66	2/12/2025	ND1	Origin - Pov BUSI	A5941494
3.66	40.21	40.32	80.53	2/12/2025	ND1	Origin - Pov BUSI	CZ268238
5.91	64.98	67.7	132.68	2/12/2025	ND1	Origin - Pov BUSI	CZ101995
17.65	194.04	130.81	324.85	2/12/2025	ND1	Origin - Pov BUSI	DZ149477
4.7	51.66	63.99	115.65	2/12/2025	ND1	Origin - Pov BUSI	B8252625
2.8	30.74	30.92	61.66	2/12/2025	ND1	Origin - Pov BUSI	A1372924
146.61	1612.71	1847.39	3460.1	2/12/2025	ND1	Origin - Pov BUSI	B2235478
29.6	325.55	352.26	677.81	2/12/2025	ND1	Origin - Pov BUSI	B8237832
3.43	37.64	33.18	70.82	2/12/2025	ND1	Origin - Pov BUSI	B6255875
20.41	224.51	236.82	461.33	2/12/2025	ND1	Origin - Pov BUSI	DZ168872
41.3	454.15	426.22	880.37	2/12/2025	D1	Origin - Pov RESI	B9168508
2.59	28.49	28.52	57.01	2/12/2025	ND1	Origin - Pov BUSI	B7249505
2.59	28.45	28.45	56.9	2/12/2025	ND1	Origin - Pov BUSI	B5249667
35.15	386.59	385.3	771.89	2/12/2025	ND1	Origin - Pov BUSI	B7249666
2.59	28.45	28.45	56.9	2/12/2025	ND1	Origin - Pov BUSI	B7249444
15.76	173.36	173.72	347.08	2/12/2025	ND1	Origin - Pov BUSI	B2147547
11.38	125.09	125.43	250.52	2/12/2025	ND1	Origin - Pov BUSI	B6178693
8.02	88.26	89.82	178.08	2/12/2025	NDTOU	Origin - Pov BUSI	A5985238
2.69	29.6	29.71	59.31	2/12/2025	NDTOU	Origin - Pov BUSI	A1754287
2.59	28.45	28.45	56.9	2/12/2025	NDTOU	Origin - Pov BUSI	A5436976
17.35	190.8	0	190.8	1/30/2025	DD1	Origin - Pov RESI	A3357215
7.68	84.45	0	84.45	1/13/2025	ND1	Origin - Pov BUSI	6271488
5.02	55.19	136.55	191.74	1/10/2025	NDTOU	Origin - Pov BUSI	A5533977
36.18	397.89	932.36	1330.25	1/10/2025	NDTOU	Origin - Pov BUSI	DZ167709
66.28	729.04	1410.61	2139.65	1/10/2025	NDTOU	Origin - Pov BUSI	DZ152963
134.17	1475.81	3036.13	4511.94	1/10/2025	NDM	Origin - Pov BUSI	B9180043
91.4	1005.34	2018.44	3023.78	1/10/2025	NDTOU	Origin - Pov BUSI	B8283056
2.59	28.45	55.98	84.43	1/10/2025	NDTOU	Origin - Pov BUSI	CZ235631
5.62	61.73	187.22	248.95	1/10/2025	NDTOU	Origin - Pov BUSI	B6267595
9.05	99.43	118.83	218.26	1/10/2025	NDTOU	Origin - Pov BUSI	DZ138041
3.44	37.71	77.83	115.54	1/10/2025	ND1	Origin - Pov BUSI	A4363829
9.61	105.64	101.24	206.88	1/10/2025	NDTOU	Origin - Pov BUSI	A5850611
3.43	37.72	36.12	73.84	1/10/2025	NDTOU	Origin - Pov BUSI	A8850544
7.55	83.04	187.84	270.88	1/10/2025	NDTOU	Origin - Pov BUSI	A0840728
5.18	56.92	128.39	185.31	1/10/2025	NDTOU	Origin - Pov BUSI	A7851808
312.15	3433.56	3004.65	6438.21	1/10/2025	NDTOU	Origin - Pov BUSI	B7242452
123.56	1359.15	203.86	1563.01	1/10/2025	NDTOU	Origin - Pov BUSI	B5125232
366.37	4030.06	353.78	4383.84	1/10/2025	NDTOU	Origin - Pov BUSI	B0252600
1076.98	11846.6	1192.52	13039.12	1/10/2025	NDM	Origin - Pov BUSI	B7252678
19.35	212.8	596.97	809.77	1/10/2025	NDTOU	Origin - Pov BUSI	B9125490
9.37	102.95	284.39	387.34	1/10/2025	ND1	Origin - Pov BUSI	B5102900
7.36	80.87	367.59	448.46	1/10/2025	ND1	Origin - Pov BUSI	CZ189774
88.28	971.14	1050.67	2021.81	1/10/2025	NDTOU	Origin - Pov BUSI	DZ117908
18.45	202.88	105.37	308.25	1/10/2025	NDTOU	Origin - Pov BUSI	B7125236

40.07	440.63	883.04	1323.67	1/10/2025	NDTOU	Origin - Pov BUSI	B0260285
8.69	95.5	187.43	282.93	1/10/2025	D1	Origin - Pov RESI	A7777257
21.1	231.95	400.9	632.85	1/10/2025	D1	Origin - Pov RESI	A5777258
5.68	62.44	56.07	118.51	1/10/2025	NDTOU	Origin - Pov BUSI	A3424832
11.13	122.44	142.66	265.1	1/10/2025	NDTOU	Origin - Pov BUSI	A2790251
17.12	188.28	213.96	402.24	1/10/2025	NDTOU	Origin - Pov BUSI	DZ159519
19.71	216.73	845.04	1061.77	1/10/2025	NDTOU	Origin - Pov BUSI	DZ142019
7.33	80.59	78.18	158.77	1/10/2025	ND1	Origin - Pov BUSI	DZ141983
8.43	92.72	422.94	515.66	1/10/2025	NDTOU	Origin - Pov BUSI	B2199985
2.59	28.47	27.62	56.09	1/10/2025	ND1	Origin - Pov BUSI	B2131348
13.8	151.71	332.07	483.78	1/10/2025	ND1	Origin - Pov BUSI	B1155076
4.7	51.7	80.23	131.93	1/10/2025	ND1	Origin - Pov BUSI	B7142264
59.83	658.12	1080.39	1738.51	1/10/2025	ND1	Origin - Pov BUSI	DZ136889
23.08	253.86	471.62	725.48	1/10/2025	NDTOU	Origin - Pov BUSI	DZ157769
8.35	91.81	206.32	298.13	1/10/2025	ND1	Origin - Pov BUSI	DZ138130
2.59	28.45	55.98	84.43	1/10/2025	ND1	Origin - Pov BUSI	B3125493
7.53	82.73	116.54	199.27	1/10/2025	NDTOU	Origin - Pov BUSI	B6265930
113.66	1250.23	1923.51	3173.74	1/10/2025	NDTOU	Origin - Pov BUSI	B8265330
32.74	360.11	490.49	850.6	1/10/2025	NDTOU	Origin - Pov BUSI	DZ167705
2.59	28.45	82.36	110.81	1/10/2025	ND1	Origin - Pov BUSI	A8399463
4.94	54.3	143.43	197.73	1/10/2025	ND1	Origin - Pov BUSI	DZ132519
13.16	144.74	341.51	486.25	1/10/2025	NDTOU	Origin - Pov BUSI	B5222191
10.85	119.4	254.73	374.13	1/10/2025	NDTOU	Origin - Pov BUSI	CZ235630
2.26	24.85	47.15	72	1/10/2025	D1	Origin - Pov RESI	A3364089
5.99	65.81	147.35	213.16	1/10/2025	NDTOU	Origin - Pov BUSI	DZ151727
3.16	34.69	104.92	139.61	1/10/2025	NDTOU	Origin - Pov BUSI	A5441227
7.03	77.33	171.91	249.24	1/10/2025	ND1	Origin - Pov BUSI	DZ164450
5.63	61.95	140.41	202.36	1/10/2025	D1	Origin - Pov RESI	A6398931
3.37	37.03	73.39	110.42	1/10/2025	ND1	Origin - Pov BUSI	A4795922
42.82	470.91	802.06	1272.97	1/10/2025	NDTOU	Origin - Pov BUSI	B9222076
7.63	83.87	169.25	253.12	1/10/2025	NDTOU	Origin - Pov BUSI	DZ155935
3.16	34.67	64.69	99.36	1/10/2025	NDTOU	Origin - Pov BUSI	DZ133799
22.05	242.44	515.21	757.65	1/10/2025	NDTOU	Origin - Pov BUSI	DZ113935
3.15	34.6	77.76	112.36	1/10/2025	ND1	Origin - Pov BUSI	A1375272
10.73	117.98	256.98	374.96	1/10/2025	PFIT	Origin - Pov BUSI	DZ122918
104.18	1145.88	769.92	1915.8	1/10/2025	NDTOU	Origin - Pov BUSI	B8102951
97.82	1075.96	2265.04	3341	1/10/2025	NDTOU	Origin - Pov BUSI	DZ131340
4.37	47.9	75.63	123.53	1/10/2025	NDTOU	Origin - Pov BUSI	CZ245532
2.77	30.41	57.25	87.66	1/10/2025	ND1	Origin - Pov BUSI	A5818036
10.14	111.58	161.84	273.42	1/10/2025	NDTOU	Origin - Pov BUSI	A9850539
2.59	28.45	56.05	84.5	1/10/2025	NDTOU	Origin - Pov BUSI	B2139542
6.64	72.99	104.47	177.46	1/10/2025	NDTOU	Origin - Pov BUSI	B4232469
4.28	47.03	55.98	103.01	1/10/2025	ND1	Origin - Pov BUSI	B0125423
2.59	28.45	55.99	84.44	1/10/2025	NDTOU	Origin - Pov BUSI	A2585444
13.57	149.14	317.63	466.77	1/10/2025	NDTOU	Origin - Pov BUSI	DZ157765
13.44	147.81	274.96	422.77	1/10/2025	NDTOU	Origin - Pov BUSI	B2137963
19.11	210.1	483.27	693.37	1/10/2025	NDTOU	Origin - Pov BUSI	DZ161871

2.76	30.27	60.29	90.56	1/10/2025	NDTOU	Origin - Pov BUSI	CZ245031
7.56	83.12	107.82	190.94	1/10/2025	NDTOU	Origin - Pov BUSI	DZ124190
124.25	1366.75	1812.99	3179.74	1/10/2025	NDTOU	Origin - Pov BUSI	DZ124134
26	285.97	274.64	560.61	1/10/2025	NDTOU	Origin - Pov BUSI	DZ131420
3.4	37.39	34.16	71.55	1/10/2025	NDTOU	Origin - Pov BUSI	CZ238801
6.03	66.28	86.61	152.89	1/10/2025	NDTOU	Origin - Pov BUSI	DZ151512
15.64	171.95	421.23	593.18	1/10/2025	NDTOU	Origin - Pov BUSI	DZ151591
43.97	483.61	797.1	1280.71	1/10/2025	NDTOU	Origin - Pov BUSI	DZ151576
13.57	149.2	225.09	374.29	1/10/2025	ND1	Origin - Pov BUSI	B2265932
3.29	36.19	40.97	77.16	1/10/2025	ND1	Origin - Pov BUSI	CZ296202
3.46	37.96	77.13	115.09	1/10/2025	ND1	Origin - Pov BUSI	A9259962
3.39	37.19	36.72	73.91	1/10/2025	ND1	Origin - Pov BUSI	A8362578
4.37	47.99	98.02	146.01	1/10/2025	ND1	Origin - Pov BUSI	A5941494
3.67	40.32	83.82	124.14	1/10/2025	ND1	Origin - Pov BUSI	CZ268238
6.16	67.7	79.52	147.22	1/10/2025	ND1	Origin - Pov BUSI	CZ101995
11.9	130.81	249.4	380.21	1/10/2025	ND1	Origin - Pov BUSI	DZ149477
5.82	63.99	94.39	158.38	1/10/2025	ND1	Origin - Pov BUSI	B8252625
2.82	30.92	30.65	61.57	1/10/2025	ND1	Origin - Pov BUSI	A1372924
167.95	1847.39	120.86	1968.25	1/10/2025	ND1	Origin - Pov BUSI	B2235478
32.03	352.26	655.59	1007.85	1/10/2025	ND1	Origin - Pov BUSI	B8237832
3.02	33.18	57.09	90.27	1/10/2025	ND1	Origin - Pov BUSI	B6255875
21.53	236.82	482.82	719.64	1/10/2025	ND1	Origin - Pov BUSI	DZ168872
38.75	426.22	543.86	970.08	1/10/2025	D1	Origin - Pov RESI	B9168508
2.6	28.52	56.21	84.73	1/10/2025	ND1	Origin - Pov BUSI	B7249505
2.59	28.45	56.07	84.52	1/10/2025	ND1	Origin - Pov BUSI	B5249667
35.03	385.3	850.8	1236.1	1/10/2025	ND1	Origin - Pov BUSI	B7249666
2.59	28.45	56.02	84.47	1/10/2025	ND1	Origin - Pov BUSI	B7249444
15.8	173.72	351.71	525.43	1/10/2025	ND1	Origin - Pov BUSI	B2147547
11.41	125.43	286.37	411.8	1/10/2025	ND1	Origin - Pov BUSI	B6178693
8.17	89.82	124.94	214.76	1/10/2025	NDTOU	Origin - Pov BUSI	A5985238
2.7	29.71	59.58	89.29	1/10/2025	NDTOU	Origin - Pov BUSI	A1754287
2.59	28.45	55.98	84.43	1/10/2025	NDTOU	Origin - Pov BUSI	A5436976
8.01	95.54	0	95.54	12/18/2024	D1	Origin - Pov RESI	A1364103
5.79	63.73	137.6	201.33	12/10/2024	NDTOU	Origin - Pov BUSI	A5533977
40.42	444.65	1256.27	1700.92	12/10/2024	NDTOU	Origin - Pov BUSI	DZ167709
68.02	748.18	1337.1	2085.28	12/10/2024	NDTOU	Origin - Pov BUSI	DZ152963
135.29	1488.23	3113.34	4601.57	12/10/2024	NDM	Origin - Pov BUSI	B9180043
71.81	789.84	1909.64	2699.48	12/10/2024	NDTOU	Origin - Pov BUSI	B8283056
2.5	27.53	55.98	83.51	12/10/2024	NDTOU	Origin - Pov BUSI	CZ235631
11.24	123.61	142.16	265.77	12/10/2024	NDTOU	Origin - Pov BUSI	B6267595
5.42	59.7	103.5	163.2	12/10/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.37	37.1	79.6	116.7	12/10/2024	ND1	Origin - Pov BUSI	A4363829
6.48	71.25	105.92	177.17	12/10/2024	NDTOU	Origin - Pov BUSI	A5850611
3.31	36.42	42.38	78.8	12/10/2024	NDTOU	Origin - Pov BUSI	A8850544
7.51	82.63	200.52	283.15	12/10/2024	NDTOU	Origin - Pov BUSI	A0840728
5.34	58.81	133.45	192.26	12/10/2024	NDTOU	Origin - Pov BUSI	A7851808
160.64	1767.07	3249.12	5016.19	12/10/2024	NDTOU	Origin - Pov BUSI	B7242452

17.13	188.46	175.23	363.69	12/10/2024	NDTOU	Origin - Pov BUSI	B5125232
5.51	60.58	379.53	440.11	12/10/2024	NDTOU	Origin - Pov BUSI	B0252600
69.21	761.39	1818.52	2579.91	12/10/2024	NDM	Origin - Pov BUSI	B7252678
26.26	288.94	830.94	1119.88	12/10/2024	NDTOU	Origin - Pov BUSI	B9125490
10.9	119.94	300.31	420.25	12/10/2024	ND1	Origin - Pov BUSI	B5102900
10.31	113.41	375.1	488.51	12/10/2024	ND1	Origin - Pov BUSI	CZ189774
76.07	836.83	426.37	1263.2	12/10/2024	NDTOU	Origin - Pov BUSI	DZ117908
7.84	86.32	125.24	211.56	12/10/2024	NDTOU	Origin - Pov BUSI	B7125236
38	418.06	885.45	1303.51	12/10/2024	NDTOU	Origin - Pov BUSI	B0260285
8.07	88.77	226.78	315.55	12/10/2024	D1	Origin - Pov RESI	A7777257
18.51	203.66	417.8	621.46	12/10/2024	D1	Origin - Pov RESI	A5777258
2.5	27.53	56.07	83.6	12/10/2024	NDTOU	Origin - Pov BUSI	A3424832
12.01	132.12	171.39	303.51	12/10/2024	NDTOU	Origin - Pov BUSI	A2790251
11.24	123.69	118.93	242.62	12/10/2024	NDTOU	Origin - Pov BUSI	DZ159519
22.67	249.35	887.14	1136.49	12/10/2024	NDTOU	Origin - Pov BUSI	DZ142019
6.44	70.86	79.2	150.06	12/10/2024	ND1	Origin - Pov BUSI	DZ141983
14.34	157.77	433.66	591.43	12/10/2024	NDTOU	Origin - Pov BUSI	B2199985
2.51	27.62	28.55	56.17	12/10/2024	ND1	Origin - Pov BUSI	B2131348
18.3	201.3	167.25	368.55	12/10/2024	ND1	Origin - Pov BUSI	B1155076
6.88	75.72	103.75	179.47	12/10/2024	ND1	Origin - Pov BUSI	B7142264
52.99	582.89	552.86	1135.75	12/10/2024	ND1	Origin - Pov BUSI	DZ136889
19.74	217.21	534.3	751.51	12/10/2024	NDTOU	Origin - Pov BUSI	DZ157769
9.69	106.64	226.41	333.05	12/10/2024	ND1	Origin - Pov BUSI	DZ138130
2.5	27.53	55.98	83.51	12/10/2024	ND1	Origin - Pov BUSI	B3125493
7.6	83.61	130.22	213.83	12/10/2024	NDTOU	Origin - Pov BUSI	B6265930
67.62	743.88	2010.13	2754.01	12/10/2024	NDTOU	Origin - Pov BUSI	B8265330
29.35	322.79	214.4	537.19	12/10/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.5	27.53	82.36	109.89	12/10/2024	ND1	Origin - Pov BUSI	A8399463
4.94	54.35	159.71	214.06	12/10/2024	ND1	Origin - Pov BUSI	DZ132519
24.03	264.37	320.69	585.06	12/10/2024	NDTOU	Origin - Pov BUSI	B5222191
10.7	117.73	253.57	371.3	12/10/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.11	23.23	50.26	73.49	12/10/2024	D1	Origin - Pov RESI	A3364089
9.37	103.05	96.31	199.36	12/10/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.07	33.88	107.21	141.09	12/10/2024	NDTOU	Origin - Pov BUSI	A5441227
6.89	75.78	219.3	295.08	12/10/2024	ND1	Origin - Pov BUSI	DZ164450
6.49	71.39	119.74	191.13	12/10/2024	D1	Origin - Pov RESI	A6398931
3.23	35.62	73.55	109.17	12/10/2024	ND1	Origin - Pov BUSI	A4795922
39.01	429.09	754.7	1183.79	12/10/2024	NDTOU	Origin - Pov BUSI	B9222076
7.37	81.07	183.21	264.28	12/10/2024	NDTOU	Origin - Pov BUSI	DZ155935
2.81	30.88	67.09	97.97	12/10/2024	NDTOU	Origin - Pov BUSI	DZ133799
21.09	232.05	617.4	849.45	12/10/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.27	36.03	77.51	113.54	12/10/2024	ND1	Origin - Pov BUSI	A1375272
13.84	152.29	244.48	396.77	12/10/2024	PFIT	Origin - Pov BUSI	DZ122918
37.78	415.59	689.53	1105.12	12/10/2024	NDTOU	Origin - Pov BUSI	B8102951
99.4	1093.5	2568.83	3662.33	12/10/2024	NDTOU	Origin - Pov BUSI	DZ131340
4.41	48.52	81.18	129.7	12/10/2024	NDTOU	Origin - Pov BUSI	CZ245532
2.5	27.53	57.25	84.78	12/10/2024	ND1	Origin - Pov BUSI	A5818036

10.2	112.18	187.47	299.65	12/10/2024	NDTOU	Origin - Pov BUSI	A9850539
2.5	27.53	56.07	83.6	12/10/2024	NDTOU	Origin - Pov BUSI	B2139542
3.73	41.1	121.2	162.3	12/10/2024	NDTOU	Origin - Pov BUSI	B4232469
2.5	27.53	55.98	83.51	12/10/2024	ND1	Origin - Pov BUSI	B0125423
2.5	27.53	55.99	83.52	12/10/2024	NDTOU	Origin - Pov BUSI	A2585444
13.49	148.33	327.28	475.61	12/10/2024	NDTOU	Origin - Pov BUSI	DZ157765
12.1	133.01	169.48	302.49	12/10/2024	NDTOU	Origin - Pov BUSI	B2137963
19.47	214.15	548.12	762.27	12/10/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.66	29.32	60.68	90	12/10/2024	NDTOU	Origin - Pov BUSI	CZ245031
9.67	106.44	71.94	178.38	12/10/2024	NDTOU	Origin - Pov BUSI	DZ124190
101.63	1117.9	1593.72	2711.62	12/10/2024	NDTOU	Origin - Pov BUSI	DZ124134
8.72	95.94	209.01	304.95	12/10/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.84	31.29	34.16	65.45	12/10/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.66	40.25	85.68	125.93	12/10/2024	NDTOU	Origin - Pov BUSI	DZ151512
18.84	207.16	428.16	635.32	12/10/2024	NDTOU	Origin - Pov BUSI	DZ151591
44.64	491.09	898.35	1389.44	12/10/2024	NDTOU	Origin - Pov BUSI	DZ151576
14.94	164.27	231.65	395.92	12/10/2024	ND1	Origin - Pov BUSI	B2265932
3.22	35.43	42.99	78.42	12/10/2024	ND1	Origin - Pov BUSI	CZ296202
3.36	36.93	77.99	114.92	12/10/2024	ND1	Origin - Pov BUSI	A9259962
3.32	36.45	38.81	75.26	12/10/2024	ND1	Origin - Pov BUSI	A8362578
4.2	46.24	98.65	144.89	12/10/2024	ND1	Origin - Pov BUSI	A5941494
3.58	39.47	86.3	125.77	12/10/2024	ND1	Origin - Pov BUSI	CZ268238
5.95	65.42	78.7	144.12	12/10/2024	ND1	Origin - Pov BUSI	CZ101995
10.55	116.02	246.03	362.05	12/10/2024	ND1	Origin - Pov BUSI	DZ149477
3.78	41.59	91.48	133.07	12/10/2024	ND1	Origin - Pov BUSI	B8252625
2.76	30.35	31.64	61.99	12/10/2024	ND1	Origin - Pov BUSI	A1372924
3.26	35.95	133.47	169.42	12/10/2024	ND1	Origin - Pov BUSI	B2235478
29.4	323.4	687.36	1010.76	12/10/2024	ND1	Origin - Pov BUSI	B8237832
2.6	28.64	56.01	84.65	12/10/2024	ND1	Origin - Pov BUSI	B6255875
21.06	231.71	521.44	753.15	12/10/2024	ND1	Origin - Pov BUSI	DZ168872
25.35	278.87	397.44	676.31	12/10/2024	D1	Origin - Pov RESI	B9168508
2.5	27.57	56.25	83.82	12/10/2024	ND1	Origin - Pov BUSI	B7249505
2.51	27.62	56	83.62	12/10/2024	ND1	Origin - Pov BUSI	B5249667
34.17	375.84	922.09	1297.93	12/10/2024	ND1	Origin - Pov BUSI	B7249666
2.5	27.57	55.98	83.55	12/10/2024	ND1	Origin - Pov BUSI	B7249444
15.31	168.39	379.89	548.28	12/10/2024	ND1	Origin - Pov BUSI	B2147547
11.41	125.6	309.06	434.66	12/10/2024	ND1	Origin - Pov BUSI	B6178693
8.26	90.9	144.07	234.97	12/10/2024	NDTOU	Origin - Pov BUSI	A5985238
2.64	28.92	60.09	89.01	12/10/2024	NDTOU	Origin - Pov BUSI	A1754287
2.5	27.53	55.98	83.51	12/10/2024	NDTOU	Origin - Pov BUSI	A5436976
192.25	250.1	0	250.1	11/11/2024	NDTOU	Origin - Pov BUSI	
2222.11	2665.48	0	2665.48	11/11/2024	NDTOU	Origin - Pov BUSI	
1453.81	2056.01	0	2056.01	11/11/2024	NDTOU	Origin - Pov BUSI	
3290.38	4697.56	0	4697.56	11/11/2024	NDM	Origin - Pov BUSI	
100.32	1103.55	1739.88	2843.43	11/11/2024	NDTOU	Origin - Pov BUSI	
58.57	84.43	0	84.43	11/11/2024	NDTOU	Origin - Pov BUSI	
179.62	237.45	0	237.45	11/11/2024	NDTOU	Origin - Pov BUSI	

100.62	152.13	0	152.13	11/11/2024	NDTOU	Origin - Pov BUSI
85.71	121.02	0	121.02	11/11/2024	ND1	Origin - Pov BUSI
115.48	184.39	0	184.39	11/11/2024	NDTOU	Origin - Pov BUSI
50.66	84.71	0	84.71	11/11/2024	NDTOU	Origin - Pov BUSI
225.23	309.25	0	309.25	11/11/2024	NDTOU	Origin - Pov BUSI
144.15	201.51	0	201.51	11/11/2024	NDTOU	Origin - Pov BUSI
4800.7	5925.77	0	5925.77	11/11/2024	NDTOU	Origin - Pov BUSI
176.9	336.2	0	336.2	11/11/2024	NDTOU	Origin - Pov BUSI
275.36	470.04	0	470.04	11/11/2024	NDTOU	Origin - Pov BUSI
2480.08	3425.47	0	3425.47	11/11/2024	NDM	Origin - Pov BUSI
1229.28	1509.3	0	1509.3	11/11/2024	NDTOU	Origin - Pov BUSI
337.22	464.27	0	464.27	11/11/2024	ND1	Origin - Pov BUSI
456.65	547.98	0	547.98	11/11/2024	ND1	Origin - Pov BUSI
252.27	649.59	0	649.59	11/11/2024	NDTOU	Origin - Pov BUSI
137.77	218.2	0	218.2	11/11/2024	NDTOU	Origin - Pov BUSI
772.78	1198.46	0	1198.46	11/11/2024	NDTOU	Origin - Pov BUSI
281.61	363.33	0	363.33	11/11/2024	D1	Origin - Pov RESI
462.66	641.96	0	641.96	11/11/2024	D1	Origin - Pov RESI
58.66	84.52	0	84.52	11/11/2024	NDTOU	Origin - Pov BUSI
200.14	304.5	0	304.5	11/11/2024	NDTOU	Origin - Pov BUSI
39.47	147.59	0	147.59	11/11/2024	NDTOU	Origin - Pov BUSI
1132.63	1333.19	0	1333.19	11/11/2024	NDTOU	Origin - Pov BUSI
82.22	154.21	0	154.21	11/11/2024	ND1	Origin - Pov BUSI
560.75	691.93	0	691.93	11/11/2024	NDTOU	Origin - Pov BUSI
31.49	57.44	0	57.44	11/11/2024	ND1	Origin - Pov BUSI
143.96	216.48	0	216.48	11/11/2024	ND1	Origin - Pov BUSI
176.76	235.99	0	235.99	11/11/2024	ND1	Origin - Pov BUSI
168.74	588.2	0	588.2	11/11/2024	ND1	Origin - Pov BUSI
578.72	772.12	0	772.12	11/11/2024	NDTOU	Origin - Pov BUSI
292.3	382.91	0	382.91	11/11/2024	ND1	Origin - Pov BUSI
58.57	84.43	0	84.43	11/11/2024	ND1	Origin - Pov BUSI
154.61	237.42	0	237.42	11/11/2024	NDTOU	Origin - Pov BUSI
3252.76	3859.55	0	3859.55	11/11/2024	NDTOU	Origin - Pov BUSI
75.42	249.9	0	249.9	11/11/2024	NDTOU	Origin - Pov BUSI
84.95	110.81	0	110.81	11/11/2024	ND1	Origin - Pov BUSI
208.5	263.78	0	263.78	11/11/2024	ND1	Origin - Pov BUSI
457.73	684.89	0	684.89	11/11/2024	NDTOU	Origin - Pov BUSI
266.03	377.89	0	377.89	11/11/2024	NDTOU	Origin - Pov BUSI
55.74	77.48	0	77.48	11/11/2024	D1	Origin - Pov RESI
100.25	138.19	0	138.19	11/11/2024	NDTOU	Origin - Pov BUSI
111.72	143.96	0	143.96	11/11/2024	NDTOU	Origin - Pov BUSI
258.74	333.63	0	333.63	11/11/2024	ND1	Origin - Pov BUSI
110.98	159.68	0	159.68	11/11/2024	D1	Origin - Pov RESI
78.24	111.4	0	111.4	11/11/2024	ND1	Origin - Pov BUSI
849.54	1142.24	0	1142.24	11/11/2024	NDTOU	Origin - Pov BUSI
207.11	287.27	0	287.27	11/11/2024	NDTOU	Origin - Pov BUSI
70.73	100.98	0	100.98	11/11/2024	NDTOU	Origin - Pov BUSI

690.03	947.44	0	947.44	11/11/2024	NDTOU	Origin - Pov BUSI
81.38	116.97	0	116.97	11/11/2024	ND1	Origin - Pov BUSI
342.79	437.96	0	437.96	11/11/2024	PFIT	Origin - Pov BUSI
722.41	1044.53	0	1044.53	11/11/2024	NDTOU	Origin - Pov BUSI
2963.07	4028.1	0	4028.1	11/11/2024	NDTOU	Origin - Pov BUSI
97.87	144.14	0	144.14	11/11/2024	NDTOU	Origin - Pov BUSI
59.84	85.7	0	85.7	11/11/2024	ND1	Origin - Pov BUSI
235.17	345.86	0	345.86	11/11/2024	NDTOU	Origin - Pov BUSI
59.17	85.09	0	85.09	11/11/2024	NDTOU	Origin - Pov BUSI
119.28	173.89	0	173.89	11/11/2024	NDTOU	Origin - Pov BUSI
58.57	84.43	0	84.43	11/11/2024	ND1	Origin - Pov BUSI
58.58	84.44	0	84.44	11/11/2024	NDTOU	Origin - Pov BUSI
338.08	474.01	0	474.01	11/11/2024	NDTOU	Origin - Pov BUSI
44.12	197.93	0	197.93	11/11/2024	NDTOU	Origin - Pov BUSI
644.86	867.29	0	867.29	11/11/2024	NDTOU	Origin - Pov BUSI
64.11	91.85	0	91.85	11/11/2024	NDTOU	Origin - Pov BUSI
77.47	142.87	0	142.87	11/11/2024	NDTOU	Origin - Pov BUSI
1663.79	2565.23	0	2565.23	11/11/2024	NDTOU	Origin - Pov BUSI
95.17	255.14	0	255.14	11/11/2024	NDTOU	Origin - Pov BUSI
36.7	66.99	0	66.99	11/11/2024	NDTOU	Origin - Pov BUSI
85.66	126.58	0	126.58	11/11/2024	NDTOU	Origin - Pov BUSI
501.53	671.88	0	671.88	11/11/2024	NDTOU	Origin - Pov BUSI
1013.5	1490.72	0	1490.72	11/11/2024	NDTOU	Origin - Pov BUSI
321.24	452.89	0	452.89	11/11/2024	ND1	Origin - Pov BUSI
48.7	82.78	0	82.78	11/11/2024	ND1	Origin - Pov BUSI
82.52	117.54	0	117.54	11/11/2024	ND1	Origin - Pov BUSI
44.72	79.78	0	79.78	11/11/2024	ND1	Origin - Pov BUSI
103.97	146.86	0	146.86	11/11/2024	ND1	Origin - Pov BUSI
92.88	130.97	0	130.97	11/11/2024	ND1	Origin - Pov BUSI
83.93	145.04	0	145.04	11/11/2024	ND1	Origin - Pov BUSI
257.68	362.59	0	362.59	11/11/2024	ND1	Origin - Pov BUSI
76.49	123.65	0	123.65	11/11/2024	ND1	Origin - Pov BUSI
66.89	95.65	0	95.65	11/11/2024	ND1	Origin - Pov BUSI
99.32	133.47	0	133.47	11/11/2024	ND1	Origin - Pov BUSI
784.26	1086.24	0	1086.24	11/11/2024	ND1	Origin - Pov BUSI
58.6	84.46	0	84.46	11/11/2024	ND1	Origin - Pov BUSI
596.86	825.14	0	825.14	11/11/2024	ND1	Origin - Pov BUSI
282.57	491.05	0	491.05	11/11/2024	D1	Origin - Pov RESI
58.91	84.81	0	84.81	11/11/2024	ND1	Origin - Pov BUSI
58.59	84.45	0	84.45	11/11/2024	ND1	Origin - Pov BUSI
1053.84	1429.41	0	1429.41	11/11/2024	ND1	Origin - Pov BUSI
58.57	84.43	0	84.43	11/11/2024	ND1	Origin - Pov BUSI
434.06	600.71	0	600.71	11/11/2024	ND1	Origin - Pov BUSI
348.05	474.82	0	474.82	11/11/2024	ND1	Origin - Pov BUSI
174.72	266.43	0	266.43	11/11/2024	NDTOU	Origin - Pov BUSI
63.25	90.58	0	90.58	11/11/2024	NDTOU	Origin - Pov BUSI
58.57	84.43	0	84.43	11/11/2024	NDTOU	Origin - Pov BUSI

22.99	252.87	0	252.87	11/1/2024	DD1	Origin - Pov RESI	A3357215
5.89	64.78	202.92	267.7	10/10/2024	NDTOU	Origin - Pov BUSI	A5533977
69.86	768.56	3265.75	4034.31	10/10/2024	NDTOU	Origin - Pov BUSI	DZ167709
61.34	674.67	1606.1	2280.77	10/10/2024	NDTOU	Origin - Pov BUSI	DZ152963
142.32	1565.44	3103.61	4669.05	10/10/2024	NDM	Origin - Pov BUSI	B9180043
61.91	681.04	2145.82	2826.86	10/10/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.5	27.53	56.9	84.43	10/10/2024	NDTOU	Origin - Pov BUSI	CZ235631
7.14	78.55	218	296.55	10/10/2024	NDTOU	Origin - Pov BUSI	B6267595
4.03	44.37	89.45	133.82	10/10/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.53	38.87	85.56	124.43	10/10/2024	ND1	Origin - Pov BUSI	A4363829
6.9	75.93	113.36	189.29	10/10/2024	NDTOU	Origin - Pov BUSI	A5850611
3.88	42.74	49.68	92.42	10/10/2024	NDTOU	Origin - Pov BUSI	A8850544
8.66	95.31	232.92	328.23	10/10/2024	NDTOU	Origin - Pov BUSI	A0840728
5.8	63.87	142.14	206.01	10/10/2024	NDTOU	Origin - Pov BUSI	A7851808
182.87	2011.54	5563.8	7575.34	10/10/2024	NDTOU	Origin - Pov BUSI	B7242452
14.53	159.83	208.56	368.39	10/10/2024	NDTOU	Origin - Pov BUSI	B5125232
7.18	79.04	384.46	463.5	10/10/2024	NDTOU	Origin - Pov BUSI	B0252600
126.12	1387.39	3129.24	4516.63	10/10/2024	NDM	Origin - Pov BUSI	B7252678
47.53	522.91	1598.5	2121.41	10/10/2024	NDTOU	Origin - Pov BUSI	B9125490
12.35	135.86	409.17	545.03	10/10/2024	ND1	Origin - Pov BUSI	B5102900
10.88	119.7	485.27	604.97	10/10/2024	ND1	Origin - Pov BUSI	CZ189774
19.71	216.8	235.21	452.01	10/10/2024	NDTOU	Origin - Pov BUSI	DZ117908
9.66	106.19	92.96	199.15	10/10/2024	NDTOU	Origin - Pov BUSI	B7125236
38.22	420.47	595.56	1016.03	10/10/2024	NDTOU	Origin - Pov BUSI	B0260285
11.65	128.12	322.22	450.34	10/10/2024	D1	Origin - Pov RESI	A7777257
20.04	220.56	473.67	694.23	10/10/2024	D1	Origin - Pov RESI	A5777258
2.5	27.53	56.99	84.52	10/10/2024	NDTOU	Origin - Pov BUSI	A3424832
14.62	160.85	164.07	324.92	10/10/2024	NDTOU	Origin - Pov BUSI	A2790251
2.6	28.66	29.63	58.29	10/10/2024	NDTOU	Origin - Pov BUSI	DZ159519
26.51	291.63	1039.77	1331.4	10/10/2024	NDTOU	Origin - Pov BUSI	DZ142019
6.53	71.88	81.08	152.96	10/10/2024	ND1	Origin - Pov BUSI	DZ141983
15.32	168.49	680.8	849.29	10/10/2024	NDTOU	Origin - Pov BUSI	B2199985
2.62	28.89	40.36	69.25	10/10/2024	ND1	Origin - Pov BUSI	B2131348
3.32	36.48	187.53	224.01	10/10/2024	ND1	Origin - Pov BUSI	B1155076
9.22	101.43	247.19	348.62	10/10/2024	ND1	Origin - Pov BUSI	B7142264
5.03	55.36	209.5	264.86	10/10/2024	ND1	Origin - Pov BUSI	DZ136889
25.44	279.89	568.77	848.66	10/10/2024	NDTOU	Origin - Pov BUSI	DZ157769
11.52	126.73	362.05	488.78	10/10/2024	ND1	Origin - Pov BUSI	DZ138130
2.5	27.53	56.9	84.43	10/10/2024	ND1	Origin - Pov BUSI	B3125493
8.85	97.29	161.58	258.87	10/10/2024	NDTOU	Origin - Pov BUSI	B6265930
75.51	830.5	4840.51	5671.01	10/10/2024	NDTOU	Origin - Pov BUSI	B8265330
4.24	46.7	46.67	93.37	10/10/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.5	27.53	83.28	110.81	10/10/2024	ND1	Origin - Pov BUSI	A8399463
6.42	70.63	262.48	333.11	10/10/2024	ND1	Origin - Pov BUSI	DZ132519
22.18	244	614.35	858.35	10/10/2024	NDTOU	Origin - Pov BUSI	B5222191
10.59	116.57	257.79	374.36	10/10/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.39	26.34	53	79.34	10/10/2024	D1	Origin - Pov RESI	A3364089

4.73	52.01	120.53	172.54	10/10/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.24	35.57	110.75	146.32	10/10/2024	NDTOU	Origin - Pov BUSI	A5441227
11.2	123.17	254.11	377.28	10/10/2024	ND1	Origin - Pov BUSI	DZ164450
4.6	50.72	277.71	328.43	10/10/2024	D1	Origin - Pov RESI	A6398931
3.25	35.78	76.85	112.63	10/10/2024	ND1	Origin - Pov BUSI	A4795922
34.71	381.73	874.7	1256.43	10/10/2024	NDTOU	Origin - Pov BUSI	B9222076
8.64	95.03	215.86	310.89	10/10/2024	NDTOU	Origin - Pov BUSI	DZ155935
3.03	33.28	67.87	101.15	10/10/2024	NDTOU	Origin - Pov BUSI	DZ133799
30.39	334.24	762.67	1096.91	10/10/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.25	35.78	81.3	117.08	10/10/2024	ND1	Origin - Pov BUSI	A1375272
12.71	139.79	409.09	548.88	10/10/2024	PFIT	Origin - Pov BUSI	DZ122918
30.48	335.2	765.75	1100.95	10/10/2024	NDTOU	Origin - Pov BUSI	B8102951
127.03	1397.29	3214.06	4611.35	10/10/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.05	55.69	98.49	154.18	10/10/2024	NDTOU	Origin - Pov BUSI	CZ245532
2.5	27.53	61.36	88.89	10/10/2024	ND1	Origin - Pov BUSI	A5818036
12.53	137.81	244.05	381.86	10/10/2024	NDTOU	Origin - Pov BUSI	A9850539
2.5	27.55	57.47	85.02	10/10/2024	NDTOU	Origin - Pov BUSI	B2139542
5.26	57.83	110.36	168.19	10/10/2024	NDTOU	Origin - Pov BUSI	B4232469
2.5	27.53	56.96	84.49	10/10/2024	ND1	Origin - Pov BUSI	B0125423
2.5	27.53	56.91	84.44	10/10/2024	NDTOU	Origin - Pov BUSI	A2585444
14.36	157.98	337.27	495.25	10/10/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.5	27.53	29.66	57.19	10/10/2024	NDTOU	Origin - Pov BUSI	B2137963
25.36	279	720.62	999.62	10/10/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.7	29.71	62.59	92.3	10/10/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.42	70.56	73.42	143.98	10/10/2024	NDTOU	Origin - Pov BUSI	DZ124190
81.69	898.63	1728.15	2626.78	10/10/2024	NDTOU	Origin - Pov BUSI	DZ124134
2.76	30.31	94.18	124.49	10/10/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.84	31.29	35.05	66.34	10/10/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.58	39.32	78.52	117.84	10/10/2024	NDTOU	Origin - Pov BUSI	DZ151512
19.46	214.09	570.24	784.33	10/10/2024	NDTOU	Origin - Pov BUSI	DZ151591
53.85	592.34	990.24	1582.58	10/10/2024	NDTOU	Origin - Pov BUSI	DZ151576
15.52	170.83	313.15	483.98	10/10/2024	ND1	Origin - Pov BUSI	B2265932
3.4	37.45	48.55	86	10/10/2024	ND1	Origin - Pov BUSI	CZ296202
3.43	37.79	81.18	118.97	10/10/2024	ND1	Origin - Pov BUSI	A9259962
3.5	38.54	44.67	83.21	10/10/2024	ND1	Origin - Pov BUSI	A8362578
4.26	46.87	100.9	147.77	10/10/2024	ND1	Origin - Pov BUSI	A5941494
3.81	41.95	92.93	134.88	10/10/2024	ND1	Origin - Pov BUSI	CZ268238
5.87	64.6	79.05	143.65	10/10/2024	ND1	Origin - Pov BUSI	CZ101995
10.24	112.65	252.07	364.72	10/10/2024	ND1	Origin - Pov BUSI	DZ149477
3.51	38.68	77.36	116.04	10/10/2024	ND1	Origin - Pov BUSI	B8252625
2.85	31.34	65.51	96.85	10/10/2024	ND1	Origin - Pov BUSI	A1372924
4.41	48.56	87.99	136.55	10/10/2024	ND1	Origin - Pov BUSI	B2235478
32.29	355.17	853.13	1208.3	10/10/2024	ND1	Origin - Pov BUSI	B8237832
2.5	27.56	56.9	84.46	10/10/2024	ND1	Origin - Pov BUSI	B6255875
24.57	270.33	628.38	898.71	10/10/2024	ND1	Origin - Pov BUSI	DZ168872
12.04	132.45	173.86	306.31	10/10/2024	D1	Origin - Pov RESI	B9168508
2.51	27.61	57.24	84.85	10/10/2024	ND1	Origin - Pov BUSI	B7249505

2.5	27.55	56.9	84.45	10/10/2024	ND1	Origin - Pov BUSI	B5249667
40.64	447.13	1122.95	1570.08	10/10/2024	ND1	Origin - Pov BUSI	B7249666
2.5	27.53	56.9	84.43	10/10/2024	ND1	Origin - Pov BUSI	B7249444
17.87	196.57	457.21	653.78	10/10/2024	ND1	Origin - Pov BUSI	B2147547
13.48	148.29	365.48	513.77	10/10/2024	ND1	Origin - Pov BUSI	B6178693
10.01	110.03	186.72	296.75	10/10/2024	NDTOU	Origin - Pov BUSI	A5985238
2.68	29.43	62.53	91.96	10/10/2024	NDTOU	Origin - Pov BUSI	A1754287
2.5	27.53	56.9	84.43	10/10/2024	NDTOU	Origin - Pov BUSI	A5436976
7.59	83.52	0	83.52	10/9/2024	ND1	Origin - Pov BUSI	6271488
10.23	112.5	296.56	409.06	9/10/2024	NDTOU	Origin - Pov BUSI	A5533977
128.12	1409.21	6017.77	7426.98	9/10/2024	NDTOU	Origin - Pov BUSI	DZ167709
65.36	718.91	3265.66	3984.57	9/10/2024	NDTOU	Origin - Pov BUSI	DZ152963
144.02	1584.22	5818.81	7403.03	9/10/2024	NDM	Origin - Pov BUSI	B9180043
84.89	933.79	4272.44	5206.23	9/10/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.59	28.45	108.76	137.21	9/10/2024	NDTOU	Origin - Pov BUSI	CZ235631
8.67	95.29	291.63	386.92	9/10/2024	NDTOU	Origin - Pov BUSI	B6267595
4.42	48.63	161.64	210.27	9/10/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.77	41.42	162.94	204.36	9/10/2024	ND1	Origin - Pov BUSI	A4363829
7.14	78.47	272.3	350.77	9/10/2024	NDTOU	Origin - Pov BUSI	A5850611
3.86	42.33	140.83	183.16	9/10/2024	NDTOU	Origin - Pov BUSI	A8850544
9.89	108.73	399.36	508.09	9/10/2024	NDTOU	Origin - Pov BUSI	A0840728
6.2	68.06	254.15	322.21	9/10/2024	NDTOU	Origin - Pov BUSI	A7851808
243.34	2676.65	10404.07	13080.72	9/10/2024	NDTOU	Origin - Pov BUSI	B7242452
18.96	208.56	520.41	728.97	9/10/2024	NDTOU	Origin - Pov BUSI	B5125232
7.85	86.33	1555.78	1642.11	9/10/2024	NDTOU	Origin - Pov BUSI	B0252600
146.1	1606.95	5919.73	7526.68	9/10/2024	NDM	Origin - Pov BUSI	B7252678
61.67	678.36	2993.48	3671.84	9/10/2024	NDTOU	Origin - Pov BUSI	B9125490
14.91	163.96	698.78	862.74	9/10/2024	ND1	Origin - Pov BUSI	B5102900
15.72	172.88	754.08	926.96	9/10/2024	ND1	Origin - Pov BUSI	CZ189774
21.7	238.54	1203.96	1442.5	9/10/2024	NDTOU	Origin - Pov BUSI	DZ117908
8.45	92.96	287.4	380.36	9/10/2024	NDTOU	Origin - Pov BUSI	B7125236
28.46	313.01	880.25	1193.26	9/10/2024	NDTOU	Origin - Pov BUSI	B0260285
12.42	136.55	552.45	689	9/10/2024	D1	Origin - Pov RESI	A7777257
20.38	224.16	892.67	1116.83	9/10/2024	D1	Origin - Pov RESI	A5777258
2.59	28.45	108.85	137.3	9/10/2024	NDTOU	Origin - Pov BUSI	A3424832
12.1	133.11	403.36	536.47	9/10/2024	NDTOU	Origin - Pov BUSI	A2790251
2.69	29.63	59.21	88.84	9/10/2024	NDTOU	Origin - Pov BUSI	DZ159519
32	352.01	1777.77	2129.78	9/10/2024	NDTOU	Origin - Pov BUSI	DZ142019
7.37	81.08	243.63	324.71	9/10/2024	ND1	Origin - Pov BUSI	DZ141983
23.49	258.27	1097.7	1355.97	9/10/2024	NDTOU	Origin - Pov BUSI	B2199985
3.67	40.36	196.09	236.45	9/10/2024	ND1	Origin - Pov BUSI	B2131348
4.48	49.23	432.74	481.97	9/10/2024	ND1	Origin - Pov BUSI	B1155076
12.02	132.24	476.85	609.09	9/10/2024	ND1	Origin - Pov BUSI	B7142264
3.22	35.34	884.71	920.05	9/10/2024	ND1	Origin - Pov BUSI	DZ136889
21.62	237.82	906.63	1144.45	9/10/2024	NDTOU	Origin - Pov BUSI	DZ157769
14.23	156.5	653.57	810.07	9/10/2024	ND1	Origin - Pov BUSI	DZ138130
2.59	28.45	108.76	137.21	9/10/2024	ND1	Origin - Pov BUSI	B3125493

9.76	107.2	374.64	481.84	9/10/2024	NDTOU	Origin - Pov BUSI	B6265930
168.13	1849.42	10920.11	12769.53	9/10/2024	NDTOU	Origin - Pov BUSI	B8265330
3.23	35.5	574.8	610.3	9/10/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.59	28.45	108.78	137.23	9/10/2024	ND1	Origin - Pov BUSI	A8399463
9.47	104.07	448.4	552.47	9/10/2024	ND1	Origin - Pov BUSI	DZ132519
33.11	364.2	1167.55	1531.75	9/10/2024	NDTOU	Origin - Pov BUSI	B5222191
11.3	124.32	473.4	597.72	9/10/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.48	27.22	94.57	121.79	9/10/2024	D1	Origin - Pov RESI	A3364089
3.82	41.88	200.82	242.7	9/10/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.35	36.75	141.42	178.17	9/10/2024	NDTOU	Origin - Pov BUSI	A5441227
10.4	114.33	499.27	613.6	9/10/2024	ND1	Origin - Pov BUSI	DZ164450
3.64	39.94	580.32	620.26	9/10/2024	D1	Origin - Pov RESI	A6398931
3.45	37.85	144.2	182.05	9/10/2024	ND1	Origin - Pov BUSI	A4795922
35.24	387.54	1652.32	2039.86	9/10/2024	NDTOU	Origin - Pov BUSI	B9222076
9.47	104.06	420.43	524.49	9/10/2024	NDTOU	Origin - Pov BUSI	DZ155935
3.08	33.89	126.14	160.03	9/10/2024	NDTOU	Origin - Pov BUSI	DZ133799
30.01	330.04	1593.18	1923.22	9/10/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.59	39.46	155.43	194.89	9/10/2024	ND1	Origin - Pov BUSI	A1375272
17.59	193.48	874.26	1067.74	9/10/2024	PFIT	Origin - Pov BUSI	DZ122918
32.27	355	1517.78	1872.78	9/10/2024	NDTOU	Origin - Pov BUSI	B8102951
132.66	1459.27	5898.38	7357.65	9/10/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.72	62.96	212.54	275.5	9/10/2024	NDTOU	Origin - Pov BUSI	CZ245532
2.59	28.45	138.63	167.08	9/10/2024	ND1	Origin - Pov BUSI	A5818036
14.41	158.39	524.98	683.37	9/10/2024	NDTOU	Origin - Pov BUSI	A9850539
2.64	29.02	108.83	137.85	9/10/2024	NDTOU	Origin - Pov BUSI	B2139542
4.79	52.69	232.58	285.27	9/10/2024	NDTOU	Origin - Pov BUSI	B4232469
2.59	28.45	240.9	269.35	9/10/2024	ND1	Origin - Pov BUSI	B0125423
2.59	28.45	108.77	137.22	9/10/2024	NDTOU	Origin - Pov BUSI	A2585444
13.34	146.73	655.09	801.82	9/10/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.59	28.45	81.52	109.97	9/10/2024	NDTOU	Origin - Pov BUSI	B2137963
29.02	319.17	1387.61	1706.78	9/10/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.84	31.17	121.2	152.37	9/10/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.66	73.21	209.33	282.54	9/10/2024	NDTOU	Origin - Pov BUSI	DZ124190
88.32	971.51	3573.63	4545.14	9/10/2024	NDTOU	Origin - Pov BUSI	DZ124134
4.2	46.13	223.7	269.83	9/10/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.99	32.83	93.04	125.87	9/10/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.72	40.9	145.17	186.07	9/10/2024	NDTOU	Origin - Pov BUSI	DZ151512
22.16	243.72	1026.81	1270.53	9/10/2024	NDTOU	Origin - Pov BUSI	DZ151591
53.86	592.37	2153.08	2745.45	9/10/2024	NDTOU	Origin - Pov BUSI	DZ151576
20.12	221.24	633.69	854.93	9/10/2024	ND1	Origin - Pov BUSI	B2265932
3.62	39.79	123.54	163.33	9/10/2024	ND1	Origin - Pov BUSI	CZ296202
3.6	39.55	154.28	193.83	9/10/2024	ND1	Origin - Pov BUSI	A9259962
3.73	40.97	121.89	162.86	9/10/2024	ND1	Origin - Pov BUSI	A8362578
4.39	48.21	187.69	235.9	9/10/2024	ND1	Origin - Pov BUSI	A5941494
4.07	44.67	177.24	221.91	9/10/2024	ND1	Origin - Pov BUSI	CZ268238
6.04	66.34	198.56	264.9	9/10/2024	ND1	Origin - Pov BUSI	CZ101995
10.6	116.56	403.04	519.6	9/10/2024	ND1	Origin - Pov BUSI	DZ149477

2.93	32.17	154.37	186.54	9/10/2024	ND1	Origin - Pov BUSI	B8252625
2.97	32.67	125.7	158.37	9/10/2024	ND1	Origin - Pov BUSI	A1372924
4.17	45.86	162.68	208.54	9/10/2024	ND1	Origin - Pov BUSI	B2235478
36.27	398.88	1719.28	2118.16	9/10/2024	ND1	Origin - Pov BUSI	B8237832
2.59	28.45	108.76	137.21	9/10/2024	ND1	Origin - Pov BUSI	B6255875
27.62	303.7	1232.64	1536.34	9/10/2024	ND1	Origin - Pov BUSI	DZ168872
8.52	93.61	298.28	391.89	9/10/2024	D1	Origin - Pov RESI	B9168508
2.6	28.56	109.08	137.64	9/10/2024	ND1	Origin - Pov BUSI	B7249505
2.59	28.45	108.76	137.21	9/10/2024	ND1	Origin - Pov BUSI	B5249667
46.12	507.32	2160.78	2668.1	9/10/2024	ND1	Origin - Pov BUSI	B7249666
2.59	28.45	108.76	137.21	9/10/2024	ND1	Origin - Pov BUSI	B7249444
20.08	220.82	900.68	1121.5	9/10/2024	ND1	Origin - Pov BUSI	B2147547
15.08	165.76	697.52	863.28	9/10/2024	ND1	Origin - Pov BUSI	B6178693
11.12	122.36	431.07	553.43	9/10/2024	NDTOU	Origin - Pov BUSI	A5985238
2.78	30.49	121.52	152.01	9/10/2024	NDTOU	Origin - Pov BUSI	A1754287
2.59	28.45	108.76	137.21	9/10/2024	NDTOU	Origin - Pov BUSI	A5436976
7.39	81.24	215.32	296.56	8/12/2024	NDTOU	Origin - Pov BUSI	A5533977
168.78	1856.54	4161.23	6017.77	8/12/2024	NDTOU	Origin - Pov BUSI	DZ167709
80.66	887.19	2378.47	3265.66	8/12/2024	NDTOU	Origin - Pov BUSI	DZ152963
138.14	1519.39	4299.42	5818.81	8/12/2024	NDM	Origin - Pov BUSI	B9180043
98.82	1086.98	3185.46	4272.44	8/12/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.59	28.45	80.31	108.76	8/12/2024	NDTOU	Origin - Pov BUSI	CZ235631
11.16	122.71	168.92	291.63	8/12/2024	NDTOU	Origin - Pov BUSI	B6267595
3.49	38.36	123.28	161.64	8/12/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.85	42.26	120.68	162.94	8/12/2024	ND1	Origin - Pov BUSI	A4363829
7.35	80.71	191.59	272.3	8/12/2024	NDTOU	Origin - Pov BUSI	A5850611
4.11	45.17	95.66	140.83	8/12/2024	NDTOU	Origin - Pov BUSI	A8850544
10.13	111.41	287.95	399.36	8/12/2024	NDTOU	Origin - Pov BUSI	A0840728
6.15	67.6	186.55	254.15	8/12/2024	NDTOU	Origin - Pov BUSI	A7851808
262.48	2887.15	7516.92	10404.07	8/12/2024	NDTOU	Origin - Pov BUSI	B7242452
18.86	207.42	312.99	520.41	8/12/2024	NDTOU	Origin - Pov BUSI	B5125232
8.23	90.51	1465.27	1555.78	8/12/2024	NDTOU	Origin - Pov BUSI	B0252600
193.75	2131.09	3788.64	5919.73	8/12/2024	NDM	Origin - Pov BUSI	B7252678
83.65	920.14	2073.34	2993.48	8/12/2024	NDTOU	Origin - Pov BUSI	B9125490
20.06	220.52	478.26	698.78	8/12/2024	ND1	Origin - Pov BUSI	B5102900
15.54	170.91	583.17	754.08	8/12/2024	ND1	Origin - Pov BUSI	CZ189774
23.22	255.34	948.62	1203.96	8/12/2024	NDTOU	Origin - Pov BUSI	DZ117908
6.32	69.43	217.97	287.4	8/12/2024	NDTOU	Origin - Pov BUSI	B7125236
25.98	285.82	594.43	880.25	8/12/2024	NDTOU	Origin - Pov BUSI	B0260285
16.09	176.91	375.54	552.45	8/12/2024	D1	Origin - Pov RESI	A7777257
22.69	249.51	643.16	892.67	8/12/2024	D1	Origin - Pov RESI	A5777258
2.59	28.45	80.4	108.85	8/12/2024	NDTOU	Origin - Pov BUSI	A3424832
12.3	135.22	268.14	403.36	8/12/2024	NDTOU	Origin - Pov BUSI	A2790251
2.7	29.67	29.54	59.21	8/12/2024	NDTOU	Origin - Pov BUSI	DZ159519
42.6	468.59	1309.18	1777.77	8/12/2024	NDTOU	Origin - Pov BUSI	DZ142019
7.09	77.95	165.68	243.63	8/12/2024	ND1	Origin - Pov BUSI	DZ141983
27.5	302.45	795.25	1097.7	8/12/2024	NDTOU	Origin - Pov BUSI	B2199985

3.7	40.61	155.48	196.09	8/12/2024	ND1	Origin - Pov BUSI	B2131348
4.64	50.99	381.75	432.74	8/12/2024	ND1	Origin - Pov BUSI	B1155076
16.17	177.79	299.06	476.85	8/12/2024	ND1	Origin - Pov BUSI	B7142264
3.28	36.09	848.62	884.71	8/12/2024	ND1	Origin - Pov BUSI	DZ136889
26.3	289.28	617.35	906.63	8/12/2024	NDTOU	Origin - Pov BUSI	DZ157769
18.69	205.55	448.02	653.57	8/12/2024	ND1	Origin - Pov BUSI	DZ138130
2.59	28.45	80.31	108.76	8/12/2024	ND1	Origin - Pov BUSI	B3125493
10.24	112.55	262.09	374.64	8/12/2024	NDTOU	Origin - Pov BUSI	B6265930
225.88	2484.62	8435.49	10920.11	8/12/2024	NDTOU	Origin - Pov BUSI	B8265330
3.22	35.4	539.4	574.8	8/12/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.59	28.45	80.33	108.78	8/12/2024	ND1	Origin - Pov BUSI	A8399463
11.88	130.65	317.75	448.4	8/12/2024	ND1	Origin - Pov BUSI	DZ132519
38.49	423.34	744.21	1167.55	8/12/2024	NDTOU	Origin - Pov BUSI	B5222191
10.87	119.52	353.88	473.4	8/12/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.35	25.78	68.79	94.57	8/12/2024	D1	Origin - Pov RESI	A3364089
6.92	76.09	124.73	200.82	8/12/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.44	37.83	103.59	141.42	8/12/2024	NDTOU	Origin - Pov BUSI	A5441227
11.46	126.04	373.23	499.27	8/12/2024	ND1	Origin - Pov BUSI	DZ164450
20.22	222.33	357.99	580.32	8/12/2024	D1	Origin - Pov RESI	A6398931
3.44	37.71	106.49	144.2	8/12/2024	ND1	Origin - Pov BUSI	A4795922
39.66	436.16	1216.16	1652.32	8/12/2024	NDTOU	Origin - Pov BUSI	B9222076
10.17	111.8	308.63	420.43	8/12/2024	NDTOU	Origin - Pov BUSI	DZ155935
3.04	33.45	92.69	126.14	8/12/2024	NDTOU	Origin - Pov BUSI	DZ133799
39.34	432.63	1160.55	1593.18	8/12/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.57	39.26	116.17	155.43	8/12/2024	ND1	Origin - Pov BUSI	A1375272
19.61	215.61	658.65	874.26	8/12/2024	PFIT	Origin - Pov BUSI	DZ122918
37.35	410.75	1107.03	1517.78	8/12/2024	NDTOU	Origin - Pov BUSI	B8102951
159.53	1754.79	4143.59	5898.38	8/12/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.54	60.94	151.6	212.54	8/12/2024	NDTOU	Origin - Pov BUSI	CZ245532
2.88	31.64	106.99	138.63	8/12/2024	ND1	Origin - Pov BUSI	A5818036
14.35	157.76	367.22	524.98	8/12/2024	NDTOU	Origin - Pov BUSI	A9850539
2.59	28.45	80.38	108.83	8/12/2024	NDTOU	Origin - Pov BUSI	B2139542
4.95	54.37	178.21	232.58	8/12/2024	NDTOU	Origin - Pov BUSI	B4232469
2.6	28.51	212.39	240.9	8/12/2024	ND1	Origin - Pov BUSI	B0125423
2.59	28.45	80.32	108.77	8/12/2024	NDTOU	Origin - Pov BUSI	A2585444
15.53	170.76	484.33	655.09	8/12/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.59	28.45	53.07	81.52	8/12/2024	NDTOU	Origin - Pov BUSI	B2137963
31.47	346.07	1041.54	1387.61	8/12/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.82	30.98	90.22	121.2	8/12/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.64	73.05	136.28	209.33	8/12/2024	NDTOU	Origin - Pov BUSI	DZ124190
95.75	1053.14	2520.49	3573.63	8/12/2024	NDTOU	Origin - Pov BUSI	DZ124134
4.13	45.32	178.38	223.7	8/12/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.97	32.67	60.37	93.04	8/12/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.3	36.28	108.89	145.17	8/12/2024	NDTOU	Origin - Pov BUSI	DZ151512
27.26	299.84	726.97	1026.81	8/12/2024	NDTOU	Origin - Pov BUSI	DZ151591
56.08	616.8	1536.28	2153.08	8/12/2024	NDTOU	Origin - Pov BUSI	DZ151576
16	175.91	457.78	633.69	8/12/2024	ND1	Origin - Pov BUSI	B2265932

3.71	40.72	82.82	123.54	8/12/2024	ND1	Origin - Pov BUSI	CZ296202
3.63	39.96	114.32	154.28	8/12/2024	ND1	Origin - Pov BUSI	A9259962
3.82	42	79.89	121.89	8/12/2024	ND1	Origin - Pov BUSI	A8362578
4.38	48.09	139.6	187.69	8/12/2024	ND1	Origin - Pov BUSI	A5941494
4.17	45.82	131.42	177.24	8/12/2024	ND1	Origin - Pov BUSI	CZ268238
5.99	65.83	132.73	198.56	8/12/2024	ND1	Origin - Pov BUSI	CZ101995
10.69	117.53	285.51	403.04	8/12/2024	ND1	Origin - Pov BUSI	DZ149477
4.03	44.27	110.1	154.37	8/12/2024	ND1	Origin - Pov BUSI	B8252625
2.99	32.84	92.86	125.7	8/12/2024	ND1	Origin - Pov BUSI	A1372924
3.7	40.65	122.03	162.68	8/12/2024	ND1	Origin - Pov BUSI	B2235478
41.3	454.25	1265.03	1719.28	8/12/2024	ND1	Origin - Pov BUSI	B8237832
2.59	28.45	80.31	108.76	8/12/2024	ND1	Origin - Pov BUSI	B6255875
29.52	324.68	907.96	1232.64	8/12/2024	ND1	Origin - Pov BUSI	DZ168872
4.06	44.6	253.68	298.28	8/12/2024	D1	Origin - Pov RESI	B9168508
2.6	28.53	80.55	109.08	8/12/2024	ND1	Origin - Pov BUSI	B7249505
2.59	28.45	80.31	108.76	8/12/2024	ND1	Origin - Pov BUSI	B5249667
50.35	553.8	1606.98	2160.78	8/12/2024	ND1	Origin - Pov BUSI	B7249666
2.59	28.45	80.31	108.76	8/12/2024	ND1	Origin - Pov BUSI	B7249444
21.49	236.39	664.29	900.68	8/12/2024	ND1	Origin - Pov BUSI	B2147547
16.22	178.4	519.12	697.52	8/12/2024	ND1	Origin - Pov BUSI	B6178693
11.93	131.21	299.86	431.07	8/12/2024	NDTOU	Origin - Pov BUSI	A5985238
2.86	31.45	90.07	121.52	8/12/2024	NDTOU	Origin - Pov BUSI	A1754287
2.59	28.45	80.31	108.76	8/12/2024	NDTOU	Origin - Pov BUSI	A5436976
21.17	232.69	157.77	390.46	8/5/2024	DD1	Origin - Pov RESI	A3357215
6.65	73.03	200.45	273.48	7/10/2024	NDTOU	Origin - Pov BUSI	A5533977
157.25	1729.69	3011.22	4740.91	7/10/2024	NDTOU	Origin - Pov BUSI	DZ167709
80.19	881.96	2354.98	3236.94	7/10/2024	NDTOU	Origin - Pov BUSI	DZ152963
129.71	1426.72	4494.42	5921.14	7/10/2024	NDM	Origin - Pov BUSI	B9180043
99.81	1097.91	3140.6	4238.51	7/10/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.43	26.71	80.84	107.55	7/10/2024	NDTOU	Origin - Pov BUSI	CZ235631
5.53	60.76	172.46	233.22	7/10/2024	NDTOU	Origin - Pov BUSI	B6267595
3.48	38.24	142.64	180.88	7/10/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.65	40.08	118.94	159.02	7/10/2024	ND1	Origin - Pov BUSI	A4363829
7.21	79.31	189.72	269.03	7/10/2024	NDTOU	Origin - Pov BUSI	A5850611
4.24	46.62	89.25	135.87	7/10/2024	NDTOU	Origin - Pov BUSI	A8850544
9.76	107.43	257.4	364.83	7/10/2024	NDTOU	Origin - Pov BUSI	A0840728
5.54	61.01	184.97	245.98	7/10/2024	NDTOU	Origin - Pov BUSI	A7851808
234.37	2578.04	7374.28	9952.32	7/10/2024	NDTOU	Origin - Pov BUSI	B7242452
21.41	235.4	856.6	1092	7/10/2024	NDTOU	Origin - Pov BUSI	B5125232
7.86	86.36	2906.45	2992.81	7/10/2024	NDTOU	Origin - Pov BUSI	B0252600
169.63	1865.98	5124.24	6990.22	7/10/2024	NDM	Origin - Pov BUSI	B7252678
79.59	875.46	1532.19	2407.65	7/10/2024	NDTOU	Origin - Pov BUSI	B9125490
14.62	160.73	425.7	586.43	7/10/2024	ND1	Origin - Pov BUSI	B5102900
16.13	177.39	481.49	658.88	7/10/2024	ND1	Origin - Pov BUSI	CZ189774
22.33	245.49	1430.72	1676.21	7/10/2024	NDTOU	Origin - Pov BUSI	DZ117908
6.07	66.6	242.36	308.96	7/10/2024	NDTOU	Origin - Pov BUSI	B7125236
22.84	251.21	789.6	1040.81	7/10/2024	NDTOU	Origin - Pov BUSI	B0260285

14.11	155.25	292.92	448.17	7/10/2024	D1	Origin - Pov RESI	A7777257
21.1	232.15	599.97	832.12	7/10/2024	D1	Origin - Pov RESI	A5777258
2.43	26.71	85.5	112.21	7/10/2024	NDTOU	Origin - Pov BUSI	A3424832
7.3	80.36	0	80.36	7/10/2024	ND1	Origin - Pov BUSI	6271488
11.34	124.73	270.54	395.27	7/10/2024	NDTOU	Origin - Pov BUSI	A2790251
2.55	27.93	188.44	216.37	7/10/2024	NDTOU	Origin - Pov BUSI	DZ159519
40.93	450.37	1089.76	1540.13	7/10/2024	NDTOU	Origin - Pov BUSI	DZ142019
7.22	79.35	165.73	245.08	7/10/2024	ND1	Origin - Pov BUSI	DZ141983
21.13	232.3	700.89	933.19	7/10/2024	NDTOU	Origin - Pov BUSI	B2199985
7.7	84.69	126.34	211.03	7/10/2024	ND1	Origin - Pov BUSI	B2131348
2.76	30.24	651.99	682.23	7/10/2024	ND1	Origin - Pov BUSI	B1155076
14.07	154.62	194.77	349.39	7/10/2024	ND1	Origin - Pov BUSI	B7142264
7.04	77.37	1398.58	1475.95	7/10/2024	ND1	Origin - Pov BUSI	DZ136889
18.45	202.86	609.33	812.19	7/10/2024	NDTOU	Origin - Pov BUSI	DZ157769
15.19	167.01	376.42	543.43	7/10/2024	ND1	Origin - Pov BUSI	DZ138130
2.43	26.71	80.84	107.55	7/10/2024	ND1	Origin - Pov BUSI	B3125493
9.91	108.98	249.39	358.37	7/10/2024	NDTOU	Origin - Pov BUSI	B6265930
257.1	2828.07	6997.04	9825.11	7/10/2024	NDTOU	Origin - Pov BUSI	B8265330
3.01	33.17	924.15	957.32	7/10/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.43	26.71	80.86	107.57	7/10/2024	ND1	Origin - Pov BUSI	A8399463
8.52	93.79	277.56	371.35	7/10/2024	ND1	Origin - Pov BUSI	DZ132519
28.39	312.32	651.43	963.75	7/10/2024	NDTOU	Origin - Pov BUSI	B5222191
10.5	115.38	348.73	464.11	7/10/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.09	23.1	72.46	95.56	7/10/2024	D1	Origin - Pov RESI	A3364089
3.57	39.21	128.35	167.56	7/10/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.21	35.22	100.09	135.31	7/10/2024	NDTOU	Origin - Pov BUSI	A5441227
12.55	138.09	376.79	514.88	7/10/2024	ND1	Origin - Pov BUSI	DZ164450
17.26	189.94	243.43	433.37	7/10/2024	D1	Origin - Pov RESI	A6398931
3.22	35.3	107.41	142.71	7/10/2024	ND1	Origin - Pov BUSI	A4795922
39.14	430.54	1184.55	1615.09	7/10/2024	NDTOU	Origin - Pov BUSI	A3308069
9.63	105.82	292.92	398.74	7/10/2024	NDTOU	Origin - Pov BUSI	DZ155935
2.77	30.34	104.54	134.88	7/10/2024	NDTOU	Origin - Pov BUSI	DZ133799
41.82	460	1004.69	1464.69	7/10/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.21	35.18	117.71	152.89	7/10/2024	ND1	Origin - Pov BUSI	A1375272
17.99	197.85	595.63	793.48	7/10/2024	PFIT	Origin - Pov BUSI	DZ122918
33.45	367.85	1438.88	1806.73	7/10/2024	NDTOU	Origin - Pov BUSI	B8102951
148.12	1629.3	3523.87	5153.17	7/10/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.21	57.25	141.36	198.61	7/10/2024	NDTOU	Origin - Pov BUSI	CZ245532
3.23	35.5	106.24	141.74	7/10/2024	ND1	Origin - Pov BUSI	A5818036
14.26	156.83	337.96	494.79	7/10/2024	NDTOU	Origin - Pov BUSI	A9850539
2.43	26.71	80.91	107.62	7/10/2024	NDTOU	Origin - Pov BUSI	B2139542
5.71	62.84	163.07	225.91	7/10/2024	NDTOU	Origin - Pov BUSI	B4232469
14.44	158.79	80.84	239.63	7/10/2024	ND1	Origin - Pov BUSI	B0125423
2.43	26.71	80.85	107.56	7/10/2024	NDTOU	Origin - Pov BUSI	A2585444
14.52	159.63	476.86	636.49	7/10/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.43	26.71	53.6	80.31	7/10/2024	NDTOU	Origin - Pov BUSI	B2137963
30.96	340.57	960.42	1300.99	7/10/2024	NDTOU	Origin - Pov BUSI	DZ161871

2.83	31.11	88.47	119.58	7/10/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.24	68.61	140.51	209.12	7/10/2024	NDTOU	Origin - Pov BUSI	DZ124190
89.1	980.1	2562.91	3543.01	7/10/2024	NDTOU	Origin - Pov BUSI	DZ124134
4.07	44.8	497.31	542.11	7/10/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.76	30.3	60.52	90.82	7/10/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.64	39.93	110.31	150.24	7/10/2024	NDTOU	Origin - Pov BUSI	DZ151512
24.3	267.39	637.04	904.43	7/10/2024	NDTOU	Origin - Pov BUSI	DZ151591
57.67	634.31	1336.8	1971.11	7/10/2024	NDTOU	Origin - Pov BUSI	DZ151576
19.66	216.21	395.81	612.02	7/10/2024	ND1	Origin - Pov BUSI	B2265932
3.52	38.62	81.54	120.16	7/10/2024	ND1	Origin - Pov BUSI	CZ296202
3.43	37.68	114.13	151.81	7/10/2024	ND1	Origin - Pov BUSI	A9259962
3.62	39.81	78.38	118.19	7/10/2024	ND1	Origin - Pov BUSI	A8362578
4.1	45.14	140.3	185.44	7/10/2024	ND1	Origin - Pov BUSI	A5941494
3.95	43.45	129.71	173.16	7/10/2024	ND1	Origin - Pov BUSI	CZ268238
5.62	61.85	133.93	195.78	7/10/2024	ND1	Origin - Pov BUSI	CZ101995
7.68	84.46	319.83	404.29	7/10/2024	ND1	Origin - Pov BUSI	DZ149477
3.17	34.88	153.47	188.35	7/10/2024	ND1	Origin - Pov BUSI	B8252625
2.82	30.93	92.49	123.42	7/10/2024	ND1	Origin - Pov BUSI	A1372924
4.02	44.27	114.38	158.65	7/10/2024	ND1	Origin - Pov BUSI	B2235478
40.11	441.19	1185.94	1627.13	7/10/2024	ND1	Origin - Pov BUSI	B8237832
2.43	26.71	80.84	107.55	7/10/2024	ND1	Origin - Pov BUSI	B6255875
28.48	313.32	863.93	1177.25	7/10/2024	ND1	Origin - Pov BUSI	DZ168872
11.23	123.65	369.37	493.02	7/10/2024	D1	Origin - Pov RESI	B9168508
2.43	26.74	81.13	107.87	7/10/2024	ND1	Origin - Pov BUSI	B7249505
2.43	26.71	80.84	107.55	7/10/2024	ND1	Origin - Pov BUSI	B5249667
47.95	527.45	1552.19	2079.64	7/10/2024	ND1	Origin - Pov BUSI	B7249666
2.43	26.71	80.84	107.55	7/10/2024	ND1	Origin - Pov BUSI	B7249444
20.68	227.43	644.19	871.62	7/10/2024	ND1	Origin - Pov BUSI	B2147547
15.49	170.3	500.34	670.64	7/10/2024	ND1	Origin - Pov BUSI	B6178693
11.41	125.41	281.59	407	7/10/2024	NDTOU	Origin - Pov BUSI	A5985238
2.71	29.77	89.97	119.74	7/10/2024	NDTOU	Origin - Pov BUSI	A1754287
2.43	26.71	80.84	107.55	7/10/2024	NDTOU	Origin - Pov BUSI	A5436976
6.46	71.02	129.43	200.45	6/10/2024	NDTOU	Origin - Pov BUSI	A5533977
130.97	1440.65	1570.57	3011.22	6/10/2024	NDTOU	Origin - Pov BUSI	DZ167709
77.21	849.26	1505.72	2354.98	6/10/2024	NDTOU	Origin - Pov BUSI	DZ152963
133.72	1470.88	3023.54	4494.42	6/10/2024	NDM	Origin - Pov BUSI	B9180043
91.19	1003.06	2137.54	3140.6	6/10/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.48	27.24	53.6	80.84	6/10/2024	NDTOU	Origin - Pov BUSI	CZ235631
4.71	51.77	120.69	172.46	6/10/2024	NDTOU	Origin - Pov BUSI	B6267595
4.09	45.05	97.59	142.64	6/10/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.69	40.53	78.41	118.94	6/10/2024	ND1	Origin - Pov BUSI	A4363829
7.34	80.72	109	189.72	6/10/2024	NDTOU	Origin - Pov BUSI	A5850611
4.05	44.56	44.69	89.25	6/10/2024	NDTOU	Origin - Pov BUSI	A8850544
7.93	87.14	170.26	257.4	6/10/2024	NDTOU	Origin - Pov BUSI	A0840728
5.53	60.76	124.21	184.97	6/10/2024	NDTOU	Origin - Pov BUSI	A7851808
230.4	2534.4	4839.88	7374.28	6/10/2024	NDTOU	Origin - Pov BUSI	B7242452
37.16	408.63	447.97	856.6	6/10/2024	NDTOU	Origin - Pov BUSI	B5125232

46.04	506.32	2400.13	2906.45	6/10/2024	NDTOU	Origin - Pov BUSI	B0252600
153.16	1684.69	3439.55	5124.24	6/10/2024	NDM	Origin - Pov BUSI	B7252678
63.36	696.79	835.4	1532.19	6/10/2024	NDTOU	Origin - Pov BUSI	B9125490
15.14	166.48	259.22	425.7	6/10/2024	ND1	Origin - Pov BUSI	B5102900
13.7	150.69	330.8	481.49	6/10/2024	ND1	Origin - Pov BUSI	CZ189774
65.27	717.92	712.8	1430.72	6/10/2024	NDTOU	Origin - Pov BUSI	DZ117908
7.33	80.48	161.88	242.36	6/10/2024	NDTOU	Origin - Pov BUSI	B7125236
25.46	280.04	509.56	789.6	6/10/2024	NDTOU	Origin - Pov BUSI	B0260285
13.52	148.69	144.23	292.92	6/10/2024	D1	Origin - Pov RESI	A7777257
19.35	212.78	387.19	599.97	6/10/2024	D1	Origin - Pov RESI	A5777258
2.48	27.24	58.26	85.5	6/10/2024	NDTOU	Origin - Pov BUSI	A3424832
11.09	121.94	148.6	270.54	6/10/2024	NDTOU	Origin - Pov BUSI	A2790251
2.59	28.42	160.02	188.44	6/10/2024	NDTOU	Origin - Pov BUSI	DZ159519
35.14	386.43	703.33	1089.76	6/10/2024	NDTOU	Origin - Pov BUSI	DZ142019
7.74	85.12	80.61	165.73	6/10/2024	ND1	Origin - Pov BUSI	DZ141983
23.48	258.23	442.66	700.89	6/10/2024	NDTOU	Origin - Pov BUSI	B2199985
6.43	70.71	55.63	126.34	6/10/2024	ND1	Origin - Pov BUSI	B2131348
5.19	57.07	594.92	651.99	6/10/2024	ND1	Origin - Pov BUSI	B1155076
11.24	123.55	71.22	194.77	6/10/2024	ND1	Origin - Pov BUSI	B7142264
5.52	60.7	1337.88	1398.58	6/10/2024	ND1	Origin - Pov BUSI	DZ136889
16.61	182.68	426.65	609.33	6/10/2024	NDTOU	Origin - Pov BUSI	DZ157769
14.68	161.5	214.92	376.42	6/10/2024	ND1	Origin - Pov BUSI	DZ138130
2.48	27.24	53.6	80.84	6/10/2024	ND1	Origin - Pov BUSI	B3125493
9.96	109.46	139.93	249.39	6/10/2024	NDTOU	Origin - Pov BUSI	B6265930
274.05	3014.42	3982.62	6997.04	6/10/2024	NDTOU	Origin - Pov BUSI	B8265330
16.57	182.21	741.94	924.15	6/10/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.48	27.24	53.62	80.86	6/10/2024	ND1	Origin - Pov BUSI	A8399463
10.42	114.57	162.99	277.56	6/10/2024	ND1	Origin - Pov BUSI	DZ132519
31.81	349.84	301.59	651.43	6/10/2024	NDTOU	Origin - Pov BUSI	B5222191
10.33	113.63	235.1	348.73	6/10/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.09	22.98	49.48	72.46	6/10/2024	D1	Origin - Pov RESI	A3364089
3.64	39.92	88.43	128.35	6/10/2024	NDTOU	Origin - Pov BUSI	DZ151727
3.23	35.49	64.6	100.09	6/10/2024	NDTOU	Origin - Pov BUSI	A5441227
11.64	127.99	248.8	376.79	6/10/2024	ND1	Origin - Pov BUSI	DZ164450
3.83	42.11	201.32	243.43	6/10/2024	D1	Origin - Pov RESI	A6398931
3.25	35.61	71.8	107.41	6/10/2024	ND1	Origin - Pov BUSI	A4795922
35.32	388.48	796.07	1184.55	6/10/2024	NDTOU	Origin - Pov BUSI	B9222076
9.63	105.94	186.98	292.92	6/10/2024	NDTOU	Origin - Pov BUSI	DZ155935
2.8	30.66	73.88	104.54	6/10/2024	NDTOU	Origin - Pov BUSI	DZ133799
34.21	376.25	628.44	1004.69	6/10/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.73	40.98	76.73	117.71	6/10/2024	ND1	Origin - Pov BUSI	A1375272
23.01	253.1	342.53	595.63	6/10/2024	PFIT	Origin - Pov BUSI	DZ122918
31.25	343.68	1095.2	1438.88	6/10/2024	NDTOU	Origin - Pov BUSI	B8102951
126.49	1391.33	2132.54	3523.87	6/10/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.71	62.71	78.65	141.36	6/10/2024	NDTOU	Origin - Pov BUSI	CZ245532
3.27	35.89	70.35	106.24	6/10/2024	ND1	Origin - Pov BUSI	A5818036
13.34	146.75	191.21	337.96	6/10/2024	NDTOU	Origin - Pov BUSI	A9850539

2.48	27.24	53.67	80.91	6/10/2024	NDTOU	Origin - Pov BUSI	B2139542
5.29	58.22	104.85	163.07	6/10/2024	NDTOU	Origin - Pov BUSI	B4232469
2.48	27.24	53.6	80.84	6/10/2024	ND1	Origin - Pov BUSI	B0125423
2.48	27.24	53.61	80.85	6/10/2024	NDTOU	Origin - Pov BUSI	A2585444
13.89	152.71	324.15	476.86	6/10/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.48	27.24	26.36	53.6	6/10/2024	NDTOU	Origin - Pov BUSI	B2137963
30.87	339.48	620.94	960.42	6/10/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.72	29.82	58.65	88.47	6/10/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.22	68.37	72.14	140.51	6/10/2024	NDTOU	Origin - Pov BUSI	DZ124190
84.77	932.47	1630.44	2562.91	6/10/2024	NDTOU	Origin - Pov BUSI	DZ124134
5.61	61.67	435.64	497.31	6/10/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.83	31.17	29.35	60.52	6/10/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.08	33.76	76.55	110.31	6/10/2024	NDTOU	Origin - Pov BUSI	DZ151512
21.16	232.72	404.32	637.04	6/10/2024	NDTOU	Origin - Pov BUSI	DZ151591
52.73	579.91	756.89	1336.8	6/10/2024	NDTOU	Origin - Pov BUSI	DZ151576
16.44	180.8	215.01	395.81	6/10/2024	ND1	Origin - Pov BUSI	B2265932
3.56	39.08	42.46	81.54	6/10/2024	ND1	Origin - Pov BUSI	CZ296202
3.48	38.27	75.86	114.13	6/10/2024	ND1	Origin - Pov BUSI	A9259962
3.67	40.27	38.11	78.38	6/10/2024	ND1	Origin - Pov BUSI	A8362578
4.18	45.89	94.41	140.3	6/10/2024	ND1	Origin - Pov BUSI	A5941494
4	43.94	85.77	129.71	6/10/2024	ND1	Origin - Pov BUSI	CZ268238
5.74	63.06	70.87	133.93	6/10/2024	ND1	Origin - Pov BUSI	CZ101995
7.73	85.06	234.77	319.83	6/10/2024	ND1	Origin - Pov BUSI	DZ149477
3.41	37.45	116.02	153.47	6/10/2024	ND1	Origin - Pov BUSI	B8252625
2.87	31.58	60.91	92.49	6/10/2024	ND1	Origin - Pov BUSI	A1372924
3.5	38.49	75.89	114.38	6/10/2024	ND1	Origin - Pov BUSI	B2235478
39.46	433.92	752.02	1185.94	6/10/2024	ND1	Origin - Pov BUSI	B8237832
2.48	27.24	53.6	80.84	6/10/2024	ND1	Origin - Pov BUSI	B6255875
28.28	311.01	552.92	863.93	6/10/2024	ND1	Origin - Pov BUSI	DZ168872
6.3	69.2	300.17	369.37	6/10/2024	D1	Origin - Pov RESI	B9168508
2.48	27.26	53.87	81.13	6/10/2024	ND1	Origin - Pov BUSI	B7249505
2.48	27.24	53.6	80.84	6/10/2024	ND1	Origin - Pov BUSI	B5249667
48.24	530.51	1021.68	1552.19	6/10/2024	ND1	Origin - Pov BUSI	B7249666
2.48	27.24	53.6	80.84	6/10/2024	ND1	Origin - Pov BUSI	B7249444
20.6	226.52	417.67	644.19	6/10/2024	ND1	Origin - Pov BUSI	B2147547
15.45	169.93	330.41	500.34	6/10/2024	ND1	Origin - Pov BUSI	B6178693
11.44	125.75	155.84	281.59	6/10/2024	NDTOU	Origin - Pov BUSI	A5985238
2.77	30.4	59.57	89.97	6/10/2024	NDTOU	Origin - Pov BUSI	A1754287
2.48	27.24	53.6	80.84	6/10/2024	NDTOU	Origin - Pov BUSI	A5436976
14.33	157.77	0	157.77	5/23/2024	DD1	Origin - Pov RESI	A3357215
5.64	62.09	67.34	129.43	5/20/2024	NDTOU	Origin - Pov BUSI	A5533977
90.08	990.89	829.24	1820.13	5/20/2024	NDTOU	Origin - Pov BUSI	DZ167709
58.84	647.25	858.47	1505.72	5/20/2024	NDTOU	Origin - Pov BUSI	DZ152963
127.43	1401.82	1712.01	3113.83	5/20/2024	NDM	Origin - Pov BUSI	B9180043
87.22	959.44	1178.1	2137.54	5/20/2024	NDTOU	Origin - Pov BUSI	DZ160158
2.39	26.36	27.24	53.6	5/20/2024	NDTOU	Origin - Pov BUSI	CZ235631
5.13	56.39	107.55	163.94	5/20/2024	NDTOU	Origin - Pov BUSI	B6267595

3.41	37.53	60.06	97.59	5/20/2024	NDTOU	Origin - Pov BUSI	DZ138041
3.47	38.19	40.22	78.41	5/20/2024	ND1	Origin - Pov BUSI	A4363829
7.04	77.38	31.62	109	5/20/2024	NDTOU	Origin - Pov BUSI	A5850611
3.84	42.3	2.39	44.69	5/20/2024	NDTOU	Origin - Pov BUSI	A8850544
7.32	80.6	89.66	170.26	5/20/2024	NDTOU	Origin - Pov BUSI	A0840728
5.3	58.3	65.91	124.21	5/20/2024	NDTOU	Origin - Pov BUSI	A7851808
218.59	2404.48	2435.4	4839.88	5/20/2024	NDTOU	Origin - Pov BUSI	B7242452
40.73	447.97	0	447.97	5/20/2024	NDTOU	Origin - Pov BUSI	B5125232
7.27	79.94	2729.23	2809.17	5/20/2024	NDTOU	Origin - Pov BUSI	B0252600
76.98	846.77	2592.78	3439.55	5/20/2024	NDM	Origin - Pov BUSI	B7252678
45.54	501.09	477.84	978.93	5/20/2024	NDTOU	Origin - Pov BUSI	B9125490
11.48	126.36	132.86	259.22	5/20/2024	ND1	Origin - Pov BUSI	B5102900
10.33	113.61	217.19	330.8	5/20/2024	ND1	Origin - Pov BUSI	CZ189774
28.47	313.19	399.61	712.8	5/20/2024	NDTOU	Origin - Pov BUSI	DZ117908
5.94	65.42	96.46	161.88	5/20/2024	NDTOU	Origin - Pov BUSI	B7125236
28.87	317.66	191.9	509.56	5/20/2024	NDTOU	Origin - Pov BUSI	B0260285
5.71	62.84	81.39	144.23	5/20/2024	D1	Origin - Pov RESI	A7777257
18.02	198.23	188.96	387.19	5/20/2024	D1	Origin - Pov RESI	A5777258
2.39	26.36	31.9	58.26	5/20/2024	NDTOU	Origin - Pov BUSI	A3424832
11.43	125.73	22.87	148.6	5/20/2024	NDTOU	Origin - Pov BUSI	A2790251
5.81	63.95	96.07	160.02	5/20/2024	NDTOU	Origin - Pov BUSI	DZ159519
23.02	253.21	450.12	703.33	5/20/2024	NDTOU	Origin - Pov BUSI	DZ142019
7.32	80.61	0	80.61	5/20/2024	ND1	Origin - Pov BUSI	DZ141983
16.78	184.64	258.02	442.66	5/20/2024	NDTOU	Origin - Pov BUSI	B2199985
5.05	55.63	0	55.63	5/20/2024	ND1	Origin - Pov BUSI	B2131348
14.63	160.96	433.96	594.92	5/20/2024	ND1	Origin - Pov BUSI	B1155076
7.61	83.73	-12.51	71.22	5/20/2024	ND1	Origin - Pov BUSI	B7142264
28.09	308.99	1028.89	1337.88	5/20/2024	ND1	Origin - Pov BUSI	DZ136889
17.28	190.14	236.51	426.65	5/20/2024	NDTOU	Origin - Pov BUSI	DZ157769
10.86	119.51	111.75	231.26	5/20/2024	ND1	Origin - Pov BUSI	DZ138130
2.39	26.36	27.24	53.6	5/20/2024	ND1	Origin - Pov BUSI	B3125493
9.25	101.82	38.11	139.93	5/20/2024	NDTOU	Origin - Pov BUSI	B6265930
189.68	2086.53	1896.09	3982.62	5/20/2024	NDTOU	Origin - Pov BUSI	B8265330
29.25	321.87	420.07	741.94	5/20/2024	NDTOU	Origin - Pov BUSI	DZ167705
2.39	26.38	27.24	53.62	5/20/2024	ND1	Origin - Pov BUSI	A8399463
7.42	81.63	81.36	162.99	5/20/2024	ND1	Origin - Pov BUSI	DZ132519
23.2	255.24	-706.2	-450.96	5/20/2024	NDTOU	Origin - Pov BUSI	B5222191
10.07	110.92	124.18	235.1	5/20/2024	NDTOU	Origin - Pov BUSI	CZ235630
2.06	22.71	26.77	49.48	5/20/2024	D1	Origin - Pov RESI	A3364089
3.91	43.04	45.39	88.43	5/20/2024	NDTOU	Origin - Pov BUSI	DZ151727
2.9	31.93	32.67	64.6	5/20/2024	NDTOU	Origin - Pov BUSI	A5441227
8.49	93.41	155.39	248.8	5/20/2024	ND1	Origin - Pov BUSI	DZ164450
10.05	110.5	90.82	201.32	5/20/2024	D1	Origin - Pov RESI	A6398931
3.12	34.29	37.51	71.8	5/20/2024	ND1	Origin - Pov BUSI	A4795922
31.47	346.14	449.93	796.07	5/20/2024	NDTOU	Origin - Pov BUSI	B9222076
8.8	96.87	103.43	200.3	5/20/2024	NDTOU	Origin - Pov BUSI	DZ155935
2.83	31.16	42.32	73.48	5/20/2024	NDTOU	Origin - Pov BUSI	DZ133799

29.49	324.3	240.1	564.4	5/20/2024	NDTOU	Origin - Pov BUSI	DZ113935
3.4	37.43	39.3	76.73	5/20/2024	ND1	Origin - Pov BUSI	A1375272
18.87	207.7	134.83	342.53	5/20/2024	PFIT	Origin - Pov BUSI	DZ122918
35.94	395.5	658.23	1053.73	5/20/2024	NDTOU	Origin - Pov BUSI	B8102951
102.09	1122.96	1009.58	2132.54	5/20/2024	NDTOU	Origin - Pov BUSI	DZ131340
5.18	57.05	21.6	78.65	5/20/2024	NDTOU	Origin - Pov BUSI	CZ245532
3.12	34.33	36.02	70.35	5/20/2024	ND1	Origin - Pov BUSI	A5818036
12.32	135.74	55.47	191.21	5/20/2024	NDTOU	Origin - Pov BUSI	A9850539
2.4	26.43	26.88	53.31	5/20/2024	NDTOU	Origin - Pov BUSI	B2139542
4.89	53.85	51	104.85	5/20/2024	NDTOU	Origin - Pov BUSI	B4232469
2.39	26.36	11.98	38.34	5/20/2024	ND1	Origin - Pov BUSI	B0125423
2.39	26.36	27.25	53.61	5/20/2024	NDTOU	Origin - Pov BUSI	A2585444
13.84	152.21	171.94	324.15	5/20/2024	NDTOU	Origin - Pov BUSI	DZ157765
2.39	26.36	0	26.36	5/20/2024	NDTOU	Origin - Pov BUSI	B2137963
27.83	306.11	314.83	620.94	5/20/2024	NDTOU	Origin - Pov BUSI	DZ161871
2.62	28.85	29.41	58.26	5/20/2024	NDTOU	Origin - Pov BUSI	CZ245031
6.55	72.14	0	72.14	5/20/2024	NDTOU	Origin - Pov BUSI	DZ124190
82.21	904.42	726.02	1630.44	5/20/2024	NDTOU	Origin - Pov BUSI	DZ124134
6.29	69.18	366.1	435.28	5/20/2024	NDTOU	Origin - Pov BUSI	DZ131420
2.66	29.35	-0.37	28.98	5/20/2024	NDTOU	Origin - Pov BUSI	CZ238801
3.08	33.86	42.69	76.55	5/20/2024	NDTOU	Origin - Pov BUSI	DZ151512
18.2	200.18	204.14	404.32	5/20/2024	NDTOU	Origin - Pov BUSI	DZ151591
49.17	540.99	215.9	756.89	5/20/2024	NDTOU	Origin - Pov BUSI	DZ151576
13.15	144.77	55.51	200.28	5/20/2024	ND1	Origin - Pov BUSI	B2265932
3.36	37.08	5.38	42.46	5/20/2024	ND1	Origin - Pov BUSI	CZ296202
3.33	36.7	39.16	75.86	5/20/2024	ND1	Origin - Pov BUSI	A9259962
3.46	38.11	0	38.11	5/20/2024	ND1	Origin - Pov BUSI	A8362578
4	43.97	50.44	94.41	5/20/2024	ND1	Origin - Pov BUSI	A5941494
3.77	41.59	44.18	85.77	5/20/2024	ND1	Origin - Pov BUSI	CZ268238
5.53	60.94	9.93	70.87	5/20/2024	ND1	Origin - Pov BUSI	CZ101995
8.91	98.01	112.31	210.32	5/20/2024	ND1	Origin - Pov BUSI	DZ149477
3.35	36.85	78.83	115.68	5/20/2024	ND1	Origin - Pov BUSI	B8252625
2.75	30.35	30.17	60.52	5/20/2024	ND1	Origin - Pov BUSI	A1372924
3.43	37.79	37.76	75.55	5/20/2024	ND1	Origin - Pov BUSI	B2235478
35.44	389.92	362.1	752.02	5/20/2024	ND1	Origin - Pov BUSI	B8237832
2.39	26.36	27.24	53.6	5/20/2024	ND1	Origin - Pov BUSI	B6255875
25.78	283.63	225.37	509	5/20/2024	ND1	Origin - Pov BUSI	DZ168872
5.47	60.18	204.99	265.17	5/20/2024	D1	Origin - Pov RESI	B9168508
2.39	26.4	27.47	53.87	5/20/2024	ND1	Origin - Pov BUSI	B7249505
2.39	26.36	27.24	53.6	5/20/2024	ND1	Origin - Pov BUSI	B5249667
44.28	487.19	534.49	1021.68	5/20/2024	ND1	Origin - Pov BUSI	B7249666
2.39	26.36	27.24	53.6	5/20/2024	ND1	Origin - Pov BUSI	B7249444
19.12	210.34	236.37	446.71	5/20/2024	ND1	Origin - Pov BUSI	B2147547
14.32	157.57	172.84	330.41	5/20/2024	ND1	Origin - Pov BUSI	B6178693
10.5	115.55	40.29	155.84	5/20/2024	NDTOU	Origin - Pov BUSI	A5985238
2.66	29.31	30.26	59.57	5/20/2024	NDTOU	Origin - Pov BUSI	A1754287
2.39	26.36	27.24	53.6	5/20/2024	NDTOU	Origin - Pov BUSI	A5436976

Peak	Peak Charg	Peak 1	Peak 1 Rat	Peak 1 Cha	Off-Peak	Off-Peak R	Off-Peak Cl	Total KWh(
29.237	9.99	29.237	0.68585	9.99	113.337	0.36531	20.67	142.58
765.3125	262.27	765.3125	0.68585	262.27	1951.375	0.36531	356.13	2716.69
924.4	317.25	924.4	0.68585	317.25	1832.2	0.36531	334.42	2756.6
2418	500.04	2418	0.41393	500.04	2852.88	0.41393	590.41	5270.88
1717.76	588.93	1717.76	0.68585	588.93	1898.92	0.36531	347.07	3616.68
0	0	0	0.68585	0	0	0.36531	0	0
473.88	162.68	473.88	0.68585	162.68	275.12	0.36531	50.48	749
15.875	5.43	15.875	0.68585	5.43	84.325	0.36531	15.41	100.2
42.16	10.68	42.16	0.50743	10.68	0	0	0	42.16
166.085	56.9	166.085	0.68585	56.9	323.249	0.36531	59.03	489.34
32.511	11.12	32.511	0.68585	11.12	32.535	0.36531	5.93	65.05
34.582	11.83	34.582	0.68585	11.83	265.601	0.36531	48.49	300.19
34.413	11.78	34.413	0.68585	11.78	115.4	0.36531	21.06	149.81
5638.28	1933.17	5638.28	0.68585	1933.17	4319.88	0.36531	788.97	9958.16
749.494	257.06	749.494	0.68585	257.06	1390.145	0.36531	254.5	2139.64
551.92	189.85	551.92	0.68585	189.85	1283.4	0.36531	236.08	1835.32
483	99.85	483	0.41393	99.85	1293.8	0.41393	269.28	1776.8
1135.301	389.03	1135.301	0.68585	389.03	800.744	0.36531	146.13	1936.05
325.689	82.58	325.689	0.50743	82.58	0	0	0	325.69
612.7844	155.37	612.7844	0.50743	155.37	0	0	0	612.78
1097.65	376.35	1097.65	0.68585	376.35	1121.913	0.36531	205.07	2219.57
55.536	19.05	55.536	0.68585	19.05	103.43	0.36531	18.95	158.96
601.312	206.19	601.312	0.68585	206.19	771.463	0.36531	141.14	1372.78
250.362	60.92	250.362	0.48653	60.92	0	0	0	250.36
689.005	167.66	689.005	0.48653	167.66	0	0	0	689
48.866	16.73	48.866	0.68585	16.73	41.271	0.36531	7.49	90.14
121.921	41.8	121.921	0.68585	41.8	304.66	0.36531	55.65	426.58
186.0375	63.48	186.0375	0.68585	63.48	427.125	0.36531	77.58	613.16
570.15	195.56	570.15	0.68585	195.56	307	0.36531	56.05	877.16
194.8625	49.45	194.8625	0.50743	49.45	0	0	0	194.86
243.521	83.51	243.521	0.68585	83.51	215.18	0.36531	39.3	458.7
21.196	5.35	21.196	0.50743	5.35	0	0	0	21.2
1176.92	299	1176.92	0.50743	299	0	0	0	1176.92
162.444	41.23	162.444	0.50743	41.23	0	0	0	162.45
2032.688	516.24	2032.688	0.50743	516.24	0	0	0	2032.69
295.5625	101.31	295.5625	0.68585	101.31	391.7	0.36531	71.43	687.27
276.5125	70.24	276.5125	0.50743	70.24	0	0	0	276.52
0	0	0	0.50743	0	0	0	0	0
44.464	15.21	44.464	0.68585	15.21	262.391	0.36531	47.91	306.86
1324.84	452.62	1324.84	0.68585	452.62	4130.8	0.36531	752.15	5455.64
283.375	97.73	283.375	0.68585	97.73	1454.263	0.36531	265.67	1737.64
0	0	0	0.50743	0	0	0	0	0
124.4375	31.61	124.4375	0.50743	31.61	0	0	0	124.44
577.288	198.16	577.288	0.68585	198.16	300	0.36531	54.94	877.29
116.1065	39.77	116.1065	0.68585	39.77	212.648	0.36531	38.82	328.76
9.117	2.22	9.117	0.48653	2.22	0	0	0	9.11

12.85	4.36	12.85	0.68585	4.36	52.7125	0.36531	9.57	65.57
6.153	2.09	6.153	0.68585	2.09	23.996	0.36531	4.36	30.15
52.9875	13.49	52.9875	0.50743	13.49	0	0	0	52.99
403.965	98.18	403.965	0.48653	98.18	0	0	0	403.96
30.376	7.69	30.376	0.50743	7.69	0	0	0	30.38
767.259	263.01	767.259	0.68585	263.01	668.408	0.36531	122.21	1435.67
39.9625	13.67	39.9625	0.68585	13.67	246.875	0.36531	45.06	286.84
34.3125	11.69	34.3125	0.68585	11.69	9.1	0.36531	1.64	43.41
352.525	120.71	352.525	0.68585	120.71	911.8625	0.36531	166.58	1264.39
43.763	11.06	43.763	0.50743	11.06	0	0	0	43.77
211.275	72.47	211.275	0.68585	72.47	254.325	0.36531	46.46	465.6
598.145	205.07	598.145	0.68585	205.07	1105.323	0.36531	202.3	1703.47
1818.313	623.62	1818.313	0.68585	623.62	1883.325	0.36531	344.03	3701.64
12.2107	4.17	12.2107	0.68585	4.17	127.3394	0.36531	23.23	139.55
27.827	7.04	27.827	0.50743	7.04	0	0	0	27.83
73.302	25.1	73.302	0.68585	25.1	359.754	0.36531	65.68	433.06
0.007	0	0.007	0.68585	0	1.26	0.36531	0.22	1.27
0	0	0	0.68585	0	110.75	0.36531	20.21	110.75
646.105	162.94	646.105	0.50743	162.94	0	0	0	646.11
0	0	0	0.68585	0	0	0.36531	0	0
210.3125	72.11	210.3125	0.68585	72.11	264.4375	0.36531	48.29	474.75
3.442	1.18	3.442	0.68585	1.18	559.789	0.36531	102.08	563.24
101.5	34.74	101.5	0.68585	34.74	914.725	0.36531	167.05	1016.22
4.3147	1.46	4.3147	0.68585	1.46	6.4764	0.36531	1.17	10.79
62.55	21.43	62.55	0.68585	21.43	101.7375	0.36531	18.59	164.29
1539.738	528.05	1539.738	0.68585	528.05	2496.475	0.36531	456.64	4036.21
399.75	137.3	399.75	0.68585	137.3	348.025	0.36531	64.03	747.77
3.9734	1.35	3.9734	0.68585	1.35	10.845	0.36531	1.98	14.81
15.0875	5.17	15.0875	0.68585	5.17	16.4875	0.36531	3.01	31.58
326.6375	112.05	326.6375	0.68585	112.05	307.1875	0.36531	56.13	633.83
735.6625	252.19	735.6625	0.68585	252.19	729.525	0.36531	133.25	1465.19
474.029	120.13	474.029	0.50743	120.13	0	0	0	474.03
39.7487	10.08	39.7487	0.50743	10.08	0	0	0	39.74
37.901	9.6	37.901	0.50743	9.6	0	0	0	37.9
40.962	10.38	40.962	0.50743	10.38	0	0	0	40.96
67.654	17.15	67.654	0.50743	17.15	0	0	0	67.65
53.7641	13.62	53.7641	0.50743	13.62	0	0	0	53.76
135.5134	34.37	135.5134	0.50743	34.37	0	0	0	135.51
292.7625	74.22	292.7625	0.50743	74.22	0	0	0	292.76
349.6	87.9	349.6	0.50743	87.9	0	0	0	349.6
10.648	2.68	10.648	0.50743	2.68	0	0	0	10.65
37.948	9.61	37.948	0.50743	9.61	0	0	0	37.95
1427.432	361.95	1427.432	0.50743	361.95	0	0	0	1427.44
15.8	3.99	15.8	0.50743	3.99	0	0	0	15.8
900.5375	228.34	900.5375	0.50743	228.34	0	0	0	900.54
833.225	202.74	833.225	0.48653	202.74	0	0	0	833.23
0.218	0.04	0.218	0.50743	0.04	0	0	0	0.22

0	0	0	0.50743	0	0	0	0	0
1589.021	402.96	1589.021	0.50743	402.96	0	0	0	1589.02
0	0	0	0.50743	0	0	0	0	0
646.953	164.05	646.953	0.50743	164.05	0	0	0	646.95
452.426	114.72	452.426	0.50743	114.72	0	0	0	452.42
39.536	13.53	39.536	0.68585	13.53	326.165	0.36531	59.54	365.7
1.355	0.45	1.355	0.68585	0.45	6.504	0.36531	1.18	7.86
0	0	0	0.68585	0	0	0.36531	0	0
33.856	11.68	33.856	0.34518	11.68	114.804	0.18491	21.22	148.66
498.2875	172	498.2875	0.34518	172	1677.088	0.18491	310.1	2175.38
974.8	336.48	974.8	0.34518	336.48	1934	0.18491	357.61	2908.8
2061.28	431.26	2061.28	0.20922	431.26	2478.96	0.20922	518.64	4540.24
1563.4	539.65	1563.4	0.34518	539.65	1891.8	0.18491	349.81	3455.2
0	0	0	0.34518	0	0	0.18491	0	0
541	186.74	541	0.34518	186.74	225.96	0.18491	41.78	766.96
29.6875	10.24	29.6875	0.34518	10.24	66.9375	0.18491	12.38	96.63
34.236	8.76	34.236	0.25597	8.76	0	0	0	34.24
201.937	69.7	201.937	0.34518	69.7	370.61	0.18491	68.52	572.55
22.659	7.82	22.659	0.34518	7.82	24.85	0.18491	4.59	47.51
18.682	6.45	18.682	0.34518	6.45	230.841	0.18491	42.68	249.52
29.476	10.16	29.476	0.34518	10.16	103.313	0.18491	19.1	132.79
4016.72	1386.48	4016.72	0.34518	1386.48	4326.96	0.18491	800.1	8343.68
912.3	314.9	912.3	0.34518	314.9	1714.733	0.18491	317.06	2627.03
1594.96	550.54	1594.96	0.34518	550.54	3640.56	0.18491	673.17	5235.52
1053.68	220.44	1053.68	0.20922	220.44	3296.04	0.20922	689.59	4349.72
898.108	310	898.108	0.34518	310	637.837	0.18491	117.94	1535.95
306.525	78.45	306.525	0.25597	78.45	0	0	0	306.52
526.1063	134.66	526.1063	0.25597	134.66	0	0	0	526.11
1053.35	363.59	1053.35	0.34518	363.59	1323.725	0.18491	244.76	2377.07
61.687	21.29	61.687	0.34518	21.29	144.285	0.18491	26.68	205.97
627.839	216.71	627.839	0.34518	216.71	716.461	0.18491	132.47	1344.3
193.52	47.51	193.52	0.24552	47.51	0	0	0	193.52
643.283	157.94	643.283	0.24552	157.94	0	0	0	643.28
50.76	17.51	50.76	0.34518	17.51	6.525	0.18491	1.2	57.29
127.253	43.92	127.253	0.34518	43.92	296.124	0.18491	54.75	423.38
273.5625	94.42	273.5625	0.34518	94.42	434	0.18491	80.25	707.56
581.9625	200.87	581.9625	0.34518	200.87	282.5	0.18491	52.23	864.46
161.025	41.22	161.025	0.25597	41.22	0	0	0	161.03
252.664	87.21	252.664	0.34518	87.21	187.826	0.18491	34.73	440.49
21.66	5.54	21.66	0.25597	5.54	0	0	0	21.66
384.658	98.45	384.658	0.25597	98.45	0	0	0	384.66
151.307	38.72	151.307	0.25597	38.72	0	0	0	151.31
2017.85	516.51	2017.85	0.25597	516.51	0	0	0	2017.85
288.175	99.46	288.175	0.34518	99.46	380.25	0.18491	70.31	668.43
305.4125	78.17	305.4125	0.25597	78.17	0	0	0	305.41
0	0	0	0.25597	0	0	0	0	0
27.042	9.33	27.042	0.34518	9.33	223.369	0.18491	41.29	250.41

322.04	111.16	322.04	0.34518	111.16	3726.64	0.18491	689.08	4048.68
39.6375	13.67	39.6375	0.34518	13.67	1277.963	0.18491	236.3	1317.6
0.001	0	0.001	0.25597	0	0	0	0	0
113.95	29.16	113.95	0.25597	29.16	0	0	0	113.95
589.744	203.57	589.744	0.34518	203.57	223.498	0.18491	41.33	813.24
105.62	36.45	105.62	0.34518	36.45	193.2818	0.18491	35.74	298.9
3.896	0.95	3.896	0.24552	0.95	0	0	0	3.9
156.379	38.46	156.379	0.50743	38.46	0	0	0	156.38
16.7625	5.79	16.7625	0.34518	5.79	61.375	0.18491	11.34	78.14
4.89	1.68	4.89	0.34518	1.68	20.68	0.18491	3.82	25.57
164.8875	42.2	164.8875	0.25597	42.2	0	0	0	164.89
118.021	28.97	118.021	0.24552	28.97	0	0	0	118.02
27.814	7.12	27.814	0.25597	7.12	0	0	0	27.81
714.305	246.55	714.305	0.34518	246.55	616.732	0.18491	114.04	1331.04
24.9875	8.62	24.9875	0.34518	8.62	209.9875	0.18491	38.82	234.98
9.5875	3.3	9.5875	0.34518	3.3	9.5	0.18491	1.75	19.09
258.825	89.33	258.825	0.34518	89.33	830.425	0.18491	153.55	1089.25
43.529	11.13	43.529	0.25597	11.13	0	0	0	43.53
213.025	73.52	213.025	0.34518	73.52	232.6125	0.18491	43.01	445.64
698.245	241.01	698.245	0.34518	241.01	1323.549	0.18491	244.73	2021.79
1843.125	636.21	1843.125	0.34518	636.21	1683.213	0.18491	311.23	3526.34
5.6266	1.94	5.6266	0.34518	1.94	107.1431	0.18491	19.81	112.77
22.428	5.73	22.428	0.25597	5.73	0	0	0	22.43
51.954	17.93	51.954	0.34518	17.93	311.762	0.18491	57.64	363.72
0	0	0	0.34518	0	0	0.18491	0	0
0	0	0	0.34518	0	114.291	0.18491	21.13	114.29
18.741	4.8	18.741	0.25597	4.8	0	0	0	18.74
0	0	0	0.34518	0	0	0.18491	0	0
201.1375	69.42	201.1375	0.34518	69.42	261.3875	0.18491	48.32	462.53
3.136	1.08	3.136	0.34518	1.08	560.747	0.18491	103.69	563.88
46.9375	16.19	46.9375	0.34518	16.19	814.8625	0.18491	150.67	861.8
3.436	1.18	3.436	0.34518	1.18	5.9442	0.18491	1.09	9.38
59.4125	20.5	59.4125	0.34518	20.5	80.225	0.18491	14.83	139.64
1588.363	548.26	1588.363	0.34518	548.26	2677.163	0.18491	495.03	4265.52
494.1875	170.58	494.1875	0.34518	170.58	362.4	0.18491	67	856.59
4.2181	1.45	4.2181	0.34518	1.45	11.102	0.18491	2.05	15.32
13.45	4.64	13.45	0.34518	4.64	19.0125	0.18491	3.51	32.46
303.8875	104.89	303.8875	0.34518	104.89	276.95	0.18491	51.21	580.84
699.0875	241.31	699.0875	0.34518	241.31	711.35	0.18491	131.53	1410.44
384.222	98.34	384.222	0.25597	98.34	0	0	0	384.22
33.7257	8.62	33.7257	0.25597	8.62	0	0	0	33.73
32.564	8.33	32.564	0.25597	8.33	0	0	0	32.56
32.973	8.44	32.973	0.25597	8.44	0	0	0	32.97
61.867	15.83	61.867	0.25597	15.83	0	0	0	61.87
44.0086	11.26	44.0086	0.25597	11.26	0	0	0	44.01
123.9266	31.71	123.9266	0.25597	31.71	0	0	0	123.93
805.1	206.07	805.1	0.25597	206.07	0	0	0	805.1

4.28	1.09	4.28	0.25597	1.09	0	0	0	4.28
8.487	2.17	8.487	0.25597	2.17	0	0	0	8.49
38.593	9.88	38.593	0.25597	9.88	0	0	0	38.59
1113.636	285.05	1113.636	0.25597	285.05	0	0	0	1113.64
14.68	3.75	14.68	0.25597	3.75	0	0	0	14.68
727.225	186.14	727.225	0.25597	186.14	0	0	0	727.23
1025.103	251.68	1025.103	0.24552	251.68	0	0	0	1025.1
0.283	0.07	0.283	0.25597	0.07	0	0	0	0.28
28.693	7.34	28.693	0.25597	7.34	0	0	0	28.69
1350.769	345.75	1350.769	0.25597	345.75	0	0	0	1350.77
0.085	0.01	0.085	0.25597	0.01	0	0	0	0.09
547.22	140.06	547.22	0.25597	140.06	0	0	0	547.22
364.897	93.4	364.897	0.25597	93.4	0	0	0	364.9
19.609	6.77	19.609	0.34518	6.77	277.537	0.18491	51.32	297.15
0.232	0.08	0.232	0.34518	0.08	5.621	0.18491	1.03	5.85
0	0	0	0.34518	0	0	0.18491	0	0
39.061	13.48	39.061	0.34518	13.48	161.053	0.18491	29.78	200.11
410.9	141.83	410.9	0.34518	141.83	1687.65	0.18491	312.06	2098.55
1100.6	379.9	1100.6	0.34518	379.9	1995.5	0.18491	368.98	3096.1
1982.24	414.72	1982.24	0.20922	414.72	2986.4	0.20922	624.81	4968.64
1784	615.79	1784	0.34518	615.79	2323	0.18491	429.54	4107
0	0	0	0.34518	0	0	0.18491	0	0
54.08	18.67	54.08	0.34518	18.67	81.8	0.18491	15.13	135.88
60.575	20.9	60.575	0.34518	20.9	135.8125	0.18491	25.11	196.39
34.645	8.87	34.645	0.25597	8.87	0	0	0	34.65
243.282	83.97	243.282	0.34518	83.97	530.052	0.18491	98.01	773.33
15.144	5.23	15.144	0.34518	5.23	24.4	0.18491	4.51	39.54
11.75	4.05	11.75	0.34518	4.05	242.148	0.18491	44.77	253.9
27.977	9.65	27.977	0.34518	9.65	101.811	0.18491	18.82	129.79
3786.68	1307.09	3786.68	0.34518	1307.09	4647.64	0.18491	859.39	8434.32
2136.294	737.4	2136.294	0.34518	737.4	2939.583	0.18491	543.55	5075.88
5038.92	1739.33	5038.92	0.34518	1739.33	9091.96	0.18491	1681.19	14130.88
16886	3532.88	16886	0.20922	3532.88	19854.08	0.20922	4153.86	36740.08
215.887	74.51	215.887	0.34518	74.51	583.922	0.18491	107.97	799.81
282.436	72.29	282.436	0.25597	72.29	0	0	0	282.44
443.4964	113.52	443.4964	0.25597	113.52	0	0	0	443.5
1228.563	424.07	1228.563	0.34518	424.07	1843.95	0.18491	340.96	3072.51
235.18	81.17	235.18	0.34518	81.17	200.617	0.18491	37.09	435.8
614.127	211.98	614.127	0.34518	211.98	902.518	0.18491	166.88	1516.65
262.342	64.41	262.342	0.24552	64.41	0	0	0	262.34
833.245	204.58	833.245	0.24552	204.58	0	0	0	833.25
54.22	18.71	54.22	0.34518	18.71	21.585	0.18491	3.98	75.81
106.094	36.62	106.094	0.34518	36.62	308.829	0.18491	57.1	414.92
600.9625	207.44	600.9625	0.34518	207.44	597.6	0.18491	110.5	1198.56
577.1875	199.23	577.1875	0.34518	199.23	282.9625	0.18491	52.32	860.15
199.775	51.13	199.775	0.25597	51.13	0	0	0	199.78
91.15	31.46	91.15	0.34518	31.46	165.626	0.18491	30.62	256.78

8.232	2.1	8.232	0.25597	2.1	0	0	0	8.23
934.667	239.24	934.667	0.25597	239.24	0	0	0	934.67
159.844	40.91	159.844	0.25597	40.91	0	0	0	159.84
1723.9	441.27	1723.9	0.25597	441.27	0	0	0	1723.9
230.85	79.68	230.85	0.34518	79.68	304.6375	0.18491	56.32	535.49
246.6125	63.12	246.6125	0.25597	63.12	0	0	0	246.61
0	0	0	0.25597	0	0	0	0	0
21.571	7.44	21.571	0.34518	7.44	235.556	0.18491	43.55	257.13
616.28	212.72	616.28	0.34518	212.72	4581.84	0.18491	847.22	5198.12
119.0875	41.1	119.0875	0.34518	41.1	1394.688	0.18491	257.88	1513.78
0	0	0	0.25597	0	0	0	0	0
105.9875	27.13	105.9875	0.25597	27.13	0	0	0	105.99
263.276	90.87	263.276	0.34518	90.87	201.59	0.18491	37.27	464.87
112.9447	38.98	112.9447	0.34518	38.98	237.3159	0.18491	43.88	350.26
4.458	1.09	4.458	0.24552	1.09	0	0	0	4.46
124.5875	43	124.5875	0.34518	43	84.7875	0.18491	15.68	209.38
4.54	1.56	4.54	0.34518	1.56	21.628	0.18491	3.99	26.17
173.525	44.41	173.525	0.25597	44.41	0	0	0	173.53
264.573	64.96	264.573	0.24552	64.96	0	0	0	264.57
30.98	7.92	30.98	0.25597	7.92	0	0	0	30.98
842.457	290.8	842.457	0.34518	290.8	776.643	0.18491	143.61	1619.1
23.9375	8.26	23.9375	0.34518	8.26	223.775	0.18491	41.37	247.71
5.375	1.85	5.375	0.34518	1.85	11.9375	0.18491	2.2	17.31
271.725	93.79	271.725	0.34518	93.79	800.8875	0.18491	148.08	1072.61
18.968	4.85	18.968	0.25597	4.85	0	0	0	18.97
117.725	40.63	117.725	0.34518	40.63	230.7125	0.18491	42.66	348.44
2090.183	721.48	2090.183	0.34518	721.48	2942.445	0.18491	544.08	5032.63
2061.825	711.7	2061.825	0.34518	711.7	1878.388	0.18491	347.33	3940.21
3.4394	1.18	3.4394	0.34518	1.18	115.2001	0.18491	21.3	118.64
22.352	5.72	22.352	0.25597	5.72	0	0	0	22.35
44.957	15.51	44.957	0.34518	15.51	330.271	0.18491	61.06	375.23
0	0	0	0.34518	0	0	0.18491	0	0
0	0	0	0.34518	0	203.081	0.18491	37.54	203.08
98.896	25.31	98.896	0.25597	25.31	0	0	0	98.9
0	0	0	0.34518	0	0	0.18491	0	0
186.2	64.26	186.2	0.34518	64.26	265.6125	0.18491	49.1	451.81
3.118	1.07	3.118	0.34518	1.07	596.361	0.18491	110.26	599.48
18.825	6.49	18.825	0.34518	6.49	850.3375	0.18491	157.23	869.16
2.5123	0.86	2.5123	0.34518	0.86	5.7429	0.18491	1.06	8.26
74.9	25.85	74.9	0.34518	25.85	115.975	0.18491	21.44	190.88
2051.262	708.05	2051.262	0.34518	708.05	3398.863	0.18491	628.47	5450.13
646.35	223.1	646.35	0.34518	223.1	655.4625	0.18491	121.2	1301.81
7.0933	2.44	7.0933	0.34518	2.44	10.5806	0.18491	1.95	17.67
57.825	19.95	57.825	0.34518	19.95	84.1375	0.18491	15.55	141.96
350.95	121.13	350.95	0.34518	121.13	286.1125	0.18491	52.9	637.06
763.6875	263.6	763.6875	0.34518	263.6	850.525	0.18491	157.27	1614.21
431.34	110.41	431.34	0.25597	110.41	0	0	0	431.34

32.5978	8.34	32.5978	0.25597	8.34	0	0	0	32.6
34.554	8.84	34.554	0.25597	8.84	0	0	0	34.55
32.928	8.43	32.928	0.25597	8.43	0	0	0	32.93
68.836	17.61	68.836	0.25597	17.61	0	0	0	68.84
44.4092	11.36	44.4092	0.25597	11.36	0	0	0	44.41
137.9201	35.3	137.9201	0.25597	35.3	0	0	0	137.92
625.0875	160	625.0875	0.25597	160	0	0	0	625.09
87.64	22.43	87.64	0.25597	22.43	0	0	0	87.64
8.65	2.21	8.65	0.25597	2.21	0	0	0	8.65
5980.349	1530.78	5980.349	0.25597	1530.78	0	0	0	5980.35
1121.542	287.08	1121.542	0.25597	287.08	0	0	0	1121.54
34.68	8.88	34.68	0.25597	8.88	0	0	0	34.68
740.15	189.45	740.15	0.25597	189.45	0	0	0	740.15
1691.562	415.31	1691.562	0.24552	415.31	0	0	0	1691.56
0.204	0.04	0.204	0.25597	0.04	0	0	0	0.2
0	0	0	0.25597	0	0	0	0	0
1351.925	346.05	1351.925	0.25597	346.05	0	0	0	1351.93
0	0	0	0.25597	0	0	0	0	0
547.078	140.03	547.078	0.25597	140.03	0	0	0	547.08
364.808	93.38	364.808	0.25597	93.38	0	0	0	364.81
11.267	3.88	11.267	0.34518	3.88	288.081	0.18491	53.26	299.35
0.002	0	0.002	0.34518	0	6.034	0.18491	1.11	6.04
0	0	0	0.34518	0	0	0.18491	0	0
270.696	69.45	270.696	0.50743	69.45	0	0	0	270.7
0	0	0	0.27236	0	0	0	0	0
23.164	8.37	23.164	0.36157	8.37	86.429	0.2013	17.39	109.59
312.9375	113.15	312.9375	0.36157	113.15	1422.338	0.2013	286.31	1735.28
915.3	330.94	915.3	0.36157	330.94	1719.3	0.2013	346.09	2634.6
2148.64	484.75	2148.64	0.22561	484.75	2932.4	0.22561	661.57	5081.04
1489.48	538.55	1489.48	0.36157	538.55	2021.6	0.2013	406.95	3511.08
0	0	0	0.36157	0	0	0.2013	0	0
48.6	17.57	48.6	0.36157	17.57	72.68	0.2013	14.63	121.28
88.3875	31.96	88.3875	0.36157	31.96	181.8875	0.2013	36.61	270.27
32.931	8.97	32.931	0.27236	8.97	0	0	0	32.93
93.03	33.63	93.03	0.36157	33.63	203.311	0.2013	40.92	296.34
18.094	6.53	18.094	0.36157	6.53	21.315	0.2013	4.29	39.41
17.788	6.42	17.788	0.36157	6.42	228.371	0.2013	45.97	246.16
24.924	9.01	24.924	0.36157	9.01	91.561	0.2013	18.43	116.49
5558.48	2009.78	5558.48	0.36157	2009.78	6400.28	0.2013	1288.38	11958.76
1913.282	691.78	1913.282	0.36157	691.78	2957.619	0.2013	595.36	4870.9
5085.84	1838.88	5085.84	0.36157	1838.88	10070.44	0.2013	2027.18	15156.28
18927.2	4270.16	18927.2	0.22561	4270.16	23981.92	0.22561	5410.56	42909.12
245.573	88.78	245.573	0.36157	88.78	569.796	0.2013	114.7	815.37
264.829	72.13	264.829	0.27236	72.13	0	0	0	264.83
329.4433	89.73	329.4433	0.27236	89.73	0	0	0	329.44
1428.088	516.35	1428.088	0.36157	516.35	1970.05	0.2013	396.56	3398.14
332.346	120.16	332.346	0.36157	120.16	244.036	0.2013	49.12	576.38

593.716	214.67	593.716	0.36157	214.67	914.202	0.2013	184.02	1507.92
265.069	69.42	265.069	0.26191	69.42	0	0	0	265.07
768.835	201.36	768.835	0.26191	201.36	0	0	0	768.84
58.248	21.05	58.248	0.36157	21.05	59.086	0.2013	11.89	117.33
80.137	28.97	80.137	0.36157	28.97	305.934	0.2013	61.58	386.07
266.225	96.25	266.225	0.36157	96.25	291.1	0.2013	58.6	557.33
393.3125	142.21	393.3125	0.36157	142.21	215.1375	0.2013	43.31	608.45
185.4	50.49	185.4	0.27236	50.49	0	0	0	185.4
111.142	40.18	111.142	0.36157	40.18	171.062	0.2013	34.43	282.2
0.108	0.02	0.108	0.27236	0.02	0	0	0	0.11
438.187	119.34	438.187	0.27236	119.34	0	0	0	438.19
127.67	34.77	127.67	0.27236	34.77	0	0	0	127.67
2238.413	609.65	2238.413	0.27236	609.65	0	0	0	2238.41
307.65	111.23	307.65	0.36157	111.23	530.0125	0.2013	106.69	837.66
225.2625	61.35	225.2625	0.27236	61.35	0	0	0	225.26
0	0	0	0.27236	0	0	0	0	0
20.76	7.5	20.76	0.36157	7.5	221.633	0.2013	44.61	242.39
719.28	260.06	719.28	0.36157	260.06	5152.44	0.2013	1037.18	5871.72
81.2125	29.36	81.2125	0.36157	29.36	1434.45	0.2013	288.75	1515.66
0	0	0	0.27236	0	0	0	0	0
113.85	31	113.85	0.27236	31	0	0	0	113.85
222.12	80.31	222.12	0.36157	80.31	182.166	0.2013	36.66	404.29
112.1064	40.52	112.1064	0.36157	40.52	235.1886	0.2013	47.33	347.3
4.266	1.11	4.266	0.26191	1.11	0	0	0	4.27
41.5375	15.02	41.5375	0.36157	15.02	104.55	0.2013	21.04	146.09
4.557	1.64	4.557	0.36157	1.64	21.734	0.2013	4.37	26.29
173.8125	47.33	173.8125	0.27236	47.33	0	0	0	173.81
141.273	36.99	141.273	0.26191	36.99	0	0	0	141.27
30.535	8.32	30.535	0.27236	8.32	0	0	0	30.54
776.982	280.93	776.982	0.36157	280.93	735.274	0.2013	148.01	1512.26
28.875	10.44	28.875	0.36157	10.44	212.775	0.2013	42.82	241.65
10.85	3.92	10.85	0.36157	3.92	10.5375	0.2013	2.11	21.39
198.675	71.83	198.675	0.36157	71.83	708.725	0.2013	142.66	907.4
21.899	5.96	21.899	0.27236	5.96	0	0	0	21.9
124.425	44.98	124.425	0.36157	44.98	222.35	0.2013	44.76	346.78
1653.879	597.99	1653.879	0.36157	597.99	2400.276	0.2013	483.18	4054.16
1747.838	631.96	1747.838	0.36157	631.96	1902.213	0.2013	382.91	3650.05
4.183	1.51	4.183	0.36157	1.51	114.5621	0.2013	23.06	118.75
7.025	1.9	7.025	0.27236	1.9	0	0	0	7.03
44.81	16.19	44.81	0.36157	16.19	316.567	0.2013	63.72	361.38
0	0	0	0.36157	0	0	0.2013	0	0
0.266	0.09	0.266	0.36157	0.09	211.463	0.2013	42.56	211.73
66.11	18	66.11	0.27236	18	0	0	0	66.11
0	0	0	0.36157	0	0	0.2013	0	0
173.2625	62.65	173.2625	0.36157	62.65	268.7375	0.2013	54.09	442
3.143	1.13	3.143	0.36157	1.13	562.247	0.2013	113.18	565.39
14.7625	5.34	14.7625	0.36157	5.34	837.9875	0.2013	168.69	852.75

1.8075	0.65	1.8075	0.36157	0.65	5.5474	0.2013	1.11	7.35
82.675	29.89	82.675	0.36157	29.89	114.4	0.2013	23.02	197.08
1906.538	689.34	1906.538	0.36157	689.34	3005.663	0.2013	605.03	4912.2
392.725	141.99	392.725	0.36157	141.99	532.8625	0.2013	107.26	925.59
16.3495	5.91	16.3495	0.36157	5.91	13.8237	0.2013	2.77	30.17
47.5875	17.2	47.5875	0.36157	17.2	96.1625	0.2013	19.35	143.75
244.8	88.51	244.8	0.36157	88.51	251.1875	0.2013	50.56	495.99
763.6	276.09	763.6	0.36157	276.09	819.2375	0.2013	164.91	1582.84
429.272	116.91	429.272	0.27236	116.91	0	0	0	429.27
27.5687	7.5	27.5687	0.27236	7.5	0	0	0	27.57
33.819	9.21	33.819	0.27236	9.21	0	0	0	33.82
31.071	8.46	31.071	0.27236	8.46	0	0	0	31.07
69.488	18.92	69.488	0.27236	18.92	0	0	0	69.49
42.221	11.5	42.221	0.27236	11.5	0	0	0	42.22
139.5781	38.01	139.5781	0.27236	38.01	0	0	0	139.58
363.9	99.11	363.9	0.27236	99.11	0	0	0	363.9
126.4	34.42	126.4	0.27236	34.42	0	0	0	126.4
8.771	2.39	8.771	0.27236	2.39	0	0	0	8.77
6466.135	1761.11	6466.135	0.27236	1761.11	0	0	0	6466.14
1151.146	313.52	1151.146	0.27236	313.52	0	0	0	1151.15
16.88	4.59	16.88	0.27236	4.59	0	0	0	16.88
740.7625	201.75	740.7625	0.27236	201.75	0	0	0	740.76
1486.14	389.22	1486.14	0.26191	389.22	0	0	0	1486.14
0.255	0.07	0.255	0.27236	0.07	0	0	0	0.26
0	0	0	0.27236	0	0	0	0	0
1268.617	345.51	1268.617	0.27236	345.51	0	0	0	1268.62
0.002	0	0.002	0.27236	0	0	0	0	0
516.478	140.66	516.478	0.27236	140.66	0	0	0	516.48
344.768	93.9	344.768	0.27236	93.9	0	0	0	344.77
10.847	3.92	10.847	0.36157	3.92	272.866	0.2013	54.92	283.71
0	0	0	0.36157	0	6.113	0.2013	1.22	6.11
0	0	0	0.36157	0	0	0.2013	0	0
42.101	11.02	42.101	0.52382	11.02	0	0	0	42.1
26.462	9.56	26.462	0.36157	9.56	125.645	0.2013	25.29	152.11
394.2875	142.56	394.2875	0.36157	142.56	1444.088	0.2013	290.69	1838.38
884.7	319.88	884.7	0.36157	319.88	1868.6	0.2013	376.15	2753.3
2453.84	553.61	2453.84	0.22561	553.61	2765.84	0.22561	624	5219.68
1146.24	414.44	1146.24	0.36157	414.44	1605.88	0.2013	323.26	2752.12
0	0	0	0.36157	0	0	0.2013	0	0
93.6	33.84	93.6	0.36157	33.84	292.08	0.2013	58.8	385.68
47.85	17.29	47.85	0.36157	17.29	68.8125	0.2013	13.85	116.66
34.053	9.27	34.053	0.27236	9.27	0	0	0	34.05
53.989	19.51	53.989	0.36157	19.51	112.875	0.2013	22.72	166.86
16.581	6	16.581	0.36157	6	20.996	0.2013	4.22	37.58
16.975	6.13	16.975	0.36157	6.13	232.241	0.2013	46.75	249.22
28.22	10.2	28.22	0.36157	10.2	99.154	0.2013	19.95	127.37
2865.56	1036.09	2865.56	0.36157	1036.09	3224.04	0.2013	648.99	6089.6

210.072	75.96	210.072	0.36157	75.96	395.263	0.2013	79.56	605.34
10.88	3.93	10.88	0.36157	3.93	138.04	0.2013	27.79	148.92
962.68	217.18	962.68	0.22561	217.18	1511.32	0.22561	340.97	2474
399.8	144.55	399.8	0.36157	144.55	614.125	0.2013	123.62	1013.93
328.523	89.47	328.523	0.27236	89.47	0	0	0	328.52
413.6914	112.66	413.6914	0.27236	112.66	0	0	0	413.69
1446.363	522.95	1446.363	0.36157	522.95	1303.913	0.2013	262.47	2750.27
90.1	32.57	90.1	0.36157	32.57	120.975	0.2013	24.34	211.08
646.272	233.66	646.272	0.36157	233.66	718.736	0.2013	144.67	1365.01
243.088	63.66	243.088	0.26191	63.66	0	0	0	243.09
667.253	174.76	667.253	0.26191	174.76	0	0	0	667.25
0	0	0	0.36157	0	0	0.2013	0	0
121.158	43.8	121.158	0.36157	43.8	283.99	0.2013	57.17	405.15
174.6375	63.14	174.6375	0.36157	63.14	149.675	0.2013	30.13	324.31
459.975	166.31	459.975	0.36157	166.31	251.4125	0.2013	50.6	711.39
154.05	41.95	154.05	0.27236	41.95	0	0	0	154.05
253.082	91.5	253.082	0.36157	91.5	201.79	0.2013	40.61	454.87
0.352	0.09	0.352	0.27236	0.09	0	0	0	0.35
617.753	168.25	617.753	0.27236	168.25	0	0	0	617.75
199.227	54.25	199.227	0.27236	54.25	0	0	0	199.23
1974.238	537.7	1974.238	0.27236	537.7	0	0	0	1974.24
291.5625	105.41	291.5625	0.36157	105.41	388.475	0.2013	78.2	680.04
281.2625	76.6	281.2625	0.27236	76.6	0	0	0	281.26
0	0	0	0.27236	0	0	0	0	0
26.423	9.55	26.423	0.36157	9.55	220.259	0.2013	44.33	246.68
323.36	116.91	323.36	0.36157	116.91	3305.08	0.2013	665.3	3628.44
19.3375	6.99	19.3375	0.36157	6.99	1370.375	0.2013	275.85	1389.71
0	0	0	0.27236	0	0	0	0	0
110.325	30.04	110.325	0.27236	30.04	0	0	0	110.33
512.505	185.31	512.505	0.36157	185.31	229.596	0.2013	46.21	742.1
118.1872	42.72	118.1872	0.36157	42.72	220.833	0.2013	44.45	339.02
1.125	0.29	1.125	0.26191	0.29	0	0	0	1.13
165.7875	59.94	165.7875	0.36157	59.94	67.0875	0.2013	13.5	232.88
5.268	1.9	5.268	0.36157	1.9	20.986	0.2013	4.22	26.25
171.55	46.72	171.55	0.27236	46.72	0	0	0	171.55
178.912	46.85	178.912	0.26191	46.85	0	0	0	178.91
28.798	7.84	28.798	0.27236	7.84	0	0	0	28.8
724.264	261.87	724.264	0.36157	261.87	633.661	0.2013	127.55	1357.93
23.075	8.34	23.075	0.36157	8.34	214.05	0.2013	43.09	237.13
4.775	1.72	4.775	0.36157	1.72	7.5625	0.2013	1.52	12.34
189.925	68.66	189.925	0.36157	68.66	670.0625	0.2013	134.88	859.99
30.284	8.24	30.284	0.27236	8.24	0	0	0	30.28
207.1875	74.91	207.1875	0.36157	74.91	235.9125	0.2013	47.49	443.1
527.523	190.73	527.523	0.36157	190.73	916.198	0.2013	184.43	1443.72
1869.588	675.98	1869.588	0.36157	675.98	1775.5	0.2013	357.4	3645.09
5.9565	2.15	5.9565	0.36157	2.15	114.9519	0.2013	23.13	120.91
0	0	0	0.27236	0	0	0	0	0

51.817	18.73	51.817	0.36157	18.73	311.352	0.2013	62.67	363.17
0	0	0	0.36157	0	0	0.2013	0	0
0	0	0	0.36157	0	64.616	0.2013	13	64.62
0	0	0	0.27236	0	0	0	0	0
0	0	0	0.36157	0	0	0.2013	0	0
180.7125	65.34	180.7125	0.36157	65.34	256.1125	0.2013	51.55	436.83
3.309	1.19	3.309	0.36157	1.19	495.938	0.2013	99.83	499.25
38.8625	14.05	38.8625	0.36157	14.05	819.225	0.2013	164.9	858.09
1.9632	0.7	1.9632	0.36157	0.7	5.1421	0.2013	1.03	7.11
107.825	38.98	107.825	0.36157	38.98	185.4	0.2013	37.31	293.23
1558.813	563.62	1558.813	0.36157	563.62	2439.163	0.2013	491	3997.98
153.95	55.66	153.95	0.36157	55.66	54.1	0.2013	10.89	208.05
4.9112	1.77	4.9112	0.36157	1.77	9.3125	0.2013	1.87	14.22
16.4	5.93	16.4	0.36157	5.93	31.5875	0.2013	6.36	47.99
315.65	114.13	315.65	0.36157	114.13	298.1125	0.2013	60.01	613.76
784.7125	283.72	784.7125	0.36157	283.72	822.05	0.2013	165.47	1606.76
486.105	132.39	486.105	0.27236	132.39	0	0	0	486.11
28.1126	7.66	28.1126	0.27236	7.66	0	0	0	28.11
33.405	9.1	33.405	0.27236	9.1	0	0	0	33.41
31.711	8.64	31.711	0.27236	8.64	0	0	0	31.71
66.55	18.12	66.55	0.27236	18.12	0	0	0	66.55
42.5228	11.57	42.5228	0.27236	11.57	0	0	0	42.52
134.7026	36.69	134.7026	0.27236	36.69	0	0	0	134.7
314.5875	85.68	314.5875	0.27236	85.68	0	0	0	314.59
50.04	13.62	50.04	0.27236	13.62	0	0	0	50.04
10.04	2.73	10.04	0.27236	2.73	0	0	0	10.04
29.984	8.16	29.984	0.27236	8.16	0	0	0	29.98
1051.796	286.46	1051.796	0.27236	286.46	0	0	0	1051.8
3.96	1.08	3.96	0.27236	1.08	0	0	0	3.96
725.875	197.69	725.875	0.27236	197.69	0	0	0	725.88
944.922	247.48	944.922	0.26191	247.48	0	0	0	944.92
0.196	0.04	0.196	0.27236	0.04	0	0	0	0.2
0.334	0.09	0.334	0.27236	0.09	0	0	0	0.33
1238.228	337.24	1238.228	0.27236	337.24	0	0	0	1238.23
0.168	0.04	0.168	0.27236	0.04	0	0	0	0.17
500.73	136.38	500.73	0.27236	136.38	0	0	0	500.73
348.668	94.96	348.668	0.27236	94.96	0	0	0	348.67
17.523	6.33	17.523	0.36157	6.33	270.618	0.2013	54.47	288.14
0.163	0.06	0.163	0.36157	0.06	6.297	0.2013	1.27	6.46
0	0	0	0.36157	0	0	0.2013	0	0
21.563	7.79	21.563	0.36157	7.79	129.508	0.2013	26.06	151.07
506.2375	183.04	506.2375	0.36157	183.04	1480	0.2013	297.92	1986.24
798.9	288.85	798.9	0.36157	288.85	1607.6	0.2013	323.61	2406.5
2510.24	566.34	2510.24	0.22561	566.34	2880.72	0.22561	649.91	5390.96
1686.16	609.66	1686.16	0.36157	609.66	2142.14	0.2013	431.21	3828.3
0	0	0	0.36157	0	0	0.2013	0	0
55.52	20.06	55.52	0.36157	20.06	69.52	0.2013	13.99	125.04

30.1375	10.89	30.1375	0.36157	10.89	81.175	0.2013	16.34	111.31
36.965	10.07	36.965	0.27236	10.07	0	0	0	36.97
53.81	19.45	53.81	0.36157	19.45	130.505	0.2013	26.27	184.32
17.018	6.15	17.018	0.36157	6.15	21.678	0.2013	4.36	38.7
27.106	9.79	27.106	0.36157	9.79	256.649	0.2013	51.66	283.76
29.27	10.58	29.27	0.36157	10.58	113.328	0.2013	22.8	142.6
1880.36	679.88	1880.36	0.36157	679.88	2437.4	0.2013	490.64	4317.76
186.487	67.42	186.487	0.36157	67.42	369.57	0.2013	74.39	556.06
128.88	46.6	128.88	0.36157	46.6	656.2	0.2013	132.09	785.08
1388.72	313.3	1388.72	0.22561	313.3	2159.12	0.22561	487.11	3547.84
465.719	168.39	465.719	0.36157	168.39	591.201	0.2013	119	1056.92
395.731	107.78	395.731	0.27236	107.78	0	0	0	395.73
377.2508	102.74	377.2508	0.27236	102.74	0	0	0	377.25
655.775	237.11	655.775	0.36157	237.11	815.4875	0.2013	164.15	1471.26
55.151	19.93	55.151	0.36157	19.93	188.406	0.2013	37.92	243.56
727.202	262.93	727.202	0.36157	262.93	810.378	0.2013	163.12	1537.58
244.423	64.01	244.423	0.26191	64.01	0	0	0	244.42
640.725	167.81	640.725	0.26191	167.81	0	0	0	640.73
0	0	0	0.36157	0	0	0.2013	0	0
99.532	35.98	99.532	0.36157	35.98	235.385	0.2013	47.38	334.92
173.75	62.82	173.75	0.36157	62.82	124.2375	0.2013	25	297.99
366.875	132.65	366.875	0.36157	132.65	276.575	0.2013	55.67	643.45
180.425	49.14	180.425	0.27236	49.14	0	0	0	180.43
218.282	78.91	218.282	0.36157	78.91	204.756	0.2013	41.22	423.04
0.381	0.1	0.381	0.27236	0.1	0	0	0	0.38
182.5	49.7	182.5	0.27236	49.7	0	0	0	182.5
166.436	45.32	166.436	0.27236	45.32	0	0	0	166.44
1539.15	419.2	1539.15	0.27236	419.2	0	0	0	1539.15
260.8	94.29	260.8	0.36157	94.29	417.0125	0.2013	83.94	677.81
253.2375	68.97	253.2375	0.27236	68.97	0	0	0	253.24
0	0	0	0.27236	0	0	0	0	0
33.989	12.29	33.989	0.36157	12.29	238.138	0.2013	47.93	272.13
414.8	149.97	414.8	0.36157	149.97	2865.16	0.2013	576.75	3279.96
249.2375	90.11	249.2375	0.36157	90.11	338.4375	0.2013	68.12	587.67
0	0	0	0.27236	0	0	0	0	0
133.275	36.29	133.275	0.27236	36.29	0	0	0	133.28
447.027	161.62	447.027	0.36157	161.62	273.274	0.2013	55	720.3
121.0369	43.76	121.0369	0.36157	43.76	236.7313	0.2013	47.65	357.77
0.802	0.21	0.802	0.26191	0.21	0	0	0	0.8
2.15	0.77	2.15	0.36157	0.77	59.5	0.2013	11.97	61.65
5.679	2.05	5.679	0.36157	2.05	23.462	0.2013	4.72	29.14
191.7875	52.23	191.7875	0.27236	52.23	0	0	0	191.79
110.303	28.89	110.303	0.26191	28.89	0	0	0	110.3
28.564	7.78	28.564	0.27236	7.78	0	0	0	28.56
508.801	183.96	508.801	0.36157	183.96	499.512	0.2013	100.55	1008.31
32.0875	11.59	32.0875	0.36157	11.59	227.6375	0.2013	45.82	259.72
8.125	2.94	8.125	0.36157	2.94	8.7	0.2013	1.75	16.83

277.3875	100.29	277.3875	0.36157	100.29	762.25	0.2013	153.44	1039.64
38.09	10.37	38.09	0.27236	10.37	0	0	0	38.09
159.8	57.77	159.8	0.36157	57.77	253.65	0.2013	51.05	413.45
431.782	156.11	431.782	0.36157	156.11	789.231	0.2013	158.86	1221.01
1903.45	688.23	1903.45	0.36157	688.23	2082.538	0.2013	419.21	3985.99
7.6389	2.76	7.6389	0.36157	2.76	120.749	0.2013	24.3	128.39
0	0	0	0.27236	0	0	0	0	0
60.958	22.03	60.958	0.36157	22.03	336.464	0.2013	67.73	397.42
0	0	0	0.36157	0	0.341	0.2013	0.07	0.34
0	0	0	0.36157	0	150.471	0.2013	30.28	150.47
0	0	0	0.27236	0	0	0	0	0
0	0	0	0.36157	0	0	0.2013	0	0
171.425	61.97	171.425	0.36157	61.97	273.8375	0.2013	55.12	445.26
2.818	1.01	2.818	0.36157	1.01	664.558	0.2013	133.77	667.38
72.675	26.27	72.675	0.36157	26.27	900.4875	0.2013	181.26	973.16
2.2934	0.83	2.2934	0.36157	0.83	5.8762	0.2013	1.18	8.17
59.6	21.55	59.6	0.36157	21.55	101.875	0.2013	20.5	161.48
1333.688	482.22	1333.688	0.36157	482.22	2230.738	0.2013	449.04	3564.43
256.3625	92.69	256.3625	0.36157	92.69	249.9875	0.2013	50.31	506.35
7.1181	2.56	7.1181	0.36157	2.56	10.7123	0.2013	2.16	17.83
28.0125	10.12	28.0125	0.36157	10.12	29.525	0.2013	5.94	57.54
261.8125	94.66	261.8125	0.36157	94.66	294.6875	0.2013	59.31	556.5
783.5	283.28	783.5	0.36157	283.28	980.825	0.2013	197.44	1764.33
413.692	112.67	413.692	0.27236	112.67	0	0	0	413.69
32.1856	8.76	32.1856	0.27236	8.76	0	0	0	32.19
35.842	9.76	35.842	0.27236	9.76	0	0	0	35.84
35.996	9.8	35.996	0.27236	9.8	0	0	0	36
66.609	18.14	66.609	0.27236	18.14	0	0	0	66.61
47.8824	13.04	47.8824	0.27236	13.04	0	0	0	47.88
137.8779	37.54	137.8779	0.27236	37.54	0	0	0	137.88
309.15	84.19	309.15	0.27236	84.19	0	0	0	309.15
83.36	22.69	83.36	0.27236	22.69	0	0	0	83.36
11.373	3.09	11.373	0.27236	3.09	0	0	0	11.37
32.448	8.83	32.448	0.27236	8.83	0	0	0	32.45
1079.789	294.09	1079.789	0.27236	294.09	0	0	0	1079.79
0	0	0	0.27236	0	0	0	0	0
791.575	215.59	791.575	0.27236	215.59	0	0	0	791.58
759.194	198.84	759.194	0.26191	198.84	0	0	0	759.19
0.171	0.04	0.171	0.27236	0.04	0	0	0	0.17
0	0	0	0.27236	0	0	0	0	0
1367.538	372.46	1367.538	0.27236	372.46	0	0	0	1367.54
0	0	0	0.27236	0	0	0	0	0
550.598	149.95	550.598	0.27236	149.95	0	0	0	550.6
394.668	107.48	394.668	0.27236	107.48	0	0	0	394.67
27.607	9.98	27.607	0.36157	9.98	295.915	0.2013	59.57	323.52
0.631	0.22	0.631	0.36157	0.22	6.693	0.2013	1.34	7.32
0	0	0	0.36157	0	0	0.2013	0	0

501.429	131.33	501.429	0.26191	131.33	0	0	0	501.43
26.919	9.72	26.919	0.36157	9.72	129.812	0.2013	26.13	156.73
1073.763	388.23	1073.763	0.36157	388.23	1743.113	0.2013	350.88	2816.88
865.1	312.79	865.1	0.36157	312.79	1553.5	0.2013	312.72	2418.6
2697.68	608.62	2697.68	0.22561	608.62	2870.08	0.22561	647.52	5567.76
1024.9	370.57	1024.9	0.36157	370.57	1302.2	0.2013	262.13	2327.1
0	0	0	0.36157	0	0	0.2013	0	0
75	27.12	75	0.36157	27.12	110.6	0.2013	22.25	185.6
20.9625	7.58	20.9625	0.36157	7.58	43.2125	0.2013	8.69	64.18
40.373	10.99	40.373	0.27236	10.99	0	0	0	40.37
58.626	21.2	58.626	0.36157	21.2	126.976	0.2013	25.55	185.6
24.151	8.72	24.151	0.36157	8.72	34.329	0.2013	6.91	58.48
45.919	16.6	45.919	0.36157	16.6	241.579	0.2013	48.62	287.5
34.824	12.58	34.824	0.36157	12.58	111.556	0.2013	22.45	146.38
3343.08	1208.76	3343.08	0.36157	1208.76	3545.24	0.2013	713.65	6888.32
172.698	62.44	172.698	0.36157	62.44	325.023	0.2013	65.42	497.72
43.24	15.63	43.24	0.36157	15.63	168.88	0.2013	33.99	212.12
2136.56	482.02	2136.56	0.22561	482.02	2647	0.22561	597.18	4783.56
952.543	344.41	952.543	0.36157	344.41	737.007	0.2013	148.36	1689.55
385.097	104.89	385.097	0.27236	104.89	0	0	0	385.1
417.1341	113.61	417.1341	0.27236	113.61	0	0	0	417.13
160.1375	57.89	160.1375	0.36157	57.89	648.6625	0.2013	130.57	808.8
87.797	31.74	87.797	0.36157	31.74	219.494	0.2013	44.18	307.29
624.946	225.95	624.946	0.36157	225.95	767.733	0.2013	154.54	1392.68
388.366	101.71	388.366	0.26191	101.71	0	0	0	388.37
729.692	191.1	729.692	0.26191	191.1	0	0	0	729.69
0	0	0	0.36157	0	0	0.2013	0	0
160.114	57.88	160.114	0.36157	57.88	352.065	0.2013	70.86	512.18
1.3	0.46	1.3	0.36157	0.46	3.2	0.2013	0.64	4.5
544.2	196.76	544.2	0.36157	196.76	303.55	0.2013	61.09	847.75
157.7125	42.94	157.7125	0.27236	42.94	0	0	0	157.71
282.827	102.26	282.827	0.36157	102.26	206.961	0.2013	41.66	489.79
4.891	1.33	4.891	0.27236	1.33	0	0	0	4.89
31.854	8.67	31.854	0.27236	8.67	0	0	0	31.85
289.606	78.87	289.606	0.27236	78.87	0	0	0	289.61
98.975	26.95	98.975	0.27236	26.95	0	0	0	98.98
368.8125	133.34	368.8125	0.36157	133.34	550.4375	0.2013	110.8	919.25
352.7	96.05	352.7	0.27236	96.05	0	0	0	352.7
0	0	0	0.27236	0	0	0	0	0
52.565	19	52.565	0.36157	19	239.216	0.2013	48.15	291.78
1154.16	417.31	1154.16	0.36157	417.31	2160.52	0.2013	434.91	3314.68
40.2625	14.55	40.2625	0.36157	14.55	20.325	0.2013	4.08	60.59
0	0	0	0.27236	0	0	0	0	0
169.525	46.17	169.525	0.27236	46.17	0	0	0	169.53
449.459	162.5	449.459	0.36157	162.5	247.587	0.2013	49.83	697.05
118.7938	42.94	118.7938	0.36157	42.94	214.2973	0.2013	43.13	333.09
12.599	3.29	12.599	0.26191	3.29	0	0	0	12.6

22.725	8.21	22.725	0.36157	8.21	76.4875	0.2013	15.39	99.21
7.599	2.74	7.599	0.36157	2.74	24.872	0.2013	5.01	32.47
340	92.6	340	0.27236	92.6	0	0	0	340
102.634	26.87	102.634	0.26191	26.87	0	0	0	102.63
29.402	8	29.402	0.27236	8	0	0	0	29.4
620.004	224.17	620.004	0.36157	224.17	592.11	0.2013	119.19	1212.11
51.0125	18.44	51.0125	0.36157	18.44	231.225	0.2013	46.54	282.24
11.4625	4.14	11.4625	0.36157	4.14	7.2	0.2013	1.44	18.66
443.8125	160.47	443.8125	0.36157	160.47	704.1125	0.2013	141.74	1147.93
29.392	8	29.392	0.27236	8	0	0	0	29.39
235.8375	85.26	235.8375	0.36157	85.26	277.575	0.2013	55.87	513.41
425.822	153.96	425.822	0.36157	153.96	713.029	0.2013	143.53	1138.85
2438.138	881.55	2438.138	0.36157	881.55	2218.363	0.2013	446.56	4656.5
18.034	6.51	18.034	0.36157	6.51	122.9839	0.2013	24.75	141.02
0	0	0	0.27236	0	0	0	0	0
91.164	32.96	91.164	0.36157	32.96	363.927	0.2013	73.25	455.09
0	0	0	0.36157	0	0.124	0.2013	0.02	0.12
0	0	0	0.36157	0	144.149	0.2013	29.01	144.15
0	0	0	0.27236	0	0	0	0	0
0	0	0	0.36157	0	0	0.2013	0	0
202.75	73.3	202.75	0.36157	73.3	263.275	0.2013	52.99	466.03
0	0	0	0.36157	0	0	0.2013	0	0
160.9875	58.2	160.9875	0.36157	58.2	912.5	0.2013	183.68	1073.49
2.7608	0.99	2.7608	0.36157	0.99	5.6206	0.2013	1.12	8.38
65.725	23.76	65.725	0.36157	23.76	88.875	0.2013	17.89	154.6
1276.363	461.49	1276.363	0.36157	461.49	1894	0.2013	381.26	3170.36
7.05	2.54	7.05	0.36157	2.54	0.8375	0.2013	0.17	7.89
4.6932	1.69	4.6932	0.36157	1.69	9.7197	0.2013	1.95	14.41
9.65	3.49	9.65	0.36157	3.49	39.1125	0.2013	7.87	48.76
340.475	123.1	340.475	0.36157	123.1	287.3875	0.2013	57.85	627.86
869.9125	314.53	869.9125	0.36157	314.53	1153.413	0.2013	232.18	2023.32
509.481	138.75	509.481	0.27236	138.75	0	0	0	509.48
35.3031	9.61	35.3031	0.27236	9.61	0	0	0	35.3
36.538	9.94	36.538	0.27236	9.94	0	0	0	36.54
39.181	10.67	39.181	0.27236	10.67	0	0	0	39.18
68.794	18.73	68.794	0.27236	18.73	0	0	0	68.79
51.3218	13.97	51.3218	0.27236	13.97	0	0	0	51.32
131.7928	35.89	131.7928	0.27236	35.89	0	0	0	131.79
302.6	82.41	302.6	0.27236	82.41	0	0	0	302.6
39.68	10.8	39.68	0.27236	10.8	0	0	0	39.68
13.533	3.69	13.533	0.27236	3.69	0	0	0	13.53
74.819	20.37	74.819	0.27236	20.37	0	0	0	74.82
1164.724	317.22	1164.724	0.27236	317.22	0	0	0	1164.72
0.16	0.03	0.16	0.27236	0.03	0	0	0	0.16
863.175	235.09	863.175	0.27236	235.09	0	0	0	863.18
404.326	105.9	404.326	0.26191	105.9	0	0	0	404.33
0.299	0.08	0.299	0.27236	0.08	0	0	0	0.3

0.099	0.02	0.099	0.27236	0.02	0	0	0	0.1
1491.703	406.27	1491.703	0.27236	406.27	0	0	0	1491.7
0.019	0	0.019	0.27236	0	0	0	0	0.02
600.938	163.67	600.938	0.27236	163.67	0	0	0	600.94
429.316	116.92	429.316	0.27236	116.92	0	0	0	429.32
54.34	19.65	54.34	0.36157	19.65	296.647	0.2013	59.71	350.99
2.158	0.77	2.158	0.36157	0.77	5.269	0.2013	1.06	7.43
0	0	0	0.36157	0	0	0.2013	0	0
0	0	0	0.27236	0	0	0	0	0
88.184	31.88	88.184	0.36157	31.88	244.477	0.2013	49.2	332.66
2321.675	839.44	2321.675	0.36157	839.44	2532.1	0.2013	509.71	4853.77
785.2	283.9	785.2	0.36157	283.9	1900.4	0.2013	382.55	2685.6
2515.36	567.49	2515.36	0.22561	567.49	3082.64	0.22561	695.46	5598
1469.8	531.43	1469.8	0.36157	531.43	1716	0.2013	345.42	3185.8
0	0	0	0.36157	0	0	0.2013	0	0
78.04	28.22	78.04	0.36157	28.22	180.4	0.2013	36.31	258.44
27.8125	10.05	27.8125	0.36157	10.05	47.075	0.2013	9.47	74.89
46.138	12.56	46.138	0.27236	12.56	0	0	0	46.14
60.166	21.75	60.166	0.36157	21.75	131.951	0.2013	26.55	192.12
25.43	9.19	25.43	0.36157	9.19	23.924	0.2013	4.81	49.35
61.198	22.12	61.198	0.36157	22.12	274.049	0.2013	55.17	335.25
37.919	13.71	37.919	0.36157	13.71	121.609	0.2013	24.48	159.53
4573.52	1653.64	4573.52	0.36157	1653.64	4535.96	0.2013	913.09	9109.48
220.314	79.65	220.314	0.36157	79.65	468.524	0.2013	94.3	688.84
49.6	17.93	49.6	0.36157	17.93	187.96	0.2013	37.83	237.56
2454.84	553.83	2454.84	0.22561	553.83	3200.88	0.22561	722.15	5655.72
1278.681	462.33	1278.681	0.36157	462.33	874.881	0.2013	176.11	2153.56
481.751	131.21	481.751	0.27236	131.21	0	0	0	481.75
578.5607	157.58	578.5607	0.27236	157.58	0	0	0	578.56
183	66.17	183	0.36157	66.17	697.05	0.2013	140.32	880.05
68.588	24.79	68.588	0.36157	24.79	186.021	0.2013	37.44	254.61
364.653	131.85	364.653	0.36157	131.85	710.904	0.2013	143.1	1075.56
416.67	109.12	416.67	0.26191	109.12	0	0	0	416.67
740.111	193.84	740.111	0.26191	193.84	0	0	0	740.11
0	0	0	0.36157	0	0	0.2013	0	0
117.27	42.39	117.27	0.36157	42.39	291.246	0.2013	58.62	408.52
1.3625	0.48	1.3625	0.36157	0.48	3.35	0.2013	0.67	4.71
669.4125	242.03	669.4125	0.36157	242.03	363.05	0.2013	73.07	1032.46
187.1375	50.96	187.1375	0.27236	50.96	0	0	0	187.14
466.034	168.5	466.034	0.36157	168.5	285.671	0.2013	57.5	751.71
42.391	11.54	42.391	0.27236	11.54	0	0	0	42.39
73.886	20.12	73.886	0.27236	20.12	0	0	0	73.89
383.865	104.54	383.865	0.27236	104.54	0	0	0	383.87
24.525	6.68	24.525	0.27236	6.68	0	0	0	24.53
300.6	108.68	300.6	0.36157	108.68	466.175	0.2013	93.84	766.78
455.2125	123.98	455.2125	0.27236	123.98	0	0	0	455.21
0	0	0	0.27236	0	0	0	0	0

61.063	22.08	61.063	0.36157	22.08	266.964	0.2013	53.74	328.03
3633.12	1313.62	3633.12	0.36157	1313.62	2448.28	0.2013	492.83	6081.4
9.0375	3.27	9.0375	0.36157	3.27	17.6625	0.2013	3.55	26.7
0.006	0	0.006	0.27236	0	0	0	0	0.01
278.55	75.86	278.55	0.27236	75.86	0	0	0	278.55
742.48	268.46	742.48	0.36157	268.46	292.607	0.2013	58.89	1035.09
124.2315	44.91	124.2315	0.36157	44.91	237.1626	0.2013	47.74	361.39
13.004	3.4	13.004	0.26191	3.4	0	0	0	13
7.5	2.71	7.5	0.36157	2.71	50.6875	0.2013	10.2	58.19
7.656	2.76	7.656	0.36157	2.76	26.054	0.2013	5.24	33.71
305.3125	83.15	305.3125	0.27236	83.15	0	0	0	305.31
59.957	15.7	59.957	0.26191	15.7	0	0	0	59.96
33.408	9.1	33.408	0.27236	9.1	0	0	0	33.41
628.175	227.13	628.175	0.36157	227.13	600.952	0.2013	120.97	1229.13
58.65	21.2	58.65	0.36157	21.2	256.325	0.2013	51.59	314.97
10.9	3.94	10.9	0.36157	3.94	6.7375	0.2013	1.35	17.64
407.1125	147.19	407.1125	0.36157	147.19	740.8	0.2013	149.12	1147.91
39.177	10.67	39.177	0.27236	10.67	0	0	0	39.18
319.075	115.36	319.075	0.36157	115.36	308.375	0.2013	62.07	627.45
401.258	145.08	401.258	0.36157	145.08	846.172	0.2013	170.32	1247.43
2601.275	940.53	2601.275	0.36157	940.53	2221.413	0.2013	447.16	4822.69
23.8008	8.6	23.8008	0.36157	8.6	135.15	0.2013	27.2	158.95
0	0	0	0.27236	0	0	0	0	0
107.965	39.03	107.965	0.36157	39.03	427.831	0.2013	86.12	535.8
1.458	0.52	1.458	0.36157	0.52	0.269	0.2013	0.04	1.73
0	0	0	0.36157	0	115.394	0.2013	23.22	115.39
0	0	0	0.27236	0	0	0	0	0
0	0	0	0.36157	0	0	0.2013	0	0
166.0125	60.02	166.0125	0.36157	60.02	270.1625	0.2013	54.37	436.18
0	0	0	0.36157	0	0	0.2013	0	0
198.775	71.86	198.775	0.36157	71.86	1032.525	0.2013	207.85	1231.3
3.5336	1.28	3.5336	0.36157	1.28	6.7487	0.2013	1.35	10.28
62.6125	22.64	62.6125	0.36157	22.64	102.6	0.2013	20.65	165.21
1352.938	489.18	1352.938	0.36157	489.18	2101.313	0.2013	422.99	3454.25
47.25	17.08	47.25	0.36157	17.08	0.8375	0.2013	0.17	48.09
3.8625	1.39	3.8625	0.36157	1.39	14.1064	0.2013	2.84	17.97
10.075	3.64	10.075	0.36157	3.64	41.55	0.2013	8.36	51.63
394.325	142.57	394.325	0.36157	142.57	329.0625	0.2013	66.23	723.39
848.2625	306.7	848.2625	0.36157	306.7	1187.325	0.2013	239.01	2035.59
685.362	186.66	685.362	0.27236	186.66	0	0	0	685.36
40.3647	10.99	40.3647	0.27236	10.99	0	0	0	40.36
39.47	10.75	39.47	0.27236	10.75	0	0	0	39.47
44.51	12.12	44.51	0.27236	12.12	0	0	0	44.51
70.248	19.13	70.248	0.27236	19.13	0	0	0	70.25
57.7128	15.71	57.7128	0.27236	15.71	0	0	0	57.71
134.6989	36.69	134.6989	0.27236	36.69	0	0	0	134.7
313.2875	85.32	313.2875	0.27236	85.32	0	0	0	313.29

13.28	3.61	13.28	0.27236	3.61	0	0	0	13.28
15.04	4.09	15.04	0.27236	4.09	0	0	0	15.04
61.917	16.86	61.917	0.27236	16.86	0	0	0	61.92
1316.866	358.66	1316.866	0.27236	358.66	0	0	0	1316.87
0	0	0	0.27236	0	0	0	0	0
978.5125	266.5	978.5125	0.27236	266.5	0	0	0	978.51
258.113	67.6	258.113	0.26191	67.6	0	0	0	258.11
0.415	0.11	0.415	0.27236	0.11	0	0	0	0.42
0.001	0	0.001	0.27236	0	0	0	0	0
1702.355	463.65	1702.355	0.27236	463.65	0	0	0	1702.36
0	0	0	0.27236	0	0	0	0	0
683.871	186.25	683.871	0.27236	186.25	0	0	0	683.87
488.155	132.95	488.155	0.27236	132.95	0	0	0	488.16
65.794	23.78	65.794	0.36157	23.78	330.833	0.2013	66.59	396.63
2.392	0.86	2.392	0.36157	0.86	5.52	0.2013	1.11	7.91
0	0	0	0.36157	0	0	0.2013	0	0
48.584	17.56	48.584	0.36157	17.56	165.569	0.2013	33.32	214.15
3269.088	1181.99	3269.088	0.36157	1181.99	2960.575	0.2013	595.96	6229.66
1224.8	442.85	1224.8	0.36157	442.85	1926.1	0.2013	387.72	3150.9
2608	588.39	2608	0.22561	588.39	2700.48	0.22561	609.25	5308.48
1887.1	682.31	1887.1	0.36157	682.31	1709.2	0.2013	344.06	3596.3
0	0	0	0.36157	0	0	0.2013	0	0
60.08	21.71	60.08	0.36157	21.71	342.52	0.2013	68.95	402.6
12.7	4.59	12.7	0.36157	4.59	24.8375	0.2013	4.99	37.54
49.147	13.38	49.147	0.27236	13.38	0	0	0	49.15
68.055	24.6	68.055	0.36157	24.6	128.699	0.2013	25.91	196.75
30.049	10.86	30.049	0.36157	10.86	28.008	0.2013	5.63	58.06
72.192	26.09	72.192	0.36157	26.09	267.445	0.2013	53.83	339.64
44.971	16.26	44.971	0.36157	16.26	107.022	0.2013	21.54	151.99
5420.8	1959.99	5420.8	0.36157	1959.99	4044.04	0.2013	814.06	9464.84
247.017	89.31	247.017	0.36157	89.31	415.976	0.2013	83.73	662.99
58.84	21.27	58.84	0.36157	21.27	191.56	0.2013	38.56	250.4
3774.6	851.59	3774.6	0.22561	851.59	4005	0.22561	903.56	7779.6
1855.187	670.77	1855.187	0.36157	670.77	989.733	0.2013	199.23	2844.92
682.769	185.96	682.769	0.27236	185.96	0	0	0	682.77
564.2483	153.67	564.2483	0.27236	153.67	0	0	0	564.25
251.5625	90.95	251.5625	0.36157	90.95	651.8	0.2013	131.2	903.36
66.027	23.87	66.027	0.36157	23.87	78.585	0.2013	15.82	144.61
388.28	140.38	388.28	0.36157	140.38	540.017	0.2013	108.7	928.3
565.672	148.15	565.672	0.26191	148.15	0	0	0	565.67
833.705	218.35	833.705	0.26191	218.35	0	0	0	833.71
0	0	0	0.36157	0	0	0.2013	0	0
138.152	49.95	138.152	0.36157	49.95	264.381	0.2013	53.22	402.53
1.6125	0.58	1.6125	0.36157	0.58	3.0125	0.2013	0.61	4.63
941.7125	340.49	941.7125	0.36157	340.49	435.575	0.2013	87.68	1377.29
175.975	47.93	175.975	0.27236	47.93	0	0	0	175.98
573.414	207.33	573.414	0.36157	207.33	302.293	0.2013	60.84	875.71

43.249	11.77	43.249	0.27236	11.77	0	0	0	43.25
80.165	21.82	80.165	0.27236	21.82	0	0	0	80.17
542.61	147.79	542.61	0.27236	147.79	0	0	0	542.61
27.1875	7.4	27.1875	0.27236	7.4	0	0	0	27.19
411.675	148.84	411.675	0.36157	148.84	515.2375	0.2013	103.71	926.91
629.6375	171.48	629.6375	0.27236	171.48	0	0	0	629.64
0	0	0	0.27236	0	0	0	0	0
72.29	26.14	72.29	0.36157	26.14	272.67	0.2013	54.88	344.96
4960.04	1793.4	4960.04	0.36157	1793.4	3074.24	0.2013	618.84	8034.28
9.4375	3.41	9.4375	0.36157	3.41	16.475	0.2013	3.31	25.91
0	0	0	0.27236	0	0	0	0	0
371.925	101.29	371.925	0.27236	101.29	0	0	0	371.93
868.625	314.06	868.625	0.36157	314.06	350.134	0.2013	70.48	1218.76
126.738	45.82	126.738	0.36157	45.82	209.9049	0.2013	42.25	336.64
7.671	2	7.671	0.26191	2	0	0	0	7.67
102.975	37.22	102.975	0.36157	37.22	45.2	0.2013	9.1	148.18
9.525	3.44	9.525	0.36157	3.44	27.886	0.2013	5.61	37.41
346.9375	94.49	346.9375	0.27236	94.49	0	0	0	346.94
733.319	192.06	733.319	0.26191	192.06	0	0	0	733.32
32.941	8.97	32.941	0.27236	8.97	0	0	0	32.94
789.473	285.44	789.473	0.36157	285.44	547.981	0.2013	110.31	1337.45
72.425	26.18	72.425	0.36157	26.18	268.8625	0.2013	54.12	341.29
9.425	3.4	9.425	0.36157	3.4	7.3	0.2013	1.46	16.73
687.7625	248.67	687.7625	0.36157	248.67	722.225	0.2013	145.38	1409.99
38.469	10.47	38.469	0.27236	10.47	0	0	0	38.47
346.7375	125.37	346.7375	0.36157	125.37	324.15	0.2013	65.24	670.89
533.593	192.93	533.593	0.36157	192.93	878.077	0.2013	176.75	1411.67
3279.663	1185.82	3279.663	0.36157	1185.82	2431.45	0.2013	489.45	5711.11
23.6641	8.55	23.6641	0.36157	8.55	124.7979	0.2013	25.11	148.46
11.356	3.09	11.356	0.27236	3.09	0	0	0	11.36
118.532	42.86	118.532	0.36157	42.86	406.204	0.2013	81.76	524.74
0	0	0	0.36157	0	0	0.2013	0	0
0	0	0	0.36157	0	123.3	0.2013	24.82	123.3
0.216	0.06	0.216	0.27236	0.06	0	0	0	0.22
0	0	0	0.36157	0	0	0.2013	0	0
228.4	82.58	228.4	0.36157	82.58	274.4375	0.2013	55.24	502.84
0	0	0	0.36157	0	0	0.2013	0	0
246.5375	89.13	246.5375	0.36157	89.13	1076.288	0.2013	216.66	1322.82
3.3711	1.21	3.3711	0.36157	1.21	6.2039	0.2013	1.24	9.57
69.4625	25.11	69.4625	0.36157	25.11	89.825	0.2013	18.07	159.29
1571.638	568.25	1571.638	0.36157	568.25	2104.175	0.2013	423.57	3675.81
45.525	16.46	45.525	0.36157	16.46	0	0.2013	0	45.53
4.4049	1.58	4.4049	0.36157	1.58	12.4458	0.2013	2.5	16.85
9.475	3.42	9.475	0.36157	3.42	20.6125	0.2013	4.15	30.09
557.325	201.51	557.325	0.36157	201.51	308.7375	0.2013	62.14	866.06
937.2	338.86	937.2	0.36157	338.86	1146.85	0.2013	230.86	2084.05
524.217	142.77	524.217	0.27236	142.77	0	0	0	524.22

43.6444	11.88	43.6444	0.27236	11.88	0	0	0	43.64
40.965	11.15	40.965	0.27236	11.15	0	0	0	40.97
48.214	13.12	48.214	0.27236	13.12	0	0	0	48.21
69.842	19.02	69.842	0.27236	19.02	0	0	0	69.84
61.7629	16.82	61.7629	0.27236	16.82	0	0	0	61.76
132.8823	36.19	132.8823	0.27236	36.19	0	0	0	132.88
316.7	86.25	316.7	0.27236	86.25	0	0	0	316.7
56.28	15.32	56.28	0.27236	15.32	0	0	0	56.28
15.65	4.26	15.65	0.27236	4.26	0	0	0	15.65
43.41	11.81	43.41	0.27236	11.81	0	0	0	43.41
1513.73	412.27	1513.73	0.27236	412.27	0	0	0	1513.73
0	0	0	0.27236	0	0	0	0	0
1053.075	286.81	1053.075	0.27236	286.81	0	0	0	1053.08
77.178	20.21	77.178	0.26191	20.21	0	0	0	77.18
0.301	0.08	0.301	0.27236	0.08	0	0	0	0.3
0	0	0	0.27236	0	0	0	0	0
1867.607	508.65	1867.607	0.27236	508.65	0	0	0	1867.61
0	0	0	0.27236	0	0	0	0	0
739.249	201.33	739.249	0.27236	201.33	0	0	0	739.25
533.106	145.19	533.106	0.27236	145.19	0	0	0	533.11
81.27	29.38	81.27	0.36157	29.38	345.614	0.2013	69.56	426.88
4.007	1.44	4.007	0.36157	1.44	7.29	0.2013	1.46	11.3
0	0	0	0.36157	0	0	0.2013	0	0
431.486	110.97	431.486	0.51128	110.97	0	0	0	431.48
42.395	14.87	42.395	0.70653	14.87	151.067	0.39688	29.72	193.46
3061.125	1071.09	3061.125	0.70653	1071.09	2964.738	0.39688	584.74	6025.87
1193.1	418.53	1193.1	0.70653	418.53	2066.3	0.39688	407.57	3259.4
2409.68	534.82	2409.68	0.44572	534.82	2678.32	0.44572	593.4	5088
1880.4	658.93	1880.4	0.70653	658.93	1918.9	0.39688	378.29	3799.3
0	0	0	0.70653	0	0	0.39688	0	0
36.16	12.64	36.16	0.70653	12.64	102.76	0.39688	20.18	138.92
12.95	4.53	12.95	0.70653	4.53	33.55	0.39688	6.59	46.5
49.014	12.94	49.014	0.53317	12.94	0	0	0	49.01
65.308	22.89	65.308	0.70653	22.89	141.393	0.39688	27.86	206.71
35.91	12.56	35.91	0.70653	12.56	34.761	0.39688	6.84	70.68
63.796	22.37	63.796	0.70653	22.37	280.106	0.39688	55.28	343.9
35.694	12.5	35.694	0.70653	12.5	104.286	0.39688	20.56	139.98
4879.28	1711.14	4879.28	0.70653	1711.14	3864.6	0.39688	761.99	8743.88
273.477	95.79	273.477	0.70653	95.79	536.275	0.39688	105.66	809.76
56.8	19.88	56.8	0.70653	19.88	190.48	0.39688	37.56	247.28
3338.76	741.4	3338.76	0.44572	741.4	3530.84	0.44572	782.79	6869.6
1768.263	618.63	1768.263	0.70653	618.63	1061.438	0.39688	208.92	2829.7
494.449	129.6	494.449	0.53317	129.6	0	0	0	494.45
613.5854	161.72	613.5854	0.53317	161.72	0	0	0	613.58
225.075	78.86	225.075	0.70653	78.86	682.5125	0.39688	134.67	907.59
46.97	16.44	46.97	0.70653	16.44	111.926	0.39688	22.03	158.89
334.281	117.38	334.281	0.70653	117.38	504.797	0.39688	99.62	839.08

506.95	128.29	506.95	0.51128	128.29	0	0	0	506.96
800.1	202.57	800.1	0.51128	202.57	0	0	0	800.1
0	0	0	0.70653	0	0	0.39688	0	0
0	0	0	0.53317	0	0	0	0	0
121.743	42.61	121.743	0.70653	42.61	263.634	0.39688	51.97	385.37
1.6375	0.57	1.6375	0.70653	0.57	3.175	0.39688	0.62	4.81
928.275	325.19	928.275	0.70653	325.19	439.825	0.39688	86.81	1368.1
192.7875	50.92	192.7875	0.53317	50.92	0	0	0	192.79
440.584	152.33	440.584	0.70653	152.33	255.903	0.39688	50.34	696.49
214.469	56.07	214.469	0.53317	56.07	0	0	0	214.47
12.948	3.42	12.948	0.53317	3.42	0	0	0	12.95
487.636	127.66	487.636	0.53317	127.66	0	0	0	487.63
184.5625	49.01	184.5625	0.53317	49.01	0	0	0	184.57
274.625	96.24	274.625	0.70653	96.24	374.925	0.39688	74.1	649.55
515.325	135.69	515.325	0.53317	135.69	0	0	0	515.33
0	0	0	0.53317	0	0	0	0	0
70.641	24.74	70.641	0.70653	24.74	276.1	0.39688	54.44	346.74
5523.92	1929.63	5523.92	0.70653	1929.63	4083.64	0.39688	805.5	9607.56
8.5875	3	8.5875	0.70653	3	16.4875	0.39688	3.24	25.08
0	0	0	0.53317	0	0	0	0	0
259.9	68.14	259.9	0.53317	68.14	0	0	0	259.9
634.934	219.42	634.934	0.70653	219.42	300.343	0.39688	59.08	935.28
120.9814	42.39	120.9814	0.70653	42.39	219.2715	0.39688	43.24	340.26
2.601	0.65	2.601	0.51128	0.65	0	0	0	2.6
9.2875	3.25	9.2875	0.70653	3.25	44.5375	0.39688	8.78	53.82
8.527	2.97	8.527	0.70653	2.97	26.518	0.39688	5.23	35.04
407.375	107.74	407.375	0.53317	107.74	0	0	0	407.38
634.866	161.83	634.866	0.51128	161.83	0	0	0	634.87
31.396	8.31	31.396	0.53317	8.31	0	0	0	31.39
767.479	269.41	767.479	0.70653	269.41	618.822	0.39688	122.02	1386.3
68.0625	23.84	68.0625	0.70653	23.84	265.175	0.39688	52.3	333.24
7.8125	2.73	7.8125	0.70653	2.73	4.125	0.39688	0.8	11.94
712.625	249.24	712.625	0.70653	249.24	876.7	0.39688	172.6	1589.32
31.168	8.19	31.168	0.53317	8.19	0	0	0	31.17
327.375	114.04	327.375	0.70653	114.04	326.0625	0.39688	64.24	653.44
457.762	160.38	457.762	0.70653	160.38	856.493	0.39688	169.01	1314.26
3055.175	1071.27	3055.175	0.70653	1071.27	2444.363	0.39688	482.14	5499.54
22.446	7.86	22.446	0.70653	7.86	120.834	0.39688	23.83	143.28
32.215	8.5	32.215	0.53317	8.5	0	0	0	32.21
119.846	42.02	119.846	0.70653	42.02	421.851	0.39688	83.26	541.7
0	0	0	0.70653	0	0.044	0.39688	0	0.04
0	0	0	0.70653	0	174.418	0.39688	34.58	174.42
489.66	127.7	489.66	0.53317	127.7	0	0	0	489.66
0	0	0	0.70653	0	0	0.39688	0	0
213.15	74.4	213.15	0.70653	74.4	274.6625	0.39688	54.16	487.81
0	0	0	0.70653	0	0	0.39688	0	0
248.25	86.97	248.25	0.70653	86.97	1089.713	0.39688	214.93	1337.96

5.992	2.09	5.992	0.70653	2.09	11.0211	0.39688	2.17	17.02
61.8125	21.68	61.8125	0.70653	21.68	95.4875	0.39688	18.82	157.3
1439.625	504.27	1439.625	0.70653	504.27	2116.888	0.39688	417.32	3556.51
50.8	17.64	50.8	0.70653	17.64	0	0.39688	0	50.8
3.3251	1.16	3.3251	0.70653	1.16	11.6952	0.39688	2.3	15.03
13.8125	4.78	13.8125	0.70653	4.78	40.5	0.39688	7.96	54.31
494.6125	173.3	494.6125	0.70653	173.3	305.6	0.39688	60.23	800.22
946.05	331.61	946.05	0.70653	331.61	1297.163	0.39688	255.94	2243.22
695.468	183.28	695.468	0.53317	183.28	0	0	0	695.47
43.6319	11.52	43.6319	0.53317	11.52	0	0	0	43.63
40.22	10.62	40.22	0.53317	10.62	0	0	0	40.22
48.018	12.67	48.018	0.53317	12.67	0	0	0	48.01
67.554	17.84	67.554	0.53317	17.84	0	0	0	67.56
61.3648	16.2	61.3648	0.53317	16.2	0	0	0	61.37
128.6778	34	128.6778	0.53317	34	0	0	0	128.68
210.9875	55.87	210.9875	0.53317	55.87	0	0	0	210.99
30.04	7.91	30.04	0.53317	7.91	0	0	0	30.04
15.466	4.09	15.466	0.53317	4.09	0	0	0	15.46
64.654	16.99	64.654	0.53317	16.99	0	0	0	64.66
1517.276	400.92	1517.276	0.53317	400.92	0	0	0	1517.28
0	0	0	0.53317	0	0	0	0	0
1049.213	277.23	1049.213	0.53317	277.23	0	0	0	1049.22
388.85	97.74	388.85	0.51128	97.74	0	0	0	388.85
0.186	0.03	0.186	0.53317	0.03	0	0	0	0.19
0.001	0	0.001	0.53317	0	0	0	0	0
1832.711	484.35	1832.711	0.53317	484.35	0	0	0	1832.71
0	0	0	0.53317	0	0	0	0	0
734.803	194.15	734.803	0.53317	194.15	0	0	0	734.8
525.542	138.89	525.542	0.53317	138.89	0	0	0	525.55
79.525	27.86	79.525	0.70653	27.86	340.155	0.39688	67.09	419.68
4.078	1.42	4.078	0.70653	1.42	7.897	0.39688	1.54	11.98
0	0	0	0.70653	0	0	0.39688	0	0
41.748	14.4	41.748	0.34496	14.4	141.89	0.19558	27.74	183.64
2559.738	883	2559.738	0.34496	883	2530.525	0.19558	494.91	5090.26
1060.3	365.76	1060.3	0.34496	365.76	2184.5	0.19558	427.24	3244.8
2429.36	534.72	2429.36	0.22011	534.72	2856.8	0.22011	628.8	5286.16
1677.4	578.63	1677.4	0.34496	578.63	1868.7	0.19558	365.48	3546.1
0	0	0	0.34496	0	0	0.19558	0	0
34.12	11.77	34.12	0.34496	11.77	60.92	0.19558	11.91	95.04
14.5	4.99	14.5	0.34496	4.99	62.1375	0.19558	12.14	76.64
49.277	12.85	49.277	0.26081	12.85	0	0	0	49.28
65.349	22.54	65.349	0.34496	22.54	148.487	0.19558	29.04	213.84
31.344	10.8	31.344	0.34496	10.8	31.652	0.19558	6.18	63
45.179	15.58	45.179	0.34496	15.58	214.788	0.19558	42	259.97
36.093	12.44	36.093	0.34496	12.44	101.566	0.19558	19.86	137.66
4421.04	1525.07	4421.04	0.34496	1525.07	4608.56	0.19558	901.34	9029.6
521.628	179.94	521.628	0.34496	179.94	962.153	0.19558	188.18	1483.78

636.2	219.46	636.2	0.34496	219.46	1241.6	0.19558	242.83	1877.8
2742.2	603.58	2742.2	0.22011	603.58	3474.04	0.22011	764.67	6216.24
1383.561	477.27	1383.561	0.34496	477.27	913.774	0.19558	178.71	2297.34
516.228	134.63	516.228	0.26081	134.63	0	0	0	516.23
542.7506	141.55	542.7506	0.26081	141.55	0	0	0	542.75
1186.388	409.26	1186.388	0.34496	409.26	1329.263	0.19558	259.97	2515.65
56.97	19.65	56.97	0.34496	19.65	161.797	0.19558	31.64	218.77
394.843	136.2	394.843	0.34496	136.2	552.895	0.19558	108.13	947.74
486.762	121.37	486.762	0.24937	121.37	0	0	0	486.76
734.847	183.24	734.847	0.24937	183.24	0	0	0	734.85
0	0	0	0.34496	0	0	0.19558	0	0
117.39	40.49	117.39	0.34496	40.49	260.009	0.19558	50.84	377.4
1.475	0.51	1.475	0.34496	0.51	3.2625	0.19558	0.64	4.74
775.1625	267.4	775.1625	0.34496	267.4	418.225	0.19558	81.8	1193.39
214.6	55.97	214.6	0.26081	55.97	0	0	0	214.6
513.215	177.03	513.215	0.34496	177.03	257.159	0.19558	50.29	770.37
161.186	42.03	161.186	0.26081	42.03	0	0	0	161.19
110.647	28.85	110.647	0.26081	28.85	0	0	0	110.65
375.487	97.92	375.487	0.26081	97.92	0	0	0	375.49
124.0875	32.36	124.0875	0.26081	32.36	0	0	0	124.09
244.1125	84.21	244.1125	0.34496	84.21	337.6625	0.19558	66.03	581.78
497.8	129.82	497.8	0.26081	129.82	0	0	0	497.8
0	0	0	0.26081	0	0	0	0	0
70.056	24.16	70.056	0.34496	24.16	280.873	0.19558	54.92	350.93
5816.2	2006.36	5816.2	0.34496	2006.36	4669.32	0.19558	913.22	10485.52
9.2125	3.17	9.2125	0.34496	3.17	741.85	0.19558	145.09	751.06
0	0	0	0.26081	0	0	0	0	0
335.625	87.53	335.625	0.26081	87.53	0	0	0	335.63
736.794	254.16	736.794	0.34496	254.16	307.349	0.19558	60.1	1044.14
116.2009	40.08	116.2009	0.34496	40.08	221.3844	0.19558	43.3	337.59
0.067	0.01	0.067	0.24937	0.01	0	0	0	0.07
9.1	3.14	9.1	0.34496	3.14	46.2625	0.19558	9.04	55.36
8.065	2.77	8.065	0.34496	2.77	26.437	0.19558	5.17	34.5
373.5375	97.42	373.5375	0.26081	97.42	0	0	0	373.54
74.113	18.48	74.113	0.24937	18.48	0	0	0	74.11
31.02	8.09	31.02	0.26081	8.09	0	0	0	31.02
644.296	222.26	644.296	0.34496	222.26	651.407	0.19558	127.4	1295.7
65.7	22.66	65.7	0.34496	22.66	271.2125	0.19558	53.04	336.91
6.9125	2.38	6.9125	0.34496	2.38	4.8125	0.19558	0.94	11.73
553.75	191.02	553.75	0.34496	191.02	765.95	0.19558	149.8	1319.7
50.972	13.29	50.972	0.26081	13.29	0	0	0	50.97
448.475	154.7	448.475	0.34496	154.7	373.8625	0.19558	73.12	822.34
437.427	150.89	437.427	0.34496	150.89	790.367	0.19558	154.57	1227.79
2565.475	884.98	2565.475	0.34496	884.98	2230.4	0.19558	436.22	4795.88
25.8509	8.91	25.8509	0.34496	8.91	143.3745	0.19558	28.04	169.23
32.092	8.36	32.092	0.26081	8.36	0	0	0	32.09
108.255	37.33	108.255	0.34496	37.33	397.137	0.19558	77.67	505.39

0	0	0	0.34496	0	0	0.19558	0	0
0	0	0	0.34496	0	151.559	0.19558	29.63	151.56
0	0	0	0.26081	0	0	0	0	0
0	0	0	0.34496	0	0	0.19558	0	0
194.0875	66.95	194.0875	0.34496	66.95	277.7125	0.19558	54.31	471.8
0	0	0	0.34496	0	0	0.19558	0	0
243.5	84	243.5	0.34496	84	1105.363	0.19558	216.18	1348.86
3.4274	1.18	3.4274	0.34496	1.18	6.7286	0.19558	1.31	10.16
59.975	20.68	59.975	0.34496	20.68	97.4375	0.19558	19.05	157.41
1290.238	445.07	1290.238	0.34496	445.07	2193.588	0.19558	429.01	3483.83
97.3	33.56	97.3	0.34496	33.56	0	0.19558	0	97.3
5.2375	1.8	5.2375	0.34496	1.8	10.2449	0.19558	2	15.48
8.4625	2.92	8.4625	0.34496	2.92	17.275	0.19558	3.38	25.74
394.1375	135.96	394.1375	0.34496	135.96	322.7625	0.19558	63.12	716.9
860.6	296.87	860.6	0.34496	296.87	1213.1	0.19558	237.25	2073.7
569.307	148.48	569.307	0.26081	148.48	0	0	0	569.31
43.9332	11.45	43.9332	0.26081	11.45	0	0	0	43.93
40.923	10.67	40.923	0.26081	10.67	0	0	0	40.92
48.292	12.6	48.292	0.26081	12.6	0	0	0	48.29
69.163	18.03	69.163	0.26081	18.03	0	0	0	69.16
61.9319	16.15	61.9319	0.26081	16.15	0	0	0	61.93
132.8148	34.64	132.8148	0.26081	34.64	0	0	0	132.81
214.4125	55.91	214.4125	0.26081	55.91	0	0	0	214.41
37.88	9.88	37.88	0.26081	9.88	0	0	0	37.88
16.139	4.2	16.139	0.26081	4.2	0	0	0	16.14
41.766	10.89	41.766	0.26081	10.89	0	0	0	41.77
1507.624	393.2	1507.624	0.26081	393.2	0	0	0	1507.62
0	0	0	0.26081	0	0	0	0	0
1051.963	274.36	1051.963	0.26081	274.36	0	0	0	1051.96
178.972	44.63	178.972	0.24937	44.63	0	0	0	178.97
0.115	0.02	0.115	0.26081	0.02	0	0	0	0.12
0	0	0	0.26081	0	0	0	0	0
1865.674	486.59	1865.674	0.26081	486.59	0	0	0	1865.67
0	0	0	0.26081	0	0	0	0	0
738.784	192.68	738.784	0.26081	192.68	0	0	0	738.78
528.999	137.96	528.999	0.26081	137.96	0	0	0	529
77.076	26.59	77.076	0.34496	26.59	348.364	0.19558	68.12	425.44
4.108	1.41	4.108	0.34496	1.41	8.412	0.19558	1.64	12.52
0	0	0	0.34496	0	0	0.19558	0	0
202.625	50.52	202.625	0.24937	50.52	0	0	0	202.63
37.922	13.08	37.922	0.34496	13.08	108.789	0.19558	21.27	146.71
1412.663	487.31	1412.663	0.34496	487.31	2334.088	0.19558	456.5	3746.75
880	303.56	880	0.34496	303.56	1506.2	0.19558	294.58	2386.2
2407.76	529.97	2407.76	0.22011	529.97	2569.68	0.22011	565.61	4977.44
1564.5	539.68	1564.5	0.34496	539.68	1845.7	0.19558	360.98	3410.2
0	0	0	0.34496	0	0	0.19558	0	0
47.68	16.45	47.68	0.34496	16.45	64.08	0.19558	12.53	111.76

12.6875	4.37	12.6875	0.34496	4.37	32.625	0.19558	6.38	45.31
43.844	11.43	43.844	0.26081	11.43	0	0	0	43.84
67.13	23.16	67.13	0.34496	23.16	132.744	0.19558	25.96	199.87
31.022	10.69	31.022	0.34496	10.69	26.556	0.19558	5.19	57.58
39.044	13.46	39.044	0.34496	13.46	197.129	0.19558	38.54	236.17
33.968	11.72	33.968	0.34496	11.72	97.038	0.19558	18.98	131.01
4332.92	1494.68	4332.92	0.34496	1494.68	4106.32	0.19558	803.11	8439.24
582.431	200.92	582.431	0.34496	200.92	1048.789	0.19558	205.12	1631.22
48.64	16.78	48.64	0.34496	16.78	177.28	0.19558	34.67	225.92
1276.48	280.96	1276.48	0.22011	280.96	1561.08	0.22011	343.61	2837.56
876.062	302.2	876.062	0.34496	302.2	845.895	0.19558	165.44	1721.96
370.06	96.51	370.06	0.26081	96.51	0	0	0	370.06
449.491	117.23	449.491	0.26081	117.23	0	0	0	449.49
466.025	160.75	466.025	0.34496	160.75	622.9375	0.19558	121.83	1088.96
54.223	18.7	54.223	0.34496	18.7	96.826	0.19558	18.93	151.05
478.319	165	478.319	0.34496	165	593.622	0.19558	116.09	1071.94
156.986	39.14	156.986	0.24937	39.14	0	0	0	156.99
679.994	169.57	679.994	0.24937	169.57	0	0	0	679.99
0	0	0	0.34496	0	0	0.19558	0	0
127.881	44.11	127.881	0.34496	44.11	263.607	0.19558	51.55	391.49
90.125	31.09	90.125	0.34496	31.09	27.45	0.19558	5.37	117.58
464.625	160.27	464.625	0.34496	160.27	308.025	0.19558	60.24	772.65
200.7375	52.35	200.7375	0.26081	52.35	0	0	0	200.74
337.814	116.52	337.814	0.34496	116.52	215.116	0.19558	42.06	552.93
108.368	28.26	108.368	0.26081	28.26	0	0	0	108.37
498.137	129.91	498.137	0.26081	129.91	0	0	0	498.14
242.41	63.22	242.41	0.26081	63.22	0	0	0	242.41
1044.725	272.47	1044.725	0.26081	272.47	0	0	0	1044.72
257.975	88.99	257.975	0.34496	88.99	352.7875	0.19558	68.99	610.76
344.7	89.89	344.7	0.26081	89.89	0	0	0	344.7
0	0	0	0.26081	0	0	0	0	0
64.764	22.33	64.764	0.34496	22.33	256.142	0.19558	50.09	320.91
4472.88	1542.96	4472.88	0.34496	1542.96	2652.6	0.19558	518.79	7125.48
9.5125	3.28	9.5125	0.34496	3.28	1424.85	0.19558	278.66	1434.36
0.088	0.02	0.088	0.26081	0.02	0	0	0	0.09
219.1625	57.16	219.1625	0.26081	57.16	0	0	0	219.16
506.426	174.69	506.426	0.34496	174.69	247.639	0.19558	48.43	754.07
117.1752	40.41	117.1752	0.34496	40.41	209.964	0.19558	41.06	327.14
1.907	0.47	1.907	0.24937	0.47	0	0	0	1.91
12.5125	4.31	12.5125	0.34496	4.31	59.8	0.19558	11.69	72.31
6.157	2.12	6.157	0.34496	2.12	16.615	0.19558	3.25	22.77
248.025	64.68	248.025	0.26081	64.68	0	0	0	248.03
341.224	85.09	341.224	0.24937	85.09	0	0	0	341.22
29.314	7.65	29.314	0.26081	7.65	0	0	0	29.31
603.881	208.31	603.881	0.34496	208.31	515.534	0.19558	100.83	1119.42
58.8375	20.3	58.8375	0.34496	20.3	242.25	0.19558	47.38	301.09
8.5125	2.93	8.5125	0.34496	2.93	8.825	0.19558	1.72	17.34

462.075	159.39	462.075	0.34496	159.39	685.4875	0.19558	134.06	1147.56
40.988	10.68	40.988	0.26081	10.68	0	0	0	40.99
325.4	112.24	325.4	0.34496	112.24	362.9	0.19558	70.97	688.3
529.422	182.62	529.422	0.34496	182.62	884.966	0.19558	173.07	1414.39
1958.438	675.58	1958.438	0.34496	675.58	1962.688	0.19558	383.86	3921.13
21.7351	7.49	21.7351	0.34496	7.49	132.3412	0.19558	25.88	154.08
29.492	7.69	29.492	0.26081	7.69	0	0	0	29.49
99.308	34.25	99.308	0.34496	34.25	361.888	0.19558	70.77	461.2
0	0	0	0.34496	0	0.344	0.19558	0.07	0.34
0	0	0	0.34496	0	134.242	0.19558	26.25	134.24
0	0	0	0.26081	0	0	0	0	0
0	0	0	0.34496	0	0	0.19558	0	0
202.375	69.81	202.375	0.34496	69.81	263.9875	0.19558	51.62	466.36
0	0	0	0.34496	0	0	0.19558	0	0
211.95	73.11	211.95	0.34496	73.11	997.975	0.19558	195.17	1209.93
3.3344	1.14	3.3344	0.34496	1.14	6.474	0.19558	1.27	9.81
68.9625	23.78	68.9625	0.34496	23.78	104.1375	0.19558	20.36	173.1
1274.288	439.57	1274.288	0.34496	439.57	2079.213	0.19558	406.65	3353.5
110.3375	38.06	110.3375	0.34496	38.06	18.1375	0.19558	3.54	128.48
3.0191	1.03	3.0191	0.34496	1.03	9.4642	0.19558	1.85	12.48
9.1375	3.15	9.1375	0.34496	3.15	20.8125	0.19558	4.07	29.95
328.975	113.48	328.975	0.34496	113.48	279.025	0.19558	54.57	608
805.9125	278	805.9125	0.34496	278	1116.7	0.19558	218.39	1922.61
438.164	114.27	438.164	0.26081	114.27	0	0	0	438.16
39.7342	10.36	39.7342	0.26081	10.36	0	0	0	39.73
38.323	9.99	38.323	0.26081	9.99	0	0	0	38.32
43.532	11.35	43.532	0.26081	11.35	0	0	0	43.53
65.17	17	65.17	0.26081	17	0	0	0	65.17
56.4222	14.71	56.4222	0.26081	14.71	0	0	0	56.42
127.9675	33.37	127.9675	0.26081	33.37	0	0	0	127.97
265.0875	69.14	265.0875	0.26081	69.14	0	0	0	265.09
38.84	10.12	38.84	0.26081	10.12	0	0	0	38.84
14.806	3.86	14.806	0.26081	3.86	0	0	0	14.81
42.344	11.03	42.344	0.26081	11.03	0	0	0	42.34
1345.113	350.81	1345.113	0.26081	350.81	0	0	0	1345.11
0	0	0	0.26081	0	0	0	0	0
951.825	248.24	951.825	0.26081	248.24	0	0	0	951.83
146.607	36.55	146.607	0.24937	36.55	0	0	0	146.61
0.179	0.04	0.179	0.26081	0.04	0	0	0	0.18
0	0	0	0.26081	0	0	0	0	0
1704.947	444.66	1704.947	0.26081	444.66	0	0	0	1704.95
0	0	0	0.26081	0	0	0	0	0
680.642	177.52	680.642	0.26081	177.52	0	0	0	680.64
485.5	126.62	485.5	0.26081	126.62	0	0	0	485.5
67.715	23.35	67.715	0.34496	23.35	317.972	0.19558	62.18	385.69
4.169	1.43	4.169	0.34496	1.43	7.287	0.19558	1.42	11.46
0	0	0	0.34496	0	0	0.19558	0	0

Feed-in KW	Feed-in Rat	Feed-in Cha	Supply Rat	Supply Cha	Demand Ch	Miscellane	Miscellane	Total Disco
0	0	0	0.79178	24.54	0	142.574	5.09	0
418.5875	0.0363	-15.19	0.79178	24.54	0	2716.688	26.38	-15.19
0	0	0	0.79178	24.54	0	2756.6	26.71	0
0	0	0	4.13699	128.24	124.43	5270.88	47.51	0
0	0	0	0.79178	24.54	0	3616.68	33.83	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	749	10.1	0
0	0	0	0.79178	24.54	0	100.2	4.74	0
0	0	0	0.79178	24.54	0	42.16	4.25	0
0	0	0	0.79178	24.54	0	489.334	7.96	0
4.164	0.0363	-0.15	0.79178	24.54	0	65.046	4.44	-0.15
0	0	0	0.79178	24.54	0	300.183	6.39	0
0	0	0	0.79178	24.54	0	149.813	5.14	0
0	0	0	0.79178	24.54	0	9958.16	86.3	0
0	0	0	0.79178	24.54	0	2139.639	21.61	0
0	0	0	0.79178	24.54	0	1835.32	19.09	0
0	0	0	4.13699	128.24	517.12	1776.8	18.61	0
0	0.0363	0	0.79178	24.54	0	1936.045	19.93	0
0	0	0	0.79178	24.54	0	325.689	6.59	0
870.759	0.0363	-31.61	0.79178	24.54	0	612.7844	8.97	-31.61
25.2625	0.0363	-0.91	0.79178	24.54	0	2219.563	22.27	-0.91
0	0	0	0.79178	24.54	0	158.966	5.22	0
0	0	0	0.79178	24.54	0	1372.775	15.26	0
0	0	0	0.63888	19.8	0	250.362	5.98	0
0	0	0	0.63888	19.8	0	689.005	9.61	0
0	0	0	0.79178	24.54	0	90.137	4.65	0
0	0	0	0.79178	24.54	0	426.581	7.43	0
0	0	0	0.79178	24.54	0	613.1625	8.98	0
16.8875	0.0363	-0.62	0.79178	24.54	0	877.15	11.16	-0.62
0	0	0	0.79178	24.54	0	194.8625	5.52	0
158.14	0.0363	-5.74	0.79178	24.54	0	458.701	7.71	-5.74
0	0	0	0.79178	24.54	0	21.196	4.08	0
0	0	0	0.79178	24.54	0	1176.92	13.65	0
245.106	0.0363	-8.9	0.79178	24.54	0	162.444	5.25	-8.9
0	0	0	0.79178	24.54	0	2032.688	20.72	0
0	0	0	0.79178	24.54	0	687.2625	9.59	0
0	0	0	0.79178	24.54	0	276.5125	6.19	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	306.855	6.44	0
2369.68	0.0363	-86.02	0.79178	24.54	0	5455.64	49.04	-86.02
0	0	0	0.79178	24.54	0	1737.638	18.29	0
0	0	0	0.79178	24.54	0	0	3.91	0
120.45	0.0363	-4.37	0.79178	24.54	0	124.4375	4.93	-4.37
27.474	0.0363	-1	0.79178	24.54	0	877.288	11.16	-1
0	0	0	0.79178	24.54	0	328.7545	6.63	0
0	0	0	0.63888	19.8	0	9.117	3.98	0

0	0	0	0.79178	24.54	0	65.5625	4.45	0
0	0	0	0.79178	24.54	0	30.149	4.15	0
0	0	0	0.79178	24.54	0	52.9875	4.34	0
0	0	0	0.63888	19.8	0	403.965	7.24	0
0	0	0	0.79178	24.54	0	30.376	4.15	0
0	0	0	0.79178	24.54	0	1435.667	15.78	0
0	0	0	0.79178	24.54	0	286.8375	6.28	0
0	0	0	0.79178	24.54	0	43.4125	4.26	0
147.7375	0.0363	-5.37	0.79178	24.54	0	1264.388	14.37	-5.37
0	0	0	0.79178	24.54	0	43.763	4.26	0
44.5	0.0363	-1.62	0.79178	24.54	0	465.6	7.76	-1.62
0	0	0	0.79178	24.54	0	1703.468	18	0
0	0	0	0.79178	24.54	0	3701.638	34.53	0
109.1597	0.0363	-3.96	0.79178	24.54	0	139.5501	5.05	-3.96
0	0	0	0.79178	24.54	0	27.827	4.13	0
0	0	0	0.79178	24.54	0	433.056	7.49	0
0	0	0	0.79178	24.54	0	1.267	3.91	0
0	0	0	0.79178	24.54	0	110.75	4.82	0
0	0	0	0.79178	24.54	0	646.105	9.26	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	474.75	7.84	0
0	0	0	0.79178	24.54	0	563.231	8.56	0
0	0	0	0.79178	24.54	0	1016.225	12.31	0
0	0	0	0.79178	24.54	0	10.7911	4	0
0	0	0	0.79178	24.54	0	164.2875	5.26	0
0	0	0	0.79178	24.54	0	4036.213	37.31	0
0	0	0	0.79178	24.54	0	747.775	10.09	0
0	0	0	0.79178	24.54	0	14.8184	4.03	0
0	0	0	0.79178	24.54	0	31.575	4.16	0
0	0	0	0.79178	24.54	0	633.825	9.15	0
0	0	0	0.79178	24.54	0	1465.188	16.03	0
0	0	0	0.79178	24.54	0	474.029	7.83	0
0	0	0	0.79178	24.54	0	39.7487	4.23	0
0	0	0	0.79178	24.54	0	37.901	4.22	0
0	0	0	0.79178	24.54	0	40.962	4.24	0
0	0	0	0.79178	24.54	0	67.654	4.46	0
0	0	0	0.79178	24.54	0	53.7641	4.35	0
0	0	0	0.79178	24.54	0	135.5134	5.02	0
0	0	0	0.79178	24.54	0	292.7625	6.33	0
0	0	0	0.79178	24.54	0	349.6	6.79	0
0	0	0	0.79178	24.54	0	10.648	4	0
0	0	0	0.79178	24.54	0	37.948	4.22	0
0	0	0	0.79178	24.54	0	1427.432	15.71	0
0	0	0	0.79178	24.54	0	15.8	4.03	0
0	0	0	0.79178	24.54	0	900.5375	11.36	0
0	0	0	0.63888	19.8	0	833.225	10.8	0
0	0	0	0.79178	24.54	0	0.218	3.91	0

0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1589.021	17.06	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	646.953	9.26	0
0	0	0	0.79178	24.54	0	452.426	7.65	0
0	0	0	0.79178	24.54	0	365.701	6.94	0
0	0	0	0.79178	24.54	0	7.859	3.97	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	22.17	0	148.66	4.82	0
794	0.0363	-28.82	0.79178	22.17	0	2175.375	22.52	-28.82
0	0	0	0.79178	22.17	0	2908.8	28.69	0
0	0	0	4.13699	115.83	110.92	4540.24	43.15	0
0	0	0	0.79178	22.17	0	3455.2	33.63	0
0	0	0	0.79178	22.17	0	0	3.53	0
0	0	0	0.79178	22.17	0	766.96	10.12	0
0	0	0	0.79178	22.17	0	96.625	4.35	0
0	0	0	0.79178	22.17	0	34.236	3.82	0
0	0	0	0.79178	22.17	0	572.547	8.54	0
17.35	0.0363	-0.63	0.79178	22.17	0	47.509	3.94	-0.63
0	0	0	0.79178	22.17	0	249.523	5.7	0
0	0	0	0.79178	22.17	0	132.789	4.67	0
0	0	0	0.79178	22.17	0	8343.68	75.98	0
0	0	0	0.79178	22.17	0	2627.033	26.28	0
0	0	0	0.79178	22.17	0	5235.52	48.7	0
0	0	0	4.13699	115.83	32.84	4349.72	39.95	0
29.077	0.0363	-1.06	0.79178	22.17	0	1535.945	16.94	-1.06
0	0	0	0.79178	22.17	0	306.525	6.21	0
953.916	0.0363	-34.63	0.79178	22.17	0	526.1063	8.1	-34.63
45.525	0.0363	-1.65	0.79178	22.17	0	2377.075	24.28	-1.65
0	0	0	0.79178	22.17	0	205.972	5.32	0
0	0	0	0.79178	22.17	0	1344.3	15.24	0
0	0	0	0.63888	17.89	0	193.52	5.22	0
0	0	0	0.63888	17.89	0	643.283	9.14	0
0	0	0	0.79178	22.17	0	57.285	4.03	0
0	0	0	0.79178	22.17	0	423.377	7.22	0
0	0	0	0.79178	22.17	0	707.5625	9.69	0
34.1875	0.0363	-1.24	0.79178	22.17	0	864.4625	11.1	-1.24
0	0	0	0.79178	22.17	0	161.025	4.91	0
200.975	0.0363	-7.29	0.79178	22.17	0	440.49	7.38	-7.29
0	0	0	0.79178	22.17	0	21.66	3.71	0
0	0	0	0.79178	22.17	0	384.658	6.91	0
272.412	0.0363	-9.89	0.79178	22.17	0	151.307	4.84	-9.89
0	0	0	0.79178	22.17	0	2017.85	21.16	0
0	0	0	0.79178	22.17	0	668.425	9.38	0
0	0	0	0.79178	22.17	0	305.4125	6.2	0
0	0	0	0.79178	22.17	0	0	3.53	0
0	0	0	0.79178	22.17	0	250.411	5.71	0

2886.36	0.0363	-104.78	0.79178	22.17	0	4048.68	38.89	-104.78
0	0	0	0.79178	22.17	0	1317.6	15.08	0
0	0	0	0.79178	22.17	0	0.001	3.53	0
143.05	0.0363	-5.19	0.79178	22.17	0	113.95	4.52	-5.19
40.598	0.0363	-1.47	0.79178	22.17	0	813.242	10.66	-1.47
0	0	0	0.79178	22.17	0	298.9018	6.14	0
0	0	0	0.63888	17.89	0	3.896	3.55	0
0	0	0	0.63888	57.5	0	156.379	12.72	0
0	0	0	0.79178	22.17	0	78.1375	4.21	0
0	0	0	0.79178	22.17	0	25.57	3.75	0
0	0	0	0.79178	22.17	0	164.8875	4.95	0
0	0	0	0.63888	17.89	0	118.021	4.52	0
0	0	0	0.79178	22.17	0	27.814	3.77	0
0	0	0	0.79178	22.17	0	1331.037	15.14	0
0	0	0	0.79178	22.17	0	234.975	5.57	0
0	0	0	0.79178	22.17	0	19.0875	3.68	0
158.575	0.0363	-5.75	0.79178	22.17	0	1089.25	13.04	-5.75
0	0	0	0.79178	22.17	0	43.529	3.89	0
59.7625	0.0363	-2.17	0.79178	22.17	0	445.6375	7.43	-2.17
0	0	0	0.79178	22.17	0	2021.794	20.99	0
0	0	0	0.79178	22.17	0	3526.338	34.38	0
144.7975	0.0363	-5.26	0.79178	22.17	0	112.7697	4.5	-5.26
0	0	0	0.79178	22.17	0	22.428	3.72	0
0	0	0	0.79178	22.17	0	363.716	6.69	0
0	0	0	0.79178	22.17	0	0	3.53	0
0	0	0	0.79178	22.17	0	114.291	4.49	0
0	0	0	0.79178	22.17	0	18.741	3.7	0
0	0	0	0.79178	22.17	0	0	3.53	0
0	0	0	0.79178	22.17	0	462.525	7.57	0
0	0	0	0.79178	22.17	0	563.883	8.47	0
0	0	0	0.79178	22.17	0	861.8	11.03	0
0	0	0	0.79178	22.17	0	9.3802	3.61	0
0	0	0	0.79178	22.17	0	139.6375	4.73	0
0	0	0	0.79178	22.17	0	4265.525	40.71	0
0	0	0	0.79178	22.17	0	856.5875	10.99	0
0	0	0	0.79178	22.17	0	15.3201	3.66	0
0	0	0	0.79178	22.17	0	32.4625	3.81	0
0	0	0	0.79178	22.17	0	580.8375	8.6	0
0	0	0	0.79178	22.17	0	1410.438	15.87	0
0	0	0	0.79178	22.17	0	384.222	6.87	0
0	0	0	0.79178	22.17	0	33.7257	3.82	0
0	0	0	0.79178	22.17	0	32.564	3.8	0
0	0	0	0.79178	22.17	0	32.973	3.81	0
0	0	0	0.79178	22.17	0	61.867	4.05	0
0	0	0	0.79178	22.17	0	44.0086	3.89	0
0	0	0	0.79178	22.17	0	123.9266	4.6	0
0	0	0	0.79178	22.17	0	805.1	10.55	0

0	0	0	0.79178	22.17	0	4.28	3.56	0
0	0	0	0.79178	22.17	0	8.487	3.59	0
0	0	0	0.79178	22.17	0	38.593	3.85	0
0	0	0	0.79178	22.17	0	1113.636	13.22	0
0	0	0	0.79178	22.17	0	14.68	3.65	0
0	0	0	0.79178	22.17	0	727.225	9.87	0
0	0	0	0.63888	17.89	0	1025.103	12.52	0
0	0	0	0.79178	22.17	0	0.283	3.53	0
0	0	0	0.79178	22.17	0	28.693	3.78	0
0	0	0	0.79178	22.17	0	1350.769	15.31	0
0	0	0	0.79178	22.17	0	0.085	3.53	0
0	0	0	0.79178	22.17	0	547.22	8.3	0
0	0	0	0.79178	22.17	0	364.897	6.71	0
0	0	0	0.79178	22.17	0	297.146	6.1	0
0	0	0	0.79178	22.17	0	5.853	3.57	0
0	0	0	0.79178	22.17	0	0	3.53	0
0	0	0	0.79178	24.54	0	200.114	5.69	0
1055.825	0.0363	-38.32	0.79178	24.54	0	2098.55	22.68	-38.32
0	0	0	0.79178	24.54	0	3096.1	31.6	0
0	0	0	4.13699	128.24	725.58	4968.64	48.35	0
0	0	0	0.79178	24.54	0	4107	40.64	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	135.88	5.12	0
0	0	0	0.79178	24.54	0	196.3875	5.66	0
0	0	0	0.79178	24.54	0	34.645	4.22	0
0	0	0	0.79178	24.54	0	773.334	10.82	0
47.091	0.0363	-1.71	0.79178	24.54	0	39.544	4.26	-1.71
0	0	0	0.79178	24.54	0	253.898	6.18	0
0	0	0	0.79178	24.54	0	129.788	5.07	0
0	0	0	0.79178	24.54	0	8434.32	79.34	0
0	0	0	0.79178	24.54	0	5075.877	49.31	0
0	0	0	0.79178	24.54	0	14130.88	130.29	0
0	0	0	4.13699	128.24	1789.73	36740.08	332.51	0
732.751	0.0363	-26.6	0.79178	24.54	0	799.809	11.06	-26.6
0	0	0	0.79178	24.54	0	282.436	6.43	0
1026.437	0.0363	-37.26	0.79178	24.54	0	443.4964	7.87	-37.26
31.25	0.0363	-1.13	0.79178	24.54	0	3072.513	31.39	-1.13
0	0	0	0.79178	24.54	0	435.797	7.8	0
0	0	0	0.79178	24.54	0	1516.645	17.47	0
0	0	0	0.63888	19.8	0	262.342	6.25	0
0	0	0	0.63888	19.8	0	833.245	11.36	0
0	0	0	0.79178	24.54	0	75.805	4.58	0
0	0	0	0.79178	24.54	0	414.923	7.62	0
0	0	0	0.79178	24.54	0	1198.563	14.62	0
43.6625	0.0363	-1.58	0.79178	24.54	0	860.15	11.6	-1.58
0	0	0	0.79178	24.54	0	199.775	5.69	0
344.761	0.0363	-12.52	0.79178	24.54	0	256.776	6.2	-12.52

0	0	0	0.79178	24.54	0	8.232	3.98	0
0	0	0	0.79178	24.54	0	934.667	12.26	0
321.112	0.0363	-11.66	0.79178	24.54	0	159.844	5.33	-11.66
0	0	0	0.79178	24.54	0	1723.9	19.32	0
0	0	0	0.79178	24.54	0	535.4875	8.7	0
0	0	0	0.79178	24.54	0	246.6125	6.11	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	257.127	6.21	0
2960.4	0.0363	-107.46	0.79178	24.54	0	5198.12	50.4	-107.46
0	0	0	0.79178	24.54	0	1513.775	17.44	0
0	0	0	0.79178	24.54	0	0	3.91	0
176.175	0.0363	-6.39	0.79178	24.54	0	105.9875	4.86	-6.39
106.443	0.0363	-3.86	0.79178	24.54	0	464.866	8.06	-3.86
0	0	0	0.79178	24.54	0	350.2606	7.03	0
0	0	0	0.63888	19.8	0	4.458	3.94	0
0	0	0	0.79178	24.54	0	209.375	5.78	0
0	0	0	0.79178	24.54	0	26.168	4.14	0
0	0	0	0.79178	24.54	0	173.525	5.46	0
0	0	0	0.63888	19.8	0	264.573	6.28	0
0	0	0	0.79178	24.54	0	30.98	4.19	0
0	0	0	0.79178	24.54	0	1619.1	18.39	0
0	0	0	0.79178	24.54	0	247.7125	6.12	0
0	0	0	0.79178	24.54	0	17.3125	4.06	0
181.9375	0.0363	-6.6	0.79178	24.54	0	1072.613	13.5	-6.6
0	0	0	0.79178	24.54	0	18.968	4.08	0
74.9875	0.0363	-2.72	0.79178	24.54	0	348.4375	7.02	-2.72
0	0	0	0.79178	24.54	0	5032.628	48.92	0
0	0	0	0.79178	24.54	0	3940.213	39.14	0
162.5818	0.0363	-5.91	0.79178	24.54	0	118.6395	4.97	-5.91
0	0	0	0.79178	24.54	0	22.352	4.11	0
0	0	0	0.79178	24.54	0	375.228	7.27	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	203.081	5.73	0
0	0	0	0.79178	24.54	0	98.896	4.79	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	451.8125	7.95	0
0	0	0	0.79178	24.54	0	599.479	9.27	0
0	0	0	0.79178	24.54	0	869.1625	11.68	0
0	0	0	0.79178	24.54	0	8.2552	3.98	0
0	0	0	0.79178	24.54	0	190.875	5.62	0
0	0	0	0.79178	24.54	0	5450.125	52.65	0
0	0	0	0.79178	24.54	0	1301.813	15.55	0
0	0	0	0.79178	24.54	0	17.6739	4.06	0
0	0	0	0.79178	24.54	0	141.9625	5.17	0
0	0	0	0.79178	24.54	0	637.0625	9.6	0
0	0	0	0.79178	24.54	0	1614.213	18.34	0
0	0	0	0.79178	24.54	0	431.34	7.76	0

0	0	0	0.79178	24.54	0	32.5978	4.2	0
0	0	0	0.79178	24.54	0	34.554	4.22	0
0	0	0	0.79178	24.54	0	32.928	4.2	0
0	0	0	0.79178	24.54	0	68.836	4.52	0
0	0	0	0.79178	24.54	0	44.4092	4.31	0
0	0	0	0.79178	24.54	0	137.9201	5.14	0
0	0	0	0.79178	24.54	0	625.0875	9.5	0
0	0	0	0.79178	24.54	0	87.64	4.69	0
0	0	0	0.79178	24.54	0	8.65	3.99	0
0	0	0	0.79178	24.54	0	5980.349	57.39	0
0	0	0	0.79178	24.54	0	1121.542	13.93	0
0	0	0	0.79178	24.54	0	34.68	4.22	0
0	0	0	0.79178	24.54	0	740.15	10.52	0
0	0	0	0.63888	19.8	0	1691.562	19.04	0
0	0	0	0.79178	24.54	0	0.204	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1351.925	16	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	547.078	8.79	0
0	0	0	0.79178	24.54	0	364.808	7.17	0
0	0	0	0.79178	24.54	0	299.348	6.58	0
0	0	0	0.79178	24.54	0	6.036	3.95	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.63888	57.5	0	538.281	16.16	0
0	0	0	0.79178	72.84	0	0	11.61	0
0	0	0	0.79178	24.54	0	109.593	4.89	0
1254.325	0.0363	-45.53	0.79178	24.54	0	1735.275	19.42	-45.53
0	0	0	0.79178	24.54	0	2634.6	27.47	0
0	0	0	4.13699	128.24	151.9	5081.04	49.35	0
0	0	0	0.79178	24.54	0	3511.08	35.3	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	121.28	4.99	0
0	0	0	0.79178	24.54	0	270.275	6.32	0
0	0	0	0.79178	24.54	0	32.931	4.2	0
0	0	0	0.79178	24.54	0	296.341	6.55	0
52.283	0.0363	-1.9	0.79178	24.54	0	39.409	4.26	-1.9
0	0	0	0.79178	24.54	0	246.159	6.11	0
0	0	0	0.79178	24.54	0	116.485	4.94	0
0	0	0	0.79178	24.54	0	11958.76	110.86	0
0	0	0	0.79178	24.54	0	4870.901	47.47	0
0	0	0	0.79178	24.54	0	15156.28	139.46	0
0	0	0	4.13699	128.24	1649.95	42909.12	387.69	0
727.605	0.0363	-26.41	0.79178	24.54	0	815.369	11.19	-26.41
0	0	0	0.79178	24.54	0	264.829	6.28	0
1108.798	0.0363	-40.25	0.79178	24.54	0	329.4433	6.85	-40.25
16.6375	0.0363	-0.61	0.79178	24.54	0	3398.138	34.3	-0.61
0	0	0	0.79178	24.54	0	576.382	9.06	0

0	0	0	0.79178	24.54	0	1507.918	17.4	0
0	0	0	0.63888	19.8	0	265.069	6.28	0
0	0	0	0.63888	19.8	0	768.835	10.79	0
0	0	0	0.79178	24.54	0	117.334	4.96	0
0	0	0	0.79178	24.54	0	386.071	7.35	0
0	0	0	0.79178	24.54	0	557.325	8.89	0
73.7125	0.0363	-2.67	0.79178	24.54	0	608.45	9.34	-2.67
0	0	0	0.79178	24.54	0	185.4	5.56	0
354.2	0.0363	-12.86	0.79178	24.54	0	282.204	6.43	-12.86
0	0	0	0.79178	24.54	0	0.108	3.91	0
0	0	0	0.79178	24.54	0	438.187	7.83	0
348.549	0.0363	-12.65	0.79178	24.54	0	127.67	5.04	-12.65
0	0	0	0.79178	24.54	0	2238.413	23.93	0
0	0	0	0.79178	24.54	0	837.6625	11.4	0
0	0	0	0.79178	24.54	0	225.2625	5.92	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	242.393	6.08	0
3525.56	0.0363	-127.97	0.79178	24.54	0	5871.72	56.42	-127.97
0	0	0	0.79178	24.54	0	1515.663	17.46	0
0	0	0	0.79178	24.54	0	0	3.91	0
169.8375	0.0363	-6.16	0.79178	24.54	0	113.85	4.92	-6.16
118.146	0.0363	-4.29	0.79178	24.54	0	404.286	7.52	-4.29
0	0	0	0.79178	24.54	0	347.295	7.01	0
0	0	0	0.63888	19.8	0	4.266	3.94	0
0	0	0	0.79178	24.54	0	146.0875	5.21	0
0	0	0	0.79178	24.54	0	26.291	4.14	0
0	0	0	0.79178	24.54	0	173.8125	5.46	0
0	0	0	0.63888	19.8	0	141.273	5.16	0
0	0	0	0.79178	24.54	0	30.535	4.17	0
0	0	0	0.79178	24.54	0	1512.256	17.43	0
0	0	0	0.79178	24.54	0	241.65	6.07	0
0	0	0	0.79178	24.54	0	21.3875	4.1	0
237.2625	0.0363	-8.61	0.79178	24.54	0	907.4	12.02	-8.61
0	0	0	0.79178	24.54	0	21.899	4.1	0
90.95	0.0363	-3.3	0.79178	24.54	0	346.775	7	-3.3
0	0	0	0.79178	24.54	0	4054.155	40.17	0
0	0	0	0.79178	24.54	0	3650.05	36.55	0
170.3578	0.0363	-6.18	0.79178	24.54	0	118.7451	4.97	-6.18
0	0	0	0.79178	24.54	0	7.025	3.97	0
0	0	0	0.79178	24.54	0	361.377	7.13	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	211.729	5.8	0
0	0	0	0.79178	24.54	0	66.11	4.49	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	442	7.86	0
0	0	0	0.79178	24.54	0	565.39	8.96	0
0	0	0	0.79178	24.54	0	852.75	11.53	0

0	0	0	0.79178	24.54	0	7.3549	3.97	0
0	0	0	0.79178	24.54	0	197.075	5.67	0
0	0	0	0.79178	24.54	0	4912.2	47.84	0
0	0	0	0.79178	24.54	0	925.5875	12.18	0
0	0	0	0.79178	24.54	0	30.1732	4.17	0
0	0	0	0.79178	24.54	0	143.75	5.19	0
0	0	0	0.79178	24.54	0	495.9875	8.34	0
0	0	0	0.79178	24.54	0	1582.838	18.07	0
0	0	0	0.79178	24.54	0	429.272	7.75	0
0	0	0	0.79178	24.54	0	27.5687	4.15	0
0	0	0	0.79178	24.54	0	33.819	4.21	0
0	0	0	0.79178	24.54	0	31.071	4.19	0
0	0	0	0.79178	24.54	0	69.488	4.53	0
0	0	0	0.79178	24.54	0	42.221	4.28	0
0	0	0	0.79178	24.54	0	139.5781	5.15	0
0	0	0	0.79178	24.54	0	363.9	7.16	0
0	0	0	0.79178	24.54	0	126.4	5.03	0
0	0	0	0.79178	24.54	0	8.771	3.99	0
0	0	0	0.79178	24.54	0	6466.135	61.74	0
0	0	0	0.79178	24.54	0	1151.146	14.2	0
0	0	0	0.79178	24.54	0	16.88	4.05	0
0	0	0	0.79178	24.54	0	740.7625	10.53	0
0	0	0	0.63888	19.8	0	1486.14	17.2	0
0	0	0	0.79178	24.54	0	0.255	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1268.617	15.25	0
0	0	0	0.79178	24.54	0	0.002	3.91	0
0	0	0	0.79178	24.54	0	516.478	8.52	0
0	0	0	0.79178	24.54	0	344.768	6.99	0
0	0	0	0.79178	24.54	0	283.713	6.44	0
0	0	0	0.79178	24.54	0	6.113	3.95	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	1.27776	70.91	0	42.101	14.35	0
0	0	0	0.79178	23.75	0	152.107	5.13	0
896.9375	0.0363	-32.56	0.79178	23.75	0	1838.375	20.21	-32.56
0	0	0	0.79178	23.75	0	2753.3	28.4	0
0	0	0	4.13699	124.1	136.06	5219.68	50.46	0
0	0	0	0.79178	23.75	0	2752.12	28.39	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	385.68	7.22	0
0	0	0	0.79178	23.75	0	116.6625	4.81	0
0	0	0	0.79178	23.75	0	34.053	4.08	0
0	0	0	0.79178	23.75	0	166.864	5.27	0
45.677	0.0363	-1.66	0.79178	23.75	0	37.577	4.11	-1.66
0	0	0	0.79178	23.75	0	249.216	6	0
0	0	0	0.79178	23.75	0	127.374	4.91	0
0	0	0	0.79178	23.75	0	6089.6	58.24	0

0	0	0	0.79178	23.75	0	605.335	9.19	0
0	0	0	0.79178	23.75	0	148.92	5.11	0
0	0	0	4.13699	124.1	53.24	2474	25.9	0
435.889	0.0363	-15.82	0.79178	23.75	0	1013.925	12.84	-15.82
0	0	0	0.79178	23.75	0	328.523	6.72	0
839.837	0.0363	-30.48	0.79178	23.75	0	413.6914	7.48	-30.48
19.6625	0.0363	-0.72	0.79178	23.75	0	2750.275	28.38	-0.72
0	0	0	0.79178	23.75	0	211.075	5.66	0
0	0	0	0.79178	23.75	0	1365.008	15.98	0
0	0	0	0.63888	19.16	0	243.088	5.95	0
0	0	0	0.63888	19.16	0	667.253	9.74	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	405.148	7.4	0
0	0	0	0.79178	23.75	0	324.3125	6.67	0
40.075	0.0363	-1.45	0.79178	23.75	0	711.3875	10.14	-1.45
0	0	0	0.79178	23.75	0	154.05	5.16	0
163.36	0.0363	-5.93	0.79178	23.75	0	454.872	7.84	-5.93
0	0	0	0.79178	23.75	0	0.352	3.78	0
0	0	0	0.79178	23.75	0	617.753	9.3	0
215.886	0.0363	-7.83	0.79178	23.75	0	199.227	5.55	-7.83
0	0	0	0.79178	23.75	0	1974.238	21.44	0
0	0	0	0.79178	23.75	0	680.0375	9.85	0
0	0	0	0.79178	23.75	0	281.2625	6.29	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	246.682	5.98	0
2708.08	0.0363	-98.31	0.79178	23.75	0	3628.44	36.23	-98.31
0	0	0	0.79178	23.75	0	1389.713	16.2	0
0	0	0	0.79178	23.75	0	0	3.78	0
115.6125	0.0363	-4.2	0.79178	23.75	0	110.325	4.76	-4.2
36.108	0.0363	-1.31	0.79178	23.75	0	742.101	10.41	-1.31
0	0	0	0.79178	23.75	0	339.0202	6.81	0
0	0	0	0.63888	19.16	0	1.125	3.78	0
0	0	0	0.79178	23.75	0	232.875	5.86	0
0	0	0	0.79178	23.75	0	26.254	4.01	0
0	0	0	0.79178	23.75	0	171.55	5.31	0
0	0	0	0.63888	19.16	0	178.912	5.38	0
0	0	0	0.79178	23.75	0	28.798	4.03	0
0	0	0	0.79178	23.75	0	1357.925	15.92	0
0	0	0	0.79178	23.75	0	237.125	5.89	0
0	0	0	0.79178	23.75	0	12.3375	3.89	0
184.8625	0.0363	-6.71	0.79178	23.75	0	859.9875	11.47	-6.71
0	0	0	0.79178	23.75	0	30.284	4.04	0
43.8625	0.0363	-1.6	0.79178	23.75	0	443.1	7.74	-1.6
0	0	0	0.79178	23.75	0	1443.721	16.68	0
0	0	0	0.79178	23.75	0	3645.088	36.37	0
147.9322	0.0363	-5.37	0.79178	23.75	0	120.9084	4.86	-5.37
0	0	0	0.79178	23.75	0	0	3.78	0

0	0	0	0.79178	23.75	0	363.169	7.03	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	64.616	4.35	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	436.825	7.69	0
0	0	0	0.79178	23.75	0	499.247	8.24	0
0	0	0	0.79178	23.75	0	858.0875	11.45	0
0	0	0	0.79178	23.75	0	7.1053	3.84	0
0	0	0	0.79178	23.75	0	293.225	6.4	0
0	0	0	0.79178	23.75	0	3997.975	39.53	0
0	0	0	0.79178	23.75	0	208.05	5.64	0
0	0	0	0.79178	23.75	0	14.2237	3.9	0
0	0	0	0.79178	23.75	0	47.9875	4.21	0
0	0	0	0.79178	23.75	0	613.7625	9.27	0
0	0	0	0.79178	23.75	0	1606.763	18.15	0
0	0	0	0.79178	23.75	0	486.105	8.13	0
0	0	0	0.79178	23.75	0	28.1126	4.02	0
0	0	0	0.79178	23.75	0	33.405	4.08	0
0	0	0	0.79178	23.75	0	31.711	4.06	0
0	0	0	0.79178	23.75	0	66.55	4.37	0
0	0	0	0.79178	23.75	0	42.5228	4.15	0
0	0	0	0.79178	23.75	0	134.7026	4.98	0
0	0	0	0.79178	23.75	0	314.5875	6.59	0
0	0	0	0.79178	23.75	0	50.04	4.22	0
0	0	0	0.79178	23.75	0	10.04	3.87	0
0	0	0	0.79178	23.75	0	29.984	4.04	0
0	0	0	0.79178	23.75	0	1051.796	13.18	0
0	0	0	0.79178	23.75	0	3.96	3.81	0
0	0	0	0.79178	23.75	0	725.875	10.27	0
0	0	0	0.63888	19.16	0	944.922	12.23	0
0	0	0	0.79178	23.75	0	0.196	3.78	0
0	0	0	0.79178	23.75	0	0.334	3.78	0
0	0	0	0.79178	23.75	0	1238.228	14.85	0
0	0	0	0.79178	23.75	0	0.168	3.78	0
0	0	0	0.79178	23.75	0	500.73	8.26	0
0	0	0	0.79178	23.75	0	348.668	6.89	0
0	0	0	0.79178	23.75	0	288.141	6.35	0
0	0	0	0.79178	23.75	0	6.46	3.84	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	24.54	0	151.071	5.25	0
1087.288	0.0363	-39.47	0.79178	24.54	0	1986.238	21.68	-39.47
0	0	0	0.79178	24.54	0	2406.5	25.43	0
0	0	0	4.13699	128.24	151.29	5390.96	52.12	0
0	0	0	0.79178	24.54	0	3828.3	38.14	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	125.04	5.02	0

0	0	0	0.79178	24.54	0	111.3125	4.9	0
0	0	0	0.79178	24.54	0	36.965	4.24	0
0	0	0	0.79178	24.54	0	184.315	5.55	0
50.526	0.0363	-1.84	0.79178	24.54	0	38.696	4.25	-1.84
0	0	0	0.79178	24.54	0	283.755	6.44	0
0	0	0	0.79178	24.54	0	142.598	5.17	0
0	0	0	0.79178	24.54	0	4317.76	42.52	0
0	0	0	0.79178	24.54	0	556.057	8.88	0
0	0	0	0.79178	24.54	0	785.08	10.93	0
0	0	0	4.13699	128.24	75.65	3547.84	35.63	0
475.418	0.0363	-17.26	0.79178	24.54	0	1056.92	13.36	-17.26
0	0	0	0.79178	24.54	0	395.731	7.44	0
939.1055	0.0363	-34.09	0.79178	24.54	0	377.2508	7.28	-34.09
160.125	0.0363	-5.81	0.79178	24.54	0	1471.263	17.07	-5.81
0	0	0	0.79178	24.54	0	243.557	6.09	0
0	0	0	0.79178	24.54	0	1537.58	17.66	0
0	0	0	0.63888	19.8	0	244.423	6.09	0
0	0	0	0.63888	19.8	0	640.725	9.63	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	334.917	6.9	0
0	0	0	0.79178	24.54	0	297.9875	6.57	0
52.5625	0.0363	-1.9	0.79178	24.54	0	643.45	9.66	-1.9
0	0	0	0.79178	24.54	0	180.425	5.52	0
221.67	0.0363	-8.05	0.79178	24.54	0	423.038	7.68	-8.05
0	0	0	0.79178	24.54	0	0.381	3.91	0
0	0	0	0.79178	24.54	0	182.5	5.54	0
278.32	0.0363	-10.1	0.79178	24.54	0	166.436	5.4	-10.1
0	0	0	0.79178	24.54	0	1539.15	17.67	0
0	0	0	0.79178	24.54	0	677.8125	9.97	0
0	0	0	0.79178	24.54	0	253.2375	6.17	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	272.127	6.34	0
3223.92	0.0363	-117.03	0.79178	24.54	0	3279.96	33.24	-117.03
0	0	0	0.79178	24.54	0	587.675	9.16	0
0	0	0	0.79178	24.54	0	0	3.91	0
140.7875	0.0363	-5.12	0.79178	24.54	0	133.275	5.1	-5.12
44.878	0.0363	-1.63	0.79178	24.54	0	720.301	10.35	-1.63
0	0	0	0.79178	24.54	0	357.7682	7.1	0
0	0	0	0.63888	19.8	0	0.802	3.91	0
0	0	0	0.79178	24.54	0	61.65	4.46	0
0	0	0	0.79178	24.54	0	29.141	4.16	0
0	0	0	0.79178	24.54	0	191.7875	5.62	0
0	0	0	0.63888	19.8	0	110.303	4.89	0
0	0	0	0.79178	24.54	0	28.564	4.16	0
0	0	0	0.79178	24.54	0	1008.313	12.92	0
0	0	0	0.79178	24.54	0	259.725	6.23	0
0	0	0	0.79178	24.54	0	16.825	4.05	0

229.2	0.0363	-8.32	0.79178	24.54	0	1039.638	13.21	-8.32
0	0	0	0.79178	24.54	0	38.09	4.24	0
72.7	0.7326	-36.28	0.79178	24.54	0	413.45	7.61	-36.28
0	0	0	0.79178	24.54	0	1221.013	14.82	0
0	0	0	0.79178	24.54	0	3985.988	39.56	0
158.4766	0.0363	-5.75	0.79178	24.54	0	128.3879	5.05	-5.75
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	397.422	7.46	0
0	0	0	0.79178	24.54	0	0.341	3.91	0
0	0	0	0.79178	24.54	0	150.471	5.25	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	445.2625	7.89	0
0	0	0	0.79178	24.54	0	667.376	9.87	0
0	0	0	0.79178	24.54	0	973.1625	12.61	0
0	0	0	0.79178	24.54	0	8.1696	3.98	0
0	0	0	0.79178	24.54	0	161.475	5.35	0
0	0	0	0.79178	24.54	0	3564.425	35.79	0
0	0	0	0.79178	24.54	0	506.35	8.43	0
0	0	0	0.79178	24.54	0	17.8304	4.06	0
0	0	0	0.79178	24.54	0	57.5375	4.42	0
0	0	0	0.79178	24.54	0	556.5	8.88	0
0	0	0	0.79178	24.54	0	1764.325	19.68	0
0	0	0	0.79178	24.54	0	413.692	7.61	0
0	0	0	0.79178	24.54	0	32.1856	4.2	0
0	0	0	0.79178	24.54	0	35.842	4.23	0
0	0	0	0.79178	24.54	0	35.996	4.23	0
0	0	0	0.79178	24.54	0	66.609	4.5	0
0	0	0	0.79178	24.54	0	47.8824	4.33	0
0	0	0	0.79178	24.54	0	137.8779	5.14	0
0	0	0	0.79178	24.54	0	309.15	6.67	0
0	0	0	0.79178	24.54	0	83.36	4.65	0
0	0	0	0.79178	24.54	0	11.373	4.01	0
0	0	0	0.79178	24.54	0	32.448	4.2	0
0	0	0	0.79178	24.54	0	1079.789	13.56	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	791.575	10.98	0
0	0	0	0.63888	19.8	0	759.194	10.7	0
0	0	0	0.79178	24.54	0	0.171	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1367.538	16.13	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	550.598	8.83	0
0	0	0	0.79178	24.54	0	394.668	7.43	0
0	0	0	0.79178	24.54	0	323.522	6.8	0
0	0	0	0.79178	24.54	0	7.324	3.97	0
0	0	0	0.79178	24.54	0	0	3.91	0

0	0	0	0.63888	57.5	0	750.892	18.06	0
0	0	0	0.79178	23.75	0	156.731	5.18	0
640.875	0.0363	-23.27	0.79178	23.75	0	2816.875	28.97	-23.27
0	0	0	0.79178	23.75	0	2418.6	25.41	0
0	0	0	4.13699	124.1	131.62	5567.76	53.58	0
0	0	0	0.79178	23.75	0	2327.1	24.59	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	185.6	5.43	0
0	0	0	0.79178	23.75	0	64.175	4.35	0
0	0	0	0.79178	23.75	0	40.373	4.13	0
0	0	0	0.79178	23.75	0	185.602	5.43	0
25.709	0.0363	-0.94	0.79178	23.75	0	58.48	4.3	-0.94
0	0	0	0.79178	23.75	0	287.498	6.34	0
0	0	0	0.79178	23.75	0	146.38	5.09	0
0	0	0	0.79178	23.75	0	6888.32	65.38	0
0	0	0	0.79178	23.75	0	497.721	8.22	0
0	0	0	0.79178	23.75	0	212.12	5.67	0
0	0	0	4.13699	124.1	137.53	4783.56	46.56	0
343.853	0.0363	-12.49	0.79178	23.75	0	1689.55	18.88	-12.49
0	0	0	0.79178	23.75	0	385.097	7.22	0
693.253	0.0363	-25.17	0.79178	23.75	0	417.1341	7.51	-25.17
176.975	0.0363	-6.42	0.79178	23.75	0	808.8	11.01	-6.42
0	0	0	0.79178	23.75	0	307.291	6.52	0
0	0	0	0.79178	23.75	0	1392.679	16.23	0
0	0	0	0.63888	19.16	0	388.366	7.25	0
0	0	0	0.63888	19.16	0	729.692	10.3	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	512.179	8.36	0
0	0	0	0.79178	23.75	0	4.5	3.81	0
36.575	0.0363	-1.33	0.79178	23.75	0	847.75	11.36	-1.33
0	0	0	0.79178	23.75	0	157.7125	5.19	0
202.2	0.0363	-7.34	0.79178	23.75	0	489.788	8.16	-7.34
0	0	0	0.79178	23.75	0	4.891	3.81	0
0	0	0	0.79178	23.75	0	31.854	4.06	0
208.224	0.0363	-7.56	0.79178	23.75	0	289.606	6.37	-7.56
0	0	0	0.79178	23.75	0	98.975	4.66	0
0	0	0	0.79178	23.75	0	919.25	12	0
0	0	0	0.79178	23.75	0	352.7	6.93	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	291.781	6.39	0
2173.6	0.0363	-78.9	0.79178	23.75	0	3314.68	33.43	-78.9
0	0	0	0.79178	23.75	0	60.5875	4.32	0
0	0	0	0.79178	23.75	0	0	3.78	0
126.025	0.0363	-4.58	0.79178	23.75	0	169.525	5.29	-4.58
57.495	0.0363	-2.09	0.79178	23.75	0	697.046	10.01	-2.09
0	0	0	0.79178	23.75	0	333.0911	6.75	0
0	0	0	0.63888	19.16	0	12.599	3.89	0

0	0	0	0.79178	23.75	0	99.2125	4.66	0
0	0	0	0.79178	23.75	0	32.471	4.07	0
0	0	0	0.79178	23.75	0	340	6.82	0
0	0	0	0.63888	19.16	0	102.634	4.69	0
0	0	0	0.79178	23.75	0	29.402	4.03	0
0	0	0	0.79178	23.75	0	1212.114	14.62	0
0	0	0	0.79178	23.75	0	282.2375	6.3	0
0	0	0	0.79178	23.75	0	18.6625	3.95	0
158.7	0.0363	-5.76	0.79178	23.75	0	1147.925	14.04	-5.76
0	0	0	0.79178	23.75	0	29.392	4.03	0
48.0625	0.6963	-33.46	0.79178	23.75	0	513.4125	8.37	-33.46
0	0	0	0.79178	23.75	0	1138.851	13.96	0
0	0	0	0.79178	23.75	0	4656.5	45.43	0
119.746	0.0363	-4.35	0.79178	23.75	0	141.0179	5.03	-4.35
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	455.091	7.85	0
0	0	0	0.79178	23.75	0	0.124	3.78	0
0	0	0	0.79178	23.75	0	144.149	5.07	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	466.025	7.94	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	23.75	0	1073.488	13.37	0
0	0	0	0.79178	23.75	0	8.3814	3.85	0
0	0	0	0.79178	23.75	0	154.6	5.16	0
0	0	0	0.79178	23.75	0	3170.363	32.13	0
0	0	0	0.79178	23.75	0	7.8875	3.85	0
0	0	0	0.79178	23.75	0	14.4129	3.9	0
0	0	0	0.79178	23.75	0	48.7625	4.21	0
0	0	0	0.79178	23.75	0	627.8625	9.39	0
0	0	0	0.79178	23.75	0	2023.325	21.88	0
0	0	0	0.79178	23.75	0	509.481	8.33	0
0	0	0	0.79178	23.75	0	35.3031	4.09	0
0	0	0	0.79178	23.75	0	36.538	4.1	0
0	0	0	0.79178	23.75	0	39.181	4.12	0
0	0	0	0.79178	23.75	0	68.794	4.39	0
0	0	0	0.79178	23.75	0	51.3218	4.23	0
0	0	0	0.79178	23.75	0	131.7928	4.96	0
0	0	0	0.79178	23.75	0	302.6	6.49	0
0	0	0	0.79178	23.75	0	39.68	4.13	0
0	0	0	0.79178	23.75	0	13.533	3.9	0
0	0	0	0.79178	23.75	0	74.819	4.44	0
0	0	0	0.79178	23.75	0	1164.724	14.2	0
0	0	0	0.79178	23.75	0	0.16	3.78	0
0	0	0	0.79178	23.75	0	863.175	11.49	0
0	0	0	0.63888	19.16	0	404.326	7.39	0
0	0	0	0.79178	23.75	0	0.299	3.78	0

0	0	0	0.79178	23.75	0	0.099	3.78	0
0	0	0	0.79178	23.75	0	1491.703	17.11	0
0	0	0	0.79178	23.75	0	0.019	3.78	0
0	0	0	0.79178	23.75	0	600.938	9.15	0
0	0	0	0.79178	23.75	0	429.316	7.62	0
0	0	0	0.79178	23.75	0	350.987	6.92	0
0	0	0	0.79178	23.75	0	7.427	3.85	0
0	0	0	0.79178	23.75	0	0	3.78	0
0	0	0	0.79178	72.05	0	0	11.47	0
0	0	0	0.79178	24.54	0	332.661	6.88	0
325.2625	0.0363	-11.8	0.79178	24.54	0	4853.775	47.32	-11.8
0	0	0	0.79178	24.54	0	2685.6	27.92	0
0	0	0	4.13699	128.24	139.06	5598	53.97	0
0	0	0	0.79178	24.54	0	3185.8	32.4	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	258.44	6.22	0
0	0	0	0.79178	24.54	0	74.8875	4.57	0
0	0	0	0.79178	24.54	0	46.138	4.32	0
0	0	0	0.79178	24.54	0	192.117	5.63	0
15.317	0.0363	-0.56	0.79178	24.54	0	49.354	4.35	-0.56
0	0	0	0.79178	24.54	0	335.247	6.9	0
0	0	0	0.79178	24.54	0	159.528	5.33	0
0	0	0	0.79178	24.54	0	9109.48	85.38	0
0	0	0	0.79178	24.54	0	688.838	10.07	0
0	0	0	0.79178	24.54	0	237.56	6.03	0
0	0	0	4.13699	128.24	148.24	5655.72	54.49	0
214.693	0.0363	-7.79	0.79178	24.54	0	2153.562	23.17	-7.79
0	0	0	0.79178	24.54	0	481.751	8.21	0
504.5551	0.0363	-18.32	0.79178	24.54	0	578.5607	9.08	-18.32
117.6	0.0363	-4.27	0.79178	24.54	0	880.05	11.78	-4.27
0	0	0	0.79178	24.54	0	254.609	6.19	0
0	0	0	0.79178	24.54	0	1075.557	13.52	0
0	0	0	0.63888	19.8	0	416.67	7.63	0
0	0	0	0.63888	19.8	0	740.111	10.52	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	408.516	7.56	0
0	0	0	0.79178	24.54	0	4.7125	3.94	0
21.3125	0.0363	-0.77	0.79178	24.54	0	1032.463	13.14	-0.77
0	0	0	0.79178	24.54	0	187.1375	5.58	0
79.925	0.0363	-2.9	0.79178	24.54	0	751.705	10.63	-2.9
0	0	0	0.79178	24.54	0	42.391	4.28	0
0	0	0	0.79178	24.54	0	73.886	4.57	0
115.083	0.0363	-4.18	0.79178	24.54	0	383.865	7.34	-4.18
0	0	0	0.79178	24.54	0	24.525	4.12	0
0	0	0	0.79178	24.54	0	766.775	10.76	0
0	0	0	0.79178	24.54	0	455.2125	7.98	0
0	0	0	0.79178	24.54	0	0	3.91	0

0	0	0	0.79178	24.54	0	328.027	6.84	0
1098.04	0.0363	-39.86	0.79178	24.54	0	6081.4	58.29	-39.86
0	0	0	0.79178	24.54	0	26.7	4.14	0
0	0	0	0.79178	24.54	0	0.006	3.91	0
75.15	0.0363	-2.73	0.79178	24.54	0	278.55	6.4	-2.73
23.245	0.0363	-0.85	0.79178	24.54	0	1035.087	13.16	-0.85
0	0	0	0.79178	24.54	0	361.3941	7.13	0
0	0	0	0.63888	19.8	0	13.004	4.02	0
0	0	0	0.79178	24.54	0	58.1875	4.43	0
0	0	0	0.79178	24.54	0	33.71	4.21	0
0	0	0	0.79178	24.54	0	305.3125	6.64	0
0	0	0	0.63888	19.8	0	59.957	4.44	0
0	0	0	0.79178	24.54	0	33.408	4.21	0
0	0	0	0.79178	24.54	0	1229.127	14.9	0
0	0	0	0.79178	24.54	0	314.975	6.73	0
0	0	0	0.79178	24.54	0	17.6375	4.06	0
137.3375	0.0363	-4.98	0.79178	24.54	0	1147.913	14.17	-4.98
0	0	0	0.79178	24.54	0	39.177	4.25	0
25.8625	0.6963	-18.01	0.79178	24.54	0	627.45	9.52	-18.01
0	0	0	0.79178	24.54	0	1247.43	15.06	0
0	0	0	0.79178	24.54	0	4822.688	47.04	0
74.4492	0.0363	-2.71	0.79178	24.54	0	158.9508	5.33	-2.71
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	535.796	8.7	0
0	0	0	0.79178	24.54	0	1.727	3.92	0
0	0	0	0.79178	24.54	0	115.394	4.93	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	436.175	7.8	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1231.3	14.92	0
0	0	0	0.79178	24.54	0	10.2823	4	0
0	0	0	0.79178	24.54	0	165.2125	5.38	0
0	0	0	0.79178	24.54	0	3454.25	34.8	0
0	0	0	0.79178	24.54	0	48.0875	4.34	0
0	0	0	0.79178	24.54	0	17.9689	4.06	0
0	0	0	0.79178	24.54	0	51.625	4.36	0
0	0	0	0.79178	24.54	0	723.3875	10.38	0
0	0	0	0.79178	24.54	0	2035.588	22.11	0
0	0	0	0.79178	24.54	0	685.362	10.04	0
0	0	0	0.79178	24.54	0	40.3647	4.26	0
0	0	0	0.79178	24.54	0	39.47	4.26	0
0	0	0	0.79178	24.54	0	44.51	4.31	0
0	0	0	0.79178	24.54	0	70.248	4.54	0
0	0	0	0.79178	24.54	0	57.7128	4.42	0
0	0	0	0.79178	24.54	0	134.6989	5.11	0
0	0	0	0.79178	24.54	0	313.2875	6.7	0

0	0	0	0.79178	24.54	0	13.28	4.02	0
0	0	0	0.79178	24.54	0	15.04	4.04	0
0	0	0	0.79178	24.54	0	61.917	4.46	0
0	0	0	0.79178	24.54	0	1316.866	15.68	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	978.5125	12.65	0
0	0	0	0.63888	19.8	0	258.113	6.21	0
0	0	0	0.79178	24.54	0	0.415	3.91	0
0	0	0	0.79178	24.54	0	0.001	3.91	0
0	0	0	0.79178	24.54	0	1702.355	19.13	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	683.871	10.03	0
0	0	0	0.79178	24.54	0	488.155	8.27	0
0	0	0	0.79178	24.54	0	396.627	7.45	0
0	0	0	0.79178	24.54	0	7.912	3.98	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	214.153	5.82	0
153.625	0.0363	-5.58	0.79178	24.54	0	6229.663	59.63	-5.58
0	0	0	0.79178	24.54	0	3150.9	32.08	0
0	0	0	4.13699	128.24	142.12	5308.48	51.39	0
0	0	0	0.79178	24.54	0	3596.3	36.07	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	402.6	7.51	0
0	0	0	0.79178	24.54	0	37.5375	4.24	0
0	0	0	0.79178	24.54	0	49.147	4.34	0
0	0	0	0.79178	24.54	0	196.754	5.66	0
7.795	0.0363	-0.29	0.79178	24.54	0	58.057	4.43	-0.29
0	0	0	0.79178	24.54	0	339.637	6.95	0
0	0	0	0.79178	24.54	0	151.993	5.26	0
0	0	0	0.79178	24.54	0	9464.84	88.56	0
0	0	0	0.79178	24.54	0	662.993	9.84	0
0	0	0	0.79178	24.54	0	250.4	6.14	0
0	0	0	4.13699	128.24	174.21	7779.6	73.49	0
103.418	0.0363	-3.75	0.79178	24.54	0	2844.92	29.35	-3.75
0	0	0	0.79178	24.54	0	682.769	10.02	0
447.6246	0.0363	-16.25	0.79178	24.54	0	564.2483	8.95	-16.25
91.675	0.0363	-3.33	0.79178	24.54	0	903.3625	11.98	-3.33
0	0	0	0.79178	24.54	0	144.612	5.2	0
0	0	0	0.79178	24.54	0	928.297	12.2	0
0	0	0	0.63888	19.8	0	565.672	8.96	0
0	0	0	0.63888	19.8	0	833.705	11.36	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	402.533	7.51	0
0	0	0	0.79178	24.54	0	4.625	3.94	0
9.45	0.0363	-0.34	0.79178	24.54	0	1377.288	16.22	-0.34
0	0	0	0.79178	24.54	0	175.975	5.48	0
55.086	0.0363	-2	0.79178	24.54	0	875.707	11.74	-2

0	0	0	0.79178	24.54	0	43.249	4.3	0
0	0	0	0.79178	24.54	0	80.165	4.63	0
90.826	0.0363	-3.3	0.79178	24.54	0	542.61	8.76	-3.3
0	0	0	0.79178	24.54	0	27.1875	4.15	0
0	0	0	0.79178	24.54	0	926.9125	12.19	0
0	0	0	0.79178	24.54	0	629.6375	9.53	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	344.96	6.99	0
769.24	0.0363	-27.92	0.79178	24.54	0	8034.28	75.76	-27.92
0	0	0	0.79178	24.54	0	25.9125	4.14	0
0	0	0	0.79178	24.54	0	0	3.91	0
66.475	0.0363	-2.41	0.79178	24.54	0	371.925	7.23	-2.41
14.914	0.0363	-0.54	0.79178	24.54	0	1218.759	14.8	-0.54
0	0	0	0.79178	24.54	0	336.6429	6.91	0
0	0	0	0.63888	19.8	0	7.671	3.98	0
0	0	0	0.79178	24.54	0	148.175	5.23	0
0	0	0	0.79178	24.54	0	37.411	4.24	0
0	0	0	0.79178	24.54	0	346.9375	7.01	0
0	0	0	0.63888	19.8	0	733.319	10.47	0
0	0	0	0.79178	24.54	0	32.941	4.2	0
0	0	0	0.79178	24.54	0	1337.454	15.87	0
0	0	0	0.79178	24.54	0	341.2875	6.96	0
0	0	0	0.79178	24.54	0	16.725	4.05	0
68.3	0.0363	-2.48	0.79178	24.54	0	1409.988	16.52	-2.48
0	0	0	0.79178	24.54	0	38.469	4.25	0
13.5625	0.6963	-9.45	0.79178	24.54	0	670.8875	9.91	-9.45
0	0	0	0.79178	24.54	0	1411.67	16.53	0
0	0	0	0.79178	24.54	0	5711.113	54.98	0
68.4681	0.0363	-2.49	0.79178	24.54	0	148.462	5.23	-2.49
0	0	0	0.79178	24.54	0	11.356	4.01	0
0	0	0	0.79178	24.54	0	524.736	8.6	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	123.3	5.01	0
0	0	0	0.79178	24.54	0	0.216	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	502.8375	8.4	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1322.825	15.74	0
0	0	0	0.79178	24.54	0	9.575	3.99	0
0	0	0	0.79178	24.54	0	159.2875	5.33	0
0	0	0	0.79178	24.54	0	3675.813	36.78	0
0	0	0	0.79178	24.54	0	45.525	4.32	0
0	0	0	0.79178	24.54	0	16.8507	4.05	0
0	0	0	0.79178	24.54	0	30.0875	4.17	0
0	0	0	0.79178	24.54	0	866.0625	11.65	0
0	0	0	0.79178	24.54	0	2084.05	22.54	0
0	0	0	0.79178	24.54	0	524.217	8.6	0

0	0	0	0.79178	24.54	0	43.6444	4.3	0
0	0	0	0.79178	24.54	0	40.965	4.27	0
0	0	0	0.79178	24.54	0	48.214	4.34	0
0	0	0	0.79178	24.54	0	69.842	4.53	0
0	0	0	0.79178	24.54	0	61.7629	4.46	0
0	0	0	0.79178	24.54	0	132.8823	5.1	0
0	0	0	0.79178	24.54	0	316.7	6.74	0
0	0	0	0.79178	24.54	0	56.28	4.41	0
0	0	0	0.79178	24.54	0	15.65	4.04	0
0	0	0	0.79178	24.54	0	43.41	4.3	0
0	0	0	0.79178	24.54	0	1513.73	17.44	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1053.075	13.33	0
0	0	0	0.63888	19.8	0	77.178	4.59	0
0	0	0	0.79178	24.54	0	0.301	3.91	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	1867.607	20.61	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	0.79178	24.54	0	739.249	10.52	0
0	0	0	0.79178	24.54	0	533.106	8.67	0
0	0	0	0.79178	24.54	0	426.884	7.73	0
0	0	0	0.79178	24.54	0	11.297	4.01	0
0	0	0	0.79178	24.54	0	0	3.91	0
0	0	0	1.25411	56.15	0	695.932	17.57	0
0	0	0	1.54473	22.93	0	193.462	5.51	0
145.7875	0.0902	-6.74	1.54473	22.93	0	6025.863	57.67	-6.74
0	0	0	1.54473	22.93	0	3259.4	32.93	0
0	0	0	7.964	117.59	131.62	5088	49.29	0
0	0	0	1.54473	22.93	0	3799.3	37.76	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	138.92	5.01	0
0	0	0	1.54473	22.93	0	46.5	4.19	0
0	0	0	1.54473	22.93	0	49.014	4.21	0
0	0	0	1.54473	22.93	0	206.701	5.63	0
2.471	0.0902	-0.12	1.54473	22.93	0	70.671	4.41	-0.12
0	0	0	1.54473	22.93	0	343.902	6.85	0
0	0	0	1.54473	22.93	0	139.98	5.02	0
0	0	0	1.54473	22.93	0	8743.88	81.98	0
0	0	0	1.54473	22.93	0	809.752	11.02	0
0	0	0	1.54473	22.93	0	247.28	5.99	0
0	0	0	7.964	117.59	158.98	6869.6	65.22	0
88.378	0.0902	-4.1	1.54473	22.93	0	2829.701	29.08	-4.1
0	0	0	1.54473	22.93	0	494.449	8.2	0
354.864	0.0902	-16.52	1.54473	22.93	0	613.5854	9.26	-16.52
60.9625	0.0902	-2.86	1.54473	22.93	0	907.5875	11.89	-2.86
0	0	0	1.54473	22.93	0	158.896	5.2	0
0	0	0	1.54473	22.93	0	839.078	11.28	0

0	0	0	1.25411	18.65	0	506.95	8.31	0
0	0	0	1.25411	18.65	0	800.1	10.93	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	68.89	0	0	11.47	0
0	0	0	1.54473	22.93	0	385.377	7.22	0
0	0	0	1.54473	22.93	0	4.8125	3.81	0
11.9875	0.0902	-0.57	1.54473	22.93	0	1368.1	16.01	-0.57
0	0	0	1.54473	22.93	0	192.7875	5.5	0
76.976	0.0902	-3.31	1.54473	22.93	0	696.487	10.01	-3.31
0	0	0	1.54473	22.93	0	214.469	5.69	0
0	0	0	1.54473	22.93	0	12.948	3.89	0
93.493	0.0902	-4.11	1.54473	22.93	0	487.636	8.14	-4.11
0	0	0	1.54473	22.93	0	184.5625	5.43	0
0	0	0	1.54473	22.93	0	649.55	9.59	0
0	0	0	1.54473	22.93	0	515.325	8.39	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	346.741	6.87	0
421.72	0.0902	-19.69	1.54473	22.93	0	9607.56	89.7	-19.69
0	0	0	1.54473	22.93	0	25.075	4	0
0	0	0	1.54473	22.93	0	0	3.78	0
74.2875	0.0902	-3.38	1.54473	22.93	0	259.9	6.1	-3.38
30.312	0.0902	-1.25	1.54473	22.93	0	935.277	12.14	-1.25
0	0	0	1.54473	22.93	0	340.2529	6.82	0
0	0	0	1.25411	18.65	0	2.601	3.8	0
0	0	0	1.54473	22.93	0	53.825	4.25	0
0	0	0	1.54473	22.93	0	35.045	4.09	0
0	0	0	1.54473	22.93	0	407.375	7.42	0
0	0	0	1.25411	18.65	0	634.866	9.46	0
0	0	0	1.54473	22.93	0	31.396	4.06	0
0	0	0	1.54473	22.93	0	1386.301	16.18	0
0	0	0	1.54473	22.93	0	333.2375	6.75	0
0	0	0	1.54473	22.93	0	11.9375	3.88	0
59.75	0.0902	-2.76	1.54473	22.93	0	1589.325	17.99	-2.76
0	0	0	1.54473	22.93	0	31.168	4.06	0
18.425	1.4102	-12.98	1.54473	22.93	0	653.4375	9.62	-12.98
0	0	0	1.54473	22.93	0	1314.255	15.53	0
0	0	0	1.54473	22.93	0	5499.538	52.96	0
51.8123	0.0902	-2.43	1.54473	22.93	0	143.28	5.06	-2.43
0	0	0	1.54473	22.93	0	32.215	4.07	0
0	0	0	1.54473	22.93	0	541.697	8.62	0
0	0	0	1.54473	22.93	0	0.044	3.78	0
0	0	0	1.54473	22.93	0	174.418	5.33	0
0	0	0	1.54473	22.93	0	489.66	8.16	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	487.8125	8.14	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	1337.963	15.74	0

0	0	0	1.54473	22.93	0	17.0131	3.92	0
0	0	0	1.54473	22.93	0	157.3	5.18	0
0	0	0	1.54473	22.93	0	3556.513	35.58	0
0	0	0	1.54473	22.93	0	50.8	4.23	0
0	0	0	1.54473	22.93	0	15.0203	3.91	0
0	0	0	1.54473	22.93	0	54.3125	4.26	0
0	0	0	1.54473	22.93	0	800.2125	10.93	0
0	0	0	1.54473	22.93	0	2243.213	23.83	0
0	0	0	1.54473	22.93	0	695.468	10	0
0	0	0	1.54473	22.93	0	43.6319	4.17	0
0	0	0	1.54473	22.93	0	40.22	4.13	0
0	0	0	1.54473	22.93	0	48.018	4.21	0
0	0	0	1.54473	22.93	0	67.554	4.37	0
0	0	0	1.54473	22.93	0	61.3648	4.32	0
0	0	0	1.54473	22.93	0	128.6778	4.92	0
0	0	0	1.54473	22.93	0	210.9875	5.66	0
0	0	0	1.54473	22.93	0	30.04	4.04	0
0	0	0	1.54473	22.93	0	15.466	3.91	0
0	0	0	1.54473	22.93	0	64.654	4.35	0
0	0	0	1.54473	22.93	0	1517.276	17.34	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	1049.213	13.16	0
0	0	0	1.25411	18.65	0	388.85	7.26	0
0	0	0	1.54473	22.93	0	0.186	3.78	0
0	0	0	1.54473	22.93	0	0.001	3.78	0
0	0	0	1.54473	22.93	0	1832.711	20.17	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	1.54473	22.93	0	734.803	10.35	0
0	0	0	1.54473	22.93	0	525.542	8.48	0
0	0	0	1.54473	22.93	0	419.68	7.53	0
0	0	0	1.54473	22.93	0	11.975	3.88	0
0	0	0	1.54473	22.93	0	0	3.78	0
0	0	0	0.75295	23.33	0	183.638	5.55	0
186.0125	0.0539	-10.02	0.75295	23.33	0	5090.263	49.43	-10.02
0	0	0	0.75295	23.33	0	3244.8	32.93	0
0	0	0	3.82701	118.64	137.53	5286.16	51.19	0
0	0	0	0.75295	23.33	0	3546.1	35.62	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	95.04	4.76	0
0	0	0	0.75295	23.33	0	76.6375	4.59	0
0	0	0	0.75295	23.33	0	49.277	4.35	0
0	0	0	0.75295	23.33	0	213.836	5.81	0
4.026	0.0539	-0.22	0.75295	23.33	0	62.996	4.47	-0.22
0	0	0	0.75295	23.33	0	259.967	6.23	0
0	0	0	0.75295	23.33	0	137.659	5.13	0
0	0	0	0.75295	23.33	0	9029.6	84.66	0
0	0	0	0.75295	23.33	0	1483.781	17.18	0

0	0	0	0.75295	23.33	0	1877.8	20.7	0
0	0	0	3.82701	118.64	138.3	6216.24	59.5	0
129.289	0.0539	-6.97	0.75295	23.33	0	2297.335	24.45	-6.97
0	0	0	0.75295	23.33	0	516.228	8.52	0
425.7618	0.0539	-22.95	0.75295	23.33	0	542.7506	8.76	-22.95
19.3375	0.0539	-1.05	0.75295	23.33	0	2515.65	26.41	-1.05
0	0	0	0.75295	23.33	0	218.767	5.86	0
0	0	0	0.75295	23.33	0	947.738	12.38	0
0	0	0	0.61523	19.06	0	486.762	8.26	0
0	0	0	0.61523	19.06	0	734.847	10.48	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	377.399	7.28	0
0	0	0	0.75295	23.33	0	4.7375	3.94	0
12.7	0.0539	-0.68	0.75295	23.33	0	1193.388	14.58	-0.68
0	0	0	0.75295	23.33	0	214.6	5.82	0
59.833	0.0539	-3.22	0.75295	23.33	0	770.374	10.8	-3.22
0	0	0	0.75295	23.33	0	161.186	5.35	0
0	0	0	0.75295	23.33	0	110.647	4.89	0
92.169	0.0539	-4.97	0.75295	23.33	0	375.487	7.27	-4.97
0	0	0	0.75295	23.33	0	124.0875	5.01	0
0	0	0	0.75295	23.33	0	581.775	9.11	0
0	0	0	0.75295	23.33	0	497.8	8.35	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	350.929	7.05	0
485.76	0.0539	-26.18	0.75295	23.33	0	10485.52	97.69	-26.18
0	0	0	0.75295	23.33	0	751.0625	10.62	0
0	0	0	0.75295	23.33	0	0	3.91	0
59.15	0.0539	-3.19	0.75295	23.33	0	335.625	6.9	-3.19
18.279	0.0539	-0.99	0.75295	23.33	0	1044.143	13.24	-0.99
0	0	0	0.75295	23.33	0	337.5853	6.92	0
0	0	0	0.61523	19.06	0	0.067	3.91	0
0	0	0	0.75295	23.33	0	55.3625	4.41	0
0	0	0	0.75295	23.33	0	34.502	4.22	0
0	0	0	0.75295	23.33	0	373.5375	7.24	0
0	0	0	0.61523	19.06	0	74.113	4.57	0
0	0	0	0.75295	23.33	0	31.02	4.19	0
0	0	0	0.75295	23.33	0	1295.703	15.49	0
0	0	0	0.75295	23.33	0	336.9125	6.91	0
0	0	0	0.75295	23.33	0	11.725	4.01	0
66.9875	0.0539	-3.61	0.75295	23.33	0	1319.7	15.71	-3.61
0	0	0	0.75295	23.33	0	50.972	4.36	0
13.0375	0.7139	-9.31	0.75295	23.33	0	822.3375	11.26	-9.31
0	0	0	0.75295	23.33	0	1227.794	14.89	0
0	0	0	0.75295	23.33	0	4795.875	46.8	0
55.4509	0.0539	-2.99	0.75295	23.33	0	169.2254	5.42	-2.99
0	0	0	0.75295	23.33	0	32.092	4.2	0
0	0	0	0.75295	23.33	0	505.392	8.42	0

0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	151.559	5.26	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	471.8	8.12	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	1348.863	15.97	0
0	0	0	0.75295	23.33	0	10.156	4	0
0	0	0	0.75295	23.33	0	157.4125	5.31	0
0	0	0	0.75295	23.33	0	3483.825	35.06	0
0	0	0	0.75295	23.33	0	97.3	4.78	0
0	0	0	0.75295	23.33	0	15.4824	4.04	0
0	0	0	0.75295	23.33	0	25.7375	4.13	0
0	0	0	0.75295	23.33	0	716.9	10.31	0
0	0	0	0.75295	23.33	0	2073.7	22.46	0
0	0	0	0.75295	23.33	0	569.307	8.99	0
0	0	0	0.75295	23.33	0	43.9332	4.3	0
0	0	0	0.75295	23.33	0	40.923	4.27	0
0	0	0	0.75295	23.33	0	48.292	4.34	0
0	0	0	0.75295	23.33	0	69.163	4.53	0
0	0	0	0.75295	23.33	0	61.9319	4.46	0
0	0	0	0.75295	23.33	0	132.8148	5.09	0
0	0	0	0.75295	23.33	0	214.4125	5.82	0
0	0	0	0.75295	23.33	0	37.88	4.24	0
0	0	0	0.75295	23.33	0	16.139	4.05	0
0	0	0	0.75295	23.33	0	41.766	4.27	0
0	0	0	0.75295	23.33	0	1507.624	17.39	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	1051.963	13.31	0
0	0	0	0.61523	19.06	0	178.972	5.51	0
0	0	0	0.75295	23.33	0	0.115	3.91	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	1865.674	20.59	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.75295	23.33	0	738.784	10.51	0
0	0	0	0.75295	23.33	0	528.999	8.64	0
0	0	0	0.75295	23.33	0	425.44	7.71	0
0	0	0	0.75295	23.33	0	12.52	4.02	0
0	0	0	0.75295	23.33	0	0	3.91	0
0	0	0	0.61523	55.36	0	406.159	15.27	0
0	0	0	0.75295	22.58	0	146.711	5.16	0
275.425	0.0539	-14.85	0.75295	22.58	0	3746.75	39.35	-14.85
0	0	0	0.75295	22.58	0	2386.2	26.53	0
0	0	0	3.82701	114.81	140.49	4977.44	50.94	0
0	0	0	0.75295	22.58	0	3410.2	36.2	0
0	0	0	0.75295	22.58	0	0	3.78	0
0	0	0	0.75295	22.58	0	111.76	4.83	0

0	0	0	0.75295	22.58	0	45.3125	4.2	0
0	0	0	0.75295	22.58	0	43.844	4.18	0
0	0	0	0.75295	22.58	0	199.874	5.68	0
8.684	0.0539	-0.47	0.75295	22.58	0	57.578	4.31	-0.47
0	0	0	0.75295	22.58	0	236.173	6.02	0
0	0	0	0.75295	22.58	0	131.006	5.02	0
0	0	0	0.75295	22.58	0	8439.24	84.11	0
0	0	0	0.75295	22.58	0	1631.22	19.35	0
0	0	0	0.75295	22.58	0	225.92	5.91	0
0	0	0	3.82701	114.81	76.9	2837.56	30.49	0
171.177	0.0539	-9.23	0.75295	22.58	0	1721.957	20.1	-9.23
0	0	0	0.75295	22.58	0	370.06	7.27	0
635.598	0.0539	-34.25	0.75295	22.58	0	449.491	8.05	-34.25
113.7125	0.0539	-6.13	0.75295	22.58	0	1088.963	14.16	-6.13
0	0	0	0.75295	22.58	0	151.049	5.21	0
0	0	0	0.75295	22.58	0	1071.941	13.99	0
0	0	0	0.61523	18.45	0	156.986	5.25	0
0	0	0	0.61523	18.45	0	679.994	10.21	0
0	0	0	0.75295	22.58	0	0	3.78	0
0	0	0	0.75295	22.58	0	391.488	7.49	0
0	0	0	0.75295	22.58	0	117.575	4.91	0
18.3125	0.0539	-0.99	0.75295	22.58	0	772.65	11.11	-0.99
0	0	0	0.75295	22.58	0	200.7375	5.68	0
102.455	0.0539	-5.52	0.75295	22.58	0	552.93	9	-5.52
0	0	0	0.75295	22.58	0	108.368	4.79	0
0	0	0	0.75295	22.58	0	498.137	8.47	0
151.099	0.0539	-8.14	0.75295	22.58	0	242.41	6.07	-8.14
0	0	0	0.75295	22.58	0	1044.725	13.94	0
0	0	0	0.75295	22.58	0	610.7625	9.58	0
0	0	0	0.75295	22.58	0	344.7	7.04	0
0	0	0	0.75295	22.58	0	0	3.78	0
0	0	0	0.75295	22.58	0	320.906	6.82	0
1282.48	0.0539	-69.12	0.75295	22.58	0	7125.48	71.32	-69.12
0	0	0	0.75295	22.58	0	1434.363	17.35	0
0	0	0	0.75295	22.58	0	0.088	3.78	0
73.4875	0.0539	-3.96	0.75295	22.58	0	219.1625	5.85	-3.96
25.25	0.0539	-1.36	0.75295	22.58	0	754.065	10.9	-1.36
0	0	0	0.75295	22.58	0	327.1392	6.87	0
0	0	0	0.61523	18.45	0	1.907	3.79	0
0	0	0	0.75295	22.58	0	72.3125	4.46	0
0	0	0	0.75295	22.58	0	22.772	3.98	0
0	0	0	0.75295	22.58	0	248.025	6.15	0
0	0	0	0.61523	18.45	0	341.224	6.96	0
0	0	0	0.75295	22.58	0	29.314	4.06	0
0	0	0	0.75295	22.58	0	1119.415	14.42	0
0	0	0	0.75295	22.58	0	301.0875	6.61	0
0	0	0	0.75295	22.58	0	17.3375	3.93	0

119.15	0.0539	-6.42	0.75295	22.58	0	1147.563	14.69	-6.42
0	0	0	0.75295	22.58	0	40.988	4.17	0
11.6875	0.7139	-8.35	0.75295	22.58	0	688.3	10.26	-8.35
0	0	0	0.75295	22.58	0	1414.388	17.23	0
0	0	0	0.75295	22.58	0	3921.125	40.94	0
76.7372	0.0539	-4.14	0.75295	22.58	0	154.0763	5.24	-4.14
0	0	0	0.75295	22.58	0	29.492	4.06	0
0	0	0	0.75295	22.58	0	461.196	8.14	0
0	0	0	0.75295	22.58	0	0.344	3.78	0
0	0	0	0.75295	22.58	0	134.242	5.02	0
0	0	0	0.75295	22.58	0	0	3.78	0
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0	0	0	0.75295	22.58	0	1209.925	15.25	0
0	0	0	0.75295	22.58	0	9.8084	3.86	0
0	0	0	0.75295	22.58	0	173.1	5.42	0
0	0	0	0.75295	22.58	0	3353.5	35.62	0
0	0	0	0.75295	22.58	0	128.475	5	0
0	0	0	0.75295	22.58	0	12.4833	3.89	0
0	0	0	0.75295	22.58	0	29.95	4.06	0
0	0	0	0.75295	22.58	0	608	9.55	0
0	0	0	0.75295	22.58	0	1922.613	22.02	0
0	0	0	0.75295	22.58	0	438.164	7.92	0
0	0	0	0.75295	22.58	0	39.7342	4.14	0
0	0	0	0.75295	22.58	0	38.323	4.13	0
0	0	0	0.75295	22.58	0	43.532	4.18	0
0	0	0	0.75295	22.58	0	65.17	4.39	0
0	0	0	0.75295	22.58	0	56.4222	4.3	0
0	0	0	0.75295	22.58	0	127.9675	4.99	0
0	0	0	0.75295	22.58	0	265.0875	6.29	0
0	0	0	0.75295	22.58	0	38.84	4.15	0
0	0	0	0.75295	22.58	0	14.806	3.91	0
0	0	0	0.75295	22.58	0	42.344	4.18	0
0	0	0	0.75295	22.58	0	1345.113	16.53	0
0	0	0	0.75295	22.58	0	0	3.78	0
0	0	0	0.75295	22.58	0	951.825	12.81	0
0	0	0	0.61523	18.45	0	146.607	5.18	0
0	0	0	0.75295	22.58	0	0.179	3.78	0
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0	0	0	0.75295	22.58	0	1704.947	19.95	0
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0	0	0	0.75295	22.58	0	680.642	10.24	0
0	0	0	0.75295	22.58	0	485.5	8.37	0
0	0	0	0.75295	22.58	0	385.687	7.44	0
0	0	0	0.75295	22.58	0	11.456	3.88	0
0	0	0	0.75295	22.58	0	0	3.78	0

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NDTOU	ND1
NDTOU	ND1
NDM	NDMO21
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NDM	NDMO21
NDM	NDMO21
NDTOU	ND1
NDM	NDMO21
NDTOU	ND1
NDTOU	ND1
NDTOU	ND1
NDTOU	ND1
NDTOU	ND1
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NDTOU	ND1
NDMO21	NDM
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WARRNAMBOOL
CITY COUNCIL

Warrnambool City Council Community Development Fund

2024/25 GUIDELINES – ROUND 2

The Community Development Fund grant program has operated since 1999 to support not-for-profit groups, based in Warrnambool, to fund projects and activities that contribute to the liveability of the City.

Whilst the fund aims to improve the liveability of the City, priority is placed on proposals that;

- Focus on addressing access and inclusion outcomes for women & girls and people with a disability
- Proposals that target and encourage participation and community involvement in creative outcomes.

Aims

The Community Development Fund grants aim to:

- partner with community to support shared outcomes
- provide the opportunity for community to identify and respond to local issues, concerns and priorities that align with Council priorities
- build community capacity
- empower the community to take an active role in improving their quality of life

Objectives

The objectives of the grant is to support:

- Community and cultural events that are open to all residents and celebrate diversity and inclusion
- Community programs for residents which enhance community connection, social inclusion and resilience
- Programs and activities for residents that encourage physical activity and active living
- Innovative programs responding to health and wellbeing issues, including gender inequality and wellbeing
- Programs that help residents and community groups contribute to sustainability through reducing waste, recovering or re-using resources or educating the community on sustainable living practices

Key dates

Funding Round Open	Monday 24 March 2025
Funding Round Close	Sunday 4 May 2025
Report submitted for endorsement to Council	2 June 2025
Applicants notified of funding outcome	3 June 2025
Project completed	June 2025 to June 2026
Project acquitted	By 30 June 2026

Grant categories

Applications that are eligible will fall under one of the following categories, and will be assessed based on the criteria rank, if applicable, within that category.

Only one application per group/individual will be accepted. Late applications will not be accepted.

Sport & Recreation – up to $5,000

1. ACCESS & INCLUSION
Projects that create opportunities for participation for women & girls and people with a disability

2. INCREASE PARTICIPATION
Innovative projects that increase participation and raise awareness of club activity

3. CAPACITY BUILDING
Training and/or development opportunities that improve the governance or culture of the club

4. EQUIPMENT PURCHASE
Purchase of items that contribute to the capacity of a club to deliver programs (must have a participation outcome)

Culture & Arts – up to $5,000

1. ACCESS & INCLUSION
Projects that increase access to creative activities for people with a disability or young people

2. INCREASE PARTICIPATION
Innovative projects that encourage community participation in creative activities

3. CAPACITY BUILDING
Not for profit development opportunities open to community that expand knowledge, improve skill or introduce new techniques, methods or opportunities for creative expression, or increases the strength and capacity of the club or organisation

4. EXHIBITION/PERFORMANCE
Venue hire and/or purchase of items that contribute to the capacity of an artist or group to deliver performances/exhibitions or programs

Environment & Sustainability – up to $5,000

1. GREEN WARRNAMBOOL
Development and delivery of environmental or sustainability projects or programs within the municipality, including equipment purchase of assets that contribute to the capacity of a club or organisation to deliver environmental or sustainability programs

2. ZERO WARRNAMBOOL
Renewable energy, water efficiency & sustainability improvements to community buildings and facilities to reduce greenhouse gas emissions and/or save water

3. ADAPTABLE WARRNAMBOOL
Activities or programs that support and prepare the club or organisation for climate change adaption

4. WISE WARRNAMBOOL
Development and delivery of activities or programs that support a closed loop or circular economy and/or seek to conserve, avoid, reduce, re-use or recycle waste and resources

5. NATURALLY WARRNAMBOOL
Projects that undertake revegetation, including maintenance and infill planting of previous revegetation sites and/or weed control or pest animal activities

6. BLUE WARRNAMBOOL
Projects and programs that save water and protect waterways, coastal areas and the marine environment

Assessment Criteria

The Community Development Fund is a competitive application process.

Applications are assessed against the assessment criteria below.

Criteria	Weighting
The project addresses the community need as described in the Grant Category & Criteria and how the community will benefit	**30%**
The project encourages and enables participation of a variety of local residents and provides evidence of community support and involvement	**30%**
The applicant is able to successfully manage the described project, and meet its proposed outcomes and details how the fund will assist in the development or sustainability of the group	**25%**
The application budget accurately reflects the activities and resources required to deliver the project successfully	**15%**

Guidelines – Round 2

The Community Development Fund is a competitive process and funds are awarded based on merit according to the weighted criteria. Canvassing of Councillors is prohibited. This means that you can't contact a Councillor and ask them to put in a good word, or help you get your grant approved.

Council provides funding for the term specified in the Funding Terms and Conditions.

Council reserves the right to withdraw support or ask for funds to be returned if clubs do not comply with Council policy or written agreement entered into.
The total funding pool for 2024/25 Round 2 is $100,000 with the following allocations aligned to each category.

- Sport & Recreation $45,000
- Culture & Arts $35,000
- Environmental & Sustainability $20,000

If the total pool of funding in each category is not expended then any remainder will be redirected to other categories where applications exceed the funding pool.

Applications are ranked according to project merit, equity and balance of funds available. In some situations, Council may provide grant funding to a lesser amount than requested. (i.e. when parts of an application do not meet funding eligibility). In these cases, Council officers will liaise with applicants prior to final recommendation to Council.

Levels of funding may be proportionally reduced to provide support based on;

- The group's ability to proceed with the proposed project if offered less support, or
- Groups that have received funding in the past two (2) years

Council affirms that artists should be paid for their work and earn income from copyright and royalties. We consider the payment of artists for their work and project management costs to be integral to effective budgeting and planning, and we require information on artist's payment to ne available within funding applications. Where artists or musicians are engaged or apply for funding payment must be in accordance with industry benchmarks.
https://creative.gov.au/investment-and-development/protocols-and-resources/payment-of-artists/

Eligibility - Who is eligible to apply?

All applications are checked against the eligibility criteria. At this stage of the assessment process, applicants who are not eligible will be removed from the process.

To be eligible for grant funding, applications must meet the following criteria;

- Applicants must be registered as a not-for-profit incorporated association (group must have committee endorsement to do so and evidence of, provided with application), or Auspiced by an incorporated not-for-profit organisation that is able to accept legal and financial responsibility for the grant and activity.
- Applicants must be based in Warrnambool City municipality
- Applications must have a focus on the Community Development Fund aims and objectives and provide outcomes based on fund category;
- provide an ABN or completed Statement by Supplier form
- have no outstanding debts to Council
- provide an incorporation number
- provide one written quote for each individual item or service that is essential for the delivery of the proposed activity
- have completed an acquittal (financial reporting form) for any previous grant funding rounds

Who is not eligible to apply?

Applicants will not be eligible for funding if they are;

- An Individual (Exception: the Culture & Arts category accepts individual applications, but applicants must be Auspiced by a not-for-profit, incorporated organisation).
- A Committee of Council including Advisory Committees, Committees of Management or Sub-Committees.
- A group that is already receiving substantial financial support from Council for other projects
- Groups that have access to substantive levels of current funding not generally available to local clubs or organisations, including those clubs that operate gaming machines
- For-profit or commercial organisations or groups, schools and community-based or health-based agencies
- Groups that have already received Council support through other grant programs in the same financial year
- Groups that have already received funding in 2024/25 Community Development Fund Round 1

What will not be funded?

Funding will not be considered for;

- applications that are not consistent with Council Plan priorities or Community Development Fund objectives
- activities that have already commenced or occurred
- activities that are the responsibilities of other tiers of government (eg State or Federal)
- activities with a religious focus. Eg: activities that include religious service, education, preaching or proselytising, or those that exclude community members or different faiths from participating
- party political activities
- core operational funding
- projects that are being, or have already been, funded through other Council grant or sponsorship programs
- fixed/permanent equipment, building maintenance or capital improvements (unless the equipment meets Zero Warrnambool criteria)
- projects that duplicate existing services and programs
- alcohol, tobacco, gambling related activities
- projects that mostly address shortfalls in funding from other Local Governments, State and/or Federal Government. (eg: projects that have run out of money part-way through, been defunded by other organisations or use Council funds to 'top up' existing projects)
- activities, programs or services run by or funded by Council
- attendance at tradeshows, conferences, teaching programs/lectures, university open days, commercial theatre, recurring markets
- fundraising activities, competitions, prizes
- projects that include the establishment of a social enterprise
- incomplete applications
- late submissions
- organisations with outstanding acquittals with Council

Auspiced Grant Projects

Grant funds are only paid to a legally incorporated group. Applicants based in Warrnambool that are not legally incorporated, may apply for a grant if their project is for the benefit of the Warrnambool City community and they are auspiced by a legally incorporated, not-for-profit group or organisation.

An auspice organisation manages the funds on behalf of the applicant group and is fully responsible for ensuring that the grant funds are applied, managed and expended in accordance with these Guidelines.

Acquittal

The Acquittal form will be a reconciled statement of expenditure and income associated with the grant. It will ask the applicant to provide details on the outcomes of the project that were achieved as a result of the funding. You will also be required to attach:

1. Evidence of how Council's support for the project was recognised;
2. An actual income and expenditure budget for the project, including proof of purchase remittance slip or invoice/statement (**showing zero balance**) and/or receipts for all items purchased using funding from Council; and
3. Photo evidence that showcases the completed project and community participation.

Budget

Funding may cover the entire cost of the project or part thereof.

If the funding does not cover the cost of the whole project, the applicant will need to demonstrate that sufficient funds are available to cover the entire project.

Decisions are final and cannot be disputed. Feedback, post assessment may be sought however applicants must understand that this is a competitive process and the dollars applied for often exceed the funding available.

Written Quotations

One written quote is required for each individual item or service being funded. Quotes for professional services should indicate the qualification or certification of the professional being engaged.

Applicants are encouraged to seek local quotes and spend funding locally.

ABN and GST

GST registration status can be checked by looking up an ABN at www.abr.gov.au Organisations that do not have an ABN must supply a completed Australian Taxation Office Statement by a Supplier form, and attach it to their application.

Council will fund the allocated amount and will not include GST.

Assessment, Notification and Receiving funds

Submitted grant applications are assessed by a panel of Council Officers representing expertise in each of the categories.

Recommendations will be provided for Council endorsement.

The decision to award grants is made by the Warrnambool City Council and decisions will be final.
Applicants will be advised in writing according to the grant round dates.

Council requires all persons involved in grant assessments to disclose any conflict of interest, real or apparent.

Help is available

Council Officers are available if you have any questions or require assistance applying online. Applicants are required to contact the relevant Council Officer prior to submitting an application in Smartygrants

Category	Contact	Email
Sport & Recreation	Recreation Team	**recreation@warrnambool.vic.gov.au**
Culture & Arts	Cultural Development Coordinator	**creative@warrnambool.vic.gov.au**
Environment & Sustainability	Sustainability & Environment Team	**green@warrnambool.vic.gov.au**

Council Officers can be contacted during office hours on 1300 003 280 or (03) 5559 4900.

For grant information, previous year grant recipients and online application information:
www.warrnambool.vic.gov.au/community-funding-programs

Terms and conditions

Funding and Service Agreement

In accepting a Community Development Fund grant, the group must be willing to adhere to and agree to the following grant conditions: Funded recipients will receive a letter which acts as the Funding Agreement with Council. The agreement;

- Establishes the collaborative arrangement between Council and the funded group, based on the principles of cooperation and partnership
- Outlines the funding allocation and conditions of use
- Includes general funding conditions relating to the payment of the grant

General Conditions

The applicant will need to complete a NAR form, including bank details by the specified date for the funding to be released. Funding will not be made available after this date.

Funded programs will be monitored by a relevant Council Officer to provide support and monitor progress.
Applications are assessed based on merit and changes to the use of Council funding for purposes other than outlined in the Agreement are not permitted. If the grant is not utilised for the stated purpose, the organisation must return, in full, the allocated amount. Funding that remains unspent upon the end of the Agreement must be repaid to Council within one month (of the end of the Agreement), unless activity changes are approved by Council in writing within 14 days of notification.

Allocation of funds to a community organisation for any purpose, in any funding round, must not be taken as a commitment by Council to provide additional or recurrent funding beyond that specifically provided for in the Agreement.

Funded activities must be completed by 30 June 2026, unless an alternative arrangement has been approved by Council in writing (prior to the activity completion date).

The Agreement is governed by and is construed to be in accordance with the laws of Victoria.

Successful applicants must comply with all relevant State and Federal Government legislation that apply to pertaining to the funded activity. If the funded activity involves contact with children, your club or organisation may be required to obtain a Working with Children (WWC) Check.

Activities arising from the grant allocation must take place within the City of Warrnambool and benefit Warrnambool residents. Council is not responsible for meeting any shortfall should the project run over budget.

Council will publicly report all grants awarded.

Permits
If a permit is required for the funded activity, funded recipients must comply with all Council requirements. This includes matters such as road closures, outdoor advertising and temporary food premises.

Funding Allocation
Council will deposit funds into the successful group's bank account, which is to be in the name of the organisation nominated in the Application Form.
Council disclaims all liability and responsibility for any direct or indirect loss to the recipient after the release of funding.

Insurance
Funded recipients, or the auspicing organisation, must take out and keep current during the period of the Agreement, public liability insurance. The public liability policy must be for a minimum of $20 million.

The public liability insurance ensures Council and the recipient against all actions, costs, claims, charges, expenses, and damages whatsoever which may be brought or made or claimed against them arising out of, or in relation to, the funded activity.

A copy of the Certificate of Currency is to be provided to Council before commencement of the funded activity. Funded recipients must also maintain WorkCover insurance, where relevant.

Acknowledgement Requirements
Funded recipients are required to acknowledge receipt of financial assistance from Council in any promotion, publication or advertising of the activities. This includes the use of Council's logo and giving Councillors and officers the opportunity to attend relevant promotional events.

Acquittal and Activity Completion Report
Council reserves the right to conduct financial and performance audits for funding it has provided. Consequently, funded recipients are required to maintain full records of receipts of activity expenditure and performance outputs/outcomes for the relevant period. These records are to be made available to Council and its officers/agents upon request.

Funded recipients are required to complete a Financial Acquittal Report (acquittal) by 30 June 2025. This report certifies that the activity and funding was carried out in accordance with the Agreement. It should include a completed proof of expenditure of Council funds (receipts and invoices) and copies of marketing material used to promote the funded activity.

Failure to provide a satisfactory acquittal may result in a funded group or organisation being deemed ineligible to receive any further funding from Council. Council's reporting is directly linked to its requirement to report on how public funds are spent and whether funded groups and organisations have achieved the desired end result. While Council is committed to minimising administrative processes, it is also committed to the collection of high quality information that may be communicated across Council and the community.

Privacy and Indemnity
The Council, its servants, agents and employees shall not be responsible at any time for any liabilities incurred or entered into by the recipient organisation as a result of, or arising out of that organisation's responsibilities under the Grant Agreement.

The recipient shall release and indemnify the Council, its servants and employees against any claim, demand, liability, costs, expenses, actions arising out of or in any way connected with the activities of the recipient, or the recipient's agents in consequence of the authorisation/funding agreement except where the claim, demand, liability, costs or action are caused by the Council, its servants or agents.

Applicant	Project Title	Funding Category	Amount Requested	Total CDF Allocated	Weighted Average Score	Assessment Panel Comments
Find Your Voice Collective	Find Your Voice Collective | Studio Arts Program	Culture and Arts (capacity building)	$4,500	$4,500	91%	Eligible, to be fully funded
Russell Creek Landcare Group	Inspiring volunteers through revegetation works to enhance Russell Creek habitat.	Environment and Sustainability (naturally wbool)	$4,900	$4,900	91%	Eligible, to be fully funded (needs reveg application)
Warrnambool Symphony Orchestra Inc	Annual Children's Concert	Culture and Arts (exhibition/performance)	$4,430	$4,430	87%	Eligible, to be fully funded
Warrnambool Community Garden	Connecting health, creativity and community at the Community Garden Market	Environment and Sustainability (green wbool)	$5,000	$5,000	83%	Eligible, to be fully funded
City of Warrnambool Rowing club	Oarswomen Training and Competiton Equipment	Sport and Recreation (equipment purchase)	$5,000	$5,000	80%	Eligible, to be fully funded
Warrnambool Organ Festival	Warrnambool's Last Night of the Proms	Culture and Arts (exhibition/performance)	$4,669	$4,669	78%	Eligible, to be fully funded
South C Dragons Inc.	Community Connection Through Modern Technology	Sport and Recreation (equipment purchase)	$2,518	$2,518	78%	Eligible, to be fully funded
Warrnambool Springers Gymnastics Inc.	Gymnastic flooring upgrade for enhancement of athlete performance and safety.	Sport and Recreation (access & inclusion)	$5,000	$5,000	74%	Eligible, to be fully funded
Warrnambool Dog Training School Inc	Signage for Visibility and Community Engagement	Sport and Recreation (increase participation)	$4,181	$4,181	73%	Eligible, to be fully funded
Warrnambool Camera Club Incorporated	Improving and Increasing Engagement	Culture and Arts (access & inclusion)	$4,969	$4,969	72%	Eligible, to be fully funded
Mens Shed Warrnambool	Upgrade to Community Facilities	Sport and Recreation (increase participation)	$6,852	$5,000	65%	Eligible, to be fully funded
Kiwanis Club of Warrnambool	Barbeque Fundraising Trailer upgrade	Sport and Recreation (equipment purchase)	$5,000	$5,000	64%	Eligible, to be fully funded
Breakwater Barbell	Purchase of critical training equipment	Sport and Recreation (equipment purchase)	$5,000	$5,000	63%	Eligible, to be fully funded
Warrnambool Masters Swimming Club	Swim Training Equipment	Sport and Recreation (equipment purchase)	$931	$931	58%	Eligible, to be fully funded
Beach Patrol Australia Incorporated	Enclosed Equipment Trailer for Beach Patrol 3280–3284.	Environment and Sustainability (green wbool)	$4,830	$0		Not eligible, received grant funds in Round 1, so not assessed
Warrnambool Coastcare Landcare Network Inc.	Revegetation work at Victoria Park	Environment and Sustainability (naturally wbool)	$3,205	$0		Not eligible, received grant funds in Round 1, so not assessed
Warrnambool Wolves FC	Website	Sport and Recreation (increase participation)	$5,140	$0		Not eligible, received grant funds in Round 1, so not assessed
Southwest Strength Sports Inc	Event Specific Facillity Improvements	Sport and Recreation (equipment purchase)	$5,000	$0		Not eligible, received grant funds in Round 1, so not assessed
			$81,125	**$61,098**		

Warrnambool City Council Cycling Reference Group: Minutes

Wednesday 7 May 2025 5.30pm-6.30pm Council Offices

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
1. Attendees/ Apologies	**Chair**	**Attendees:** Council Officers: Shaun Lucas (SL), Stephanie Bant (SB). Committee Members: Richard Adams (RA), Hannah-Lee Obst (HO), Michael Keiler (MK), Zoe Brittain (ZB). **Apologies:** Council Officers: Kyme Rowe (KR), Councillor Representative: Matthew Walsh (MW) Committee Members: Freek den Braber (FDB), Helen Ryan (HR), Leigh Monaghan (LM), Ellen Troitzsh (ET), • SL noted that FDB was an apology. HO confirmed she was happy to be chair as the appointed Deputy. • SL noted there were quite a few last minutes apologies. Thanked those that attended last meeting.
2. Actions from previous meetings	**SL**	**Cycling Reference Group Actions List 2024/25:** *Refer to separate attachment (ECM Doc ID: 11855366)* • SL noted there were no direct actions for the group from the last meeting, just some continued actions for himself.
3. Warrnambool Cycling Priorities	**Chair**	https://docs.google.com/document/d/1IiyOX5sK8lfeFdg071kxw0wXAhND5hYas7K20wZPS9Q/edit?usp=sharing **East LATM Progress – Upcoming Engagement (refer attached map)** • SL explained they were looking at the list of priorities both short and long term. **Principle Bicycle Network** • HO noted the Municipal Bicycle Network Map that she had found online and emailed to the group. The map was a VicRoads document from 2005. https://www.vic.gov.au/sites/default/files/2024-09/MunicipalBicycleNetworksMapWarrnambool.pdf • ZB questioned if the Council PBN was building on the work Nicole did? • SL confirmed that it was building on the work from Nicole. • HO noted concerns about the VicRoads map that was made 20 years ago and still hasn't been finished from back then. • ZB questioned what the repercussions were for VicRoads not completing the actions? • SL explained that VicRoads had previously merged the Grampians region and Barwon South West which has meant a reduction in staff. Explained that for the current Principle Bicycle Network, it was now being driven locally driven himself and Steph at Council. • SL thanked HO for input that she had sent through and suggested it was worthwhile the rest of the group having a look at the document when they got a chance. • HO suggested that they needed to look at where they wanted the Active Transport to e.g. All schools, childcares and kindergartens. • RA noted the childcare on the corner Mortlake Road and Wangoom Road and stated there was no pedestrian crossing or refuse to access the childcare. Suggested that he wouldn't be surprised if people from Toohey Estate drive to the childcare across the road as it was so unsafe to walk.

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
		• ZB suggested this was like the intersection in East Warrnambool near the primary school. Suggested that she was aware of four accidents at that location in the last week. Suggested that 2 children had been hit by a car at the intersection over the last 25 years and had become wheelchair bound. **Botanic LATM:** • SL showed the Botanic LATM on the screen – noted it was now at 40% complete. Explained that it had included speed reductions, parking restrictions, footpaths, kiss and go areas. • ZB explained that her partner cycled to Aquazone and had noted a difference with parking restrictions. • ZB questioned timeframe? • SL responded that it was now at the implementation stage to go out for funding with some internal funding. • RA questioned where the marked Cockman Street on the map went to? • SL explained there was no vehicle access at the end of Cockman Street just a pedestrian path to Jamieson Street. Noted the priority of Cockman Street had changed as the Emmanual College senior campus was no longer located across the street. • RA noted he had been speaking to Paul Cugley about Russells Creek path access. • The group looked at options on the screen for cyclists to get from the beach to the Russells Creek path noting large escalation of paths coming out of CBD. • SL showed potential options for using large naturestrips as a shared path on Jamieson Street near the large roundabout. • RA suggested the coloured pavement at Jamieson Street doesn't have the intended affect. • SL explained that the large roundabout was coming up for pavement renewal. Looking for the groups input on how to slow people down at this roundabout. • ZB suggested that they need physical barriers to slow people down and to make it more narrow to slow people down. • SL explained that feedback from residents so far indicated that less people had been using Botanic Road, suggested this is due to the traffic being slowed down. • SL showed intersection of Mortlake Road and Wangoom Road on the screen that has footpath going to nowhere. Assumed it was put in for a future intersection upgrade. • ZB suggested roundabouts can be better at slowing people down and controlling traffic compared to traffic lights, questioned if there was data to support this? • SL agreed that roundabouts could be better slowing down approaching traffic. • ZB suggested the lights at Banyan Street were also an issue for traffic rear ending. **Warrnambool Cycling Priorities:** • HO questioned where the group was at with small wins for cycling priorities? • MK questioned progress on pump track? • SL responded that funding had been committed and the design just needed to be confirmed. Advised that he would come back to the group at July meeting. • MK suggested they should look at using a grippy surface for the pump track. • SL advised the repair stands on the Promenade and Russells creek would be progressing over winter with other construction works out of the way. • SL advised that the Ebike charging station would require more funding.

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
		• SL explained that the new bus interchange would include a toilet and bike storage facility. Advised there was an option to work with Vline for a second bike storage facility at the train station. • ZB explained that the new Vline high velocity trains don't really have enough room to put bikes on trains. • SL explained the new storage that had been installed onto the front of buses, so patrons are now able to take a bike with them on the bus. • HO suggested that this needed to be advised, so more people are aware of this. • SL suggested the new bike storage on buses could also be beneficial for riding to and from Port Fairy. ***Action: SL to work with Council Communications team to promote new bike storage on buses.*** • SL advised that they have not yet heard if funding application has been successful for velodrome. • SL noted that as Kyme was an apology for this meeting, she would provide an update on Active Warrnambool that would go out with the minutes. • MK confirmed that currently there was nowhere in town for kids to practice riding on a velodrome. • RA noted recent accidents with elderly people. Suggested that some people may say that some people are too old to ride. • ZB suggested that there is a known problem with mental health in young and elderly people. Suggested that investing in safe places to ride would make them feel more connected. Suggested that everyone should be able to ride. • The group discussed connection links to rail trial. • MK questioned how often the grader was used at Levys? • SL responded that he has been told it is every 3 weeks but noted conditions vary on weather. • MK advised there was a gravel road coming into Ellerslie that now had a really solid base and hadn't needed replacing for several years. • RA suggested that it doesn't look like Levys has been graded every 3 weeks as the corrugations don't form that quick. • ZB questioned how the Deakin link was progressing? • SL responded that the on-road link is progressing but the offroad link is still sitting with VicTrack. • ZB questioned if anything was happening at JB Hi-Fi car park? Suggested that she knew 6 people who had been hit at that location and one of the people had been hit twice. • SL confirmed this was progressing. • HO suggested there was no way to capture near misses like this. • SL suggested for the group and other community members to contact Council's City Assist team to notify us of near misses so they can be recorded. SL explained that it would be best for the online form to be completed so it was in writing. Noted that having a list of recorded incidents (near misses and incidents) can be beneficial when submitting funding applications. • SL added that for the East LATM, Council had records of 200 customer requests over the last ten years. These statistics show evidence that something needs to be done. • ZB advised that she had two friends who had delayed injuries after an incident but couldn't access TAC cover initially because Police didn't report it.
4. Feedback on Concept Designs	**SL**	**Jamieson St Surface Rehabilitation** • Central Green Markings • Sharrows
5. Events	**SL**	***Upcoming:***

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
Past & Upcoming		• National Ride2Work Day – Wednesday 15th October. • Archie Graham Spring Sessions - SL advised that he was working with Archie Graham for sessions with the older population. Advanced and entry level bike session. Advised he was happy to open this up for more broader age demographics. Noted the sessions were ran by Cycle Safe. • HO noted that Aquazone offered learn to swim for adults, questioned if this could this be done for learning to ride a bike for adults? • SL confirmed that this is what the entry level bike session was for and explained there was also a social cyclists group at Surfside 2. ***Action: SL to promote bike sessions and look at more options for other sessions.*** • ZB suggested to run a women's session and an e-bike information session for parents that highlights the differences in e-bikes. • RA suggested the issues with e-bikes is they can go 40km unrestricted which is basically like a dirt bike. • ZB noted on a positive note more kids were riding their bikes. • RA suggested that some kids were doing so illegally. **Other Events?**
6. Issues/ Challenges	**Chair**	
7. Grants	**SL**	**Strategy Grant – East LATM Update:** • SL explained that the key intersections in East were no brainers. Outlined the East precinct from south of the Highway. Would involve looking at the full precinct including bike lanes, intersection upgrades and Deakin link considerations. • MK added that on a different topic, tree roots on the edge of Pertobe Road have made it so rough to ride a bike. Suggested it was too dangerous to ride on the road. • SL responded that the design was underway for Pertobe Road. • ZB noted back on the topic of East LATM, questioned if there would be something happening with the street next to Lyndoch? • SL confirmed this was an identified location with over 100 requests customer request received at Council for this area. • HO suggested an alternate location to look at for bike lanes could be Gladstone Street. • SL suggested it would include an intersection upgrade for Marfell Road. • RA questioned if a shared path could be installed next to Hopkins River? • SL responded that the land adjacent to the Hopkins River in front of Lyndoch was owned by Lyndoch. • SL showed plans for footpath along Hopkins Road. • HO explained difficulties crossing intersections to get to beach trail. • ZB questioned what was happening at VicTrack crossing on Simpson Street? • SL explained a new pedestrian bridge was planned that would be separate to the VicTrack crossing. • ZB and MK noted the new wombat crossing near the Simpson and Verdon Street roundabout was really good at slowing

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
		traffic down on Simpson Street. • ZB noted visual limitations crossing on Simpson Street turning left in Duke Street near the VicTrack crossing. **Upcoming TAC Local Government Grant:** • Analysis Grant - up to $30,000 (ex. GST) • Infrastructure Grant - up to $100,000 (ex. GST) with conditional 1:1 contributions from the LGA • Road Safety Strategy and Action Plan Grants - up to $50,000 (ex. GST) • Variable Message Sign (VMS) Grants - up to $30,000 (ex. GST) • SL advised the grants were opening in July and the intention was to apply for each of the above grants. • HO suggested there wasn't a safe/legal way to cross from North to South on the Princes Highway at The Esplanade intersection in Dennington. • RA confirmed it wasn't legal in that location and suggested a shared bike path running along Highway to connect with the crossing at the traffic lights further down the Highway. • HO noted she would add the childcare along the Highway in Dennington to the list of childcares, kindergartens and schools to connect. Confirmed that the hospital precinct was still her priority.
8. Strategic Planning	**KR/ SL**	**Active Warrnambool Update** • SL confirmed that as mentioned above, Kyme would provide update in the minutes. **PBN Update – thoughts/comments** • SL confirmed the group would put some time into this and make this our own. • RA suggested there was some work done on a circuit in previous cycling groups, questioned if SL had access to this? • SL responded that he would look into this. **Action: SL to investigate circuit for bicycles that was worked on by previous cycling reference groups.** • RA questioned progress on Moore Street shared path? • SL responded that this was back with the Design team to amend. Noted that a roundabout was the intended outcome and keeping cyclists off the road. Suggested they would at applying for blackspot funding in the next few months. • MK questioned if they could make people more aware and promote kids being a part of BMX and mountain bike clubs etc? Questioned if this could be done in school? • HO suggested there was a difference between social riding and being part of a club. Noted that her cycling membership cost $400 per year which was unrealistic for low-income families. • ZB noted that sports like footy was also expensive. • RA responded that they were unable to get kids to join their club because parents don't want kids riding on the road and they don't have a velodrome. Noted that traffic control to ride bikes on roads was expensive. • ZB questioned when state election was coming up? Suggested they could use this to target funding by presenting information to MPs. • RA questioned off road circuit? • SL responded there were two possible locations for the circuit either at Albert Park or Victoria Park.

AGENDA ITEM	WHO	DISCUSSION AND ACTIONS ARISING
		• HO suggested she would prefer Victoria Park as there was already plenty of multi-use activation at Albert Park and nothing at Victoria Park. • RA suggested to have both a shorter circuit for training and longer circuit for races. Suggested it was to cater for people who used to ride every day but don't feel safe doing on the road anymore. • ZB questioned if Deakin owned the old golf club near Deakin as it is underutilised land? • SL confirmed that Deakin owned the old golf club, agreed it could potentially be a good location to flag for the circuit. • HO questioned if this was too far for kids to ride to? • ZB responded that on current roads it takes 15 minutes on an e-bike and 20 minutes on a normal bike. • SL confirmed that Deakin was located a bit over 4km from town. • ZB noted that she still saw people ride their bikes on the Highway. • SL advised that signage would be included for Deakin link. • The group discussed options for paths at Deakin.
9. General Discussion	**Chair**	
10. Next Meeting		• Suggested the next meeting dates could either be Wednesday 2nd or 9th July. • Noted that 9th July would be during the school holidays. • Confirmed group's availability for Wednesday 2 July 2025 and locked it in. *Close of meeting at 7.05pm.*

Warrnambool City Council - Cycling Reference Group

Terms of Reference

Purpose of the Reference Group:
To act on behalf of the broader cycling community in providing feedback, comments and user needs to Council during the development and review of Council policy and practice regarding cycling in Warrnambool.

Terms of Reference:
Members of the Cycling Reference Group:

- Provide feedback to Council on proposed actions and initiatives related to cycling.
- Assist Council in responding to the needs of cyclists.
- Engage with Council on new and emerging issues involving cycling.

Objectives:
The specific objectives include:

- To provide a forum where experience, specialist knowledge and skills in the area of cycling can be utilised.
- To consider, in conjunction with the concerns of other stakeholders and road users, any issues related to cycling.
- Identify and support external funding opportunities (grants) that benefit cycling in Warrnambool.
- Assist in the development of Policies, Strategies and Plans, through active engagement during the development and preparation of such documents.

Advisory Committee Structure:
The Reference Group shall be made up of Council Officers and members of the Community.

- Council Officers:
  - Councillor (1)
  - Manager Recreation and Culture (or their delegate).
  - Manager Infrastructure Services (or their delegate).
  - Other Council officers, as co-opted, depending on the agenda, including but not limited to road safety, design and development, assets, community infrastructure and planning, recreation.

- Community Members
  Up to 8 members of the community representing the following cycling interests will be considered for the reference group:
  - Road & Racing
  - Community & Recreational
  - Commuter & Schools
  - Mountain bikes

Nominations will be sought via public notice and invites to registered clubs to gain community representation. The selection of committee members will consider overall composition of the committee including gender balance.

If more nominees are received than vacant positions, Council will consider all nominees and make a determination of who will be selected to the Committee.

A quorum will consist of the Chair, one (1) Council Officer and three (3) community members, no later than 10 minutes post the nominated meeting start time, for it to be deemed a formal meeting. If a quorum is not reached within this time, the meeting will be recorded as cancelled.

Appointment of chair:
The Chair will be elected with majority support by the community committee members at the first meeting following formulation of the committee. The tenure of the Chair will be no greater than a 12 month period, with the new chair to be elected by the community committee members.

Meeting frequency:
Up to four (4) times per annum to be held quarterly.

Secretariat:
The Strategic Assets unit of Council will act as the secretariat to the reference group.

Managing conflict of interest:
Members must be aware of and manage their own conflict (and potential conflict) of interest relating to matters discussed by the reference group, bearing in mind that the group is advisory in nature.

Reporting regime:
The minutes, supporting reports and associated records of each meeting will be presented to Council at a Council briefing session.

Term:
Each committee member will run for a two year term, from 1 July through to 30 June. To ensure continuity of the reference group the term period will be staggered, with up to four (4) positions made available for nomination each year.

In the first year (being 1 July 2019 through to 30 June 2020), four (4) positions will be selected randomly and declared available for nomination. The remaining four (4) positions will remain in place until the expiry of their team being 30 June 2021.

Warrnambool Cycling Reference Group Work Plan 2023/25

Vision:

We aspire to create a network of cycling routes connecting people to all places in Warrnambool and surrounds. Cycling will be a fun, healthy and safe way for people of all ages and abilities to travel and recreate.

Terms of Reference:

Members of the Cycling Reference Group:

· Assist Council in responding to the needs of cyclists.

· Engage with Council to identify any new and emerging safety issues

· Provide feedback to Council on proposed actions and initiatives related to cycling.

Objectives:

1. To provide a forum where experience, specialist knowledge and skills in the area of cycling can be utilised.
2. To consider, in conjunction with the concerns of other stakeholders and road users, any issues related to cycling.
3. Identify and support external funding opportunities (grants) that benefit cycling in Warrnambool.
4. Assist in the development of Policies, Strategies and Plans, through active engagement during the development and preparation of such documents

TOR: Assist Council in Responding to the needs of Cyclists				
OBJECTIVE	**ACTIONS**	**OUTPUT**	**Status**	**OUTCOME**
1, 2, 3	Review current literature and messaging and update catalogue.	**Raise Awareness:** Rail Trail – Shared Space Behaviour Support for Bike Ed within schools and adult education Road Safety message during Bike Week social media Road Safety message for People who Ride Bikes Campaign Social Media- Lights and reflectors at night or in reduced visibility. Lights must be visible from at least 200m away. https://www.facebook.com/connectwarrnambool/posts/183175083993183	**Ongoing**	Developed catalogue which can be used in multiple messaging sources: Radio Print Social media Badges Stickers Funded by TAC and DOT community road safety grants Information about cycling on Councils I am Warrnambool webpage AND Information about cycling as transport on WCC website Future investigation of a separate information portal
	Principle Bicycle Network - Joint development for a directional document for Council endorsement. Link with cycling groups/clubs to gain input for Principle Bicycle Network.	**Cyclists Directory** A point of reference for all kinds of cyclists in Warrnambool which includes road safety information, cycling groups, etiquette, tips, sustainable transport information. https://visitwarrnambool.com.au/category/explore/outdoor-activities/biking/ https://www.warrnambool.vic.gov.au/active-transport	**Ongoing**	
1	Advocacy - Work with the Events and Eco Dev team to identify opportunities to promote cycling in Warrnambool.	List of new ideas and events which occur in Warrnambool on google drive Sharing events from clubs and community groups- can be done by registering event (link above). If your club or group would like to share an event on FB you can make Connect Warrnambool a co-host for our admin to pick up and share. https://www.facebook.com/connectwarrnambool Cycling in Warrnambool" information and tile on Visit Warrnambool https://visitwarrnambool.com.au/explore/biking/	**Ongoing**	**Promotion of cycling in Warrnambool** Investigate opportunities to promote Warrnambool as a cycling destination- holidays etc. Promoting all forms of cycling. **Information about suggested cycle destinations** with road safety messages with a map at the info centre

TOR: Assist Council in responding to the infrastructure needs of Cyclists				
OBJECTIVE	**ACTIONS**	**OUTPUT**	**STATUS**	**OUTCOME**
2 3	Pump Track Installation	Implementation of a fit-for-purpose pump track within the municipality, leading to improved activeness, destination travel from within and outside the municipality and engagement.	**Long Term**	Facilitate the installation of a pump track at a suitable location.
2 3	Offroad Bicycle Circuit (700m - 1.5km)	Implementation of an off-road bicycle circuit within the municipality, leading to improved activeness, destination travel from within and outside the municipality and engagement.	**Long Term**	Facilitate the installation of a off-road bicycle circuit ranging from 700m – 1km.
2 3	Deakin Link	Implementation of the Deakin Link shared path, establishing the link from the CBD and train station to Deakin University, with neighbourhood connection throughout.	**Long Term**	Facilitate the installation of the Deakin Link Shared Path within the railway corridor.
2 3	Bike Repair Stations & Bike Racks	Progress the implementation of repair stations and bicycle storage at key locations: - Train Station, Bus Interchange, Promenade, Brierly Rec Reserve, Library etc.	**Short Term**	Facilitate the installation at locations: - Train Station - Russells Creek Path - Bus Interchange - Brierly Rec Reserve - Promenade - Library
2 3	E-Bike Charging Stations	Progress the implementation of E- at key locations: - Train Station, Bus Interchange, Promenade, Library, Lake Pertobe etc.	**Short Term**	Facilitate the installation at locations: - Train Station - Bus Interchange - Lake Pertobe - Promenade - Library
2 3	Lighting Improvement	Ongoing implementation across the municipality to improve vision on key routes for cycles, and updating existing infrastructure when issues present.	**Short Term**	Ongoing implementation across the municipality with key areas on Russells Creek, the Promenade and Rail Trail.

TOR: Engage with Council to identify any new and emerging safety issues				
OBJECTIVE	**ACTIONS**	**OUTPUT**	**STATUS**	**OUTCOME**
2 **3**	Review capital works projects and provide feedback on infrastructure	**Upcoming:** Shared Paths Road/Intersection Upgrades	**Ongoing**	Ongoing review of capital works projects to ensure bicycle considerations are measured and adequate.
2 **3**	Rail Trail (Major Upgrade)	Progression of major upgrades to the Port Fairy to Warrnambool Rail Trail to improve usage of the area.	**Long Term**	Route Options Sealing Opportunities Shared Use Case
4	East LATM - Nicholson, Flaxman, Otway, Hopkins, Simpson	Development of a Local Area Traffic Management (LATM) plan for the East Warrnambool precinct to improve trafficability through key intersections and critical spaces. Including Nicholson St, Flaxman St, Hopkins Road, Simpson St.	**Long Term**	Development of a Local Area Traffic Management (LATM) plan for the East Warrnambool precinct to improve trafficability through key intersections and critical spaces.
4	Investigate reviewing current cycling maps	Development and endorsement of PBN (Principle Bicycle Network).	**Ongoing**	Development of key strategic documents assisting with bicycle travel within Warrnambool.

2 **3**	Rail Trail (Minor Upgrades)	Implementation of minor safety items to improve the current usage of the rail trail such as; - Signage - Vegetation Trimming - Behaviour Change - Speed Enforcement	**Short Term**	Implementation of minor road items to improve usability and adherence to shared use.
2 **3**	Deakin Link (On-road Link) Signage	Facilitate the installation of wayfinding signage to assist travel between key study areas and the CBD.	**Short Term**	Deliver wayfinding signage formalising the on-road Deakin Link.
2 **3**	Missing Bike Lanes on Key Routes + Brochure Update	Facilitate the installation of bicycle lanes on key routes, assisting with road travel. Example locations of Garden St/Balmoral Rd, Moore St, Aberline Rd/McGregors Rd	**Short Term**	Deliver bicycle lanes on existing roadways.

APPENDIX A. EXAMPLES OF PROJECTS DELIVERED 2020-2023

Co-Design- "People who ride Bikes" OUTCOME

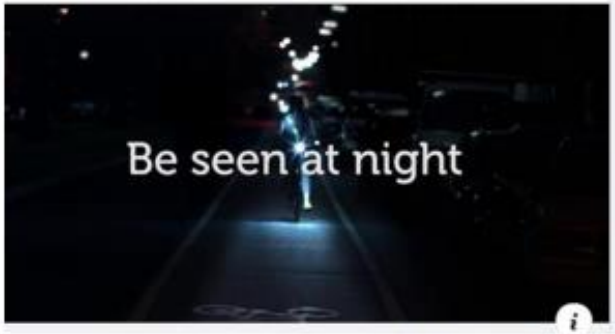
2022

Examples of Social Media Posts to promote safe cycling

CONNECT Warrnambool
16 October

Together we can light up the dark all year round
#LightUP3280
#BeSEENBeSAFE3280

According to the law, bike riders are required to have a flashing or steady front, white light and red rear light at night or in low light so that they can be seen by drivers, other riders or pedestrians. Thanks to VicRoads and Bicycle Network for these great tips.... See more



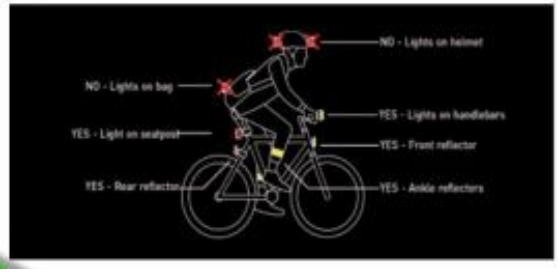
CONNECT Warrnambool
30 September

Did you know that the simple act of ringing your bell when on a shared path can make all the difference to people walking?
When riding on shared paths.... please slow down, use your bell when passing, and help make everyone's journey a safe one. We thought we would share this groovy little animation from VicRoads #BeKind3280 #useyrbell3280

YOUTUBE.COM
Shared Path - Use your bell

Together we can light up the dark all year round
#LightUP3280
#BeSEENBeSAFE3280

According to the law, bike riders are required to have a flashing or steady front, white light and red rear light at night or in low light so that they can be seen by drivers, other riders or pedestrians. Here are some simple tips of where to place your lights thanks to VicRoads and @Bicycle Network



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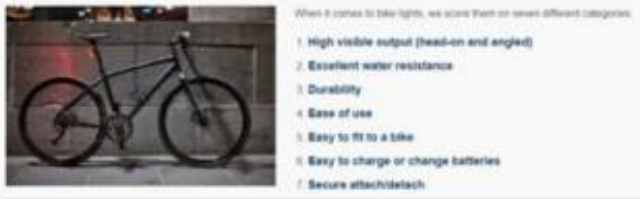

2022

Co-Design "People who ride Bikes" **OUTCOME: Priming value of "connection"**

ACTION: "tie in with schools, community groups- Event= BIKE WEEK"

BIKE WEEK

Distributed DEAKIN UNIVERSITY maps to international students
Attended 3 Community Events- 150 people engaged
55 people registered for 3 events
22 Cafes taking part in promotion
3 Bike Shops taking part in promotion
8 schools take part in Walk/Ride Safely to School
21 Women attend Women on Wheels Session

2022

ROAD INFRASTRUCTURE: GATEWAY ROAD

News date: **Thursday, May 12, 2022 - 9:25 am**

This is the date and time that this news article was published.

Two pedestrian crossings on a busy East Warrnambool road have been upgraded to raised "wombat" crossings to make them even safer.

The works on Gateway Road were co-funded by the Warrnambool City Council and the Transport Accident Commission (TAC), with Council successfully applying for $54,659 via the TAC's Local Government Infrastructure Grants program.

Warrnambool Mayor Cr Vicki Jellie said this upgrade will make it safer for nearby residents, including those at the Ingenia Gardens retirement village, to cross the road and walk to Armada Gateway Plaza, and for students to get to Our Lady Help of Christians Primary School.

"Gateway Road can be very busy, both with vehicles driving along it and pedestrians looking to get across," she said.

"With entry and exit points to shopping centres on both sides of the road, there's a lot going on and drivers need to take care.

"While it is always the driver's responsibility to look for pedestrian crossings and stop if required, we knew that some people still didn't feel safe crossing at the existing pedestrian crossings because of the speed of the traffic.

"Raised crossings slow traffic down and also help to make pedestrians more visible to drivers.

"Part of our Warrnambool 2040 plan is to encourage and prioritise sustainable transport, and when we have primary school students, retirees and everyone in between frequently crossing Gateway Road for school, for work or to go to the shops, this project aligns perfectly.

"It's always terrific to partner with external agencies like the TAC where we can to deliver important projects like this to help our annual budget stretch even further."

Our Lady Help of Christians Primary School Principal Stephen Madden welcomed the upgrade, and said that infrastructure and education went hand in hand when it came to road safet

"Along with the education process around safety, seeing projects like this come to fruition gives us great confidence," he said.

ADVOCACY- PARTNER WITH VICPOLICE AND ROAD TRAUMA SERVICES TO PROMOTE ROAD SAFETY (HELEN IS A MEMBER OF THE REFERENCE GROUP)

Turn headlights on, pause, and reflect on road safety

By Kimberley Price
Updated June 15 2021 - 11:31pm, first published May 20 2021 - 4:00pm

AWARENESS: Helen Ryan, Rhys Tate, Kajol Eagle and Mark Kirby are part of the Shine a Light on Road Safety campaign. Picture: Anthony Brady

Informal Meeting of Council Record

Name of committee or group (if applicable):	Informal Meeting of Council (Councillor Briefing)
Date of meeting:	12 May 2025
Time meeting commenced:	2.00pm
Councillors in attendance:	Cr. B. Blain, Mayor Cr. D. Arnott Cr. W. Benter Cr. B. Edis Cr. V. Jellie AM Cr. M. Walsh Cr. R. Ziegeler
Council officers in attendance:	Andrew Mason, Chief Executive Officer Peter Utri, Director Corporate Services David Leahy, Direct City Infrastructure & Environment Luke Coughlan, Director City Futures Brooke Love, Director City Wellbeing (from 3.47pm) Wendy Clark, Executive Assistant Stephen Hoy, Manager Economic Development & Events (2.11pm – 2.30pm) Eddie Ivermee, Coordinator Eco Development and Business Support (2.11pm – 2.30pm) Julie McLean, Manager, City Growth (2.36pm – 3.16pm) Rob Wandell, Coordinator, City Strategy (2.36pm – 3.16pm) Thomas Hall, Coordinator Project Management (3.16pm – 3.34pm) Rachel Edwards, Coordinator Mental Health Services (3.45pm – 4.15pm)
Other persons present:	Nil.
Apologies:	Nil.
Matters considered:	• Asset Management Plans – Pathways and Drainage. • Warrnambool CBD Occupancy Report. • South Warrnambool and Dennington Flood Investigation. • Capital Works 2024/25 – Quarter 3. • Logo, Branding and Acknowledgements. • Key Worker and Affordable Housing Project.
Council and officer items raised	• Tidy Towns Grant of $50,000 for footpaths in Allansford from School to Shrader Park. • Viaduct Road repair works. • Dogs at Lake Pertobe. • Brierly portable huts. • Seaweed at foreshore. • Warrnambool Football Netball Club. • Light on pedestrian crossing outside of Aquazone.
Councillor Conflicts of Interest disclosures:	
Councillor/officer name: • Cr Richard Ziegeler – Item 3.2 South Warrnambool and Dennington Flood Investigation – Material Conflict of Interest – Left the room during this item.	
Meeting close time:	4.37pm
Record completed by:	Wendy Clark, Executive Assistant

Informal Meeting of Council Record

Name of committee or group (if applicable):	Informal Meeting of Council (Councillor Briefing)
Date of meeting:	19 May 2025
Time meeting commenced:	2.00pm
Councillors in attendance:	Cr. B. Blain, Mayor Cr. D. Arnott Cr. W. Benter Cr. B. Edis Cr. V. Jellie AM Cr. M. Walsh Cr. R. Ziegeler
Council officers in attendance:	Andrew Mason, Chief Executive Officer Peter Utri, Director Corporate Services David Leahy, Direct City Infrastructure & Environment Luke Coughlan, Director City Futures Brooke Love, Director City Wellbeing James Plozza, Manager Governance Valerie Attrill, Revenue Coordinator (2.05pm – 2.42pm) Sally Conheady, Revenue Coordinator (2.05pm – 2.42pm) Rob Wandall, Coordinator City Strategy (2.42pm – 4.18pm) Julie McLean, Manager City Growth (2.42pm – 4,18pm) Morteza Mirgholami, Strategic Planner (3.36pm– 4.18pm)
Other persons present:	Tim Gleeson, Preston Rowe Patterson Pty Ltd (2.05pm – 2.42pm) Callum Mann, Preston Rowe Patterson Pty Ltd (2.05pm – 2.42pm) Barrie Walder, Valuer – General Victoria (2.05pm – 2.42pm) Briana Eastaugh, Maddocks (2.42pm – 3.16pm) Simon Micmacher, Charter Keck Cramer (3.32pm – 4.18pm) Peter Sagar, Charter Keck Cramer (3.32pm – 4.18pm)
Apologies:	Nil.
Matters considered:	• Contract Valuers. • Confidential – South Warrnambool and Dennington Flood Investigation. • Warrnambool Retail Strategy. • Procurement Report – March 2025. • Budget and Council Plan Submissions.
Council and officer items raised	• Jones Oval License Agreement. • Alveston House Lease Agreement. • MAV Update. • Emergency Services Property Levy. • Midfield Meeting. • Vic Transmission Plan. • Sponsorship Opportunity Find Your Voice. • Death is Coming Artwork. • MAV Coastal Council's Roundtable. • Viaduct Road Funding Announcement. • Residents' Complaints on Antisocial Activity in CBD.
Councillor Conflicts of Interest disclosures:	
Councillor/officer name: • Cr Richard Ziegeler – Item 2.2 South Warrnambool and Dennington Flood Investigation – Material Conflict of Interest – Left the room at 2.42pm and returned to room at 3.16pm.	
Meeting close time:	5.00pm
Record completed by:	Brooke Love, Director City Wellbeing

Informal Meeting of Council Record

Name of committee or group (if applicable):	Informal Meeting of Council (Councillor Briefing)
Date of meeting:	26 May 2025
Time meeting commenced:	2.00pm
Councillors in attendance:	Cr. B. Blain, Mayor Cr. D. Arnott (online) Cr. W. Benter Cr. B. Edis (online) Cr. V. Jellie AM (online) Cr. M. Walsh Cr. R. Ziegeler
Council officers in attendance:	Andrew Mason, Chief Executive Officer Peter Utri, Director Corporate Services David Leahy, Direct City Infrastructure & Environment Luke Coughlan, Director City Futures Brooke Love, Director City Wellbeing James Plozza, Manager Governance Gareth Colliton, Cultural Development Coordinator (2.00pm–2.31pm) Rob Wandell Coordinator City Strategy (2.32pm – 3.10pm) Julie McLean, Manager City Growth (2.32pm – 3.10pm) Ann Van Zyl, Manager Financial Services (3.10pm - 3.34pm) Justin Marson, Financial Services (3.10pm – 3.34pm) Greg Bos, Networks and Telephony Administrator (3.34pm – 3.46pm) Steven Welsh, Manager Information Services (3.34pm – 3.46pm) Gareth Colliton, Cultural Development Coordinator (3.48pm- 3.58pm) Peter Russell, Manager Community Strengthening (3.58pm – 4.07pm) Justin Harzmeyer, Coordinator Natural Environment & Sustainability (4.07pm – 4.12pm) Kyme Rowe, Service Manager Recreation (4.14pm – 4.19pm) Thomas Hall, Coordinator Project Management (4.19pm – 4.25pm) Tina McLeod, Manager Children's & Family Services (4.25pm – 4.57pm) Stephen Hoy Manager Economic Development & Events (4.50pm – 5.07pm).
Other persons present:	Bronwyn Adams, Live Music Office (2.00pm – 2.31pm) Ant McKenna - Live Music Office (2.00pm – 2.31pm) Max Donohue - Live Music Office (2.00pm – 2.31pm)
Apologies	Nil.
Matters considered:	• Warrnambool Live 2025 Update. • South Warrnambool and Dennington Flood Investigation - Final Summary Report. • Warrnambool City Council: Budget 2025-2026. • Warrnambool City Council: Council Plan 2025-2029. • Draft Revenue and Rating Plan 2025-2029. • Draft Community Engagement Policy 2025-2029. • Draft Creative Warrnambool Strategy 2025-2029. • Confidential: Tender 2025017 - Unified Communications (Telephone System Replacement). • Confidential: Tender 2025036 - Supply and Delivery of Meals. • Councils Future Electricity Contracts from 1 July 2025. • King Street Drainage Project – Variation. • Finance Report - March 2025. • Community Development Fund 2024-2025 Round 2. • Cycling Reference Group Minutes - 7 May 2025. • Kindergarten Enrolment Process and Introduction of Pre-Prep Roll-Out. • Warrnambool Economic Snapshot – January 2023 to March 2025.

Council and officer items raised	• Council meeting in the Lighthouse Theatre. • Update on filming of The Dispatcher at Flagstaff Hill. • 3AW broadcast from Flagstaff Hill. • Homelessness. • De-escalation training complete. • Business Networking function. • Business Warrnambool Facebook page. Event Management training. • Discussions to attract the 2027 Rotary Conference to Warrnambool. • Viaduct Road funding. • Minister Staikos meeting. • Eastern Maar meeting. • Emergency Services Levy. • Free parking cards for business. • Nicholson Street status. • McConnell Street flood mitigation works. • DEECA response on Foreshore vegetation status. • Find Your Voice Collective identity.
Councillor Conflicts of Interest disclosures:	
Councillor/officer name: • Cr Ziegler – Item 3.1 South Warrnambool and Dennington Flood Investigation – Material Conflict of Interest – Left the room at 2.32pm and returned to room at 3.10pm.	
Meeting close time:	5.30pm
Record completed by:	Brooke Love, Director City Wellbeing