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Our Ref: 000118.10

8 March 2026

Narre Warren Central Pty Ltd
Attention: **Mr Paul Nio**
Via email: pnio@osanrae.com.au
CC: cmistica@fidus.com.au; caroline@natureadvisory.com.au; inga@natureadvisory.com.au

Dear Paul

Re: Casey Green Development Site – 2025 Annual Report of Dwarf Galaxias, Habitat and Water Quality Monitoring

Aquatica Environmental was engaged by Narre Warren Central Pty Ltd to undertake the 2025 annual monitoring of dwarf galaxias (*Galaxiella pusilla*) and water quality at the site of the Casey Green residential development at 96-166 Centre Road, Narre Warren, Victoria (the project).

The annual monitoring was undertaken to address relevant monitoring and management requirements outlined in the approved Dwarf Galaxias Management Plan (DGMP; BL&A 2015), the Dwarf Galaxias Salvage and Translocation Plan (DGSTP; Aquatica Environmental 2015), and the EPBC approval for the project (EPBC 2014/7380; DE 2016). These documents require monitoring of retained habitat condition, water quality and dwarf galaxias population status to assess the effectiveness of mitigation measures and support ongoing management of retained habitat, including:

- **Dwarf Galaxias**: Survey for dwarf galaxias and predatory fish populations at established sites in November/December annually during construction and for at least five years during and post completion of construction on the site (DE 2016, Condition 1; referenced to BL&A 2015, Section 6.5 and Aquatica Environmental 2015, Section 4.5).
- **Aquatic and riparian habitat condition**: Assess dwarf galaxias habitat condition in conjunction with the dwarf galaxias survey (DE 2016, Condition 1; referenced to Aquatica Environmental 2015 Section 4.5).
- **Water quality**: Assess water quality at established sites fortnightly and after rainfall events >10mm during construction, and during dwarf galaxias monitoring (DE 2016, Condition 3b and 3d).

The monitoring program is intended to generate the information required to evaluate the condition of retained habitat, the status of the retained dwarf galaxias population, and the effectiveness of mitigation measures relevant to the EPBC approval and associated management plans.

1. METHODOLOGIES

1.1. Rainfall Monitoring

There is no rainfall gauge located on the site. The nearest Bureau of Meteorology (BOM) weather stations, with current / live rainfall monitoring data, are located at Ferny Creek (16km north), Frankston (Ballam Park, 18km southwest), Moorabbin (20km west northwest) and Scoresby (14km north northwest) (Figure 1). Although none of these directly measure the rainfall at the site, to estimate whether a rainfall event likely to

exceed approximately 10 mm had occurred at the site, the average of the daily totals from the four BOM weather stations was used as the trigger.

***Note**: ferny Creek ceased being use form mid-April 20205, as it become apparent that weather station was exposed to more frequent and higher rainfall events compared to what was anecdotally observed at the site and by the other three weather stations*

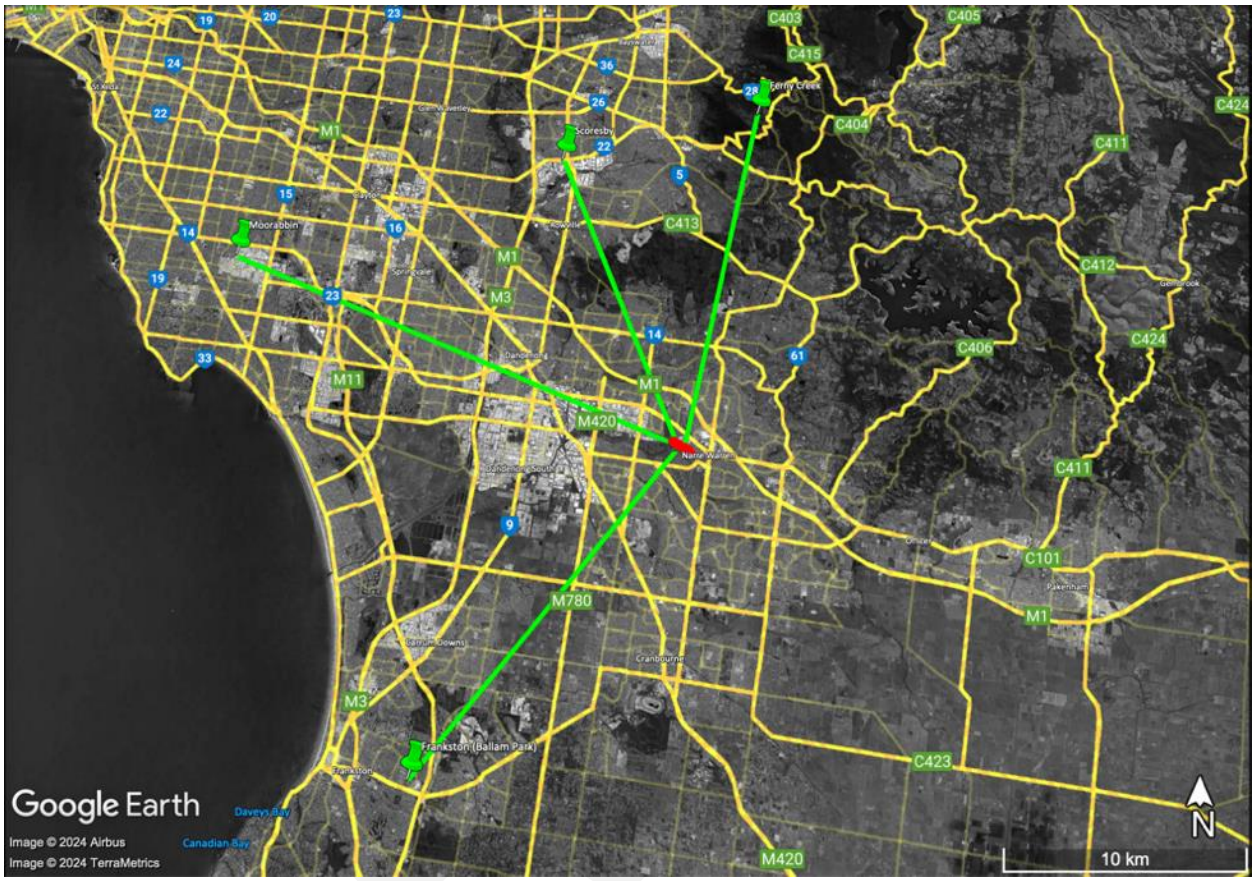

Figure 1 Bureau of meteorology weather station locations (green) relative to the site (red)

1.2. Sampling Sites

During initial baseline and salvage surveys in 2016-17 a number of water quality and dwarf galaxias survey sites were established (Aquatica Environmental 2017). However, in the time since these initial surveys were undertaken development of the site (and neighbouring sites) has progressed significantly and not all of the originally established site still exist and / or can be reached. Accordingly, new sites have been added. Figure 2 shows the sites that were monitored during the 2025 monitoring year, which were the same as the 2024, 2023, 2022 and 2021 monitoring years.

0 50 100 200
Metres

Spatial Reference
Name: GDA2020 MGA Zone 55
PCS: GDA2020 MGA Zone 55
GCS: GDA2020
Datum: GDA2020
Projection: Transverse Mercator

N

- Water Quality (WQ) monitoring sites
- DG monitoring
- Retained Habitat
- Site
- Structure
- Connector or drain
- River
- Stream
- Wetland

Casey Green, 96-166 Centre Road, Narre Warren

Dwarf Galaxias and Water Quality monitoring sites

AQUATICA ENVIRONMENTAL

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1.3. Dwarf Galaxias and Predatory Fish Monitoring

Dwarf galaxias and predatory fish monitoring was undertaken at the dwarf galaxias retained habitat monitoring location shown in Figure 2. This single large site aligns with pre-2021 monitoring Sites DG1 and DG2, corresponding to where dwarf galaxias were released during the 2016 salvage and translocation program (Aquatica Environmental 2017). These sites are now effectively merged into one larger retained habitat and therefore monitoring location, representative of the fully connected and wetted portion of the retained habitat and newer swales.

Sampling for adult dwarf galaxias and predatory fish was undertaken using hand-held dip-nets, sampling in and around areas of suitable habitat, and bait traps set overnight with phosphorescent baits. Sampling for larval dwarf galaxias was also undertaken by collecting a sample of water (approximately 10 litres) and placing it in a shallow white tray, where any larva would have been visible.

Active searching using dip-nets and bait-trapping are standard methods for sampling dwarf galaxias and are the most effective methods outlined in the Survey Guidelines for Australia's Threatened Fish (DSEWPaC 2004) and Biodiversity Precinct Structure Planning Kit (DSE 2010). They are also the most appropriate methods for sampling in the small and heavily vegetated water bodies, like those at the site.

Dwarf galaxias sampling was also undertaken by Aquatica Environmental at a nearby reference site where the species is known to occur, to provide an indication of broader seasonal detectability in the local area.

1.4. Aquatic and Riparian Habitat Condition Monitoring

Aquatic and riparian habitat condition was visually assessed during the annual dwarf galaxias survey. The assessment was primarily based on a comparison of the aquatic and riparian vegetation condition during this survey as compared to previous surveys (i.e. temporal comparison). The assessment was also supported by site photographs having been collected during every water quality monitoring event across the monitoring year.

1.5. Water Quality Monitoring

Water quality monitoring was undertaken fortnightly and following mean rainfall events >10 millimetres, and during the annual dwarf galaxias survey. In situ water quality data was collected by using calibrated Hanna Instruments HI9829 and YSI ProDSS multiparameter water quality sondes. The parameters collected included temperature, electrical conductivity, pH, dissolved oxygen and turbidity.

At Site WQ6, the previously installed steel picket used to measure water height at the dwarf galaxias monitoring location, was replaced by a steel staff gauge in March 2024 (Photo 1).

Litter monitoring is undertaken by Narre Warren Central, however, where notable litter was observed during water quality monitoring it was noted and Narre Warren Central advised.

Photo 1 Water measuring gauge

2. RESULTS

2.1. Sampling Frequency and Conditions

During the 2025 monitoring program a total of 30 monitoring events were undertaken, comprising 21 routine fortnightly monitoring events and nine additional monitoring events triggered by rainfall events >10 mm, based on the average of the daily rainfall totals form the nearest BOM weather stations (Table 1).

The overall number of post >10mm mean rainfall sampling events (nine) was lower than the previous years (i.e. 18 in 2022, 15 in 2023 and 14 in 2024), namely due to a return to drier conditions and lower seasonal rainfall.

For the 2025 monitoring year there was a total of 15 days with >10mm mean rainfall as compared to 21 days in 2024, 22 days in 2023, 35 days in 2022 and 24 days in 2021 (Figure 3).

The raw water rainfall monitoring data are provided in APPENDIX B: RAW RAINFALL SITE MONITORING.

Table 1 2025 sampling schedule

DAY	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Monday									1/9/2025			1/12/2025
Tuesday				1/4/2025			1/7/2025		2/9/2025			2/12/2025
Wednesday	1/1/2025			2/4/2025			2/7/2025		3/9/2025	1/10/2025		3/12/2025
Thursday	2/1/2025			3/4/2025	1/5/2025		3/7/2025		4/9/2025	2/10/2025		4/12/2025
Friday	3/1/2025			4/4/2025	2/5/2025		4/7/2025	1/8/2025	5/9/2025	3/10/2025		5/12/2025
Saturday	4/1/2025	1/2/2025	1/3/2025	5/4/2025	3/5/2025		5/7/2025	2/8/2025	6/9/2025	4/10/2025	1/11/2025	6/12/2025
Sunday	5/1/2025	2/2/2025	2/3/2025	6/4/2025	4/5/2025	1/6/2025	6/7/2025	3/8/2025	7/9/2025	5/10/2025	2/11/2025	7/12/2025
Monday	6/1/2025	3/2/2025	3/3/2025	7/4/2025	5/5/2025	2/6/2025	7/7/2025	4/8/2025	8/9/2025	6/10/2025	3/11/2025	8/12/2025
Tuesday	7/1/2025	4/2/2025	4/3/2025	8/4/2025	6/5/2025	3/6/2025	8/7/2025	5/8/2025	9/9/2025	7/10/2025	4/11/2025	9/12/2025
Wednesday	8/1/2025	5/2/2025	5/3/2025	9/4/2025	7/5/2025	4/6/2025	9/7/2025	6/8/2025	10/9/2025	8/10/2025	5/11/2025	10/12/2025
Thursday	9/1/2025	6/2/2025	6/3/2025	10/4/2025	8/5/2025	5/6/2025	10/7/2025	7/8/2025	11/9/2025	9/10/2025	6/11/2025	11/12/2025
Friday	10/1/2025	7/2/2025	7/3/2025	11/4/2025	9/5/2025	6/6/2025	11/7/2025	8/8/2025	12/9/2025	10/10/2025	7/11/2025	12/12/2025
Saturday	11/1/2025	8/2/2025	8/3/2025	12/4/2025	10/5/2025	7/6/2025	12/7/2025	9/8/2025	13/9/2025	11/10/2025	8/11/2025	13/12/2025
Sunday	12/1/2025	9/2/2025	9/3/2025	13/4/2025	11/5/2025	8/6/2025	13/7/2025	10/8/2025	14/9/2025	12/10/2025	9/11/2025	14/12/2025
Monday	13/1/2025	10/2/2025	10/3/2025	14/4/2025	12/5/2025	9/6/2025	14/7/2025	11/8/2025	15/9/2025	13/10/2025	10/11/2025	15/12/2025
Tuesday	14/1/2025	11/2/2025	11/3/2025	15/4/2025	13/5/2025	10/6/2025	15/7/2025	12/8/2025	16/9/2025	14/10/2025	11/11/2025	16/12/2025
Wednesday	15/1/2025	12/2/2025	12/3/2025	16/4/2025	14/5/2025	11/6/2025	16/7/2025	13/8/2025	17/9/2025	15/10/2025	12/11/2025	17/12/2025
Thursday	16/1/2025	13/2/2025	13/3/2025	17/4/2025	15/5/2025	12/6/2025	17/7/2025	14/8/2025	18/9/2025	16/10/2025	13/11/2025	18/12/2025
Friday	17/1/2025	14/2/2025	14/3/2025	18/4/2025	16/5/2025	13/6/2025	18/7/2025	15/8/2025	19/9/2025	17/10/2025	14/11/2025	19/12/2025
Saturday	18/1/2025	15/2/2025	15/3/2025	19/4/2025	17/5/2025	14/6/2025	19/7/2025	16/8/2025	20/9/2025	18/10/2025	15/11/2025	20/12/2025
Sunday	19/1/2025	16/2/2025	16/3/2025	20/4/2025	18/5/2025	15/6/2025	20/7/2025	17/8/2025	21/9/2025	19/10/2025	16/11/2025	21/12/2025
Monday	20/1/2025	17/2/2025	17/3/2025	21/4/2025	19/5/2025	16/6/2025	21/7/2025	18/8/2025	22/9/2025	20/10/2025	17/11/2025	22/12/2025
Tuesday	21/1/2025	18/2/2025	18/3/2025	22/4/2025	20/5/2025	17/6/2025	22/7/2025	19/8/2025	23/9/2025	21/10/2025	18/11/2025	23/12/2025
Wednesday	22/1/2025	19/2/2025	19/3/2025	23/4/2025	21/5/2025	18/6/2025	23/7/2025	20/8/2025	24/9/2025	22/10/2025	19/11/2025	24/12/2025
Thursday	23/1/2025	20/2/2025	20/3/2025	24/4/2025	22/5/2025	19/6/2025	24/7/2025	21/8/2025	25/9/2025	23/10/2025	20/11/2025	25/12/2025
Friday	24/1/2025	21/2/2025	21/3/2025	25/4/2025	23/5/2025	20/6/2025	25/7/2025	22/8/2025	26/9/2025	24/10/2025	21/11/2025	26/12/2025
Saturday	25/1/2025	22/2/2025	22/3/2025	26/4/2025	24/5/2025	21/6/2025	26/7/2025	23/8/2025	27/9/2025	25/10/2025	22/11/2025	27/12/2025
Sunday	26/1/2025	23/2/2025	23/3/2025	27/4/2025	25/5/2025	22/6/2025	27/7/2025	24/8/2025	28/9/2025	26/10/2025	23/11/2025	28/12/2025
Monday	27/1/2025	24/2/2025	24/3/2025	28/4/2025	26/5/2025	23/6/2025	28/7/2025	25/8/2025	29/9/2025	27/10/2025	24/11/2025	29/12/2025
Tuesday	28/1/2025	25/2/2025	25/3/2025	29/4/2025	27/5/2025	24/6/2025	29/7/2025	26/8/2025	30/9/2025	28/10/2025	25/11/2025	30/12/2025
Wednesday	29/1/2025	26/2/2025	26/3/2025	30/4/2025	28/5/2025	25/6/2025	30/7/2025	27/8/2025		29/10/2025	26/11/2025	31/12/2025
Thursday	30/1/2025	27/2/2025	27/3/2025		29/5/2025	26/6/2025	31/7/2025	28/8/2025		30/10/2025	27/11/2025	
Friday	31/1/2025	28/2/2025	28/3/2025		30/5/2025	27/6/2025		29/8/2025		31/10/2025	28/11/2025	
Saturday			29/3/2025		31/5/2025	28/6/2025		30/8/2025			29/11/2025	
Sunday			30/3/2025			29/6/2025		31/8/2025			30/11/2025	
Monday			31/3/2025			30/6/2025						

Blue highlight = *scheduled monitoring event*

Orange highlight = *post >10mm rainfall event*

Purple highlight = *dwarf galaxias monitoring event*

Red font = *>10mm rainfall event*

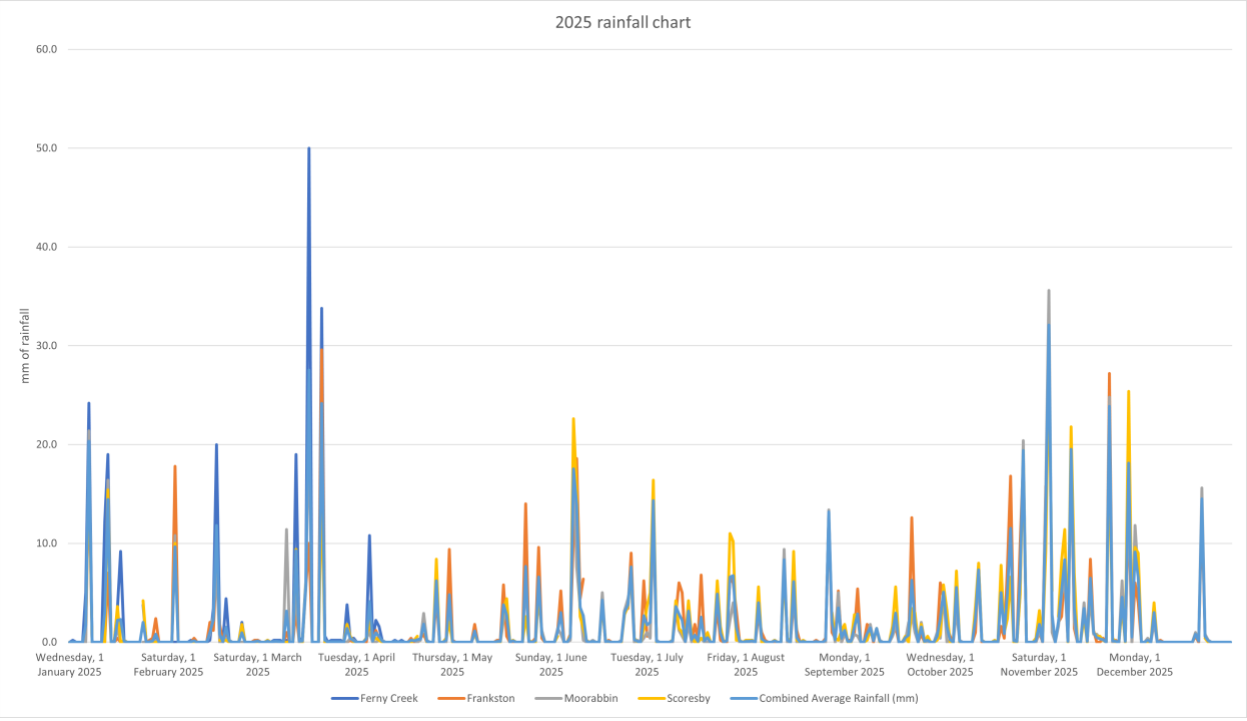

Figure 3 2025 rainfall chart

2.2. Aquatic and Riparian Habitat Condition

Over the 2025 monitoring year, vegetation within the retained habitat at Site WQ6 has continued to increase in overall density (**Error! Reference source not found.**) similar to the 2024 and 2023 monitoring years (Photo 3 and Photo 4). As reported in the 2023 annual report (Aquatica Environmental 2024), this initial increase appeared beneficial for dwarf galaxias, with numerous individuals recorded in the more open, exposed area near the concrete retaining wall compared to previous monitoring rounds.

However, while the constructed swales have provided a greater area of aquatic habitat, they have also contributed to a more stable water level, favouring the proliferation of common reed (*Phragmites australis*), which has been dominant since 2023 (Photo 2, Photo 3 and Photo 4). Habitat condition observed during 2025, 2024 and 2023 differs markedly from that recorded during the earlier monitoring years (2022 and 2020), with substantially greater establishment of aquatic and riparian vegetation throughout the retained habitat system (Photo 5 and Photo 6).

Site photos from previous years (Photo 3 to **Error! Reference source not found.**) have been retained for additional temporal comparisons of the quality and condition of the retained habitat in November/December (i.e. prior to the approved construction of the concrete wall and swales), when the habitat was prone to extensive drying during the summer months. Compared to monitoring conducted in 2020 and 2022, the 2025 habitat is considerably more vegetated, with well-established paperbark (*Melaleuca* spp.) and further encroachment by common reed. While increased vegetation establishment has improved habitat condition overall, common reed has become increasingly dominant in some sections of the swale system and will require ongoing monitoring to ensure it does not begin to reduce habitat heterogeneity or connectivity.

Aquatic and riparian habitat conditions at the other five water quality monitoring sites along Centre Road Northern Drain (WQ1–WQ5) remained largely unchanged compared to previous surveys.

Photo 2 Habitat vegetation at site Dwarf Galaxias survey location during 2025 survey

Photo 3 Habitat vegetation at site Dwarf Galaxias survey location during 2024 survey

Photo 4 Habitat vegetation and inundation at Site Dwarf Galaxias survey location in December 2023 during the dwarf galaxias survey

Photo 5 Habitat vegetation and inundation at Site Dwarf Galaxias survey location in November 2022

Photo 6 Habitat vegetation at Site Dwarf Galaxias survey location in November 2020

2.3. Water Quality

The raw water quality data are provided in APPENDIX A: RAW WATER QUALITY RESULTS.

Table 2 provides a summary of the 2025 water quality data and relevant Environmental Reference Standard (ERS; EPA 2021) objectives for the Urban segment, Lowlands of Western Port catchment, for context only.

Review and assessment of the water quality data should be considered in light of the following minor water sampling observations and / or events:

- 29 January 2025 – Sediment buildup noticed at WQ2, presumably due to pump system installed by council utilising Casey Green land.
- 19 February 2025 – Increasing amount of rubbish being dumped into Centre Road drain at WQ6 site entry gate.
- 10 June 2025 – Turbidity particularly high at all sites, not attributable to the development but likely due to storm water runoff after high rain event over weekend.
- 12 December 2025 – pH high across all sites. More rubbish dumped at WQ6 site entry gate.

Overall, the 2025 water quality monitoring data showed the following patterns, which have also been compared against the ERS[1] objectives:

- **Temperature** was on average consistent across the sites across the year, showing expected heating and cooling phases in summer and winter. The highest temperatures across the sites were experienced in January to early-March, with a peak temperature of 23.8°C recorded at Site WQ5 on 9 January. The lowest temperatures were observed between May and August with the lowest recorded of 6.6°C at WQ6 on 20 August.
  Overall WQ1 had the highest average temperature (mean=16.38°C), likely due to the discharge of warmer industrial/residential stormwater from the culvert. WQ6 had the lowest (13.75°C), again due to being the most shaded by the dense vegetation at the site.
- **pH** was on average consistent across all five Centre Road sites and the dwarf galaxias retained habitat site (mean range=7.45 to 7.60; WQ4 and WQ6, respectively). Although there appears no seasonal variation to pH across sites, during 2025 pH levels gradually increased with 12 December recording a single sampling event high at all six sites (range=8.10 to 8.69; WQ4 and WQ1, respectively). Slightly higher pH results at Site WQ6 are likely due to natural biological and chemical processes (i.e. the variation is not ecologically significant and there is no indication that the variation is caused through development of the site).
- As has been consistently observed during previous rounds of monitoring **electrical conductivity** was consistently higher at Site WQ6 (mean=905 µS/cm) compared to Site WQ1 to WQ5 (mean range=428 µS/cm to 479 µS/cm). As has been previously concluded the higher electrical conductivity levels at, Site WQ6 are likely reflective of the lack of direct flows and the concentration of salts due to evaporation. All sites (except for WQ5) failed to meet the 75th percentile ERS objective ≤500 µS/cm.
- **Dissolved oxygen** was again consistently low across all sites (mean range=26.1% to 50.8%). Dissolved oxygen was consistently higher at the dwarf galaxias retained habitat Site WQ6, likely due to the sampling usually occurring around the middle of the day and the high vegetation and algae content of the site producing oxygen as a result of photosynthesis. Dissolved oxygen at Site WQ6 was high through

[1]The Environment Reference Standard (ERS) by EPA Victoria provides benchmarks for assessing environmental conditions, focusing primarily on natural waterways (rivers and streams) rather than roadside drains or constructed swales. It defines environmental values and sets indicators and objectives for key segments. For waterways, indicators cover pH, dissolved oxygen, nutrients, salinity, toxicants, etc.. The ERS is a reference tool, not a compliance standard, guiding environmental assessments and decision-making. It is included here in as a useful guide to the water quality results rather than necessarily an objective requiring achieving.

the cooler months of the year between about May and October. All sites failed to meet the 75th percentile ERS objective of ≥70%.
Similarly to electrical conductivity, the dissolved oxygen levels observed do not appear to be attributable to the development of the site and are more likely reflective of site-specific environmental conditions such as shallow water depth, organic inputs and seasonal temperature patterns. Notwithstanding this, the continued presence of a healthy dwarf galaxias population, including evidence of breeding and recruitment during the 2025 monitoring year, indicates that the observed dissolved oxygen levels are not currently limiting the species at this site

- **Turbidity** was on average highest at Site WQ6 (mean=22.2 NTU). Similarly to previous years, Site WQ5 had the lowest average turbidity (mean=11.7 NTU) indicating the effectiveness of the retained vegetation along the Centre Road north drain in terms of its ability to filter water as it flows past the site (i.e. from Sites WQ1 to WQ5). This indicated that the retained Centre Road drain vegetation and construction/vegetation of the project's swales are functioning as designed and resulting in an overall reduction turbidity as surface waters pass by the site.

Consistent with previous monitoring rounds, the water quality results do not indicate any clear development-related decline in retained habitat water quality.

Table 2 2025 water quality sampling summary

Parameter		ERS Objective[2]	Centre Road Drain Sites					Habitat Site
			Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Temperature (°C)	Min.	NA	10.60	9.30	8.50	8.60	8.80	6.60
	Max.		23.10	21.00	20.70	23.00	23.80	20.80
	Mean		16.38	14.78	14.28	14.31	15.25	13.75
pH	25th %tile	≥6.4	7.23	7.29	7.35	7.32	7.28	7.43
	75th %tile	≤7.9	7.77	7.70	7.65	7.61	7.59	7.79
	Mean	NA	7.53	7.50	7.50	7.45	7.48	7.60
Electrical Conductivity (µS/cm)	75th %	≤500	607	557	507	531	491	1147
	Mean	NA	453	479	448	430	428	905
Dissolved Oxygen (%)	75th %tile	≥70	37.6	40.2	33.2	31.8	51.5	69.1
	Max.	130	84.9	77.5	42.5	74.7	143.3	97.9
	Mean	NA	26.1	34.6	28.2	27.1	44.0	50.8
Turbidity (NTU)	75th %tile	≤35	19.4	13.9	19.8	17.6	12.2	27.4
	Mean	NA	19.8	14.0	16.1	15.7	11.7	22.2

Orange highlight = parameter did not meet the ERS objective

[2] ERS objective for the urban segment.

2.4. Retained Habitat Water Height

In accordance with feedback from the 2023 audit and review conducted by the DCCEEW, a steel stake was initially installed in June 2023 at Site WQ6 as a measure gauge of water depth. The steel stake was then replaced by a steel staff gauge in March 2024 allow the taking of depth measurements without having to wade into the habitat (Photo 1).

While water height fluctuates in response to rainfall events, monitoring indicates that the retained habitat consistently returns to an apparent baseline range of approximately 30–40 centimetres at the monitoring gauge (Figure 4). This pattern indicates that the retained habitat is continuing to retain water between rainfall events and is functioning as a persistent refuge habitat within the site.

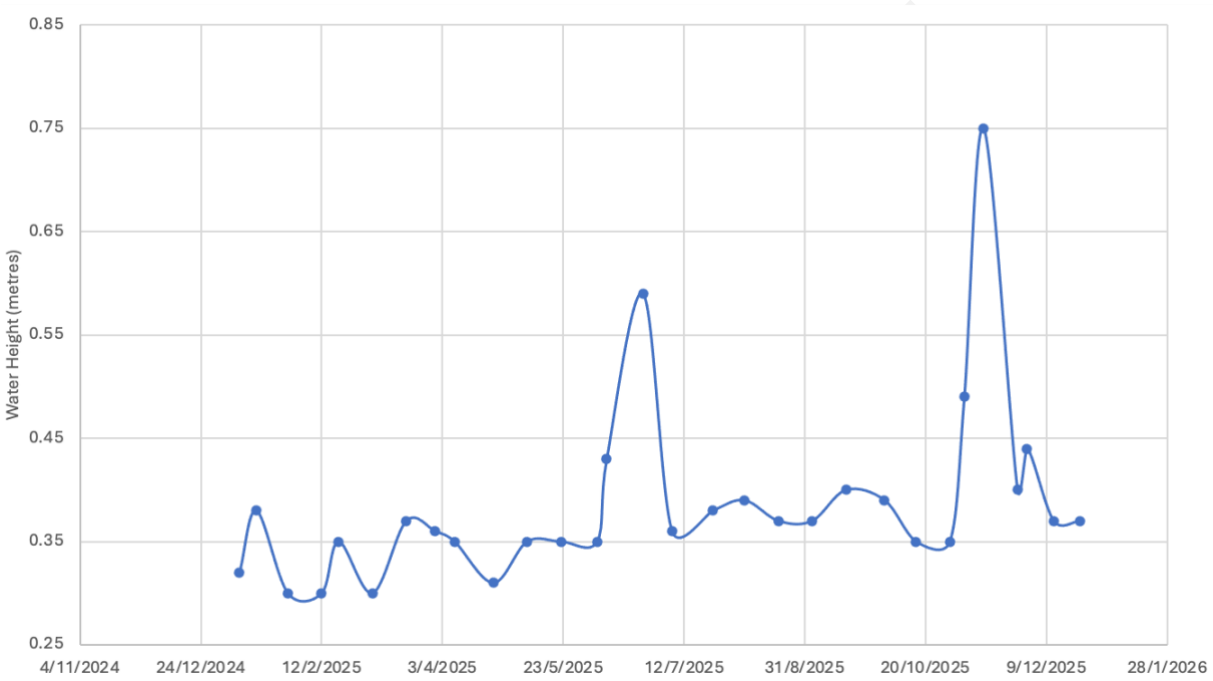

Figure 4 Site WQ6 water height

2.5. Dwarf Galaxias and Predatory Fish

The annual dwarf galaxias monitoring and associated water quality sampling occurred on 11 and 12 December 2025. The weather during the survey was warm to hot with temperatures ranging between 31.7°C (daytime maximum) and 7.2°C (nighttime minimum) at Scoresby (BOM 2025). Based on the four BOM weather monitoring stations data, an average of 0 mm rain fell during the survey, with 3.3 mm of rain falling in the week prior to the survey (BOM 2025).

Dwarf galaxias were recorded within the retained habitat drain during the 2025 monitoring event (Table 3). A total of 85 individuals were captured during the survey (Photo 7), representing the highest abundance recorded during the monitoring program to date. Individuals captured included breeding males, gravid females and individuals that appeared to be post-spawning, as well as juveniles and sub-adults.

Based on the number, condition and life stages of individuals recorded during the survey, the retained dwarf galaxias population appears to have experienced a strong year, with clear indications of successful breeding and recruitment within the retained habitat system.

In addition to dwarf galaxias, several other fish species were recorded during the survey. Eastern gambusia (*Gambusia holbrooki*, Photo 9) were recorded in low numbers within the retained habitat system and were more commonly observed within the adjacent swale areas and more open sections of the drainage network.

Two goldfish (*Carassius auratus*, Photo 10) were also recorded during the survey, the first detection since the 2019 monitoring year.

One Common Galaxias (*Galaxias maculatus*, Photo 8), was also recorded during the survey, having previously only been detected once during the monitoring program in 2023.

Most pest fish appeared to be concentrated within the larger, more open and exposed areas of the swale system where reduced shading and warmer water conditions are likely to favour these species. Pest fish abundance within the retained habitat drain itself remained comparatively low relative to these adjacent areas.

Overall, the observations from the 2025 monitoring event indicate that the retained habitat drain and associated swale system are continuing to support the dwarf galaxias population at the site. The presence of multiple life stages and evidence of breeding suggests that the retained habitat continues to function as suitable habitat for the species within the local drainage network. Further, the retained habitat drain continues to maintain areas of open water and structurally diverse vegetation which appear to provide favourable conditions for dwarf galaxias relative to the adjacent swale areas.

Table 3 Species and number of individuals recorded

Common Name	Scientific Name	Sampling Event								
		2025	2024	2023	2022	2021	2020	2019	2018	2017
dwarf galaxias	***Galaxiella pusilla***	85	21	18	11	17	25	12	3	2
flathead gudgeon	***Philypnodon grandiceps***	-	1	-	-	-	-	-	-	-
mosquitofish	***Gambusia holbrooki***	250+	10s	209	10s	10s	12	6	3	-
common galaxias	***Galaxias maculatus***	1	-	2	-	-	-	-	-	-
goldfish	***Carassius auratus***	2	-	-	-	-	-	2	4	-
freshwater burrowing crayfish	***Engeus spp.***	-	-	1	-	-	-	1	1	-
oriental weatherloach	***Misgurnus anguillicaudatus***	-	-	-	1	-	1	-	-	-

Photo 7 Dwarf galaxias adults (two females on left; two males on right)

Photo 8 Common galaxias caught during survey

Photo 9 Eastern gambusia caught in bait traps

Photo 10 Goldfish caught in bait traps

3. SUMMARY

The 2025 annual dwarf galaxias monitoring event recorded 85 individuals within the retained habitat drain, representing the highest number recorded to date during the monitoring program. This represents a strong and persistent population compared to previous years (21 in 2024, 18 in 2023, 11 in 2022, 17 in 2021, 25 in 2020, 12 in 2019, and 3 in 2018). The presence of multiple life stages, including juveniles and sub-adults, indicates that successful breeding and recruitment occurred within the retained habitat system during the 2025 monitoring year.

Habitat conditions within the retained drainage system continue to evolve as aquatic and riparian vegetation becomes more established. Increased vegetation within the constructed swales and retained drain appears to be contributing positively to habitat stability, shading and water retention, and has likely increased the overall availability of suitable habitat within the system.

However, while the constructed swales have provided favourable habitat conditions to date, ongoing monitoring is required to assess whether continued vegetation encroachment, particularly by common reed, may begin to reduce habitat heterogeneity or connectivity by limiting open water areas within sections of the drainage network.

Considering this and prior monitoring rounds (Aquatica Environmental 2017, 2019, 2020, 2021, 2022a/b, 2023 and 2024), the dwarf galaxias population at the site remains dynamic, with annual fluctuations likely linked to seasonal variations in water availability, habitat condition and broader catchment hydrology.

Based on the 2025 survey data and observations, no ecologically significant impacts have been recorded on the retained habitat. Instead, the constructed swale system and retained drain appear to be functioning as intended, supporting habitat persistence and population use while also limiting the ingress and abundance of some predatory and pest fish species.

Overall, the results of the 2025 monitoring program indicate that the retained habitat system continues to support the dwarf galaxias population at the site and that the objectives of the approved DGMP and DGSTP continue to be met.

The 2026 monitoring year, which commenced on 1 January 2026, will continue to include all required monitoring in accordance with the approved DGSTP and DGMP (BL&A 2015), includingg:

- **Water quality monitoring**: Conducted fortnightly and after rainfall events >10 mm until all construction is complete. This includes continued water height monitoring at the retained dwarf galaxias habitat (Site WQ6).
- **Dwarf galaxias monitoring**: Conducted annually in November/December for at least five years post-construction.
- **Habitat monitoring**: Conducted in unison with the dwarf galaxias monitoring.

It is interpreted that "*completion of construction*" refers to the finalisation of all major works, including site clean-up and landscaping, with no remaining risks to dwarf galaxias habitat (i.e., all sediment and contaminant runoff risks are mitigated).

If you have any questions or would like to discuss this assessment, report or any other matter further, please do not hesitate to call me on 0413 935 497.

Kind Regards,

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APPENDIX A: RAW WATER QUALITY RESULTS

Temperature (°C)

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
9/1/2025	22.80	20.70	20.70	23.00	23.80	20.40
16/1/2025	21.80	19.10	18.60	18.80	21.20	17.60
29/1/2025	23.10	21.00	19.40	19.80	21.30	20.80
12/2/2025	22.60	20.70	20.60	20.50	23.00	20.20
19/2/2025	19.70	16.90	16.30	16.20	17.60	15.60
5/3/2025	22.50	19.60	18.00	17.70	20.90	20.30
19/3/2025	18.90	16.70	16.80	16.90	17.10	13.90
31/3/2025	19.90	17.50	16.60	16.60	17.70	16.10
8/4/2025	18.20	15.30	15.00	15.30	15.50	14.70
24/4/2025	19.00	16.80	16.20	16.20	16.80	16.30
8/5/2025	16.70	13.70	13.50	13.30	13.90	12.50
22/5/2025	14.30	9.60	8.50	9.50	9.50	10.30
6/6/2025	13.80	10.20	9.90	9.80	9.50	9.70
10/6/2025	12.10	10.90	10.70	10.70	11.10	9.70
25/6/2025	10.60	11.10	10.40	9.30	9.90	9.30
7/7/2025	11.20	10.50	9.00	8.90	8.80	8.50
24/7/2025	11.30	10.20	9.40	9.00	9.60	9.70
6/8/2025	11.20	11.00	10.90	10.10	11.50	10.60
20/8/2025	11.50	9.30	9.80	8.60	11.40	6.60
3/9/2025	11.80	11.30	11.70	11.50	11.40	10.80
17/9/2025	14.10	12.80	12.60	12.50	13.20	12.50
3/10/2025	13.30	13.40	12.30	12.10	13.10	13.60
16/10/2025	14.50	13.80	13.70	14.00	14.70	12.90
31/10/2025	15.00	14.90	15.50	15.50	15.50	13.60
5/11/2025	15.2	15.1	14.6	14.8	15.1	13.3
13/11/2025	14.80	15.07	13.29	13.46	14.14	12.77
27/11/2025	17.20	16.80	16.50	16.60	16.60	14.40
1/12/2025	17.4	16.9	16.2	16.6	17.6	14.9
12/12/2025	18.2	17.7	17.1	18.0	20.1	16.3
23/12/2025	18.60	17.30	16.90	16.80	18.10	15.30

pH

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
9/1/2025	7.11	6.93	7.05	7.08	7.21	7.24
16/1/2025	7.38	7.15	7.11	7.12	7.25	7.42
29/1/2025	7.33	7.39	7.36	7.43	7.45	7.29
12/2/2025	7.03	7.05	7.41	7.23	7.26	7.10
19/2/2025	7.06	7.06	7.17	7.36	7.40	7.43
5/3/2025	7.07	7.40	7.54	7.36	7.41	7.53
19/3/2025	7.23	7.30	7.18	7.17	7.21	7.51
31/3/2025	7.56	7.50	7.24	7.03	7.29	7.44
8/4/2025	6.71	6.94	7.41	7.18	7.24	7.46
24/4/2025	7.22	7.44	7.41	7.05	7.17	7.31
8/5/2025	7.40	7.55	7.46	7.41	7.40	7.43
22/5/2025	7.94	7.88	7.75	7.62	7.62	7.84
6/6/2025	7.37	7.38	7.40	7.44	7.44	7.56
10/6/2025	7.63	7.61	7.45	7.44	7.39	7.42
25/6/2025	8.14	7.71	7.62	7.60	7.57	7.70
7/7/2025	7.34	6.98	7.47	7.40	7.40	7.10
24/7/2025	7.16	7.27	7.30	7.49	7.53	7.65
6/8/2025	7.81	7.55	7.53	7.55	7.55	7.53
20/8/2025	7.72	7.69	7.55	7.63	7.55	8.10
3/9/2025	7.54	7.69	7.64	7.57	7.66	7.75
17/9/2025	7.75	7.68	7.67	7.70	7.72	7.94
3/10/2025	8.10	7.80	7.82	7.65	7.65	7.73
16/10/2025	7.63	7.60	7.58	7.71	7.78	8.11
31/10/2025	8.01	7.98	7.85	7.70	7.77	7.79
5/11/2025	7.8	7.7	7.6	7.6	7.6	7.9
13/11/2025	7.50	7.36	7.22	7.35	7.25	7.83
27/11/2025	8.01	7.87	7.89	7.59	7.58	7.80
1/12/2025	8.1	8.0	7.9	7.7	7.7	8.0
12/12/2025	8.69	8.41	8.23	8.10	8.18	8.37
23/12/2025	7.52	7.78	7.68	7.52	7.48	7.53

Electrical Conductivity (µS/cm)

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
9/1/2025	520	538	479	528	504	1216
16/1/2025	413	521	385	208	417	989
29/1/2025	904	589	478	538	486	531
12/2/2025	645	599	680	707	683	1176
19/2/2025	397	757	753	749	633	1042
5/3/2025	902	690	828	649	743	1174
19/3/2025	359	411	510	450	408	1057
31/3/2025	695	638	267	428	401	1264
8/4/2025	597	736	575	546	510	555
24/4/2025	991	854	681	652	632	1004
8/5/2025	638	374	408	436	445	949
22/5/2025	474	399	412	469	462	994
6/6/2025	310	347	272	306	319	918
10/6/2025	174	179	181	183	204	487
25/6/2025	167	352	367	305	264	435
7/7/2025	564	420	386	327	319	962
24/7/2025	248	350	420	374	369	487
6/8/2025	208	525	437	374	249	1048
20/8/2025	280	347	438	212	466	998
3/9/2025	436	374	351	356	349	1197
17/9/2025	326	490	425	426	448	1143
3/10/2025	156	375	348	353	355	1160
16/10/2025	239	289	391	395	371	1290
31/10/2025	425	314	311	304	271	880
5/11/2025	352	359	353	353	336	707
13/11/2025	358	385	377	372	356	321
27/11/2025	307	467	348	372	390	548
1/12/2025	434	493	438	434	410	626
12/12/2025	669.0	546.0	506.0	466.0	386.1	831.0
23/12/2025	291	544	541	557	554	678

Dissolved Oxygen (%)

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
9/01/2025	41.1	33.9	42.5	47.6	69.5	57.7
9/1/2025	41.1	33.9	42.5	47.6	69.5	57.7
16/1/2025	9.8	12.8	7.6	19.9	36.4	39.6
29/1/2025	16.8	77.5	31.6	40.0	34.4	70.0
12/2/2025	13.0	13.0	26.1	20.6	41.2	22.2
19/2/2025	16.1	43.8	23.0	24.9	39.3	37.6
5/3/2025	29.2	38.9	28.5	24.8	143.3	69.1
19/3/2025	12.8	18.0	9.4	11.3	13.3	35.9
31/3/2025	13.4	25.2	21.0	15.8	35.0	24.6
8/4/2025	13.6	32.1	31.6	20.5	18.2	52.3
24/4/2025	18.8	31.4	29.1	10.2	65.0	40.8
8/5/2025	14.4	38.6	19.2	23.6	47.1	26.4
22/5/2025	14.6	36.6	29.6	28.0	30.0	97.9
6/6/2025	23	34	34	29	34	60
10/6/2025	56.0	39.9	32.9	36.6	30.2	34.7
25/6/2025	84.9	29.8	41.6	74.7	54.9	61.7
7/7/2025	12.2	12.0	39.5	31.2	34.5	28.7
24/7/2025	38.8	39.0	25.5	29.6	42.1	71.1
6/8/2025	42.8	37.0	32.3	30.9	56.7	47.6
20/8/2025	18.0	48.6	39.3	36.2	57.3	83.0
3/9/2025	25.0	36.8	42.5	33.4	59.4	61.6
17/9/2025	37.2	50.9	26.4	29.7	50.3	69.2
3/10/2025	46.5	47.8	24.7	20.3	47.1	70.1
16/10/2025	9.9	39.5	28.0	36.7	40.3	53.5
31/10/2025	20.9	27.1	31.9	29.2	39.2	74.5
5/11/2025	20.7	28.7	25.7	21.8	28.7	50.0
13/11/2025	13.7	18.6	10.5	11.9	11.8	25.2
27/11/2025	45.0	41.2	41.4	12.0	30.1	47.1
1/12/2025	27.1	34.7	26.5	14.6	31.4	34.4
12/12/2025	16.4	42.9	26.5	20.3	45.0	26.9
23/12/2025	25.8	21.3	12.7	10.8	26.2	32.9

Turbidity (NTU)

Sample Date	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
9/01/2025	9.3	8.4	9.2	16.5	5.5	26.6
16/01/2025	15.5	9.4	8.4	7.5	5.9	12.0
9/1/2025	9.3	8.4	9.2	16.5	5.5	26.6
16/1/2025	15.5	9.4	8.4	7.5	5.9	12.0
29/1/2025	9.9	21.4	20.2	15.9	12.4	20.2
12/2/2025	3.9	15.4	16.7	7.1	9.3	32.0
19/2/2025	8.7	8.1	10.0	9.2	11.6	16.8
5/3/2025	48.3	19.9	17.3	22.0	20.2	39.3
19/3/2025	58.4	9.6	12.1	8.1	9.8	28.1
31/3/2025	8.4	11.6	13.0	16.4	11.6	38.6
8/4/2025	11.5	7.0	12.7	18.9	12.2	15.8
24/4/2025	12.3	8.3	20.6	20.7	17.5	17.3
8/5/2025	11.4	6.9	22.4	18.6	8.9	29.6
22/5/2025	9.6	11.6	11.0	12.9	6.2	13.7
6/6/2025	21	7	12	14	7	9
10/6/2025	25.9	66.1	57.3	53.3	38.6	23.5
25/6/2025	112.1	14.2	21.3	11.4	13.3	16.3
10/7/2025	18.9	20.9	23.8	16.7	14.6	15.2
24/7/2025	29.9	13.8	12.1	12.5	10.3	7.8
6/8/2025	12.7	11.6	14.2	11.9	8.6	16.1
20/8/2025	9.02	10.3	9.9	10.5	7.1	4.7
3/9/2025	10.41	12.71	16.68	19	10.2	9.45
17/9/2025	14.77	9.95	10.7	15.45	10.26	10.14
3/10/2025	9.22	12.45	11.02	13.35	9.08	9.28
16/10/2025	6.58	7.35	9.48	14.93	6.96	18.35
31/10/2025	10.67	11.47	19.82	17.28	11.51	11.46
5/11/2025	15.96	14.04	16.28	16.88	13.60	22.24
13/11/2025	27.3	21.2	19.8	21.5	22	38.5
27/11/2025	13.25	11.57	8.95	8.76	7.62	15.16
1/12/2025	15.01	13.14	13.89	12.86	11.06	48.81

APPENDIX B: RAW RAINFALL SITE MONITORING

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Wednesday, 1 January 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 2 January 2025	0.2	0.0	0.0	0.0	**0.1**
Friday, 3 January 2025	0.0	0.0	0.0	0.0	**0.0**
Saturday, 4 January 2025	0.0	0.0	0.0	0.0	**0.0**
Sunday, 5 January 2025	0.0	0.0	0.0		**0.0**
Monday, 6 January 2025	5.0	0.2	0.0	1.8	**1.8**
Tuesday, 7 January 2025	24.2	17.8	21.4	18.0	**20.4**
Wednesday, 8 January 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 9 January 2025	0.0	0.0		0.0	**0.0**
Friday, 10 January 2025	0.0		0.0	0.0	**0.0**
Saturday, 11 January 2025	0.0	0.0	0.0	0.0	**0.0**
Sunday, 12 January 2025	12.2	0.0	0.0	0.0	**3.1**
Monday, 13 January 2025	19.0	7.0	16.4	15.4	**14.5**
Tuesday, 14 January 2025	0.0	0.0	0.2	0.0	**0.1**
Wednesday, 15 January 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 16 January 2025	3.4	0.4	1.4	3.6	**2.2**
Friday, 17 January 2025	9.2	0.0	0.0	0.0	**2.3**
Saturday, 18 January 2025	0.2	0.0	0.0	0.2	**0.1**
Sunday, 19 January 2025	0.0	0.0	0.0	0.0	**0.0**
Monday, 20 January 2025	0.0	0.0	0.0	0.0	**0.0**
Tuesday, 21 January 2025	0.0	0.0	0.0	0.0	**0.0**
Wednesday, 22 January 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 23 January 2025					
Friday, 24 January 2025	3.8	0.0	0.0	4.2	**2.0**
Saturday, 25 January 2025	0.0	0.0	0.0	0.0	**0.0**
Sunday, 26 January 2025	0.0	0.2	0.0	0.0	**0.1**
Monday, 27 January 2025	0.0	0.4	0.0	0.0	**0.1**
Tuesday, 28 January 2025	0.6	2.4	0.2	0.0	**0.8**
Wednesday, 29 January 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 30 January 2025	0.0	0.0	0.0	0.0	**0.0**
Friday, 31 January 2025	0.0	0.0	0.0	0.0	**0.0**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Saturday, 1 February 2025	0.0	0.0	0.0	0.0	**0.0**
Sunday, 2 February 2025	0.0	0.0	0.0	0.0	**0.0**
Monday, 3 February 2025	0.0	17.8	10.8	10.0	**9.7**
Tuesday, 4 February 2025	0.0	0.0		0.0	**0.0**
Wednesday, 5 February 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 6 February 2025		0.0		0.0	**0.0**
Friday, 7 February 2025	0.0	0.0	0.0	0.0	**0.0**
Saturday, 8 February 2025	0.2	0.0	0.0	0.0	**0.1**
Sunday, 9 February 2025	0.2	0.4	0.0	0.0	**0.2**
Monday, 10 February 2025	0.0	0.0	0.0	0.0	**0.0**
Tuesday, 11 February 2025	0.0	0.0	0.0	0.0	**0.0**
Wednesday, 12 February 2025	0.0	0.0	0.0	0.0	**0.0**
Thursday, 13 February 2025	0.0	0	0.0	0.0	**0.0**
Friday, 14 February 2025	0.2	2	0.8		**1.0**
Saturday, 15 February 2025	3.4	1.2	2.6	1.8	**2.3**
Sunday, 16 February 2025	20.0	8	7.4		**11.8**
Monday, 17 February 2025	1.2	1.8	0.0	0.2	**0.8**
Tuesday, 18 February 2025	0.0	0	0.0	0.2	**0.1**
Wednesday, 19 February 2025	4.4	1	0.4	0.2	**1.5**
Thursday, 20 February 2025	0.2	0	0.2	0.0	**0.1**
Friday, 21 February 2025	0.0	0	0.0	0.0	**0.0**
Saturday, 22 February 2025	0.0	0	0.0	0.0	**0.0**
Sunday, 23 February 2025	0.0	0	0.0	0.0	**0.0**
Monday, 24 February 2025	2.0	0	0.0	1.8	**1.0**
Tuesday, 25 February 2025	0.0	0	0.0	0.0	**0.0**
Wednesday, 26 February 2025	0.0	0	0.0	0.0	**0.0**
Thursday, 27 February 2025	0.0	0	0.0	0.0	**0.0**
Friday, 28 February 2025	0.0	0.2	0.0	0.0	**0.1**
Saturday, 1 March 2025	0.2	0.2	0.0	0.0	**0.1**
Sunday, 2 March 2025	0.0	0	0.0	0.0	**0.0**
Monday, 3 March 2025		0	0.0	0.0	**0.0**
Tuesday, 4 March 2025	0.2	0	0.0	0.2	**0.1**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Wednesday, 5 March 2025	0.0	0	0.0	0.0	**0.0**
Thursday, 6 March 2025	0.2	0	0.0		**0.1**
Friday, 7 March 2025	0.2	0	0.0		**0.1**
Saturday, 8 March 2025	0.2	0	0.0	0.0	**0.1**
Sunday, 9 March 2025	0.0	0	0.0	0.0	**0.0**
Monday, 10 March 2025	0.2	1	11.4	0.0	**3.2**
Tuesday, 11 March 2025	0.0	0	0.0	0.0	**0.0**
Wednesday, 12 March 2025	0.0	0	0.0	0.0	**0.0**
Thursday, 13 March 2025	19.0	3.2	5.4	9.4	**9.3**
Friday, 14 March 2025	0.2	0	0.0	0.2	**0.1**
Saturday, 15 March 2025	0.4	0	0.0	0.0	**0.1**
Sunday, 16 March 2025	6.2	5.6	5.4	6.0	**5.8**
Monday, 17 March 2025	50.0	10	22.6		**27.5**
Tuesday, 18 March 2025	0.0	0	0.0	0.0	**0.0**
Wednesday, 19 March 2025	0.0	0	0.0	0.0	**0.0**
Thursday, 20 March 2025	0.0	0	0.0	0.0	**0.0**
Friday, 21 March 2025	33.8	29.6	17.8	15.4	**24.2**
Saturday, 22 March 2025	0.6	0	0.2	0.0	**0.2**
Sunday, 23 March 2025	0.0	0	0.0	0.0	**0.0**
Monday, 24 March 2025	0.2	0	0.0	0.0	**0.1**
Tuesday, 25 March 2025	0.2	0	0.0	0.0	**0.1**
Wednesday, 26 March 2025	0.2	0	0.0	0.0	**0.1**
Thursday, 27 March 2025	0.2	0	0.0	0.0	**0.1**
Friday, 28 March 2025	0.0	0	0.0	0.0	**0.0**
Saturday, 29 March 2025	3.8	0	0.0	1.8	**1.4**
Sunday, 30 March 2025	0.4	0.2	0.4	0.6	**0.4**
Monday, 31 March 2025	0.4	0	0.2	0.0	**0.2**
Tuesday, 1 April 2025	0.0	0	0.0	0.0	**0.0**
Wednesday, 2 April 2025	0.0	0	0.0	0.0	**0.0**
Thursday, 3 April 2025	0.0	0	0.0	0.0	**0.0**
Friday, 4 April 2025	0.4	0	0.4	0.4	**0.3**
Saturday, 5 April 2025	10.8	2.2	1.0	2.4	**4.1**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	**Combined Average Rainfall (mm)**
Sunday, 6 April 2025	0.2	0	0.0	0.2	**0.1**
Monday, 7 April 2025	2.2	1.2	0.0	0.4	**1.0**
Tuesday, 8 April 2025	1.6	0.4	0.2	0.2	**0.6**
Wednesday, 9 April 2025	0.2	0	0.2	0.0	**0.1**
Thursday, 10 April 2025	0.0	0	0.0	0.0	**0.0**
Friday, 11 April 2025	0.0	0	0.0		**0.0**
Saturday, 12 April 2025	0.0	0	0.0	0.0	**0.0**
Sunday, 13 April 2025	0.2	0	0.0		**0.1**
Monday, 14 April 2025	0.0	0	0.0	0.0	**0.0**
Tuesday, 15 April 2025	0.2	0	0.0	0.0	**0.1**
Wednesday, 16 April 2025	**STOP USING**	0	0.0	0.0	**0.0**
Thursday, 17 April 2025		0	0.0	0.0	**0.0**
Friday, 18 April 2025		0.4	0.2	0.0	**0.2**
Saturday, 19 April 2025		0	0.2	0.2	**0.1**
Sunday, 20 April 2025		0.2	0.0	0.6	**0.3**
Monday, 21 April 2025		0.4	0.2		**0.3**
Tuesday, 22 April 2025		0.8	2.9	1.8	**1.8**
Wednesday, 23 April 2025		0	0.2	0.0	**0.1**
Thursday, 24 April 2025		0	0.0	0.0	**0.0**
Friday, 25 April 2025		0	0.0	0.0	**0.0**
Saturday, 26 April 2025		4.6	5.6	8.4	**6.2**
Sunday, 27 April 2025		0	0.0	0.0	**0.0**
Monday, 28 April 2025		0	0.0	0.0	**0.0**
Tuesday, 29 April 2025		0.2	0.0	0.4	**0.2**
Wednesday, 30 April 2025		9.4	3.0	2.0	**4.8**
Thursday, 1 May 2025		0.2	0.0	0.0	**0.1**
Friday, 2 May 2025		0	0.0		**0.0**
Saturday, 3 May 2025		0	0.0	0.0	**0.0**
Sunday, 4 May 2025		0	0.0	0.0	**0.0**
Monday, 5 May 2025		0	0.0	0.0	**0.0**
Tuesday, 6 May 2025		0	0.0	0.0	**0.0**
Wednesday, 7 May 2025		0	0.0		**0.0**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Thursday, 8 May 2025		1.8	0.8	0.8	1.1
Friday, 9 May 2025		0	0.0	0.0	**0.0**
Saturday, 10 May 2025		0	0.0	0.0	**0.0**
Sunday, 11 May 2025		0	0.0	0.0	**0.0**
Monday, 12 May 2025		0	0.0	0.0	**0.0**
Tuesday, 13 May 2025		0	0.0	0.0	**0.0**
Wednesday, 14 May 2025		0	0.0	0.0	**0.0**
Thursday, 15 May 2025		0.2	0.0	0.0	**0.1**
Friday, 16 May 2025		0.2	0.0	0.0	**0.1**
Saturday, 17 May 2025		5.8	2.2	3.4	**3.8**
Sunday, 18 May 2025		0.6	3.2	4.4	**2.7**
Monday, 19 May 2025		0	0.0	0.0	**0.0**
Tuesday, 20 May 2025		0	0.2	0.2	**0.1**
Wednesday, 21 May 2025		0	0.0	0.0	**0.0**
Thursday, 22 May 2025		0	0.0	0.0	**0.0**
Friday, 23 May 2025		0	0.0	0.0	**0.0**
Saturday, 24 May 2025		14	6.4	2.6	**7.7**
Sunday, 25 May 2025		0	0.0	0.2	**0.1**
Monday, 26 May 2025		0	0.0	0.0	**0.0**
Tuesday, 27 May 2025		0.4	0.0	0.0	**0.1**
Wednesday, 28 May 2025		9.6	4.6	5.6	**6.6**
Thursday, 29 May 2025		0.4	1.2	0.8	**0.8**
Friday, 30 May 2025		0	0.0	0.0	**0.0**
Saturday, 31 May 2025		0	0.0	0.0	**0.0**
Sunday, 1 June 2025		0	0.0	0.0	**0.0**
Monday, 2 June 2025		0	0.0	0.0	**0.0**
Tuesday, 3 June 2025		1.2	1.4	0.6	**1.1**
Wednesday, 4 June 2025		5.2	0.8		**3.0**
Thursday, 5 June 2025		0	0.0		**0.0**
Friday, 6 June 2025		0	0.0	0.0	**0.0**
Saturday, 7 June 2025		0.8	0.2	0.6	**0.5**
Sunday, 8 June 2025		11.2	18.8	22.6	**17.5**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Monday, 9 June 2025		18.6	7.6	15.4	**13.9**
Tuesday, 10 June 2025		4.4	3.6	2.6	**3.5**
Wednesday, 11 June 2025		6.4	0.2	1.4	**2.7**
Thursday, 12 June 2025			0.0	0.2	**0.1**
Friday, 13 June 2025		0	0.0	0.0	**0.0**
Saturday, 14 June 2025		0	0.2	0.0	**0.1**
Sunday, 15 June 2025		0	0.0	0.0	**0.0**
Monday, 16 June 2025		0	0.0	0.0	**0.0**
Tuesday, 17 June 2025		4	5.0	3.8	**4.3**
Wednesday, 18 June 2025		0	0.0	0.2	**0.1**
Thursday, 19 June 2025		0.2	0.0	0.0	**0.1**
Friday, 20 June 2025		0	0.0	0.0	**0.0**
Saturday, 21 June 2025		0	0.0	0.0	**0.0**
Sunday, 22 June 2025		0	0.0	0.0	**0.0**
Monday, 23 June 2025		0	0.2	0.0	**0.1**
Tuesday, 24 June 2025		3.2	3.2	2.8	**3.1**
Wednesday, 25 June 2025		3.4	4.4	3.6	**3.8**
Thursday, 26 June 2025		9	6.2	7.6	**7.6**
Friday, 27 June 2025		0.4	0.0	0.4	**0.3**
Saturday, 28 June 2025		0	0.2	0.0	**0.1**
Sunday, 29 June 2025		0	0.0	0.0	**0.0**
Monday, 30 June 2025		6.2	0.4	1.4	**2.7**
Tuesday, 1 July 2025		0.6	1.0	3.6	**1.7**
Wednesday, 2 July 2025		0.6	0.4	5.0	**2.0**
Thursday, 3 July 2025		14.6	12.0	16.4	**14.3**
Friday, 4 July 2025		0	0.2	0.0	**0.1**
Saturday, 5 July 2025		0	0.0	0.0	**0.0**
Sunday, 6 July 2025		0	0.0	0.0	**0.0**
Monday, 7 July 2025		0	0.0	0.0	**0.0**
Tuesday, 8 July 2025		0	0.0	0.0	**0.0**
Wednesday, 9 July 2025		0.2	0.0	0.2	**0.1**
Thursday, 10 July 2025		2.8	3.8	4.2	**3.6**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	**Combined Average Rainfall (mm)**
Friday, 11 July 2025		6	1.2	1.4	**2.9**
Saturday, 12 July 2025		5	0.6	1.0	**2.2**
Sunday, 13 July 2025		0	0.0	0.2	**0.1**
Monday, 14 July 2025		3.4	1.8	4.2	**3.1**
Tuesday, 15 July 2025		0.2	0.0	0.6	**0.3**
Wednesday, 16 July 2025		1.8	0.4	0.0	**0.7**
Thursday, 17 July 2025		0.2	0.0	0.0	**0.1**
Friday, 18 July 2025		6.8	0.4	0.4	**2.5**
Saturday, 19 July 2025		0.2	0.0	0.2	**0.1**
Sunday, 20 July 2025		0.4	0.0	1.0	**0.5**
Monday, 21 July 2025		0	0.0	0.0	**0.0**
Tuesday, 22 July 2025		0	0.0	0.0	**0.0**
Wednesday, 23 July 2025		3.4	5.0	6.2	**4.9**
Thursday, 24 July 2025		0.2	1.0	1.6	**0.9**
Friday, 25 July 2025		0	0.0	0.0	**0.0**
Saturday, 26 July 2025		0	0.2	0.2	**0.1**
Sunday, 27 July 2025		6.6	2.2	11.0	**6.6**
Monday, 28 July 2025		6	4.0	10.2	**6.7**
Tuesday, 29 July 2025		3.2	1.2	0.2	**1.5**
Wednesday, 30 July 2025		0.2	0.0	0.2	**0.1**
Thursday, 31 July 2025		0	0.0	0.0	**0.0**
Friday, 1 August 2025		0	0.0	0.2	**0.1**
Saturday, 2 August 2025		0	0.0	0.2	**0.1**
Sunday, 3 August 2025		0.2	0.0	0.2	**0.1**
Monday, 4 August 2025		0	0.0	0.0	**0.0**
Tuesday, 5 August 2025		2.8	3.6	5.6	**4.0**
Wednesday, 6 August 2025		1	0.0	0.0	**0.3**
Thursday, 7 August 2025		0.2	0.0	0.0	**0.1**
Friday, 8 August 2025		0	0.0	0.0	**0.0**
Saturday, 9 August 2025		0	0.0	0.0	**0.0**
Sunday, 10 August 2025		0	0.2	0.2	**0.1**
Monday, 11 August 2025		0	0.0	0.0	**0.0**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Tuesday, 12 August 2025		0	0.0	0.0	**0.0**
Wednesday, 13 August 2025		8.4	9.4	7.2	**8.3**
Thursday, 14 August 2025		0.2	0.0	0.4	**0.2**
Friday, 15 August 2025		0	0.0	0.0	**0.0**
Saturday, 16 August 2025		4.2	5.0	9.2	**6.1**
Sunday, 17 August 2025		1.2	0.0	0.2	**0.5**
Monday, 18 August 2025		0	0.0	0.0	**0.0**
Tuesday, 19 August 2025		0	0.0	0.2	**0.1**
Wednesday, 20 August 2025		0	0.0	0.0	**0.0**
Thursday, 21 August 2025		0	0.0	0.0	**0.0**
Friday, 22 August 2025		0	0.0	0.0	**0.0**
Saturday, 23 August 2025		0.2	0.0	0.0	**0.1**
Sunday, 24 August 2025		0	0.0	0.0	**0.0**
Monday, 25 August 2025		0	0.0	0.0	**0.0**
Tuesday, 26 August 2025		0.4	0.0		**0.2**
Wednesday, 27 August 2025		13	13.4		**13.2**
Thursday, 28 August 2025		1	2.0	3.0	**2.0**
Friday, 29 August 2025		0.4	0.0	0.4	**0.3**
Saturday, 30 August 2025		5.2	5.0	0.2	**3.5**
Sunday, 31 August 2025		0	0.0	1.2	**0.4**
Monday, 1 September 2025		0.8	1.0	1.8	**1.2**
Tuesday, 2 September 2025		0.2	0.0	0.0	**0.1**
Wednesday, 3 September 2025		0.2	0.0	0.0	**0.1**
Thursday, 4 September 2025		1	0.8	2.8	**1.5**
Friday, 5 September 2025		5.4	0.6	2.6	**2.9**
Saturday, 6 September 2025		0	0.0	0.0	**0.0**
Sunday, 7 September 2025		0	0.0	0.0	**0.0**
Monday, 8 September 2025		1.8	0.6	0.2	**0.9**
Tuesday, 9 September 2025		1.4	1.8	1.2	**1.5**
Wednesday, 10 September 2025		0	0.2	0.2	**0.1**
Thursday, 11 September 2025		1.4	1.4	1.4	**1.4**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	**Combined Average Rainfall (mm)**
Friday, 12 September 2025		0	0.2	0.0	**0.1**
Saturday, 13 September 2025		0	0.0	0.0	**0.0**
Sunday, 14 September 2025		0	0.0	0.0	**0.0**
Monday, 15 September 2025		0	0.0	0.0	**0.0**
Tuesday, 16 September 2025		0.6	0.6	1.6	**0.9**
Wednesday, 17 September 2025		1.6	1.6	5.6	**2.9**
Thursday, 18 September 2025		0		0.0	**0.0**
Friday, 19 September 2025		0	0.0	0.0	**0.0**
Saturday, 20 September 2025		0.6	0.2	0.6	**0.5**
Sunday, 21 September 2025		0.2	2.0	0.0	**0.7**
Monday, 22 September 2025		12.6	2.8	3.4	**6.3**
Tuesday, 23 September 2025		1.8	1.0	3.0	**1.9**
Wednesday, 24 September 2025		0	0.0	0.0	**0.0**
Thursday, 25 September 2025		0.8	2.0	1.8	**1.5**
Friday, 26 September 2025		0	0.2	0.0	**0.1**
Saturday, 27 September 2025		0	0.0	0.6	**0.2**
Sunday, 28 September 2025		0	0.0	0.0	**0.0**
Monday, 29 September 2025		0	0.0	0.0	**0.0**
Tuesday, 30 September 2025		0.6	1.0	0.2	**0.6**
Wednesday, 1 October 2025		6	0.4	0.8	**2.4**
Thursday, 2 October 2025		4.4	5.0	5.8	**5.1**
Friday, 3 October 2025		1.6	0.0	3.2	**1.6**
Saturday, 4 October 2025		0.6	0.2	0.0	**0.3**
Sunday, 5 October 2025		0	0.0	0.0	**0.0**
Monday, 6 October 2025		6.2	3.2	7.2	**5.5**
Tuesday, 7 October 2025		0	0.2	0.0	**0.1**
Wednesday, 8 October 2025		0	0.0	0.0	**0.0**
Thursday, 9 October 2025		0	0.0	0.0	**0.0**
Friday, 10 October 2025		0	0.0	0.0	**0.0**
Saturday, 11 October 2025		0	0.0	0.0	**0.0**
Sunday, 12 October 2025		1	2.6	3.6	**2.4**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Monday, 13 October 2025		8	6.0	8.0	**7.3**
Tuesday, 14 October 2025		0	0.2	0.2	**0.1**
Wednesday, 15 October 2025		0	0.0	0.0	**0.0**
Thursday, 16 October 2025		0	0.0	0.0	**0.0**
Friday, 17 October 2025		0	0.0	0.0	**0.0**
Saturday, 18 October 2025		0	0.0	0.2	**0.1**
Sunday, 19 October 2025		0	0.0	0.0	**0.0**
Monday, 20 October 2025		1.6	5.6	7.8	**5.0**
Tuesday, 21 October 2025		0.4	1.2	1.0	**0.9**
Wednesday, 22 October 2025		7.6		2.4	**5.0**
Thursday, 23 October 2025		16.8	11.2	6.6	**11.5**
Friday, 24 October 2025		0.2	0.2	0.0	**0.1**
Saturday, 25 October 2025		0.2	0.0	0.0	**0.1**
Sunday, 26 October 2025		9.8	4.8	4.8	**6.5**
Monday, 27 October 2025		18.4	20.4	19.4	**19.4**
Tuesday, 28 October 2025		0	0.0	0.0	**0.0**
Wednesday, 29 October 2025		0	0.0	0.0	**0.0**
Thursday, 30 October 2025		0	0.0	0.0	**0.0**
Friday, 31 October 2025		0	0.0	0.4	**0.1**
Saturday, 1 November 2025		1	1.2	3.2	**1.8**
Sunday, 2 November 2025		0	0.0	0.2	**0.1**
Monday, 3 November 2025		15.8	15.2	9.2	**13.4**
Tuesday, 4 November 2025			35.6	28.6	**32.1**
Wednesday, 5 November 2025		2.2	1.0	5.2	**2.8**
Thursday, 6 November 2025		0	0.0		**0.0**
Friday, 7 November 2025		2	1.6	2.6	**2.1**
Saturday, 8 November 2025		2.6	4.8	8.2	**5.2**
Sunday, 9 November 2025		7.4	6.2	11.4	**8.3**
Monday, 10 November 2025		0	0.2	0.0	**0.1**
Tuesday, 11 November 2025		18.6	18.2	21.8	**19.5**
Wednesday, 12 November 2025		1.4	2.0	7.0	**3.5**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	Combined Average Rainfall (mm)
Thursday, 13 November 2025		0	0.0	0.0	**0.0**
Friday, 14 November 2025		0	0.0	0.0	**0.0**
Saturday, 15 November 2025		3.6	4.0	2.6	**3.4**
Sunday, 16 November 2025		0	0.2	0.0	**0.1**
Monday, 17 November 2025		8.4	4.6	6.4	**6.5**
Tuesday, 18 November 2025		1.2	0.8	1.0	**1.0**
Wednesday, 19 November 2025		0	0.8	0.6	**0.5**
Thursday, 20 November 2025		0	0.4	0.6	**0.3**
Friday, 21 November 2025		0.4	0.2	0.2	**0.3**
Saturday, 22 November 2025		0	0.0	0.0	**0.0**
Sunday, 23 November 2025		27.2	24.8	19.6	**23.9**
Monday, 24 November 2025		0	0.0	0.4	**0.1**
Tuesday, 25 November 2025		0.2	0.0	0.0	**0.1**
Wednesday, 26 November 2025		0	0.0	0.0	**0.0**
Thursday, 27 November 2025		3.8	6.2	3.6	**4.5**
Friday, 28 November 2025		0.2	0.0	0.0	**0.1**
Saturday, 29 November 2025		13.8	15.2	25.4	**18.1**
Sunday, 30 November 2025		0	0.0	1.6	**0.5**
Monday, 1 December 2025		6	11.8	9.6	**9.1**
Tuesday, 2 December 2025		4	6.6	9.0	**6.5**
Wednesday, 3 December 2025		0	0.0	0.0	**0.0**
Thursday, 4 December 2025		0	0.0	0.0	**0.0**
Friday, 5 December 2025			0.4	0.0	**0.2**
Saturday, 6 December 2025		0	0.0	0.0	**0.0**
Sunday, 7 December 2025			2.0	4.0	**3.0**
Monday, 8 December 2025		0	0.0	0.0	**0.0**
Tuesday, 9 December 2025		0.2	0.0	0.0	**0.1**
Wednesday, 10 December 2025		0	0.0	0.0	**0.0**
Thursday, 11 December 2025		0	0.0	0.0	**0.0**
Friday, 12 December 2025		0	0.0	0.0	**0.0**

Date	Ferny Creek	Frankston	Moorabbin	Scoresby	**Combined Average Rainfall (mm)**
Saturday, 13 December 2025			0.0	0.0	**0.0**
Sunday, 14 December 2025		0	0.0	0.0	**0.0**
Monday, 15 December 2025		0	0.0	0.0	**0.0**
Tuesday, 16 December 2025		0	0.0	0.0	**0.0**
Wednesday, 17 December 2025		0	0.0		**0.0**
Thursday, 18 December 2025		0	0.0	0.0	**0.0**
Friday, 19 December 2025		0	0.0	0.0	**0.0**
Saturday, 20 December 2025		0.6	1.0	0.8	**0.8**
Sunday, 21 December 2025		0	0.2		**0.1**
Monday, 22 December 2025		13.4	15.6		**14.5**
Tuesday, 23 December 2025		0.6	0.8	0.4	**0.6**
Wednesday, 24 December 2025		0.2	0.2	0.0	**0.1**
Thursday, 25 December 2025		0	0.0	0.0	**0.0**
Friday, 26 December 2025		0	0.0	0.0	**0.0**
Saturday, 27 December 2025		0	0.0	0.0	**0.0**
Sunday, 28 December 2025		0	0.0		**0.0**
Monday, 29 December 2025		0	0.0	0.0	**0.0**
Tuesday, 30 December 2025			0.0		**0.0**
Wednesday, 31 December 2025			0.0		**0.0**

Blue highlight = scheduled fortnightly WQ sampling event
Light red highlight = >10mm rainfall
Dark red highlight = WQ sampling event in response to >10mm rainfall