



EPL 21807 Monitoring Report June 2026

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Parklife Metro D&C

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Contents

1	Introduction.....	5
1.1	Background	5
1.1.1	Stations, Systems, Trains, Operations and Maintenance works	5
1.2	Scope of this report	7
2	Reporting requirements	8
3	Monitoring	16
3.1	Weather Monitoring	16
3.2	Noise and Vibration Monitoring.....	17
3.3	Water Monitoring	18
3.3.1	Surface water monitoring.....	18
3.3.2	Discharge to water.....	18
Appendix A	Weather Observations – Penrith Lakes	23
	Weather Observations – Badgerys Creek	24
Appendix B	Noise Monitoring.....	25
Appendix C	Discharge to water.....	26
Appendix D	Surface water monitoring.....	27
Appendix E	Premise Maps – June.....	28

Table of Figures

FIGURE 1 OVERVIEW OF SMWSA PROJECT	6
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Table of Tables

TABLE 1 LICENCE DETAILS	7
TABLE 2 EPL 21807 MONITORING REQUIREMENTS	9
TABLE 3 WEATHER SUMMARY AND TRIGGER WEATHER EVENTS FOR REPORTING PERIOD	16
TABLE 4 SUMMARY OF NOISE MONITORING FOR REPORTING PERIOD	17
TABLE 5 MONITORING/DISCHARGE POINTS AND AREAS	19
TABLE 6 - MONTHLY WEATHER OBSERVATION TABLE (PENRITH LAKES).....	23
TABLE 7 - MONTHLY WEATHER OBSERVATION TABLE (BADGERYS CREEK).....	24
TABLE 9 - WATER DISCHARGE TABLE	26

1 Introduction

1.1 Background

Sydney Metro is Australia's biggest public transport program comprising four main packages of work including Metro North-West Line, Sydney Metro City and Southwest, Sydney Metro West, and Sydney Metro Western Sydney Airport (SMWSA, the Project). The SMWSA will become the transport spine for Greater Western Sydney, connecting communities and travellers with the new Western Sydney International (Nancy-Bird Walton) Airport (referred to as Western Sydney International) and the growing region.

The Project involves the construction and operation of a new metro railway line around 23km in length that extends from the existing Sydney Trains suburban T1 Western Line at St Marys in the north to the new Bradfield Station in the south at Bringelly. The alignment includes a combination of tunnel, surface, bridges and viaduct sections, and comprises of six new metro stations between St Marys and the Bradfield Core precinct, as well as a stabling and maintenance facility and operational control centre to support the operation of the new metro railway line (see Figure 1).

1.1.1 Stations, Systems, Trains, Operations and Maintenance works

Parklife Metro D&C has been engaged to deliver the Stations, Systems, Trains, Operations and Maintenance (SSTOM) works. The scope of the Stations, Systems, Trains, Operations and Maintenance (SSTOM) package comprises:

- construction of the six new stations
- installation of tracks, signalling, mechanical and electrical systems
- supplying new driverless trains
- construction of stabling and maintenance facility at Orchard Hills
- operation and maintenance of the line and its assets, and
- handback of operations and maintenance at the end of term.

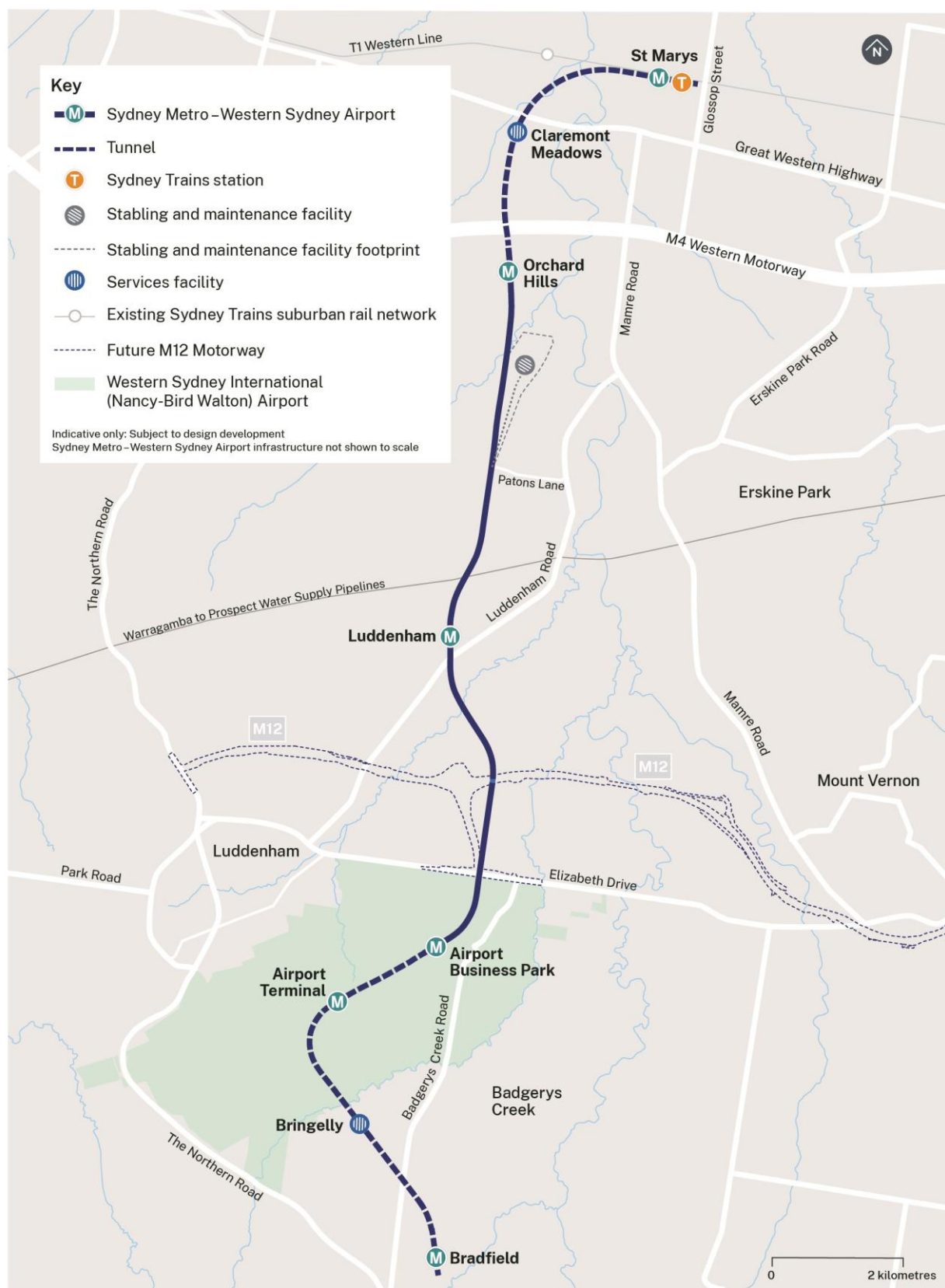


FIGURE 1 OVERVIEW OF SMWSA PROJECT

1.2 Scope of this report

Parklife Metro D&C have been issued an Environment Protection Licence (EPL No. 21807) from the NSW Environment Protection Authority (EPA) for the SMWSA SSTOM Works. The EPL applies to the works approved under the Infrastructure Approval SSI-10051 associated with the delivery of the off-airport portion of the SMWSA SSTOM Works, as detailed in Table 1. This EPL Monitoring Report provides the results of all pollution monitoring required to be measured or monitored by the licensee of EPL 21807 within the reporting period as required by Section 66 of the *Protection of the Environment Operations Act 1997* (POEO Act) and with reference to EPA Publication *Requirements for publishing pollution monitoring data* (Environment Protection Authority, 2013).

TABLE 1 LICENCE DETAILS

Licence Details	
Number	21807
Copy of Licence	Environment & Heritage POEO Licences, Application and Notice Detail (nsw.gov.au)
Anniversary Date	20-July
Licensee	WEBUILD S.P.A
Premises	SYDNEY METRO WESTERN SYDNEY AIRPORT SSTOM PACKAGE FOOTPRINT SYDNEY METRO WESTERN SYDNEY AIRPORT-STATIONS, SYSTEMS, TRAINS, OPERATION & MAINTENANCE PACKAGE
Scheduled Activity	Railway activities – railway infrastructure construction

2 Reporting requirements

Under the POEO Act, holders of environment protection licences (licensees) must publish or make pollution monitoring data available to members of the public.

The POEO Act Section 66 requires:

“Conditions requiring monitoring, certification or provision of information, and related offences

(1) Monitoring The conditions of a licence may require—

(a) monitoring by the holder of the licence of the activity or work authorised, required or controlled by the licence, including with respect to—

(i) the operation or maintenance of premises or plant, and

(ii) discharges from premises, and

(iii) relevant ambient conditions prevailing on or outside premises, and

(iv) anything required by the conditions of the licence, and

(b) the provision and maintenance of appropriate measuring and recording devices for the purposes of that monitoring, and

(c) the analysis, reporting and retention of monitoring data.

(2) False or misleading information A holder of a licence who supplies information, or on whose behalf information is supplied, to the appropriate regulatory authority under the conditions of the licence is guilty of an offence if the information is false or misleading in a material respect.”

The primary objective of the EPL Monitoring Report is that members of the public have access to the results of all pollution monitoring (which a licence specifies must be carried out) in a way that is meaningful to them.

The monitoring data that must be published and/or made available on request is any data that is obtained as a result of a monitoring condition on a licence that relates to air, water (surface or groundwater), noise and/or land pollution. The data to be published or provided is limited to data that relates to pollutants generated, discharged or emitted from the licensed premises.

The data is provided in tabular format that is easy for the general public to understand. Tables definitively display raw data values, while graphs and charts are useful for overviews and visualisation of long-term trends. Raw data will be provided upon request.

This EPL Monitoring Report will provide explanations as to why data may appear to be missing, which may be due to there being no discharge or the level of pollutant being below the detection level of the measurement instrument.

It's possible from time to time that incorrect data may get published in good faith. As soon as practicable after the licensee becomes aware that the published pollution monitoring data is incorrect or misleading, licensees must then publish a correction log to correct this data that is incorrect or misleading.

Table 2 provides a summary of the monitoring requirements of EPL 21807.

TABLE 2 EPL 21807 MONITORING REQUIREMENTS

EPL Condition	Requirement	Report Reference
Weather		
M5.1	The licensee must monitor and record temperature, wind direction, wind velocity and rainfall at either the project weather station, or through analysis of equivalent weather information obtained from the Australian Bureau of Meteorology. Monitoring must: a) be representative of the premises; b) commence prior to any works that may cause sediment to leave the premises; and c) continue to be operated until soil disturbance activities cease at the premises and the site has been stabilised.	Section 3.1 Appendix A
Noise		
L5.9	Works outside of standard construction hours – Regulatory Requirements In undertaking any works and activities outside of standard construction hours under condition L5.8, the licensee must comply with the following: a) Prepare a construction noise and vibration impact assessment in accordance with the Interim Construction Noise Guideline (DEC, 2009) that is to include: i. a description of the proposed works and activities outside of standard construction hours; ii. predictions of LAeq (15 minute) dB noise levels at noise sensitive receivers from these works and activities, where noise levels are predicted to be greater than those permitted under condition L5.3; and iii. a monitoring plan to validate the noise predictions, based on monitoring at the boundary of representative sensitive receivers during noise generating activities that are representative of the works and activities, including during the period/s predicted to have the highest noise level impacts. b) Undertake noise monitoring in accordance with the monitoring plan required by condition L5.9(a)(iii).	Section 3.2 Appendix B

L5.10	St Marys Station, Orchard Hills Station and Bradfield Station - Out of Hours Concrete Works Concrete works associated with station box construction at St Marys Station, Orchard Hills Station and Bradfield Station, including concrete pouring, finishing and cleaning, are permitted to be undertaken outside of standard construction hours specified in L5.1 provided that: a) Works are required to achieve compliance with overarching project technical requirements, b) Works had already begun within a reasonable time prior to end of standard construction hours, c) Out of Hours (OOH) works are undertaken from 5am to 7am and 6pm to 12am (midnight), Monday to Friday and 6am to 8am and 1pm to 6pm on Saturday, d) Station box base slab and wall concreting activities and supporting formwork and reinforcement activities are permitted to occur up to 12am (midnight) Monday to Friday a total of 12 times per month until all base slabs and wall pours are completed, e) Station box base slab and wall concreting activities and supporting formwork and reinforcement activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 12am (midnight) on Monday to Friday, f) All other concreting activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 10pm on Monday to Friday, g) Concrete finishing works (e.g. power floats, hand tools) must be completed before 12am (midnight) on Monday to Friday, h) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b), i) The licensee is required to undertake noise monitoring on a monthly basis at each Station and additionally monitor the first three instances of OOH concrete works at each Station: 1. commencing prior to 7am, and 2. extending past 10pm j) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month, k) Works are permitted to occur until 31 August 2026.	Section 3.2 Appendix B
L5.11	Bradfield Station - Out of Hours Precast Concrete Beam Installation Precast beam installation for station box construction at Bradfield Station sites is permitted to be undertaken outside of standard construction hours specified in L5.1, provided that: a) Works are required to achieve compliance with project requirements for unloading oversize/overmass precast beam deliveries and site safety requirements, b) Works and activities are undertaken from 12am (midnight) to 7am, Monday to Friday nights, c) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b), d) The licensee is required to undertake noise monitoring at each Station on a monthly basis, and additionally monitor: 1. the first two instances of OOH concrete beam installation at each Station, and 2. the first two instances of OOH concrete beam installation at each Station that occurs concurrently with activities permitted under Condition L5.10. e) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month, f) Works are permitted to occur until 30 September 2026.	Section 3.2 Appendix B

L5.14	Works outside standard construction hours - 24-hour works a) The following works are permitted to be undertaken 24 hours a day, 7 days per week for activities at the St Marys Station Site, Claremont Meadows services shaft site, Orchard Hills Station site, Bringelly services shaft site, and Bradfield Station site: - Tunnel and underground station box fit out works and ancillary surface support works - Haulage and delivery of materials to the Claremont Meadows services shaft site and Bringelly services shaft site. b) The licensee is required to undertake attended noise monitoring: - on the first two occasions of 24-hour works at each site: - St Marys Station site, - Claremont Meadows services shaft site, - Orchard Hills Station site, - Bringelly services shaft site, - Bradfield Station site, and - noise monitoring must occur in the night time period. - the licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of the month in which noise monitoring was undertaken.	
M4.4	The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA. Where the monitoring is requested to take place on private land (for example a residential property) the licensee must request permission to access the premises in advance and keep a record of permission requests and responses. If a licensee is unable to obtain permission, the licensee must undertake the monitoring at an indicative location where possible and they must provide the response (including any nil response) to the EPA.	Not triggered
Community Agreements The licensee may work outside standard construction hours (as defined in L5.1) in circumstances other than those permitted under conditions L5.3, L5.4, or any other condition of the licence, subject to the condition outlined Section E1.		
E1.4	A noise validation monitoring plan must be submitted to the EPA for approval as part of the community agreement documentation prior to any OOHW occurring.	Section 3.2 Appendix B
E1.5	Validation monitoring must be undertaken for any OOHW that are the approved under condition E1.1 and must: - be undertaken in accordance with the monitoring plan prepared under condition E1.4; - be performed by a Competent Person; - be performed on at least the first 2 occasions (day, evening, nights) where OOHW will be undertaken and are likely to impact Noise Sensitive Receivers; - be performed on any other occasion (day, evening, night) where the nature of the works is likely to cause greater noise impacts than the first 2 occasions; - be representative of the impacts in terms of monitoring locations, time and duration of measurements; and - be recorded and provided to an EPA officer upon request.	Section 3.2 Appendix B
Water		

P1.1

The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

EPA Identification no	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek referred to in Condition P1.2
2	Discharge and Monitoring	Discharge and Monitoring	The outlet of the water treatment plant on the St Marys site discharging to South Creek
3	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Orchard Hills site discharging to an Unnamed Creek (tributary of South Creek) referred to in Condition P1.2
4	Discharge and Monitoring	Discharge and Monitoring	The outlet of the water treatment plant on the Bradfield site discharging to Thompson Creek
5	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin at the Stabling and Maintenance Facility site discharging to Blaxland Creek referred to in Condition P1.2
6	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin discharging to Cosgroves Creek referred to in Condition P1.2
7	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on Orchard Hills site discharging to South Creek referred to in Condition P1.2
8	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin near Elizabeth Drive discharging to Badgerys Creek referred to in Condition P1.2
9	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin at the Claremont Meadows site discharging to local stormwater referred to in Condition P1.2.
10	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin at the Claremont Meadows site discharging to local stormwater referred to in Condition P1.2.
11	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin discharging to an unnamed tributary of Blaxland Creek referred to in Condition P1.2.
12	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Stabling and Maintenance Facility site discharging to Blaxland Creek referred to in Condition P1.2
13	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin located south of Patons Lane discharging to an unnamed tributary of South Creek referred to in Condition P1.2
14	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin at the Bringelly site discharging to Badgerys Creek referred to in Condition P1.2.
15	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin near Luddenham Station

Section
3.3.2

Table 5

				discharging to an unnamed tributary of South Creek referred to in Condition P1.2	
	16	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Linewide North site discharging to Blaxland Creek referred to in Condition P1.2	
	17	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek referred to in Condition P1.2	

M2.2

Water and/or Land Monitoring Requirements

POINT 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

Pollutant	Unit of measure	Frequency	Sampling Method
Oil and Grease	Visible	Special Frequency 1	Visual inspection
pH	pH	Special Frequency 1	Probe
Turbidity	nephelometric turbidity units	Special Frequency 1	Probe

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	milligrams per litre	Daily during any Grab sample discharge	Grab sample
Ammonia	milligrams per litre	Daily during any Grab sample discharge	Grab sample
Chromium (VI) Compounds	milligrams per litre	Daily during any discharge	Grab sample
Copper	milligrams per litre	Daily during any discharge	Grab sample
Electrical conductivity	microsiemens per centimetre	Daily during any discharge	Grab sample
Nitrogen (total)	milligrams per litre	Daily during any discharge	Grab sample discharge
Oil and Grease	Visible	Daily during any discharge	Visual Inspection
pH	pH	Daily during any discharge	Probe
Phosphorus (total)	milligrams per litre	Daily during any discharge	Grab sample
TSS	milligrams per litre	Daily during any discharge	Grab sample
Zinc	milligrams per litre	Daily during any discharge	Grab sample

POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	milligrams per litre	Monthly during discharge	Grab sample
Ammonia	milligrams per litre	Monthly during discharge	Grab sample
Chromium (VI) Compounds	milligrams per litre	Monthly during discharge	Grab sample
Copper	milligrams per litre	Monthly during discharge	Grab sample
Electrical conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
Nitrogen (total)	milligrams per litre	Monthly during discharge	Grab sample
Oil and Grease	Visible	Monthly during discharge	Visual Inspection
pH	pH	Monthly during discharge	Probe
Phosphorus (total)	milligrams per litre	Monthly during discharge	Grab sample
TSS	milligrams per litre	Monthly during discharge	Grab sample
Zinc	milligrams per litre	Monthly during discharge	Grab sample

Section 3.3.2
Appendix C

M2.3

For the purposes of Condition M2.2 and the Table thereto, 'Special Frequency 1' means:

a) less than 24 hours prior to a controlled discharge and daily for any continued controlled discharge, when it is safe to do so; and

b) when rainfall causes a discharge from a sediment basin which has not been emptied within the design management period following cessation of a rainfall event, when it is safe to do so.

Section 3.3.2

E2.1	The licensee must undertake surface water monitoring of receiving waterways at locations upstream, downstream and adjacent to discharge points 2 and 4 identified in Condition P1.1 at fortnightly intervals and at least once during each discharge event. This monitoring must be undertaken for a minimum of 3 months: a) from the date that point 2 was added to the licence; and b) from the date that discharge from point 4 commences. Surface water monitoring results must include: a) quality and quantity of all parameters that are identified in the table in M2.2 for discharge points 2 and 4; and b) results must be submitted to the EPA no more than 2 weeks after each monitoring event has occurred for a minimum of 3 months: i. from the date that point 2 was added to the licence; and ii. from the date that discharge from point 4 commences.	Section 3.3.1
E3.1	Water Treatment Plant (WTP) Performance Reporting A) The licensee must undertake water quality sampling of all discharges from the WTP (as identified as Point 2 and 4 under condition P1.1) and submit to the EPA a WTP Performance Report within 10 business days of each sample result being taken. Sampling must be undertaken: i) daily during discharge ii) as per condition M2.2, following this sampling frequency or as directed by the EPA.	Not Triggered
Additional Monitoring Conditions		
M4.5	The licensee must undertake monitoring, sampling, video recording and/or take photographs: a) if the EPA or licensee reasonably suspects that an event has occurred at the premises or in connection with the carrying out of the activities that has caused, is causing, is likely to cause or has the potential to cause material harm to the environment (whether the harm occurs on or off premises to which the license applies); b) as soon as practicable; and c) as directed by an authorised officer.	Not triggered

3 Monitoring

This section presents summaries of the monitoring completed in the reporting period from 1 June 2026 to 30 June 2026.

Detailed monitoring results for each program are presented in the Appendices.

3.1 Weather Monitoring

Meteorological observations were captured using the Bureau of Meteorology Weather Stations - Badgerys Creek (Station 067108) and Penrith Lakes (Station 067113). Meteorological data for the month of June can be found within Appendix A.

Penrith Lakes Station reported 5.4 mm total rainfall for the reporting period, with two days exceeding 1mm, no days exceeding 10mm, and no days exceeding 20mm of rain.

During the reporting period, six days recorded wind gusts greater than 25km/hr, one day where the maximum wind gust recorded was greater than 50 km/h, and no days where the maximum wind gust recorded was greater than 60 km/hr.

Badgerys Creek Station reported 27.8 mm total rainfall for the reporting period, with six days exceeding 1mm, one day exceeding 10mm, and no days exceeding 20mm of rain.

During the reporting period, 13 days recorded wind gusts greater than 25km/hr, two days where the maximum wind gust recorded was greater than 50 km/h, and one day where the maximum wind gust recorded was greater than 60 km/hr.

Detailed weather observation records for the reporting period are presented in Appendix A.

This information is used daily on site to assess daily activities and consider mitigation measures as required.

TABLE 3 WEATHER SUMMARY AND TRIGGER WEATHER EVENTS FOR REPORTING PERIOD

Weather Event (Penrith Lakes Station)	Observation	Weather Event (Badgerys Creek Station)	Observation
Minimum temperature (°C)	3.5	Minimum temperature (°C)	2.2
Maximum temperature (°C)	24.2	Maximum temperature (°C)	23.7
Total rainfall (mm)	5.4	Total rainfall (mm)	27.8
Number of days with rain (>1mm)	2	Number of days with rain (>1mm)	6
Number of days with rain (>10mm)	0	Number of days with rain (>10mm)	1
Number of days with rain (>20mm)	0	Number of days with rain (>20mm)	0
Number of days with >25km/h wind gust	6	Number of days with >25km/h wind gust	13
Number of days with >50km/h wind gust	1	Number of days with >50km/h wind gust	2

Number of days with >60km/h wind gust	0	Number of days with >60km/h wind gust	1
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3.2 Noise and Vibration Monitoring

Noise monitoring is required under Conditions L5.9, L5.10, L5.11, L5.12, L5.13, L5.14 and E1.5 to validate noise predications for work undertaken outside of standard construction hours in accordance with the construction noise and vibration assessment and monitoring plan. All noise monitoring performed under EPL (21807) will be included in Appendix B.

TABLE 4 SUMMARY OF NOISE MONITORING FOR REPORTING PERIOD

Date	Monitoring Location	Attended / Continuous	Description
N/A	N/A	N/A	N/A

3.3 Water Monitoring

3.3.1 Surface water monitoring

As per Condition E2.1 fortnightly sampling is required for at least 3 months from the date Point 2 was added to the licence (30 November 2023). This period ended on 30 February 2024, and additional background monitoring was obtained through May and April. This monitoring is now complete. These water monitoring results will be presented in Appendix C accordingly.

3.3.2 Discharge to water

The discharge of water from sediment basins occurred at the following discharge points during the reporting period:

- SSTOM-012
- SSTOM-013
- SSTOM-014
- SSTOM-017

The EPL discharge criteria apply to sediments basins identified in condition L2.4 of the approved EPL 21807. Basins and discharge points are summarised in Table 5.

TABLE 5 MONITORING/DISCHARGE POINTS AND AREAS

ID	Construction Status	EPA ID	Easting	Northing	Description of location of discharge point	Catchment name	Name of nearest waters	Direct discharge to waters	Date added to EPL
SSTOM-001	Not Active	1	290807.84	6243844.20	The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek	South Creek	Thompsons Creek	Yes	14/11/2023
SSTOM-002	Not Active	2	294041.62	6261905.98	The outlet of the water treatment plant on the St Marys site at former Plaza	South Creek	South Creek	No	15/12/2023
SSTOM-003	Not active	3	291819.86	6258565.85	The outlet of the sediment basin on the Orchard Hills site discharging to an Unnamed Creek (tributary of South Creek)	South Creek	Blaxland Creek	No	14/02/2024
SSTOM-004	Not active	4	291447.72	6243909.96	The outlet of the water treatment plant on the Bradfield site discharging to Thompson Creek	South Creek	Thompsons Creek	No	15/05/2024
SSTOM-005	Not active	5	292112.47	6257621.18	The outlet of the sediment basin at the Stabling and Maintenance Facility site discharging to Blaxland Creek	South Creek	Blaxland Creek	No	28/08/2024
SSTOM-006	Not active	6	291092.66	6252180.95	The outlet of the sediment basin discharging to Cosgrove Creek	South Creek	Cosgrove Creek	No	04/09/2024
SSTOM-007	Not active	7	292065.7	6259303.9	The outlet of the sediment basin discharging to South Creek	South Creek	South Creek	No	15/11/2024
SSTOM-008	Not active	8	291981.6	6249912.7	The outlet of the sediment basin discharging to Badgerys Creek	Badgerys Creek	Badgerys Creek	No	4/12/2024
SSTOM-009	Not active	9	291981.6	6249912.7	The outlet of the sediment basin discharging to Claremont Creek	South Creek	Claremont Creek	No	16/01/2025
SSTOM-010	Not active	10	292018.2	6261255.3	The outlet of the sediment basin discharging to Claremont Creek	South Creek	Claremont Creek	No	16/01/2025

SSTOM-011	Not active	11	291965.4	6258444.4	The outlet of the sediment basin discharging to Badgerys Creek	South Creek	Badgerys Creek	No	16/01/2025
SSTOM-012	Active	12	291985.4	6257951.5	The outlet of the sediment basin discharging to Blaxland Creek	South Creek	Blaxland Creek	Yes	16/01/2025
SSTOM-013	Active	13	291528.1	6255484.1	The outlet of the sediment basin located south of Patons Lane to Unnamed Creek	South Creek	Unnamed Creek	No	23/01/2025
SSTOM-014	Active	14	289482.8	6245852.0	The outlet of the sediment basin at the Bringelly site discharging to Badgerys Creek.	South Creek	Badgerys Creek	Yes	23/01/2025
SSTOM-015	Not active	15	290913.5	6253487.3	The outlet of the sediment basin near Luddenham Station discharging to an unnamed tributary of South Creek	South Creek	South Creek	No	25/03/2025
SSTOM-016	Not Active	16	291749.9	6257486.0	The outlet of the sediment basin near Linewide (South Lansdown Road) Station discharging to Blaxland Creek	South Creek	Blaxland Creek	No	4/06/2025
SSTOM-017	Active	17	290808.06	6243841.41	The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek referred to in Condition P1.2	South Creek	Thompson Creek	Yes	14/10/2025

Appendices

Appendix A Weather Observations – Penrith Lakes

TABLE 6 - MONTHLY WEATHER OBSERVATION TABLE (PENRITH LAKES)

Penrith, New South Wales June 2026 Daily Weather Observations



Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am						3pm					
		Min	Max				Dirn	Spd	Time	Temp	RH	Cld	Dirn	Spd	MSLP	Temp	RH	Cld	Dirn	Spd	MSLP
		°C	°C					km/h	local	°C	%	eighths		km/h	hPa	°C	%	eighths		km/h	hPa
1	Mo	4.3	18.6				N	17	13:52	10.7	78		NW	4		17.8	46		ENE	9	
2	Tu	8.2	19.1				N	44	14:16	13.9	62		N	13		17.0	65		NE	19	
3	We	11.4	21.3				WNW	69	12:44	19.0	50		WNW	17		19.5	39		W	17	
4	Th	11.0	19.5				NW	44	11:03	16.4	54		NW	13		17.6	54		NW	13	
5	Fr	8.7	19.2				SW	39	11:00	15.5	60			Calm		17.6	44		SSW	15	
6	Sa	4.8	19.5				SSE	15	14:05	11.0	80		NNW	4		18.7	43		S	6	
7	Su	4.0	20.4				ENE	20	14:52	9.3	98			Calm		19.3	54		NE	15	
8	Mo	6.3	20.1				NE	19	14:25	9.4	98			Calm		19.6	62		NE	11	
9	Tu	8.1	20.9				NE	20	16:22	11.0	98			Calm		19.8	63		ENE	11	
10	We	9.2	24.2				N	17	16:12	12.8	98			Calm		21.6	63		NNW	6	
11	Th	12.4	23.1				ESE	19	16:03	14.9	97		SW	4		21.3	69		NNE	9	
12	Fr	14.7	22.1				SSW	17	13:03	16.5	84		SSE	2		19.7	70		SSE	2	
13	Sa	12.7	21.3				W	9	23:17	13.6	97		NNW	4		20.8	74		WSW	4	
14	Su	13.3	20.9				S	22	23:59	14.4	95			Calm		18.2	85		NW	4	
15	Mo	14.0	18.4				SSW	20	00:01	15.8	77		SW	6		17.9	66		W	4	
16	Tu	9.6	22.6				NNE	13	15:02	10.7	98		NNW	4		21.9	58		N	7	
17	We	10.2	17.9	0			NW	9	14:09	13.4	97		NNE	4		17.4	80		N	6	
18	Th	8.9	20.2	0			NNE	22	14:56	11.1	98			Calm		19.7	66		NNE	17	
19	Fr	11.0	23.1	0.2			NNW	44	13:46	18.6	62		NNW	19		21.5	51		NNW	11	
20	Sa	9.3	21.4	0			NW	33	12:48	14.7	69		NNE	11		20.4	44		WNW	13	
21	Su	5.6	20.1	0			SSE	17	14:10	10.1	86			Calm		16.8	54		SSE	9	
22	Mo	7.5	18.6	0			SSE	13	17:14	10.4	92			Calm		15.8	61		WNW	4	
23	Tu	4.6	17.7	0			SW	20	14:01	9.7	88		N	6		16.1	48		S	7	
24	We	3.5	19.1	0			SW	20	12:35	7.8	98			Calm		18.7	47		SW	9	
25	Th	7.8	15.4	0			SW	24	08:50	14.6	69		SSW	9		13.7	95		SSW	4	
26	Fr	11.3	17.2	3.6			SW	17	04:27	13.3	87		S	4		15.1	75		SE	9	
27	Sa	9.7	18.6	0.2			SSW	17	10:07	13.3	83		S	6		15.3	75		S	6	
28	Su	11.2	17.2	0.4			SE	24	14:41	13.5	90		SSW	7		13.9	86		SSE	9	
29	Mo	10.4	19.1	1.0			NNE	19	13:37	12.5	98			Calm		16.6	75		NE	9	
30	Tu	9.6	15.3	0			NNE	13	22:54	11.4	98		ENE	4		14.9	88			Calm	
Statistics for June 2026																					
Mean		9.1	19.7							13.0	84			4		18.1	63			8	
Lowest		3.5	15.3							7.8	50			Calm		13.7	39			Calm	
Highest		14.7	24.2	3.6			WNW	69		19.0	98		NNW	19		21.9	95		NE	19	
Total				5.4																	

Observations were drawn from Penrith Lakes AWS (station 067113)

IDCJDW2111.202606 Prepared at 13:00 UTC on 14 Jul 2026
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Weather Observations – Badgerys Creek

TABLE 7 - MONTHLY WEATHER OBSERVATION TABLE (BADGERYS CREEK)

Badgerys Creek, New South Wales June 2026 Daily Weather Observations



Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am						3pm					
		Min	Max				Dirn	Spd	Time	Temp	RH	Cld	Dirn	Spd	MSLP	Temp	RH	Cld	Dirn	Spd	MSLP
		°C	°C					km/h	local	°C	%	eighths		km/h	hPa	°C	%	eighths		km/h	hPa
1	Mo	3.8	18.0	0			NNW	24	12:26	11.5	68		N	6	1015.6	16.8	47		NNE	13	1011.6
2	Tu	7.2	18.8	0			N	44	14:27	13.1	65		N	20	1006.3	15.6	67		N	24	999.7
3	We	10.5	21.2	0			WNW	65	13:01	18.3	48		NW	17	1002.8	19.0	36		WNW	41	1001.3
4	Th	9.2	19.3	0			WNW	35	00:44	13.5	68		NNE	4	1002.7	17.9	47		NW	22	1000.6
5	Fr	6.8	19.2	0			WSW	50	10:52	14.0	59		SW	4	1010.9	16.6	48		WSW	19	1014.4
6	Sa	3.0	19.5	0			SW	20	12:11	10.8	75		WSW	2	1025.5	18.8	44		WSW	7	1024.6
7	Su	2.9	20.0	0			NE	19	15:05	8.9	93		W	2	1031.6	19.2	52		NE	9	1029.3
8	Mo	4.1	20.2	0			NNE	26	14:43	4.9	99			Calm	1033.2	19.3	56		NE	17	1031.1
9	Tu	6.4	20.8	0			NNE	20	15:19	12.7	100		NNE	2	1031.9	20.0	56		NE	15	1027.7
10	We	8.0	23.7	0			NNE	19	13:38	12.2	100			Calm	1029.0	22.4	56		NNE	9	1025.5
11	Th	11.8	22.4	2.4			ESE	20	16:13	14.6	100			Calm	1031.9	20.2	60		SE	13	1029.9
12	Fr	13.5	22.6	0			SSW	17	09:42	18.0	73		SSW	11	1034.3	19.3	71			Calm	1030.6
13	Sa	11.3	21.2	0			NNE	17	13:46	13.7	100			Calm	1030.0	20.4	75			Calm	1025.7
14	Su	11.8	21.9	0.4			SSE	30	15:57	14.1	99			Calm	1028.2	19.9	68		N	6	1027.4
15	Mo	13.0	18.7	1.0			SSW	15	00:58	14.8	83		WSW	9	1034.6	16.8	69			Calm	1031.9
16	Tu	6.3	21.2	0			NNE	24	12:11	14.7	81		S	4	1031.7	20.8	60		NNE	7	1027.8
17	We	9.0	18.9	0			WNW	11	15:23	12.0	100		WSW	4	1028.3	18.1	77		WNW	2	1024.7
18	Th	6.9	20.2	0			NNE	26	18:37	8.5	100			Calm	1021.4	19.4	64		NNE	15	1017.0
19	Fr	10.5	21.1	0			WNW	41	17:34	15.6	70		N	11	1012.0	20.0	49		NW	26	1010.6
20	Sa	7.0	20.8	0.2			WNW	28	13:39	13.2	71		WSW	2	1020.9	18.7	50		WSW	11	1020.4
21	Su	4.3	18.4	0			WSW	31	11:33	10.4	94			Calm	1028.3	17.6	48		SW	15	1026.3
22	Mo	4.8	19.6	0			W	28	13:33	11.9	75		W	6	1027.6	18.2	43		SSE	13	1024.1
23	Tu	3.6	17.9	0			WSW	22	10:37	9.9	85		SSW	7	1028.1	15.8	46		S	4	1025.8
24	We	2.2	18.7	0.2			SSW	28	11:43	9.9	79		SW	7	1030.4	17.3	49		S	9	1029.4
25	Th	8.0	15.0	0			SSW	22	10:03	12.1	81		SW	13	1034.9	14.2	95			Calm	1033.3
26	Fr	10.5	16.5	7.0			SSW	19	22:16	13.5	81		SW	9	1034.1	13.9	86		ENE	7	1030.2
27	Sa	9.4	16.0	1.0			SW	17	07:41	12.5	83		SW	9	1031.1	14.1	90			Calm	1028.7
28	Su	9.9	16.7	4.6			NNE	28	14:19	13.9	98		SSW	7	1032.0	13.0	99		WNW	6	1030.2
29	Mo	8.9	17.6	10.8			NNE	19	14:58	12.2	100		W	4	1030.8	16.3	77		NNE	15	1026.8
30	Tu	7.8	15.0	0.2			N	17	22:52	8.8	100			Calm	1023.0	13.9	94		NNW	2	1018.8
Statistics for June 2026																					
Mean		7.7	19.4							12.5	84			5	1025.4	17.8	62			10	1022.8
Lowest		2.2	15.0							4.9	48			Calm	1002.7	13.0	36			Calm	999.7
Highest		13.5	23.7	10.8			WNW	65		18.3	100		N	20	1034.9	22.4	99		WNW	41	1033.3
Total				27.8																	

Observations were drawn from Badgerys Creek AWS (station 067108)

IDCJDW2005.202606 Prepared at 13:00 UTC on 14 Jul 2026
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Appendix B Noise Monitoring

No attended noise monitoring was conducted for this month’s monitoring report. Any noise monitoring conducted as part of Parklife Metro’s EPL licence will be presented accordingly.

Appendix C Discharge to water

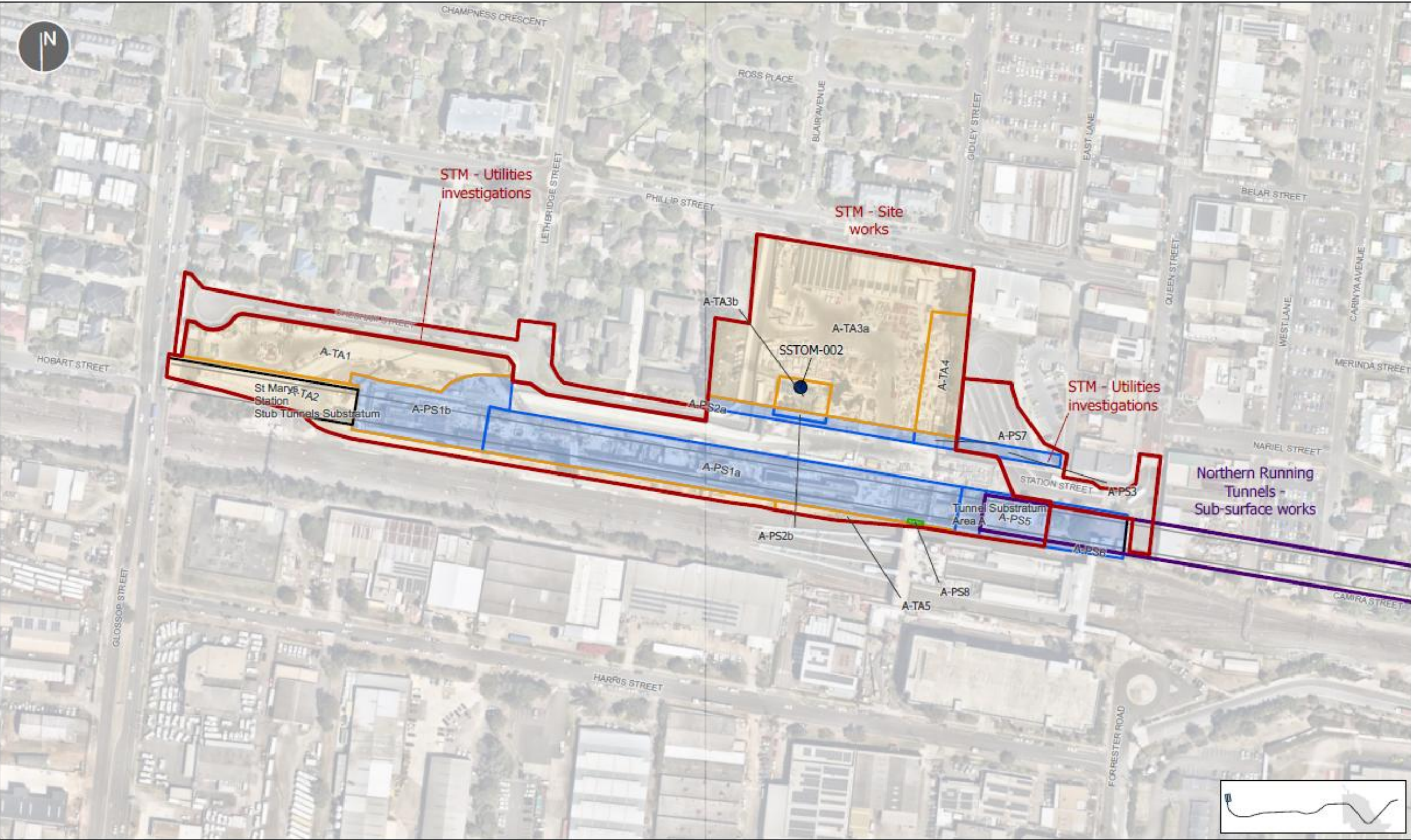
TABLE 8 WATER DISCHARGE TABLE

Discharge Monitoring Point ID	Type of Monitoring Point	Type of Discharge Point	Date	Discharge Permit No.	Oil and Grease (Visual Inspection)	pH (6.5-8.5)	Turbidity (50 NTU)
SSTOM-14	Sediment Basin	Discharge into stabilised spillway	01/06/2026	139	None	6.63	22.8
SSTOM-17	Sediment Basin	Discharge into stabilised spillway	01/06/2026	140	None	6.95	17.6
SSTOM-12	Sediment Basin	Discharge into stabilised spillway	01/06/2026	142	None	8.39	6.5
SSTOM-17	Sediment Basin	Discharge into stabilised spillway	03/06/2026	141	None	8.01	26.7
SSTOM-13	Sediment Basin	Discharge into stabilised spillway	15/06/2026	143	None	8.19	40.4
SSTOM-17	Sediment Basin	Discharge into stabilised spillway	15/06/2026	144	None	8.1	29.2

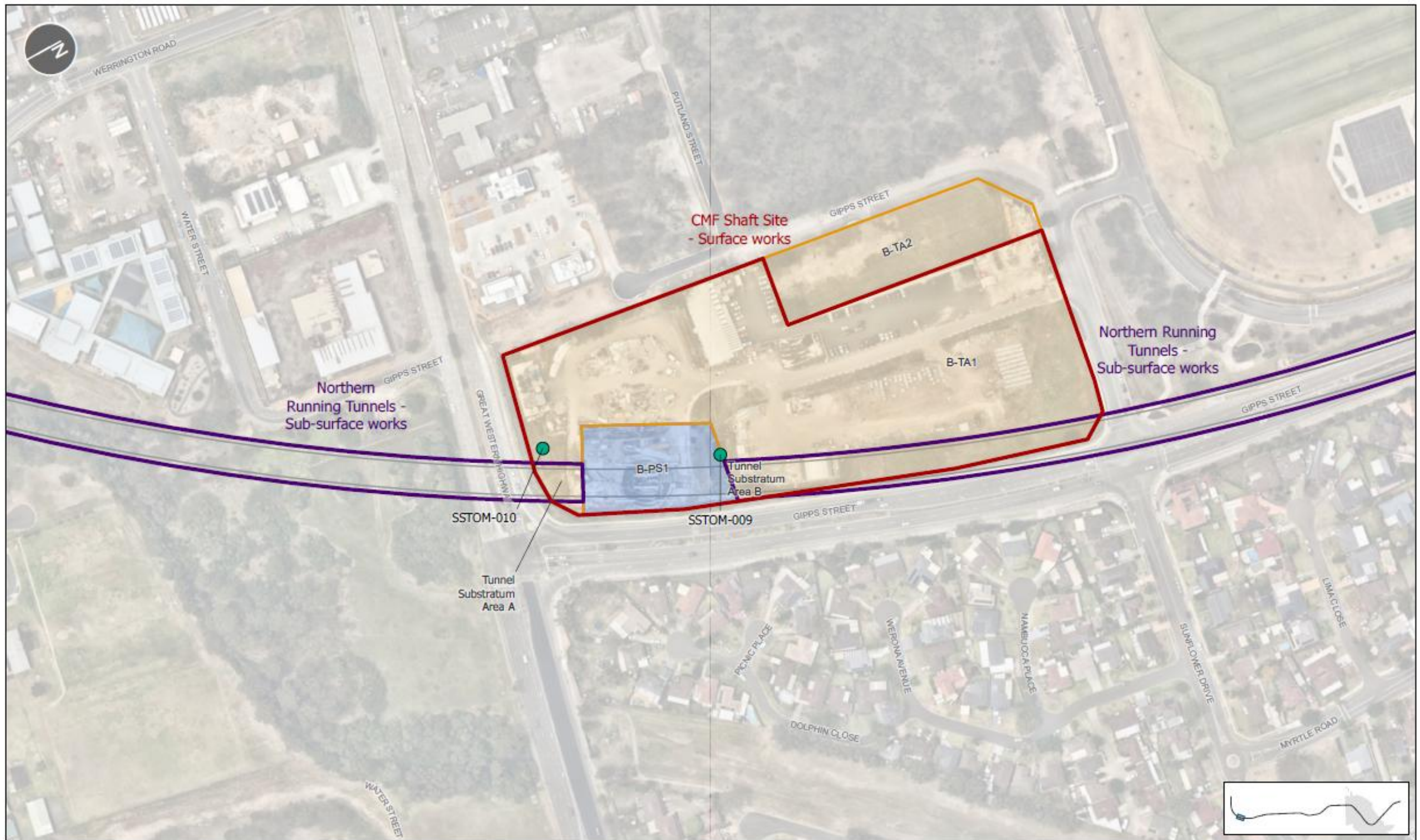
Appendix D Surface water monitoring

No surface water monitoring was conducted for this month's monitoring report. Any surface water monitoring conducted as part of Parklife Metro's EPL licence will be presented accordingly.

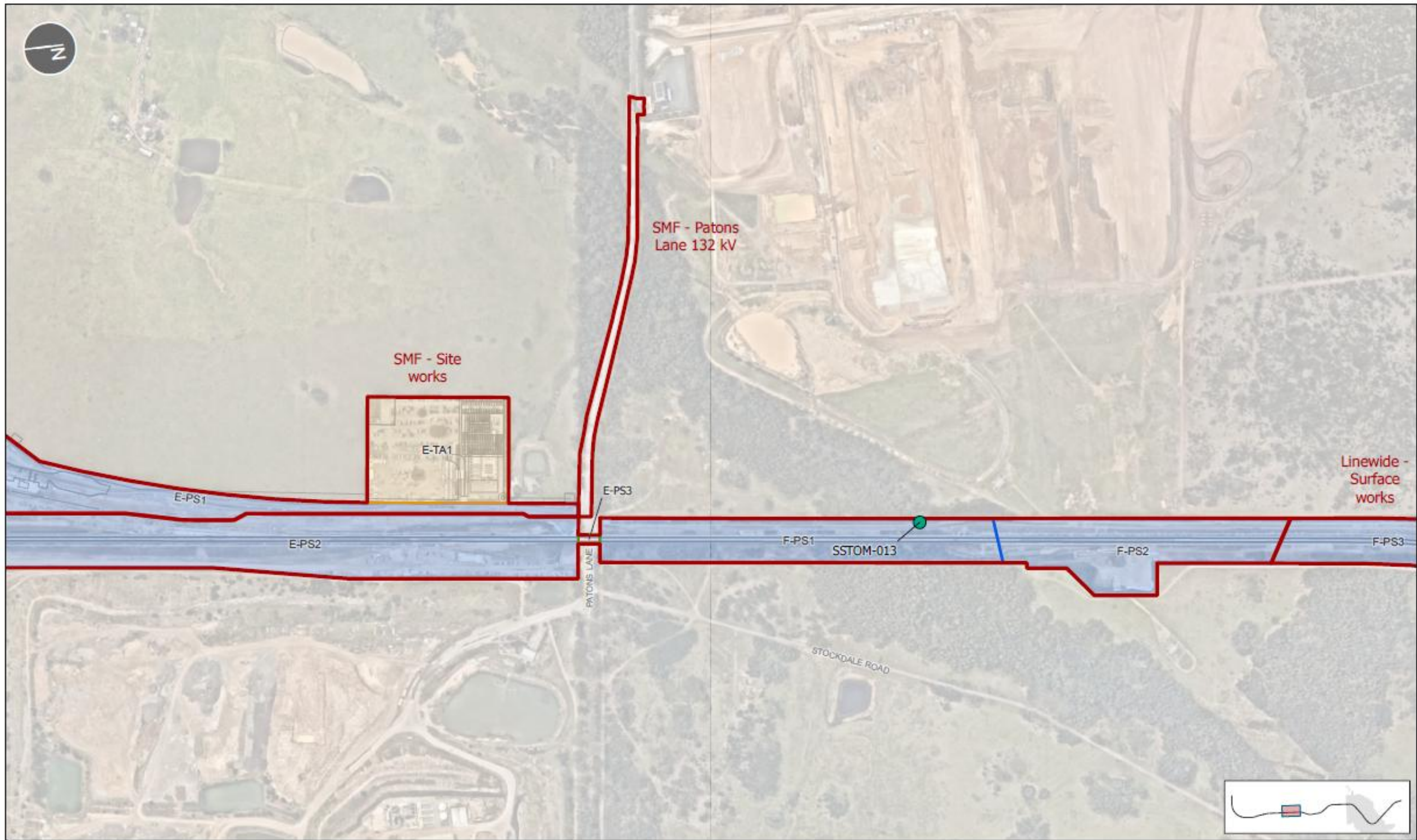
Appendix E Premise Maps – June



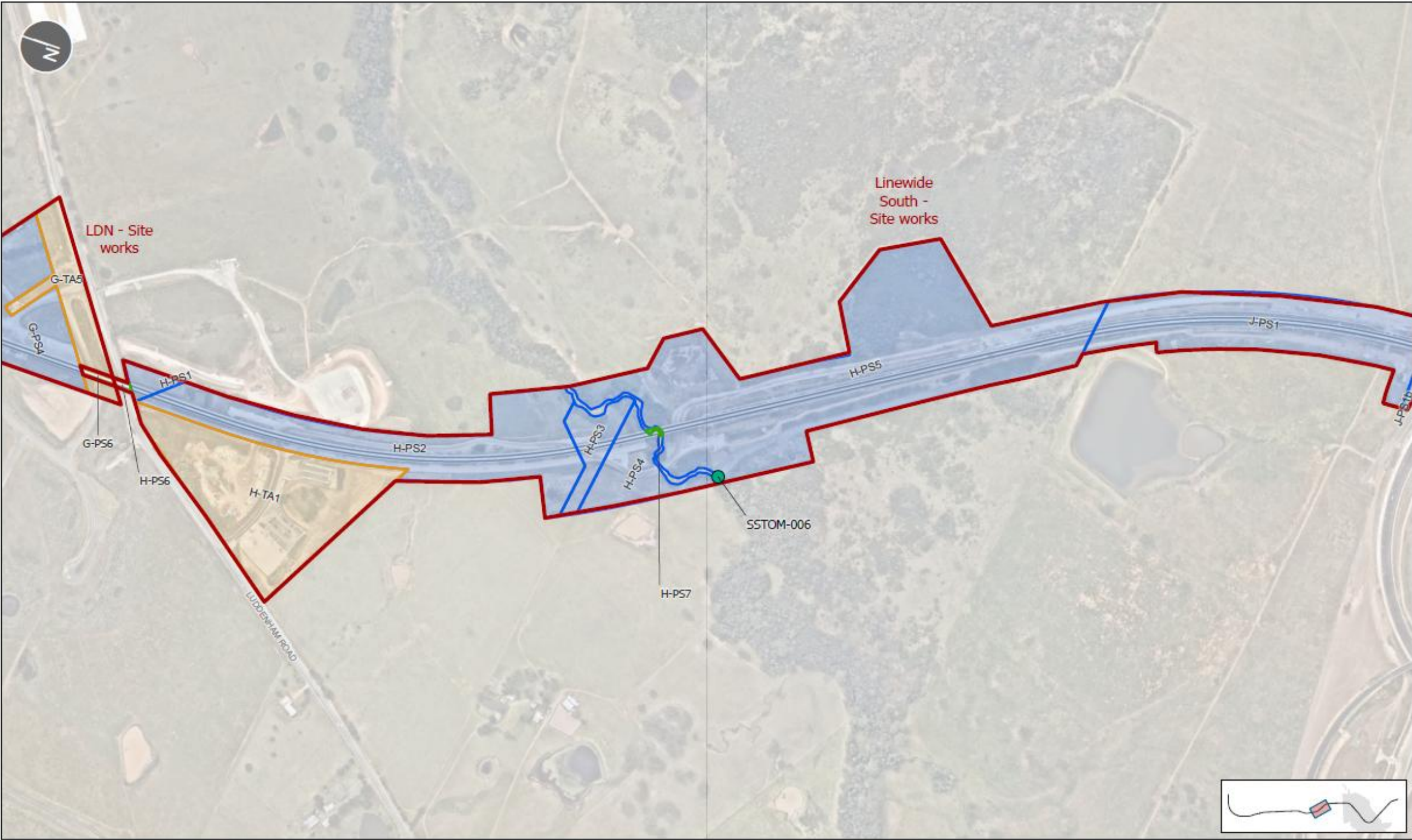
Discharge Points		EPL Premise Boundary	Metro alignment	Site Access Schedule		NOTES	REV	DATE	DESCRIPTION
 Water Treatment Plant	 Surface works	 Sub-surface works	 Watercourse	 Aerial Stratum		EPL Premise Boundary Map	05	04/11/2025	Premise Map update
	 Western Sydney International boundary (WSP)		 Project Site	 Substratum			06	17/11/2025	Premise Map update
							07	05/12/2025	Premise Map update
							08	10/01/2026	Premise Map update
							09	20/01/2026	Premise Map update
							10	03/03/2026	Premise Map update
TITLE		PROJECT			CLIENT				
EPL 21807 PREMISE BOUNDARY		Sydney Metro – Western Sydney Airport - SSTOM			Sydney Metro				
		SCALE		A3	DRAWN BY	APPROVED	MAP#	REV	
		1:2,000		DD	JB	JB	SMW/SA/SSM-PLD-1NL-ENV-GIS-000001_50		50
SHEET		COORDINATE SYSTEM		REVIEW	DATE				
1 of 12		GOA2020 MGA Zone 55		JB	03/03/2026				
GIS MAP file: SSTOM_ENV_EPL C:\Live_Proj\sydney_metro_gis\current\maps\Environment\SSTOM_ENV_EPL.aprx									



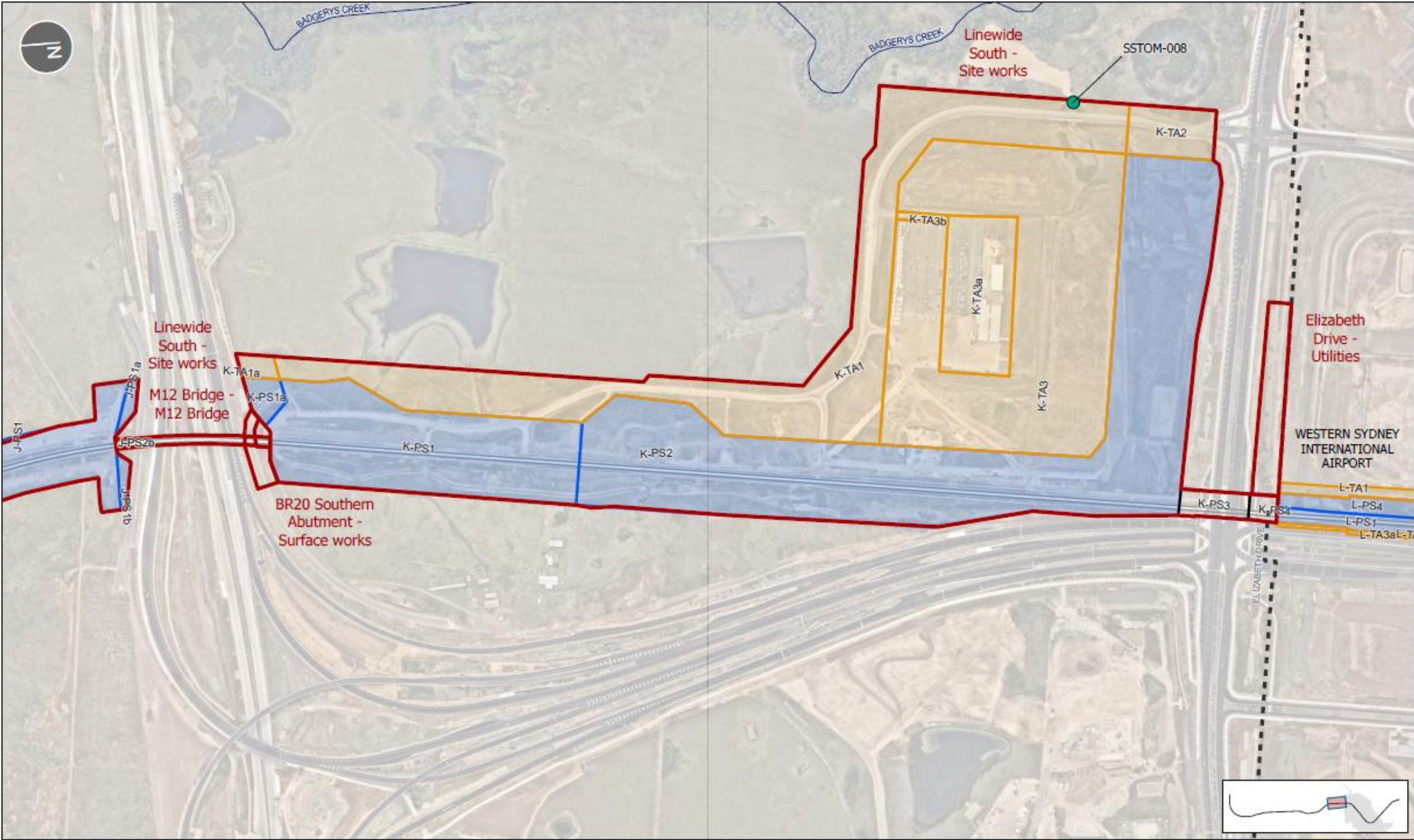
LAYOUT Discharge Points Temporary Sediment Basin				EPL Premise Boundary Surface works Sub-surface works		Metro alignment Watercourse Western Sydney International boundary (WSP)		Site Access Schedule Project Site Substratum Temporary Area		Parklife Metro D&C		NOTES EPL Premise Boundary Map: 46 04.11.2020 Premise Map update 46 17.11.2020 Premise Map update 47 05.12.2020 Premise Map update 48 18.01.2021 Premise Map update 48 23.01.2021 Premise Map update 50 03.03.2026 Premise Map update		TITLE EPL 21807 PREMISE BOUNDARY		PROJECT Sydney Metro – Western Sydney Airport - SSTOM		CUSTOM Sydney Metro	
0 40 80m				SCALE 1:2,000		APPROVED A3		APPROVED BY DD		APPROVED JB		MAP'S 3MW8A3SM-PLD-1NL-ENV-GIG-000001_50							
Sheet 3 of 12				COORDINATE SYSTEM GDA2020 MGA Zone 56		REVIEW JB		DATE 03/03/2026		REV 50									
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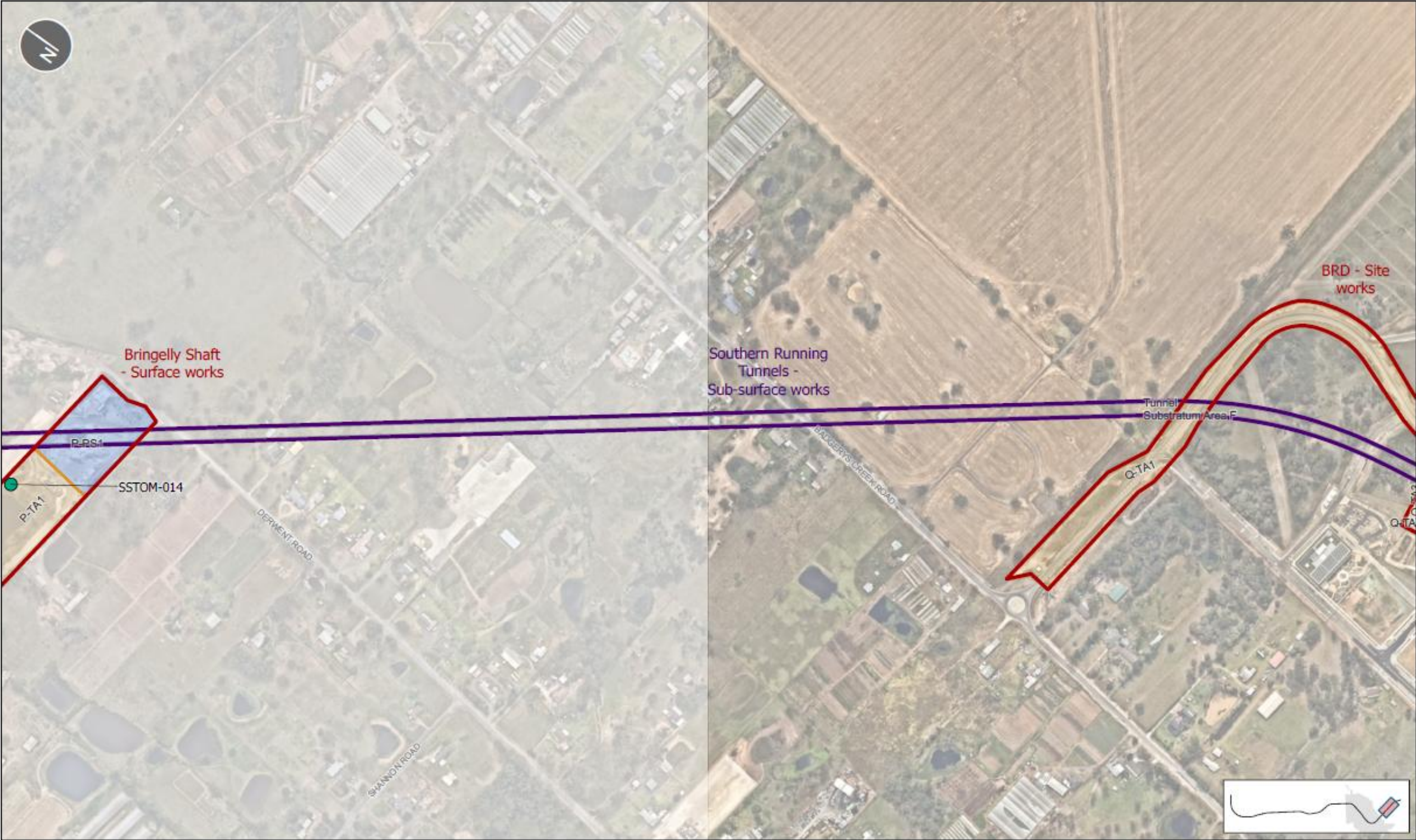
LEGEND Discharge Points Temporary Sediment Basin		EPL Premise Boundary Surface works Sub-surface works		Metro alignment Watercourse Western Sydney International boundary (WSP)		Site Access Schedule Aerial Stratum Project Site Temporary Area	
Parklife Metro D&C		NOTES EPL Premise Boundary Map		REV DATE DESCRIPTION 45 04/11/2020 Premise Map update 46 17/11/2020 Premise Map update 47 05/12/2020 Premise Map update 48 16/01/2021 Premise Map update 49 25/01/2021 Premise Map update 50 03/03/2021 Premise Map update			
TITLE EPL 21807 PREMISE BOUNDARY		PROJECT Sydney Metro – Western Sydney Airport - SSTOM		CLIENT Sydney Metro			
SCALE 1:5,000		APPROVED A3 DD JB		MAP# SMWSASGM-PLD-1NL-ENV-GIS-000001_50			
SHEET 6 of 12		COORDINATE SYSTEM GDA2020 MGA Zone 56		DATE 03/03/2021			



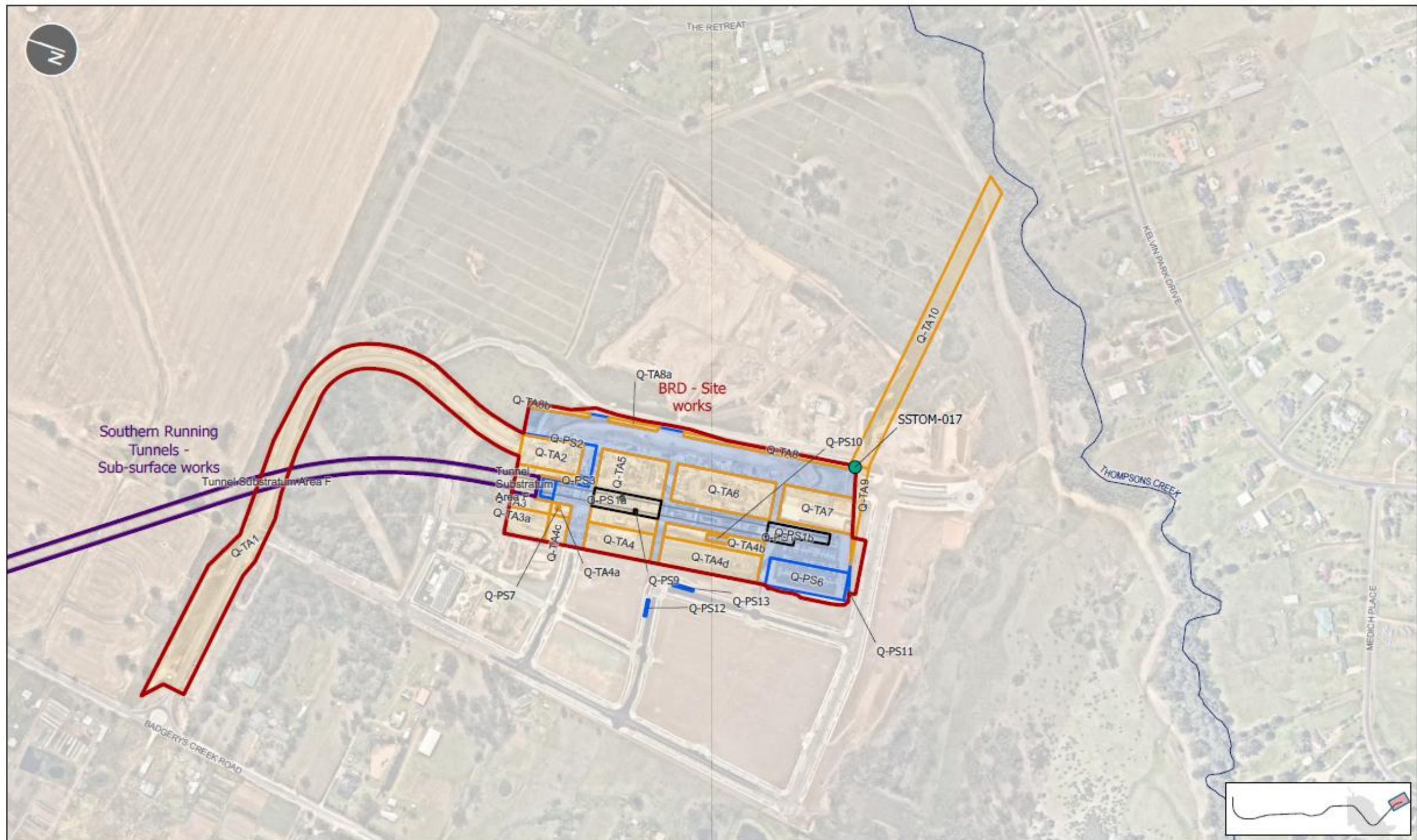
Discharge Points		EPL Premise Boundary		Metro alignment		Site Access Schedule				NOTES		REV		DESCRIPTION					
● Temporary Sediment Basin		■ Surface works		— Watercourse		■ Aerial Stratum				EPL Premise Boundary Map		45		04/11/2025		Premise Map update			
■ Sub-surface works		■ Western Sydney International boundary (WSP)		■ Project Site		■ Temporary Area						47		17/11/2025		Premise Map update			
												47		05/12/2025		Premise Map update			
														47		10/01/2026		Premise Map update	
														48		20/01/2026		Premise Map update	
												50		03/03/2026		Premise Map update			
										TITLE		PROJECT		CLIENT					
										EPL 21807 PREMISE BOUNDARY		Sydney Metro – Western Sydney Airport - SSTOM		Sydney Metro					
										SCALE		A3		DRAWN BY		REV			
										1:5,000				JB		SMW3AGSM-PLD-1NL-			
										SHEET		GOA2020 MGA Zone 56		DATE		ENV-GIS-000001_50			
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LEGEND				NOTES		REV		DESCRIPTION
Discharge Points	EPL Premise Boundary	Metro alignment	Site Access Schedule			45	04.11.2025	Premise Map update
Temporary Sediment Basin	Surface works	Watercourse	Project Site			46	17.11.2025	Premise Map update
	Sub-surface works	Western Sydney International boundary (WSP)	Substratum	EPL 21807 PREMISE BOUNDARY		47	05.12.2025	Premise Map update
			Temporary Area			48	10.01.2026	Premise Map update
				PROJECT Sydney Metro - Western Sydney Airport - SSTOM		49	26.01.2026	Premise Map update
				SCALE 1:5,000		50	10.03.2026	Premise Map update
				SHEET 11 of 12		CLIENT Sydney Metro		
				GDA2020 MGA Zone 56		DRAWN BY A3		MAP # SMW/SASOM-PLD-1NL-ENV-G10-000001_50
						APPROVED JB		REV 50
						DATE 03/03/2026		



LEGEND Discharge Points Temporary Sediment Basin Water Treatment Plant	EPL Premise Boundary Surface works Sub-surface works	Metro alignment Watercourse Western Sydney International boundary (WSP)	Site Access Schedule Project Site Substratum Temporary Area	 EPL 21807 PREMISE BOUNDARY 12 of 12		NOTES EPL Premise Boundary Map PROJECT Sydney Metro - Western Sydney Airport - SSTOM SCALE 1:5,000 COORDINATE SYSTEM GDA2020 MGA Zone 56		REV DATE DESCRIPTION 45 04.11.2020 Premise Map update 46 17.11.2020 Premise Map update 47 05.12.2020 Premise Map update 48 10.01.2021 Premise Map update 49 20.01.2021 Premise Map update 50 03.03.2026 Premise Map update CLIENT Sydney Metro APPROVED JB DATE 03/03/2026 MAP # SMWSA33M-PLD-1NL-ENV-GIS-000001_50 REV 50	
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