

Details of the Water Monitoring Strategy for the Underground Water Impact Report 2021

(OGIA/21/CD20/V1.1)

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Office of Groundwater Impact Assessment

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1.0	3 November 2021	Sanjeev Pandey
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Overall guidance and direction: Steven Flook

Prepared by: Steven Flook, Ben Cairns

Contributors: Steven Flook, Ben Cairns, Dean Erasmus, Alex Felci*

Review: Lynne Ford, Joanna Smallacombe (data), Sanjeev Pandey (report)

Acknowledgement: Ben Ross and Jeremy Wolff (mapping); Hugh Marshall (document editing)

*Currently not with OGIA

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1. Introduction

A key statutory component of the Underground Water Impact Report (UWIR) for the Surat Cumulative Management Area is the Water Monitoring Strategy (WMS). This document provides additional detail on the WMS and should be read **in conjunction with Chapter 9 of the UWIR 2021**.

The WMS includes the specification of a groundwater monitoring network, tenure holder obligations for implementation and biannual submission of groundwater monitoring data to OGIA. Consistent with the UWIR, the purposes of the WMS are to:

- identify existing groundwater impacts from petroleum and gas (P&G) which includes seam gas (CSG) and conventional oil and gas, and coal mining development
- improve knowledge about the groundwater flow system, which enhances OGIA's ability to predict impacts
- support the evaluation of UWIR impact management strategies.

Individual tenure holders are responsible for specific monitoring obligations, which are assigned in accordance with the rules outlined in Chapter 13 of the UWIR 2021.

This companion document is structured based on three monitoring streams included in the following:

- groundwater level network (UWIR section 9.5)
- groundwater chemistry network (UWIR section 9.6)
- groundwater quantity network – associated water extraction and production well water chemistry network (UWIR section 9.7).

2. Status of monitoring points

Each monitoring point is assigned a WMS status as defined in Table 2-1.

Table 2-1: Definitions for the WMS status categories

WMS status		Definition
Existing	Operational (OPR)	Constructed, operational and collecting data.
	Integrate (INT)	Constructed, operational and collecting data but not previously been included in the WMS. These monitoring points – predominately coal mining monitoring points – meet the objectives and have been integrated into the WMS.
Repair/Replace	Replace (RPL)	Constructed but the installation is unlikely to be repaired and a replacement point in the proximity is therefore required instead.
	Repair (RPR)	Constructed but requiring instrumentation repair to continue to operate.
Proposed	Reschedule (RSC)	Proposed in a previous UWIR but are yet to be installed.
	New (NEW)	New monitoring point, not previously required.
Removed (RMV)		Removed from the WMS since the UWIR 2019.

3. Groundwater level monitoring points

3.1. Details of the WMS monitoring points

The details of specific groundwater level monitoring points in the network – including the WMS status and required completion date – is provided in Appendix 1.1, Table A1-2.

3.2. Summary by formation and tenure holder type

Table 3-1 provides a summary of groundwater level monitoring points included in the UWIR 2021.

Table 3-1: Groundwater level monitoring network by formation and tenure holder type

Formation	Coal		CSG			Total	Removed
	Existing	Proposed	Existing	Proposed	Repair-Replace		
Spoil	1	-	-	-	-	1	-
Main Range Volcanics	5	-	1	-	-	6	1
Alluvium	14	3	4	4	-	25	-
Condamine Alluvium	-	-	17	4	1	22	2
Condamine–Walloon transition	-	-	6	-	-	6	-
Mooga Sandstone	-	-	1	-	1	2	1
Orallo Formation	-	-	1	-	-	1	-
Gubberamunda Sandstone	-	-	31	3	1	35	-
Westbourne Formation	-	-	8	-	1	9	-
Upper Springbok Sandstone	-	-	21	-	2	23	-
Lower Springbok Sandstone	6	-	24	16	4	50	1
Springbok Sandstone	-	-	16	-	1	17	-
Birkhead Formation	-	-	2	-	-	2	-
Upper Juandah CM	27	1	55	9	12	104	-
Juandah CM	-	-	3	-	-	3	1
Lower Juandah CM	2	-	57	8	15	82	3
Upper Taroom CM	-	-	2	-	-	2	-
Lower Taroom CM	-	-	1	-	-	1	-
Tangalooma Sandstone	-	-	6	-	-	6	1
Taroom CM	24	-	59	8	13	104	1
Walloon CM	-	-	1	8	1	10	2
Durabilla Formation	1	-	5	-	-	6	1
Upper Hutton Sandstone	7	2	17	17	5	48	4
Lower Hutton Sandstone	6	-	5	2	-	13	-

Formation	Coal		CSG			Total	Removed
	Existing	Proposed	Existing	Proposed	Repair-Replace		
Hutton Sandstone	-	-	30	2	5	37	-
Evergreen Formation	-	-	1	-	1	2	-
Boxvale Sandstone Member	-	-	1	2	-	3	-
Precipice Sandstone	2	-	48	10	9	69	-
Clematis Sandstone	-	-	3	1	2	6	-
Bandanna Formation	-	-	16	6	4	26	-
Cattle Creek Formation	-	-	2	1	-	3	-
Total	95	6	444	101	78	724	18

3.3. Distribution of monitoring points

The spatial distribution of groundwater level and chemistry monitoring points for key formations are shown below (Figure 3-1 to Figure 3-5). The groundwater chemistry monitoring network is discussed in Chapter 4.

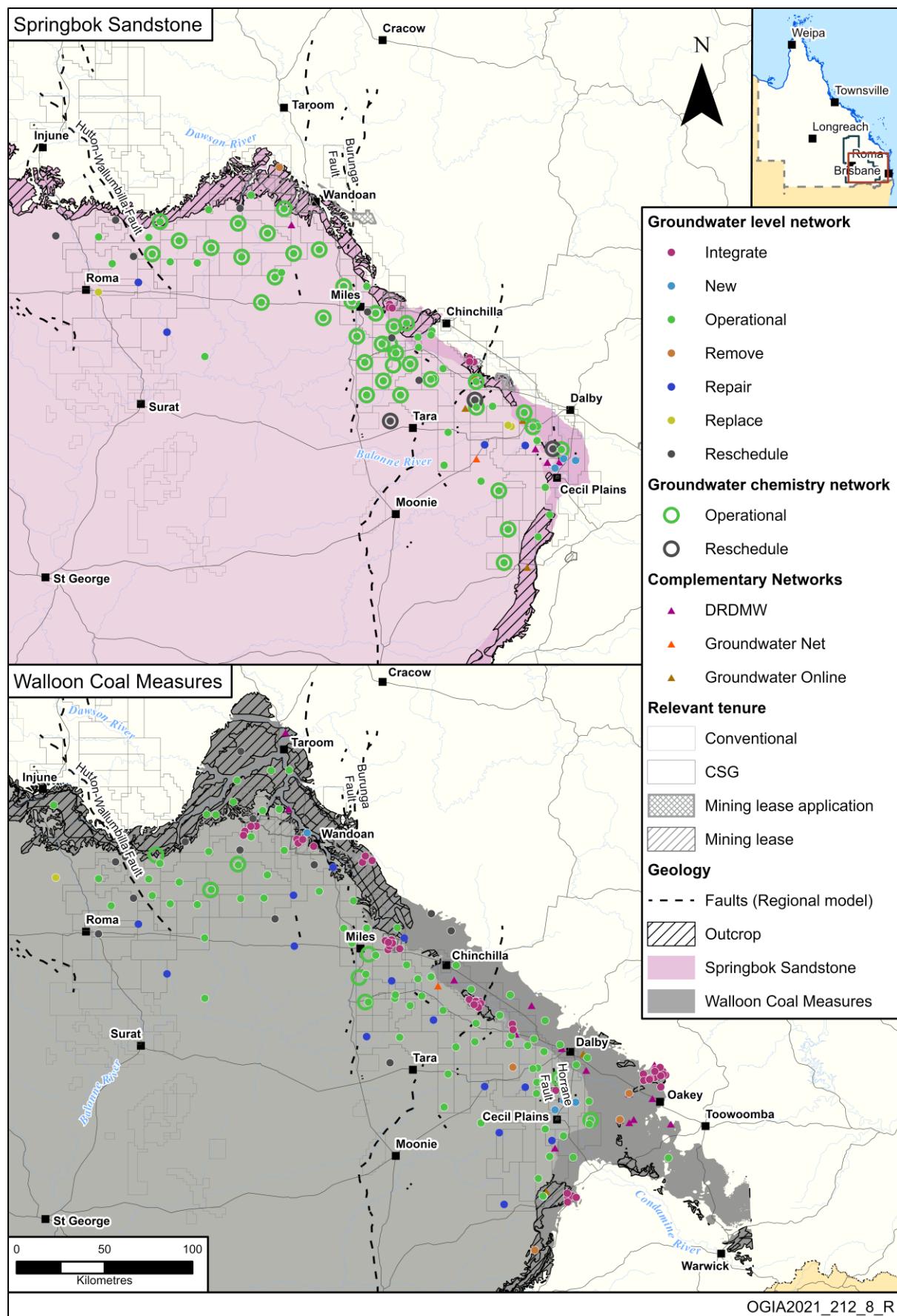


Figure 3-1: Groundwater monitoring in the Walloon Coal Measures and Springbok Sandstone

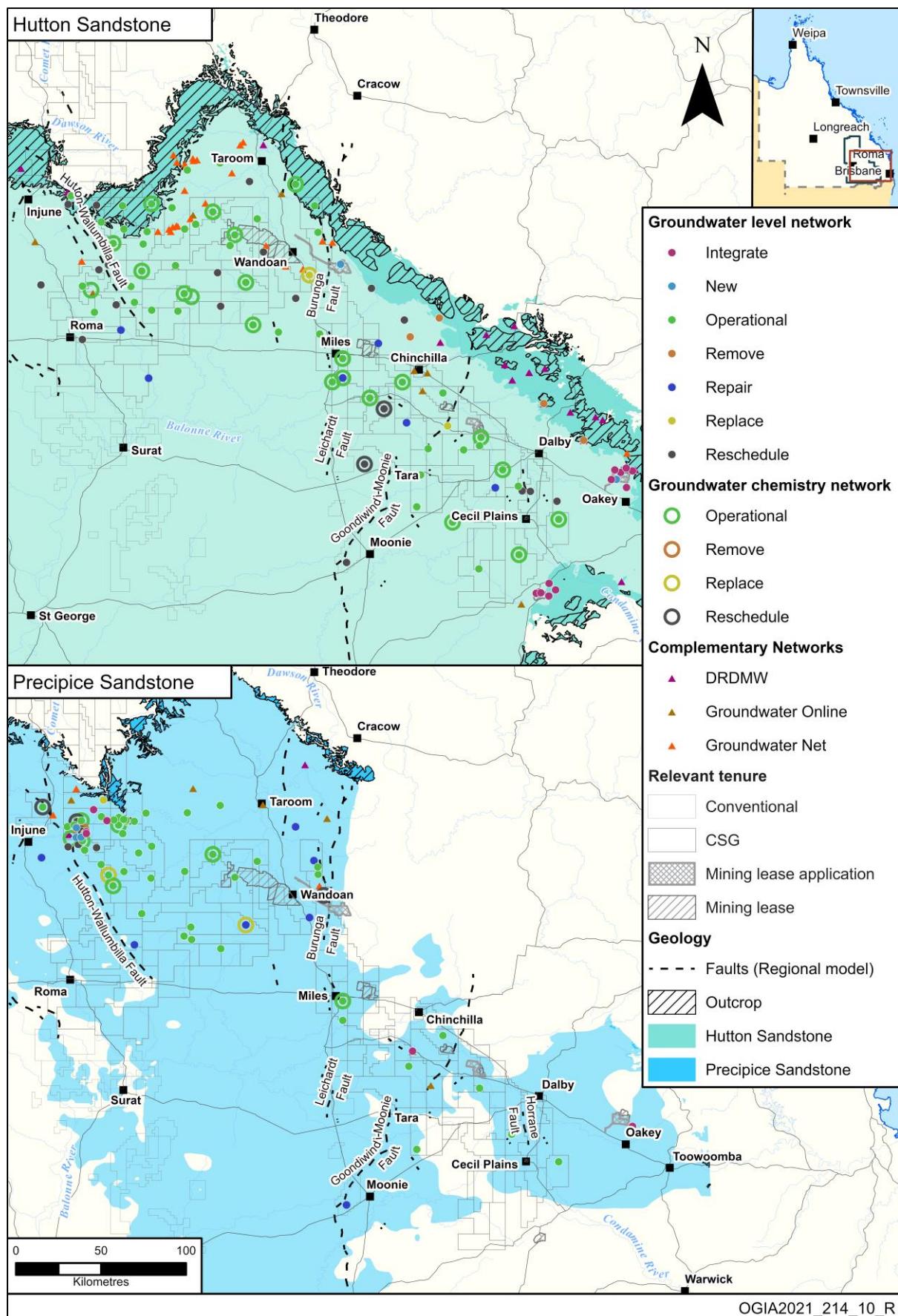
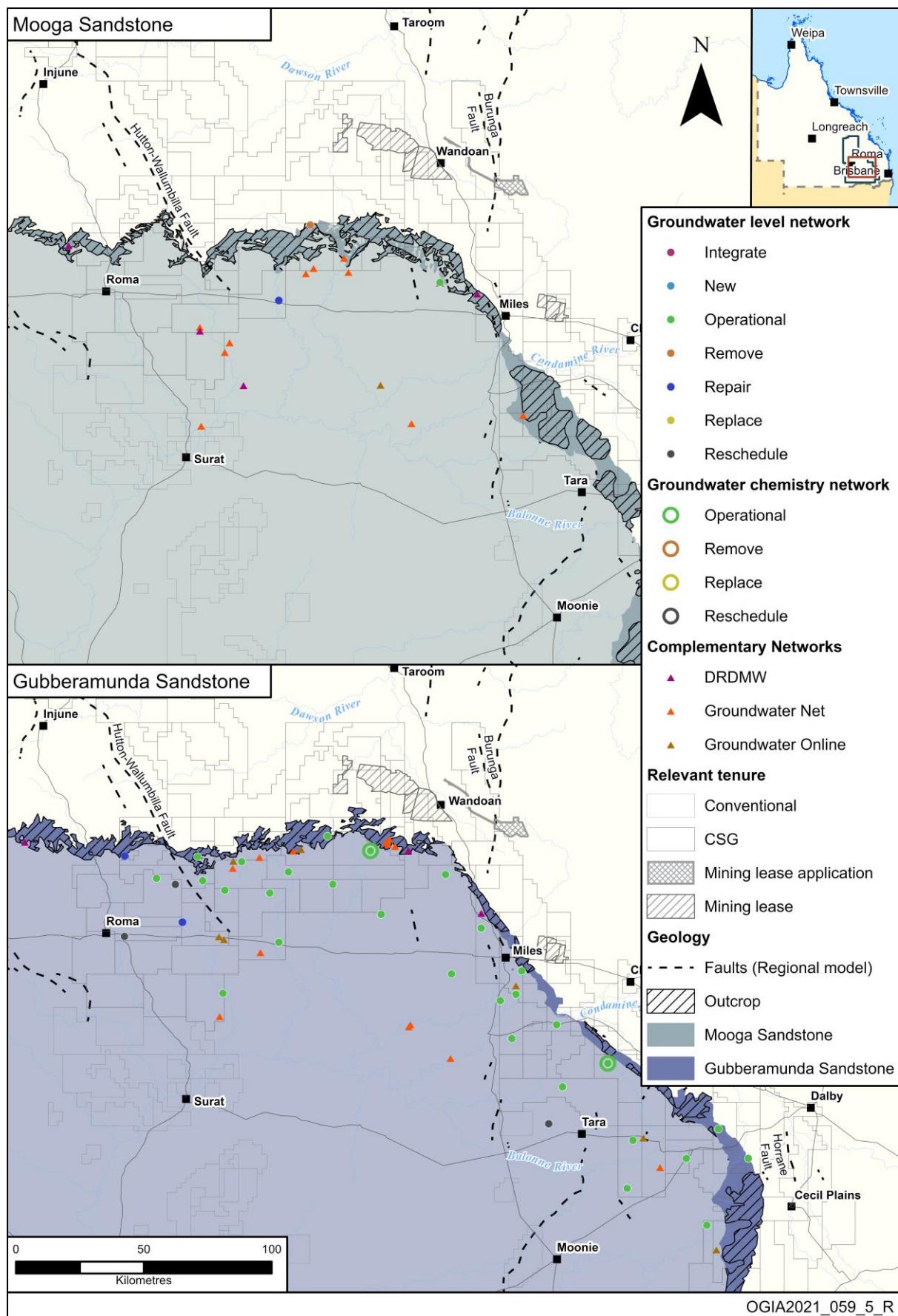


Figure 3-2: Groundwater monitoring in the Hutton Sandstone and Precipice Sandstone

**Figure 3-3: Groundwater monitoring in the Mooga Sandstone and Gubberamunda Sandstone**

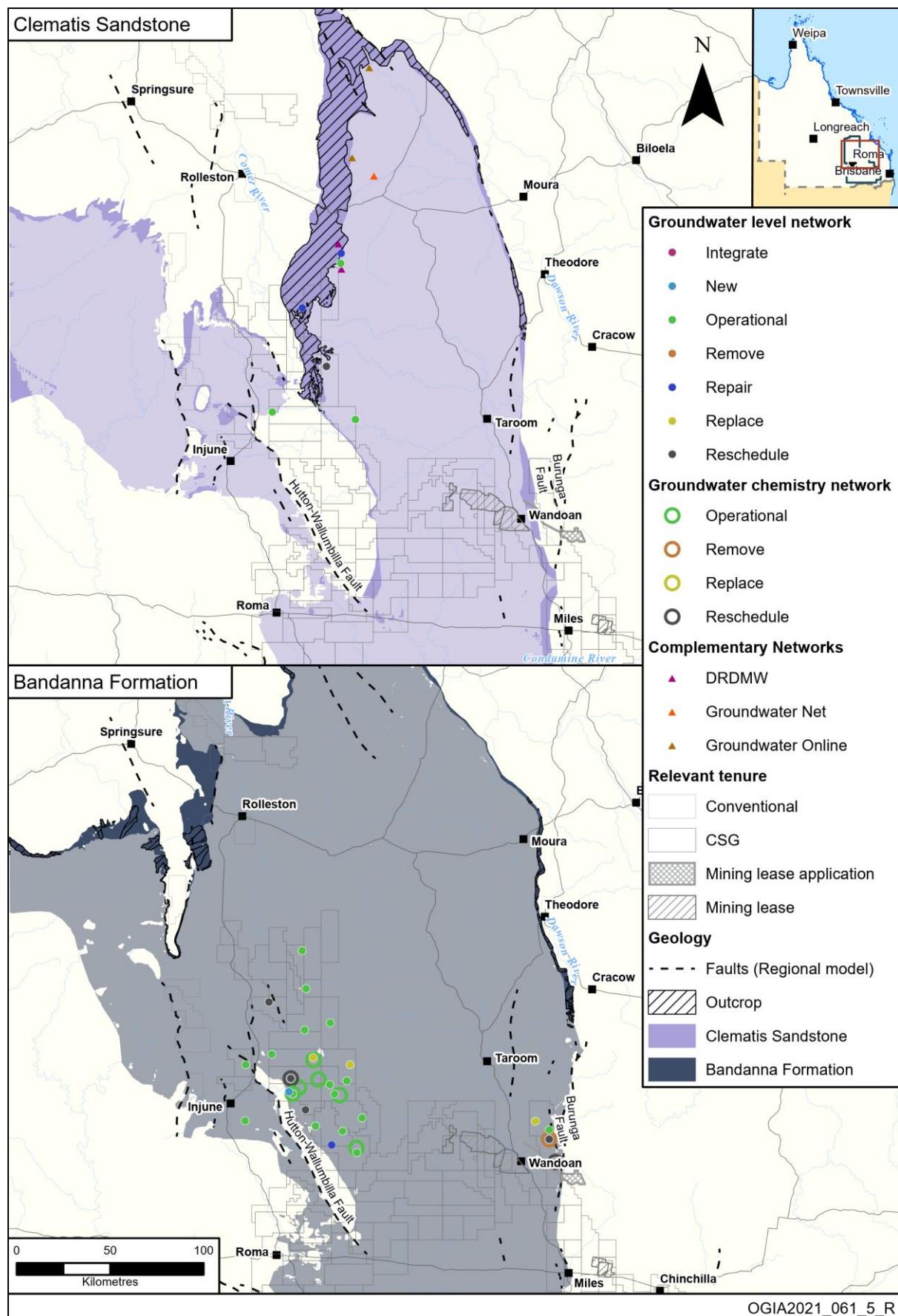


Figure 3-4: Groundwater monitoring in the Clematis Sandstone and Bandanna Formation

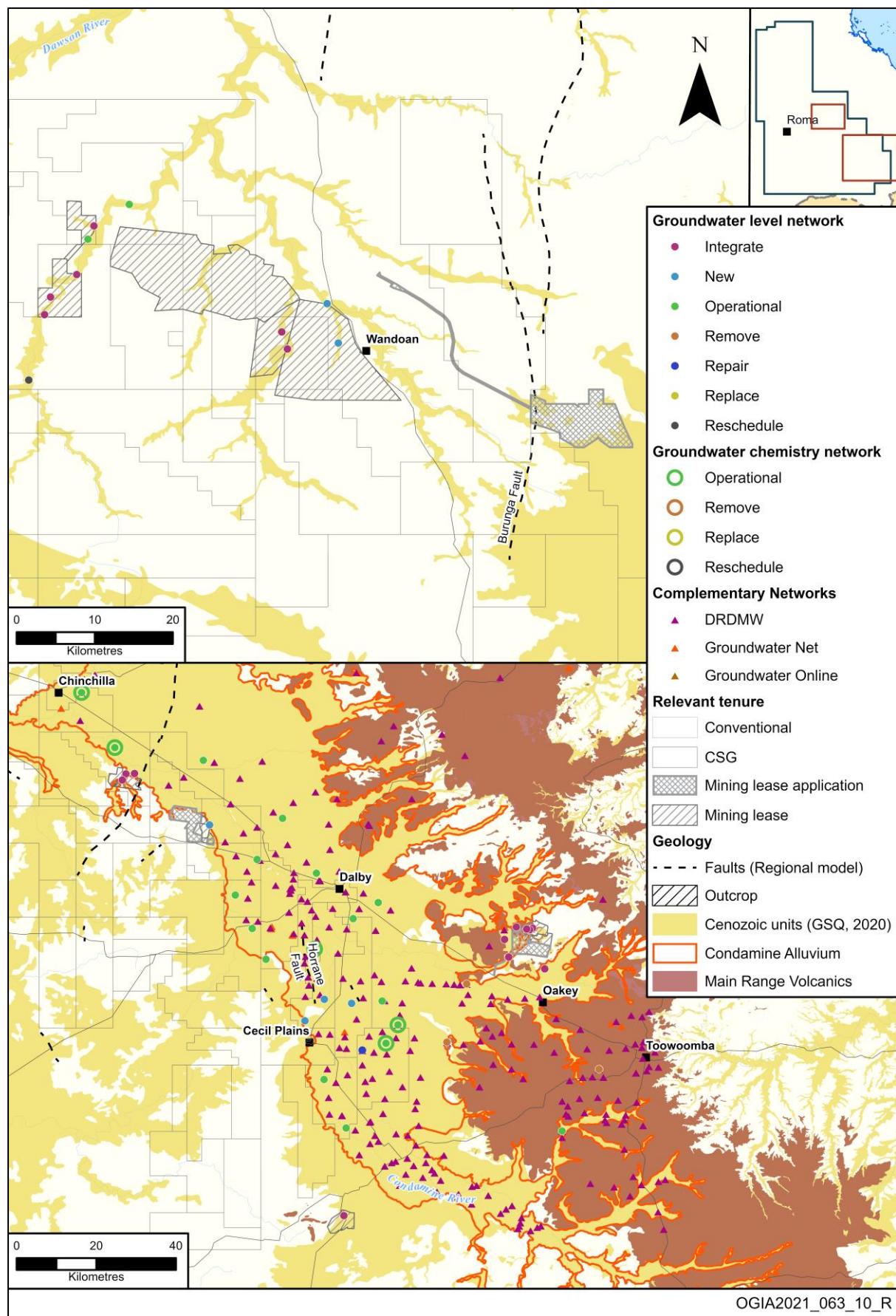


Figure 3-5: Groundwater monitoring in the alluvium and Main Range Volcanics

4. Groundwater chemistry monitoring points

4.1. Details of WMS monitoring points

The detailed groundwater chemistry monitoring network – including the WMS status and required completion date – is provided in Appendix 1.2, Table A1-3.

4.2. Summary by formation and WMS status

A summary of groundwater chemistry monitoring points included in the UWIR 2021 is provided in Table 4-1.

Table 4-1: Groundwater chemistry monitoring network by formation and WMS status

Formation	CSG			Total	Removed
	Existing	Proposed	Replace		
Condamine Alluvium	5	-	-	5	-
Gubberamunda Sandstone	2	-	-	2	-
Westbourne Formation	1	-	-	1	-
Upper Springbok Sandstone	18	-	-	18	-
Lower Springbok Sandstone	11	3	-	14	-
Springbok Sandstone	8	-	-	8	-
Upper Juandah Coal Measures	2	-	-	2	-
Juandah Coal Measures	1	-	-	1	-
Lower Juandah Coal Measures	2	-	-	2	-
Walloon Coal Measures	3	-	-	3	-
Upper Hutton Sandstone	2	2	-	4	-
Lower Hutton Sandstone	2	-	1	3	-
Hutton Sandstone	17	-	-	17	-
Precipice Sandstone	7	3	2	12	1
Bandanna Formation	6	2	-	8	1
Total	87	10	3	100	2

4.3. Distribution of monitoring points

The spatial distribution of groundwater level and chemistry monitoring points are provided in Figure 3-1 to Figure 3-5 (section 3.3).

4.4. Water chemistry suite

Section 9.6 of the UWIR 2021 specifies groundwater chemistry monitoring at dedicated monitoring points and production wells. Table 4-2 provides the list of water chemistry parameters required for monitoring.

Table 4-2: Water chemistry suite

Suite	Type	Parameters to be measured as part of the suite	Frequency	
			UWIR MP	CSG bore
Suite A	Field parameters	Electrical Conductivity ($\mu\text{S}/\text{cm}$ @ 25°C), pH, Redox Potential (Eh), Temperature (°C), Free gas at wellhead (CH_4)	Every 6 months until 5 samples obtained	Every 12 months
		Major cations and anions: Calcium (Ca^{2+}), Magnesium (Mg^{2+}), Potassium (K^+), Sodium (Na^+), Bicarbonate(HCO_3^-), Carbonate (CO_3^{2-}), Chloride (Cl^-), Sulphate (SO_4^{2-}), Total Alkalinity		
	Laboratory analytes	Metals (dissolved): Arsenic (As), Barium (Ba), Boron (B), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Manganese (Mn), Mercury (Hg), Nickel (Ni), Selenium (Se), Strontium (Sr^{2+}), Zinc (Zn)		
		Fluoride (F $^-$), Total Dissolved Solids		
		Gas (dissolved): Methane (CH_4)		
Suite B	Laboratory analytes	Isotopes: Strontium (87Sr/86Sr) Metals (dissolved): Strontium (Sr^{2+})	Once only in: SBK, HUT, PCP	

5. Production well groundwater chemistry

5.1. Details of monitoring points

The detailed production well groundwater chemistry monitoring network – including the WMS status and required completion date – is provided in Appendix 1.3, Table A1-4. The water chemistry parameters required for production well groundwater chemistry (CSG bore) is presented in Table 4-2.

5.2. Summary by formation and WMS status

A summary of production well groundwater chemistry monitoring points included in the UWIR 2021 is provided in Table 5-1.

Table 5-1: Production well groundwater chemistry monitoring network by formation and WMS status

Formation	CSG			Total	Removed
	Existing	Proposed	Replace		
Upper Juandah Coal Measures	1	1	-	2	-
Juandah Coal Measures	4	-	-	4	3
Taroom Coal Measures	5	-	-	5	-
Walloon Coal Measures	96	15	-	111	2

Bandanna Formation	29	2	1	32	-
Total	135	18	1	154	5

5.3. Distribution of monitoring points

The distribution of production well groundwater chemistry monitoring points is shown in Figure 5-1.

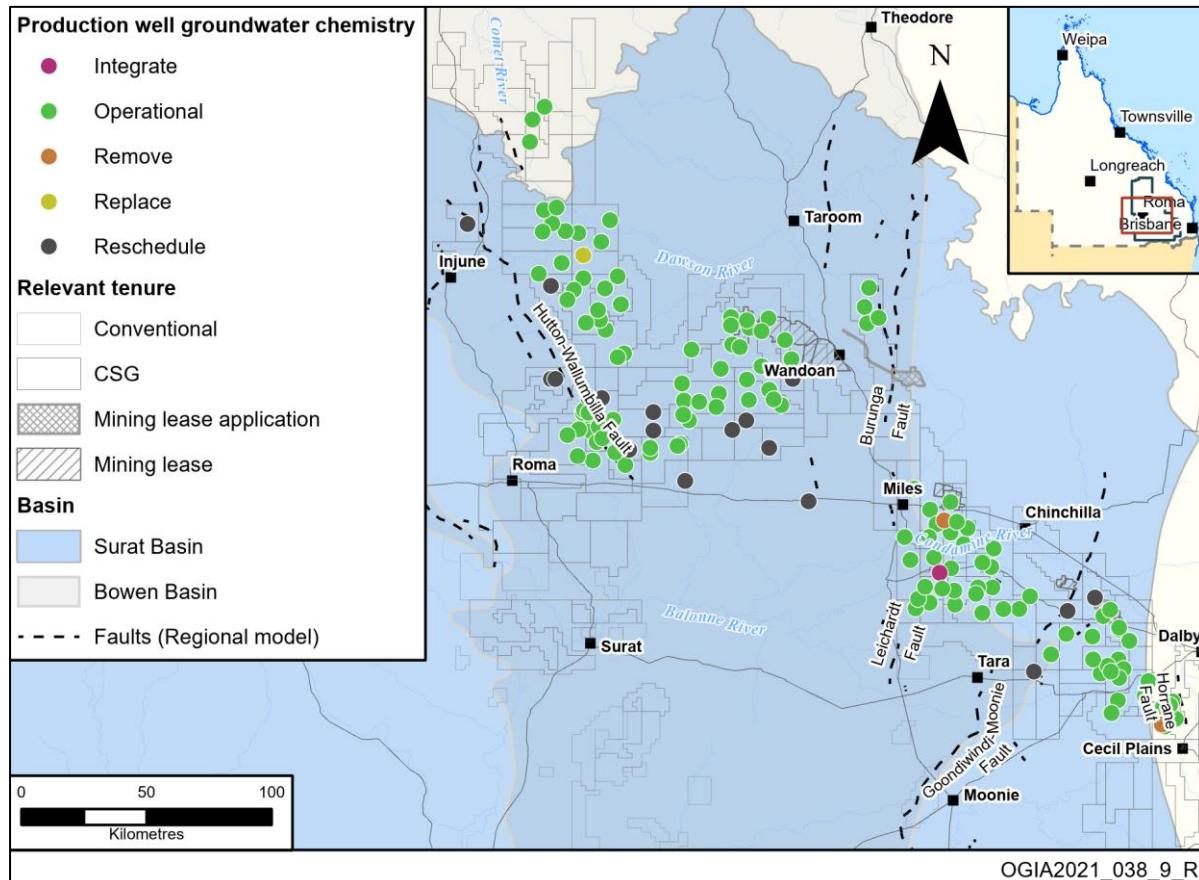


Figure 5-1: Production wells for groundwater chemistry sampling

6. Groundwater quantity monitoring

Responsible tenure holders provide associated water (groundwater) extraction volumes, from CSG and conventional P&G, to OGIA on 1 April and 1 October every year. A description of monitoring requirement for associated water volumes is available in section 9.7 of UWIR 2021.

7. Guidelines for the construction of new monitoring points

Three standards apply to the construction of monitoring bores in Queensland:

- Minimum construction requirements for water bores in Australia (National Uniform Drillers Licensing Committee 2012)

- Minimum standards for the construction and reconditioning of water bores that intersect the sediments of artesian basins in Queensland (Department of Natural Resources Mines and Energy 2017)
- Code of practice for the construction and abandonment of coal seam gas and petroleum wells, and associated bores in Queensland (Department of Natural Resources Mines and Energy 2018).

The following sections provide additional complementary guidance on matters such as borehole access, effective monitoring intervals and instrumentation for new groundwater level and groundwater quality monitoring points. All new monitoring points required under the WMS are to be constructed in a way that is consistent with the above standards and the following guidance.

7.1. Groundwater level monitoring points

7.1.1. Isolation of the target horizon and the effective monitoring interval

Monitoring bore and screen design should effectively isolate a small number of permeable units which are all considered to be part of the same target formation or formation subdivision.

Where multiple permeable units are logged within the same formation, the screened section should target the units in closest proximity to the targeted coal reservoirs, whilst maintaining at least five metres of separation from adjacent formations.

For groundwater level monitoring points in formations other than target coal reservoirs, the effective screened interval should be within the range of 6 to 24 metres, to minimise the potential for inadvertently completing the bore within a low-permeability unit or extending the bore substantially into an adjacent formation.

Screen designs should be finalised on site based on down-hole geophysics and geological logs.

7.1.2. Groundwater level monitoring instrument selection and accuracy

The type and make of instrumentation installed should achieve the following:

- be of proven reliability, easy to obtain, serviceable, long lasting and appropriate for the conditions (including groundwater quality, temperature, installation depth and expected groundwater levels in the bore)
- be able to be calibrated, easily and reliably deployed (including cabling and connections) and replaceable.

7.1.3. Groundwater level data validation

The bore design should allow for the following:

- data validation, either via regular manual validation readings or through the use of temporarily or permanently installed duplicate gauges
- as a minimum, data validation readings undertaken every six months and/or at the end of each download period (whichever period is shorter)
- quality assurance of multi-level facilities including regular comparison of data from different monitoring levels to identify trends, data anomalies and any evidence of cross-formational communication

- where possible/applicable, validation readings to correct for logger ‘drift’ and other artefacts prior to the final data sets being provided to OGIA.

7.1.3.1. Data access

Where a logger is installed, the groundwater level should be logged continuously at a frequency of one reading per hour (i.e. 24 readings per day) to assist with identifying trends and possible reasons for variations.

7.1.4. Monitoring bore completion diagram

All groundwater level monitoring points must have associated monitoring bore completion diagrams. These diagrams must be provided to OGIA prior to the monitoring points being endorsed. As a minimum, each completion diagram should include the following:

- the location, type and dimensions of all seals installed to prevent water movement
- the location, type and dimensions of all screens installed to allow water ingress into the bore
- lithological, geophysical and interpreted stratigraphic logs of the bore
- detail on the installed headworks sufficient to identify/confirm any access constraints
- the location and type of all groundwater level and groundwater quality monitoring instruments or other equipment installed in the bore
- observed post-completion standing groundwater level and any available information on groundwater strikes identified during drilling
- surveyed ground, datum levels and location information
- date of drilling, installation and commission
- confirmation of data logging frequencies, data download methods, purging and sampling methods and whether/how data validation checks are undertaken.

7.2. Groundwater chemistry monitoring points

In addition to the above, the following guidance on water quality monitoring points is provided:

7.2.1. Purgung and sampling

- Collection of the groundwater sample should be able to be undertaken in less than one day.
- Purging and monitoring of field groundwater quality parameters (for stabilisation) should be undertaken to ensure representative groundwater samples from the targeted formation. Groundwater quality sampling should not have a significant effect on the groundwater level and at least 90 per cent recovery should occur within two weeks of sampling.
- Sampling equipment should be dedicated to a single bore, thereby limiting potential cross-contamination. In addition, sampling techniques should limit any contamination/interaction with groundwater that may alter chemical and/or physical properties.
- Sampling techniques should minimise volumes of purge groundwater generated to reduce possible handling and disposal requirements.
- Sampling intakes should be at or near the centre of the screen to promote flow through the borehole screen, rather than sampling from the annulus.

7.3. Production well groundwater chemistry monitoring points

The production well groundwater chemistry network includes wells that are currently in production. As the field matures and less groundwater is produced, or due to operational limitations, there may be a need to substitute the wells originally specified in the monitoring network. Where an existing well is no longer suitable for sampling, an alternative well within 3 km is considered appropriate.

References

- Department of Natural Resources Mines and Energy 2017, *Minimum standards for the construction and reconditioning of water bores that intersect the sediments of artesian basins in Queensland*, WSS/2016/3189, Department of Natural Resources, Mines and Energy.
- Department of Natural Resources Mines and Energy 2018, *Code of Practice for the construction and abandonment of coal seam gas wells and associated bores in Queensland*, accessed November 6, 2018, from <https://www.dnrm.qld.gov.au/__data/assets/pdf_file/0011/119666/code-of-practice-csg-wells-and-bores.pdf>.
- DNRME 2020, *Guideline. Quantifying the volume of associated water taken under a mining lease or mineral development licence*,.
- National Uniform Drillers Licensing Committee, N 2012, *Minimum Construction Requirements for Water Bores in Australia*,.

Appendix 1 Details of the WMS

This appendix provides the details of the groundwater level, groundwater chemistry and production well groundwater chemistry monitoring points. A description of the fields in the network tables is provided in Table A1-1.

Table A1-1: Definitions for fields that describe the network

Field name	Description
OGIA MP ID	Unique identifier for each monitoring point
WMS status	Status for each monitoring point in the UWIR 2021 WMS (see Table 2-1)
Latitude	Latitude
Longitude	Longitude
RN and pipe	Registered number (RN) and pipe as recorded on the Queensland Groundwater Database (GWDB)
Bore name	Tenure holder bore name or bore identifier (where available)
Formation	Target formation or sub-formation (e.g. upper or lower) for the monitoring point
Nest name	Name of the monitoring nest where a monitoring point is co-located with other monitoring points
Tenure holder	Responsible tenure holder for the construction and maintenance of monitoring points and data provision Abbreviations: ARR = Arrow, BRP = Bridgeport, CSE = CS Energy, GNC = Glencore, ING = Intergen, NHG = New Hope Group, ORG = Origin, PBY = Peabody, QGC = QGC, SNC = Stanmore Coal, SNT = Santos, SNX = Senex, TRI = Tri-Star, YAN = Yancoal
Timeframe	Year by which the monitoring point is required to be completed, repaired or replaced in accordance with the UWIR 2021 Abbreviations: Boxvale* = 12 months after OGIA investigation of Boxvale Sandstone, Horrane* = 12 months after OGIA investigation of Horrane Fault, ATP 792* = 12 months before ATP 792 commences production, 10km* = 2 years before production is planned within 10 km, 2022 UPC = Upon production commencement and scheduled start year, 2027 UPC = Upon production commencement and scheduled start year, 2029 UPC = Upon production commencement and scheduled start year, Mine* = Prior to mine commencement, Stage 3* = Prior to stage 3 commencement, UPC = Upon production commencement, NR = Not required
Network	Groundwater level, groundwater chemistry, or production well groundwater chemistry Abbreviations: GL = Groundwater level, GC = Groundwater chemistry, PR = Production well groundwater chemistry

Appendix 1.1 Groundwater level monitoring network

Table A1-2: Detailed version of the groundwater level network

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
625	RPR	-26.2427	150.0502	160686B	Burunga Lane-174	Evergreen Formation	Burunga Lane	ARR	2022
478	RPR	-26.2427	150.0502	160686D	Burunga Lane-174	Precipice Sandstone	Burunga Lane	ARR	2022
476	RPL	-26.2429	150.0500	160677A	Burunga Lane-176	Upper Hutton Sandstone	Burunga Lane	ARR	2022
475	RPR	-26.2429	150.0500	160677D	Burunga Lane-176	Taroom CM	Burunga Lane	ARR	2022
474	RPR	-26.2429	150.0500	160677E	Burunga Lane-176	Lower Juandah CM	Burunga Lane	ARR	2022
473	RPR	-26.2429	150.0500	160677F	Burunga Lane-176	Upper Juandah CM	Burunga Lane	ARR	2022
882	RSC	-27.4378	151.3575			Upper Hutton Sandstone	Carn Brea	ARR	2022
94	OPR	-27.4376	151.3575	160997A	Carn Brea 21	Lower Juandah CM	Carn Brea North	ARR	Complete
92	OPR	-27.4376	151.3577	160998A	Carn Brea 23	Condamine Alluvium	Carn Brea North	ARR	Complete
93	OPR	-27.4376	151.3577	160999A	Carn Brea 24	Condamine - Walloon Transition	Carn Brea North	ARR	Complete
38	OPR	-27.5330	151.3665	160657A	Carn Brea-17	Condamine Alluvium	Carn Brea South	ARR	Complete
43	OPR	-27.5330	151.3663	160688A	Carn Brea-18	Taroom CM	Carn Brea South	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
42	OPR	-27.5330	151.3663	160688B	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	Complete
40	OPR	-27.5330	151.3663	160688C	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	Complete
46	OPR	-27.5330	151.3662	160689A	Carn Brea-19	Evergreen Formation	Carn Brea South	ARR	Complete
44	OPR	-27.5330	151.3662	160689B	Carn Brea-19	Upper Hutton Sandstone	Carn Brea South	ARR	Complete
47	OPR	-27.5330	151.3660	160632A	Carn Brea-20	Precipice Sandstone	Carn Brea South	ARR	Complete
378	OPR	-26.5529	150.2220	160687A	Castledean-18	Taroom CM	Castledean-18	ARR	Complete
377	OPR	-26.5529	150.2220	160687B	Castledean-18	Lower Juandah CM	Castledean-18	ARR	Complete
376	OPR	-26.5529	150.2220	160687C	Castledean-18	Upper Juandah CM	Castledean-18	ARR	Complete
375	OPR	-26.5529	150.2220	160687D	Castledean-18	Upper Springbok Sandstone	Castledean-18	ARR	Complete
1060	NEW	-27.4340	151.2272			Condamine Alluvium	Cecil Central	ARR	Horrane*
1061	NEW	-27.4340	151.2272			Lower Springbok Sandstone	Cecil Central	ARR	Horrane*
1062	NEW	-27.4340	151.2272			Walloon CM	Cecil Central	ARR	Horrane*
1047	NEW	-27.4429	151.2887			Condamine Alluvium	Cecil East	ARR	Horrane*
1048	NEW	-27.4429	151.2887			Lower Springbok Sandstone	Cecil East	ARR	Horrane*
1049	NEW	-27.4429	151.2887			Walloon CM	Cecil East	ARR	Horrane*

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1050	NEW	-27.4822	151.1834			Condamine Alluvium	Cecil West	ARR	Horrane*
1051	NEW	-27.4822	151.1834			Lower Springbok Sandstone	Cecil West	ARR	Horrane*
1052	NEW	-27.4822	151.1834			Walloon CM	Cecil West	ARR	Horrane*
181	OPR	-27.1024	150.9613	160838A	Daandine 263	Lower Juandah CM	Daandine 121	ARR	Complete
182	OPR	-27.1004	150.9557	160350A	Daandine-121	Upper Hutton Sandstone	Daandine 121	ARR	Complete
720	OPR	-27.1441	150.9481	160347A	Daandine-123	Precipice Sandstone	Daandine-123/134/254	ARR	Complete
719	OPR	-27.1441	150.9481	160347C	Daandine-123	Upper Hutton Sandstone	Daandine-123/134/254	ARR	Complete
157	OPR	-27.1441	150.9480	160349A	Daandine-124	Westbourne Formation	Daandine-123/134/254	ARR	Complete
164	OPR	-27.1440	150.9486	160553A	Daandine-134	Eurombah Formation	Daandine-123/134/254	ARR	Complete
163	OPR	-27.1440	150.9486	160553B	Daandine-134	Taroom CM	Daandine-123/134/254	ARR	Complete
162	OPR	-27.1440	150.9486	160553C	Daandine-134	Tangalooma Sandstone	Daandine-123/134/254	ARR	Complete
161	OPR	-27.1441	150.9482	160802A	Daandine-254	Lower Juandah CM	Daandine-123/134/254	ARR	Complete
160	OPR	-27.1441	150.9482	160802B	Daandine-254	Upper Juandah CM	Daandine-123/134/254	ARR	Complete
159	OPR	-27.1441	150.9482	160802C	Daandine-254	Upper Juandah CM	Daandine-123/134/254	ARR	Complete
166	OPR	-27.1185	151.0756	160643A	Daandine-161	Condamine Alluvium	Daleglade	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
167	OPR	-27.1200	151.0759	160676A	Daandine-163	Condamine - Walloon Transition	Daleglade	ARR	Complete
168	OPR	-27.1200	151.0760	160678A	Daandine-164	Lower Juandah CM	Daleglade	ARR	Complete
285	OPR	-26.7435	150.6784	160803A	Dundee-20	Taroom CM	Dundee 20	ARR	Complete
284	OPR	-26.7435	150.6784	160803B	Dundee-20	Upper Taroom CM	Dundee 20	ARR	Complete
283	OPR	-26.7435	150.6784	160803C	Dundee-20	Lower Juandah CM	Dundee 20	ARR	Complete
281	OPR	-26.7422	150.6799	42230209A	RN 42230209	Condamine Alluvium	Dundee 20	ARR	Complete
732	OPR	-27.8330	151.0973	180030A	Glenburnie 20	Lower Springbok Sandstone	Glenburnie	ARR	Complete
733	OPR	-27.8324	151.0980	160593A	Glenburnie 21	Upper Juandah CM	Glenburnie	ARR	Complete
734	OPR	-27.8325	151.0981	160177A	Glenburnie 22	Upper Juandah CM	Glenburnie	ARR	Complete
736	OPR	-27.7202	151.1565	160941A	Glenburnie-18	Lower Hutton Sandstone	Glenburnie-18	ARR	Complete
735	OPR	-27.7202	151.1565	160941B	Glenburnie-18	Upper Hutton Sandstone	Glenburnie-18	ARR	Complete
738	OPR	-27.7202	151.1565	160941D	Glenburnie-18	Taroom CM	Glenburnie-18	ARR	Complete
737	OPR	-27.7202	151.1565	160941E	Glenburnie-18	Lower Springbok Sandstone	Glenburnie-18	ARR	Complete
618	OPR	-26.9732	150.6118	160699A	Hopeland-17	Taroom CM	Hopeland 17	ARR	Complete
617	OPR	-26.9732	150.6118	160699B	Hopeland-17	Lower Juandah CM	Hopeland 17	ARR	Complete
616	OPR	-26.9732	150.6118	160699C	Hopeland-17	Upper Juandah CM	Hopeland 17	ARR	Complete
615	OPR	-26.9732	150.6118	160699D	Hopeland-17	Upper Springbok Sandstone	Hopeland 17	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
629	OPR	-26.4134	150.1537	160348A	Kedron-570	Lower Hutton Sandstone	Kedron 570	ARR	Complete
628	OPR	-26.4134	150.1537	160348C	Kedron-570	Eurombah Formation	Kedron 570	ARR	Complete
627	OPR	-26.4134	150.1537	160348D	Kedron-570	Tangalooma Sandstone	Kedron 570	ARR	Complete
626	OPR	-26.4134	150.1537	160348E	Kedron-570	Upper Juandah CM	Kedron 570	ARR	Complete
748	OPR	-26.9989	150.9018	160702C	Kogan North-79	Taroom CM	Kogan North-79	ARR	Complete
747	OPR	-26.9989	150.9018	160702D	Kogan North-79	Lower Juandah CM	Kogan North-79	ARR	Complete
749	OPR	-26.9989	150.9018	160702E	Kogan North-79	Upper Juandah CM	Kogan North-79	ARR	Complete
750	OPR	-27.5547	151.3591	160942A	Lone Pine-14	Lower Juandah CM	Lone Pine	ARR	Complete
751	OPR	-27.5547	151.3588	160944A	Lone Pine-16	Upper Juandah CM	Lone Pine	ARR	Complete
147	OPR	-27.1843	151.1274	160869A	Longswamp-7	Taroom CM	Longswamp 1	ARR	Complete
146	OPR	-27.1843	151.1274	160869B	Longswamp-7	Lower Juandah CM	Longswamp 1	ARR	Complete
145	OPR	-27.1843	151.1274	160869C	Longswamp-7	Upper Juandah CM	Longswamp 1	ARR	Complete
756	OPR	-27.2685	151.0953	180028A	Longswamp 33	Lower Springbok Sandstone	Longswamp 2	ARR	Complete
757	OPR	-27.2685	151.0952	180029A	Longswamp 34	Upper Juandah CM	Longswamp 2	ARR	Complete
752	OPR	-27.3415	151.0917	180024A	Longswamp 28	Westbourne Formation	Longswamp 3	ARR	Complete
753	OPR	-27.3415	151.0916	180025A	Longswamp 29	Lower Springbok Sandstone	Longswamp 3	ARR	Complete
754	OPR	-27.3415	151.0914	180026A	Longswamp 30R	Upper Juandah CM	Longswamp 3	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
755	OPR	-27.3435	151.0957		Longswamp 31	Alluvium	Longswamp 3	ARR	Complete
244	OPR	-26.8951	150.9543	160918A	Macalister 5	Condamine Alluvium	Macalister North	ARR	Complete
245	OPR	-26.8951	150.9544	160919A	Macalister 8	Taroom CM	Macalister North	ARR	Complete
205	OPR	-27.0257	151.1332	160218A	Macalister 6	Eurombah Formation	Macalister South	ARR	Complete
206	OPR	-27.0257	151.1332	160218B	Macalister 6	Taroom CM	Macalister South	ARR	Complete
203	OPR	-27.0256	151.1333	180020A	Macalister 7	Condamine Alluvium	Macalister South	ARR	Complete
36	OPR	-27.5799	151.1334	160923A	Meenawarra-21	Taroom CM	Meenawarra-21	ARR	Complete
35	OPR	-27.5799	151.1334	160923B	Meenawarra-21	Lower Juandah CM	Meenawarra-21	ARR	Complete
34	OPR	-27.5799	151.1334	160923C	Meenawarra-21	Upper Juandah CM	Meenawarra-21	ARR	Complete
619	OPR	-27.5799	151.1334	160923D	Meenawarra-21	Lower Springbok Sandstone	Meenawarra-21	ARR	Complete
600	OPR	-27.7241	151.2764	160978A	Mt Haystack 4	Taroom CM	Mount Haystack 1	ARR	Complete
599	OPR	-27.7240	151.2765	160835A	Mt Haystack 5	Condamine Alluvium	Mount Haystack 1	ARR	Complete
598	OPR	-27.7272	151.7633	160804A	Mt Haystack 2	Upper Taroom CM	Mount Haystack 2	ARR	Complete
597	OPR	-27.7308	151.7634	42231597A	RN 42231597	Main Range Volcanics	Mount Haystack 2	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
878	RSC	-26.4801	150.5513			Walloon CM	no nest	ARR	2022
579	OPR	-27.9245	151.1249	160837A	Bora Creek 10	Taroom CM	no nest	ARR	Complete
148	OPR	-27.1531	151.0442	160847A	Daandine 264	Lower Juandah CM	no nest	ARR	Complete
23	RPR	-27.6392	151.1677	160836A	Glenburnie 19	Lower Juandah CM	no nest	ARR	2022
83	OPR	-27.3435	151.1238	180004A	Longswamp 27	Juandah CM	no nest	ARR	Complete
495	RSC	-26.2301	149.9534		Not identified	Lower Juandah CM	no nest	ARR	2022
496	RSC	-26.2301	149.9534		Not identified	Taroom CM	no nest	ARR	2022
494	RSC	-26.2301	149.9534		Not identified	Upper Juandah CM	no nest	ARR	2022
578	OPR	-27.9222	151.1214	41620043A	RN 41620043	Upper Juandah CM	no nest	ARR	Complete
51	OPR	-27.4915	151.3932	42231370A	RN 42231370	Condamine Alluvium	no nest	ARR	Complete
37	RPR	-27.5488	151.3130	42231463A	RN 42231463	Condamine Alluvium	no nest	ARR	2022
138	OPR	-27.2156	151.3489	160859A	Tipton 221	Condamine Alluvium	no nest	ARR	Complete
139	OPR	-27.2156	151.3488	160877A	Tipton 222	Condamine - Walloon Transition	no nest	ARR	Complete
620	OPR	-27.3586	151.1531		Tipton-153	Upper Hutton Sandstone	no nest	ARR	Complete
861	OPR	-27.3875	151.1181	160543A	Tipton-194	Precipice Sandstone	no nest	ARR	Complete
891	RSC	-26.4801	150.5513			Alluvium	no nest	ARR	2022
868	RSC	-26.3127	150.3777			Upper Hutton Sandstone	no nest	ARR	2023
869	RSC	-26.4801	150.5513			Upper Hutton Sandstone	no nest	ARR	2022
877	RSC	-26.5670	150.6530			Walloon CM	no nest	ARR	2022
24	OPR	-27.6147	151.2267	160921A	Pampas 18	Condamine Alluvium	Pampas	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
25	OPR	-27.6146	151.2267	160788A	Pampas-5	Taroom CM	Pampas	ARR	Complete
1054	INT	-27.3828	151.1869	180089A	Plainview 34	Taroom CM	Plainview	ARR	Complete
1053	INT	-27.3828	151.1869	180089B	Plainview 34	Juandah CM	Plainview	ARR	Complete
77	OPR	-27.3842	151.2044	180090A	PLAINVIEW 35	Juandah CM	Plainview	ARR	Complete
789	OPR	-27.3868	151.2160	180046A	Plainview 36	Lower Springbok Sandstone	Plainview	ARR	Complete
791	OPR	-27.3868	151.2160	180091A	Plainview 37	Condamine Alluvium	Plainview	ARR	Complete
792	RSC	-27.3858	151.2165			Upper Hutton Sandstone	Plainview	ARR	2021
121	OPR	-27.2521	151.2922	160800A	Plainview-25	Lower Juandah CM	Plainview-25	ARR	Complete
120	OPR	-27.2521	151.2922	160800B	Plainview-25	Condamine - Walloon Transition	Plainview-25	ARR	Complete
119	OPR	-27.2521	151.2922	160800C	Plainview-25	Condamine Alluvium	Plainview-25	ARR	Complete
796	OPR	-26.5516	150.3782	160346D	Punch Bowl-15	Taroom CM	Punchbowl 15	ARR	Complete
797	OPR	-26.5516	150.3782	160346E	Punch Bowl-15	Tangalooma Sandstone	Punchbowl 15	ARR	Complete
822	OPR	-27.1990	151.0267	160870A	Stratheden-62	Condamine Alluvium	Stratheden-63	ARR	Complete
622	OPR	-27.1989	151.0268	160871A	Stratheden-63	Lower Springbok Sandstone	Stratheden-63	ARR	Complete
84	OPR	-27.3205	151.2054	160717A	Tipton-195	Condamine Alluvium	Tipton	ARR	Complete
86	OPR	-27.3202	151.2050	160750A	Tipton-196A	Condamine - Walloon Transition	Tipton	ARR	Complete
91	OPR	-27.3202	151.2053	160751A	Tipton-197	Taroom CM	Tipton	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
90	OPR	-27.3202	151.2053	160751B	Tipton-197	Lower Juandah CM	Tipton	ARR	Complete
88	OPR	-27.3202	151.2053	160751C	Tipton-197	Upper Juandah CM	Tipton	ARR	Complete
151	OPR	-27.1496	151.2094	160801A	Tipton 204	Taroom CM	Tipton 204	ARR	Complete
150	OPR	-27.1496	151.2094	160801B	Tipton 204	Condamine - Walloon Transition	Tipton 204	ARR	Complete
149	OPR	-27.1496	151.2094	160801C	Tipton 204	Condamine Alluvium	Tipton 204	ARR	Complete
141	OPR	-27.2157	151.3489	160789A	Tipton 206	Eurombah Formation	Tipton 206	ARR	Complete
142	OPR	-27.2157	151.3489	160789B	Tipton 206	Taroom CM	Tipton 206	ARR	Complete
74	OPR	-27.3981	151.0889	160799A	Tipton-157	Taroom CM	Tipton-157	ARR	Complete
73	OPR	-27.3981	151.0889	160799B	Tipton-157	Lower Juandah CM	Tipton-157	ARR	Complete
72	OPR	-27.3981	151.0889	160799C	Tipton-157	Upper Juandah CM	Tipton-157	ARR	Complete
831	RSC	-27.3830	151.1730		Tipton 203	Condamine Alluvium	West Horrane	ARR	2021
832	RSC	-27.3830	151.1730			Upper Hutton Sandstone	West Horrane	ARR	2021
833	RSC	-27.3830	151.1730			Lower Springbok Sandstone	West Horrane	ARR	2021
834	RSC	-27.3830	151.1730			Lower Juandah CM	West Horrane	ARR	2021
835	RSC	-27.3830	151.1730			Taroom CM	West Horrane	ARR	2021
836	RSC	-27.3830	151.1730			Upper Juandah CM	West Horrane	ARR	2021
246	OPR	-26.8662	150.7550	160642A	Wyalla-16	Condamine Alluvium	Wyalla	ARR	Complete
624	OPR	-26.8660	150.7551	160563	Wyalla-17	Upper Hutton Sandstone	Wyalla	ARR	Complete
252	OPR	-26.8663	150.7550	160563A	Wyalla-17	Precipice Sandstone	Wyalla	ARR	Complete
251	OPR	-26.8661	150.7551	160658A	Wyalla-18	Taroom CM	Wyalla	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
250	OPR	-26.8661	150.7551	160658B	Wyalla-18	Lower Juandah CM	Wyalla	ARR	Complete
249	OPR	-26.8661	150.7551	160658C	Wyalla-18	Lower Juandah CM	Wyalla	ARR	Complete
581	RPR	-27.7612	150.2458	22939A	Moonie 35	Precipice Sandstone	Moonie	BRP	2022
763	RSC	-27.7612	150.2458			Upper Hutton Sandstone	Moonie	BRP	2022
1102	INT	-26.9490	150.5943	119965A	KOGAN_CREEK_CLYNES ROAD MONITORING BORE	Precipice Sandstone	no nest	CSE	Complete
1101	INT	-26.9269	150.7987		KOGAN_CREEK_KC1276M	Upper Juandah CM	no nest	CSE	Complete
1103	INT	-26.9248	150.7993	119865A	KOGAN_CREEK_MB2	Alluvium	no nest	CSE	Complete
1104	INT	-26.9393	150.7685	160248A	KOGAN_CREEK_MB20	Lower Springbok Sandstone	no nest	CSE	Complete
1105	INT	-26.9237	150.7781		KOGAN_CREEK_MB21	Upper Juandah CM	no nest	CSE	Complete
1106	INT	-26.9182	150.7459	147971A	KOGAN_CREEK_MB24D-R	Upper Juandah CM	no nest	CSE	Complete
1107	INT	-26.9182	150.7465		KOGAN_CREEK_MB24I	Lower Springbok Sandstone	no nest	CSE	Complete
1108	INT	-26.9272	150.7791		KOGAN_CREEK_MB25	Upper Juandah CM	no nest	CSE	Complete
1109	INT	-26.9390	150.8043	147966A	KOGAN_CREEK_MB27	Upper Juandah CM	no nest	CSE	Complete
1110	INT	-26.9461	150.7871		KOGAN_CREEK_MB29	Upper Juandah CM	no nest	CSE	Complete
1111	INT	-26.9256	150.7800	119866A	KOGAN_CREEK_MB3	Alluvium	no nest	CSE	Complete
1112	INT	-26.9584	150.7926	147973A	KOGAN_CREEK_MB31	Upper Juandah CM	no nest	CSE	Complete
1115	INT	-26.9394	150.7720	119867A	KOGAN_CREEK_MB4	Alluvium	no nest	CSE	Complete
1113	INT	-26.9444	150.7703		KOGAN_CREEK_MB7-R	Upper Juandah CM	no nest	CSE	Complete
1114	INT	-26.9383	150.7465		KOGAN_CREEK_MB9	Lower Springbok Sandstone	no nest	CSE	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1071	INT	-26.0991	149.8647		WANDOAN_G8012-D	Upper Juandah CM	no nest	GNC	Complete
1072	INT	-26.0991	149.8647		WANDOAN_G8012-S	Alluvium	no nest	GNC	Complete
1073	INT	-26.1187	149.8712		WANDOAN_G8013-D	Upper Juandah CM	no nest	GNC	Complete
1074	INT	-26.1187	149.8712		WANDOAN_G8013-S	Alluvium	no nest	GNC	Complete
1081	INT	-26.0317	149.6576		WANDOAN_GW13B	Upper Juandah CM	no nest	GNC	Complete
1075	INT	-26.1353	149.9503		WANDOAN_WMB2	Upper Juandah CM	no nest	GNC	Complete
1076	INT	-26.1002	149.8944		WANDOAN_WMB3-D	Upper Juandah CM	no nest	GNC	Complete
1077	INT	-26.1002	149.8944		WANDOAN_WMB3-S	Upper Juandah CM	no nest	GNC	Complete
1079	NEW	-26.1317	149.9173			Alluvium	no nest	GNC	Mine*
1080	NEW	-26.1117	149.9297			Alluvium	no nest	GNC	Mine*
1078	NEW	-26.1317	149.9173			Upper Juandah CM	no nest	GNC	Mine*
1119	INT	-27.9387	151.3137		COMMODORE_CMW102	Lower Hutton Sandstone	no nest	ING	Complete
1120	INT	-27.9169	151.2635		COMMODORE_CMW104	Lower Hutton Sandstone	no nest	ING	Complete
1121	INT	-27.9239	151.2478		COMMODORE_GW10	Taroom CM	no nest	ING	Complete
1122	INT	-27.9239	151.2478		COMMODORE_GW11	Lower Hutton Sandstone	no nest	ING	Complete
1123	INT	-27.9216	151.2715		COMMODORE_GW12	Lower Hutton Sandstone	no nest	ING	Complete
1124	INT	-27.9216	151.2715		COMMODORE_GW13	Taroom CM	no nest	ING	Complete
1125	INT	-27.9216	151.2715		COMMODORE_GW14	Alluvium	no nest	ING	Complete
1126	INT	-27.8717	151.3149	107335A	COMMODORE_GW17	Lower Hutton Sandstone	no nest	ING	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1127	INT	-27.8718	151.3150	107336A	COMMODORE_GW18	Eurombah Formation	no nest	ING	Complete
1128	INT	-27.9060	151.3499	107337A	COMMODORE_GW19	Lower Hutton Sandstone	no nest	ING	Complete
1129	INT	-27.9060	151.3497	107338A	COMMODORE_GW20	Upper Hutton Sandstone	no nest	ING	Complete
1130	INT	-27.9079	151.2459	172878A	COMMODORE_GW23	Taroom CM	no nest	ING	Complete
1131	INT	-27.9530	151.2480	18734A	COMMODORE_GW4	Taroom CM	no nest	ING	Complete
1132	INT	-27.9292	151.2913		COMMODORE_GW7	Taroom CM	no nest	ING	Complete
1082	INT	-25.9771	149.6488		ELIMATTA_MB13	Alluvium	no nest	NHP	Complete
1083	INT	-26.0331	149.6290		ELIMATTA_MB3A	Upper Juandah CM	no nest	NHP	Complete
1084	INT	-26.0331	149.6290		ELIMATTA_MB3B	Alluvium	no nest	NHP	Complete
1085	INT	-26.0589	149.5989		ELIMATTA_MB7A	Upper Juandah CM	no nest	NHP	Complete
1086	INT	-26.0589	149.5989		ELIMATTA_MB7B	Alluvium	no nest	NHP	Complete
1087	INT	-26.0790	149.5919		ELIMATTA_MB8A	Upper Juandah CM	no nest	NHP	Complete
1088	INT	-26.0791	149.5920		ELIMATTA_MB8B	Alluvium	no nest	NHP	Complete
1133	INT	-27.3164	151.6927	147120A	NEW_ACLAND_112PGC	Taroom CM	no nest	NHP	Complete
1134	INT	-27.2731	151.6969	192000A	NEW_ACLAND_18PBR	Main Range Volcanics	no nest	NHP	Complete
1135	INT	-27.2731	151.6968	192001A	NEW_ACLAND_18PCR	Taroom CM	no nest	NHP	Complete
1136	INT	-27.2771	151.7556	107361A	NEW_ACLAND_21P	Upper Hutton Sandstone	no nest	NHP	Complete
1137	INT	-27.2852	151.7342	137901A	NEW_ACLAND_2291P	Taroom CM	no nest	NHP	Complete
1138	INT	-27.2651	151.7206	107377A	NEW_ACLAND_27P	Taroom CM	no nest	NHP	Complete
1139	INT	-27.2728	151.7120	172761A	NEW_ACLAND_3307_WB	Mine Spoil	no nest	NHP	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1140	INT	-27.3042	151.7492		NEW_AC LAND_3314_WB	Taroom CM	no nest	NHP	Complete
1141	INT	-27.2854	151.6935	172901A	NEW_AC LAND_34P	Upper Hutton Sandstone	no nest	NHP	Complete
1142	INT	-27.2624	151.7228	107386A	NEW_AC LAND_48P	Upper Hutton Sandstone	no nest	NHP	Complete
1143	INT	-27.3006	151.7368	147999A	NEW_AC LAND_81P	Taroom CM	no nest	NHP	Complete
1144	INT	-27.3079	151.7235	137902A	NEW_AC LAND_82P	Taroom CM	no nest	NHP	Complete
1145	INT	-27.2853	151.6935	137905A	NEW_AC LAND_843B	Taroom CM	no nest	NHP	Complete
1146	INT	-27.2771	151.6901	137904A	NEW_AC LAND_84P	Main Range Volcanics	no nest	NHP	Complete
1147	INT	-27.2755	151.6837	147996A	NEW_AC LAND_BMH1	Main Range Volcanics	no nest	NHP	Complete
1148	INT	-27.3232	151.6436	147950A	NEW_AC LAND_GW08B	Taroom CM	no nest	NHP	Complete
1149	INT	-27.3230	151.6437	172181A	NEW_AC LAND_GW08C(3)	Upper Hutton Sandstone	no nest	NHP	Complete
1150	INT	-27.3652	151.7242	172006A	NEW_AC LAND_GW09A	Alluvium	no nest	NHP	Complete
1151	INT	-27.3651	151.7243	172007A	NEW_AC LAND_GW09B	Taroom CM	no nest	NHP	Complete
1152	INT	-27.3649	151.7243	172003A	NEW_AC LAND_GW09C	Upper Hutton Sandstone	no nest	NHP	Complete
1153	INT	-27.2709	151.6601	147149A	NEW_AC LAND_GW11A	Main Range Volcanics	no nest	NHP	Complete
1154	INT	-27.2722	151.6620	147952A	NEW_AC LAND_GW11B	Upper Hutton Sandstone	no nest	NHP	Complete
1155	INT	-27.2988	151.6348	172211A	NEW_AC LAND_GW12B	Taroom CM	no nest	NHP	Complete
1156	INT	-27.3313	151.6371	172212A	NEW_AC LAND_GW13B	Lower Juandah CM	no nest	NHP	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1157	INT	-27.3386	151.6428	172102A	NEW_AC LAND_GW14A	Alluvium	no nest	NHP	Complete
1158	INT	-27.2989	151.6336	172100A	NEW_AC LAND_GW16A	Main Range Volcanics	no nest	NHP	Complete
1159	INT	-27.3267	151.6654	172207A	NEW_AC LAND_GW18	Taroom CM	no nest	NHP	Complete
1160	INT	-27.3222	151.6702	172205A	NEW_AC LAND_GW20A	Taroom CM	no nest	NHP	Complete
1161	INT	-27.3223	151.6703	172203A	NEW_AC LAND_GW20B	Taroom CM	no nest	NHP	Complete
1162	INT	-27.3267	151.6659	172201A	NEW_AC LAND_GW22A	Lower Juandah CM	no nest	NHP	Complete
1163	INT	-27.3267	151.6661	172200A	NEW_AC LAND_GW22B	Taroom CM	no nest	NHP	Complete
1164	INT	-27.3268	151.6663	172430A	NEW_AC LAND_GW22C	Taroom CM	no nest	NHP	Complete
1165	INT	-27.3459	151.7557	119108A	NEW_AC LAND_HELDON	Precipice Sandstone	no nest	NHP	Complete
1166	NEW	-27.3223	151.6703			Upper Hutton Sandstone	no nest	NHP	Stage 3*
323	RPR	-26.6450	149.8519	160748A	Byme Creek MB1-W	Taroom CM	Byme Creek-MB1-W	ORG	2021
322	RPR	-26.6450	149.8519	160748B	Byme Creek MB1-W	Lower Juandah CM	Byme Creek-MB1-W	ORG	2021
321	RPR	-26.6450	149.8519	160748C	Byme Creek MB1-W	Upper Juandah CM	Byme Creek-MB1-W	ORG	2021
643	OPR	-26.2310	149.5642	160663A	Combabula MB1-G	Gubberamunda Sandstone	Combabula A	ORG	Complete
480	OPR	-26.2310	149.5645	160664A	Combabula MB2-S	Lower Springbok Sandstone	Combabula A	ORG	Complete
485	OPR	-26.2306	149.5651	160767A	Combabula MB3-W	Taroom CM	Combabula A	ORG	Complete
484	OPR	-26.2306	149.5651	160767B	Combabula MB3-W	Lower Juandah CM	Combabula A	ORG	Complete
483	OPR	-26.2306	149.5651	160767C	Combabula MB3-W	Upper Juandah CM	Combabula A	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
715	RSC	-26.2307	149.5650		Combabula MB7-H	Upper Hutton Sandstone	Combabula A	ORG	2022
223	OPR	-26.9315	150.2294	160755A	CON140	Taroom CM	Con140	ORG	Complete
222	OPR	-26.9315	150.2294	160755B	CON140	Lower Juandah CM	Con140	ORG	Complete
220	OPR	-26.9315	150.2294	160755C	CON140	Upper Juandah CM	Con140	ORG	Complete
216	OPR	-26.9417	150.2119	160628A	Condabri MB3-G	Gubberamunda Sandstone	Con140	ORG	Complete
218	OPR	-26.9417	150.2119	160627A	Condabri MB4-S	Upper Springbok Sandstone	Con140	ORG	Complete
636	OPR	-26.6840	150.2257	160953A	Condabri-INJ4-H	Hutton Sandstone	Condabri MB10	ORG	Complete
318	OPR	-26.6840	150.2262	160680A	Condabri-INJ5-P	Precipice Sandstone	Condabri MB10	ORG	Complete
717	RSC	-26.6840	150.2257		Condabri-Nth-MB1-S	Lower Springbok Sandstone	Condabri MB10	ORG	2022
263	OPR	-26.7887	150.2176	160759A	Condabri MB12-W	Taroom CM	Condabri MB12	ORG	Complete
262	OPR	-26.7887	150.2176	160759B	Condabri MB12-W	Lower Juandah CM	Condabri MB12	ORG	Complete
261	OPR	-26.7887	150.2176	160759C	Condabri MB12-W	Upper Juandah CM	Condabri MB12	ORG	Complete
649	RPR	-26.7862	150.2264	160951A	Condabri-INJ1-H	Hutton Sandstone	Condabri MB12	ORG	2021
650	OPR	-26.7865	150.2261	160952A	Condabri-INJ2-P	Precipice Sandstone	Condabri MB12	ORG	Complete
648	OPR	-26.7866	150.2259	160967A	Condabri-INJ3-G	Gubberamunda Sandstone	Condabri MB12	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
317	OPR	-26.6306	150.1460	160760A	Dalwogan 12	Taroom CM	Dalwogan 12	ORG	Complete
316	OPR	-26.6306	150.1460	160760B	Dalwogan 12	Lower Juandah CM	Dalwogan 12	ORG	Complete
314	OPR	-26.6306	150.1460	160760C	Dalwogan 12	Upper Juandah CM	Dalwogan 12	ORG	Complete
312	OPR	-26.6295	150.1455	160194A	Dalwogan MB2-S	Upper Springbok Sandstone	Dalwogan 12	ORG	Complete
638	OPR	-26.5535	150.1040	160002A	Dalwogan MB3-G	Gubberamunda Sandstone	Dalwogan MB6	ORG	Complete
344	OPR	-26.5536	150.1040	160193A	Dalwogan MB4-S	Upper Springbok Sandstone	Dalwogan MB6	ORG	Complete
349	OPR	-26.5546	150.1043	160807A	Dalwogan MB5-H	Hutton Sandstone	Dalwogan MB6	ORG	Complete
348	OPR	-26.5543	150.1042	160761A	Dalwogan MB6-W	Taroom CM	Dalwogan MB6	ORG	Complete
347	OPR	-26.5543	150.1042	160761B	Dalwogan MB6-W	Lower Juandah CM	Dalwogan MB6	ORG	Complete
346	OPR	-26.5543	150.1042	160761C	Dalwogan MB6-W	Upper Juandah CM	Dalwogan MB6	ORG	Complete
177	RPR	-27.1077	150.2213	160848A	DUK011T	Walloon CM	Duke	ORG	2022
180	OPR	-27.1370	150.2220	160955	DUK036	Hutton Sandstone	Duke	ORG	Complete
175	OPR	-27.1083	150.2213	160681A	Duke 25	Springbok Sandstone	Duke	ORG	Complete
509	OPR	-25.9765	149.1042	160656B	DM023	Bandanna Formation	Durham Ranch 23	ORG	Complete
725	RSC	-25.8570	148.8300			Boxvale Sandstone Member	East Hutton Wallumbilla	ORG	Boxvale*
726	RSC	-25.8570	148.8300			Lower Hutton Sandstone	East Hutton Wallumbilla	ORG	Boxvale*

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
727	RSC	-25.8570	148.8300			Precipice Sandstone	East Hutton Wallumbilla	ORG	Boxvale*
729	RSC	-25.8740	148.9260			Bandanna Formation	Expedition Creek	ORG	2024
730	RSC	-25.8740	148.9260			Upper Hutton Sandstone	Expedition Creek	ORG	2024
731	RSC	-25.8740	148.9260			Precipice Sandstone	Expedition Creek	ORG	2024
174	OPR	-27.1111	150.3901	160806A	DUK035M	Taroom CM	Ironbark MB1	ORG	Complete
173	OPR	-27.1111	150.3901	160806B	DUK035M	Lower Juandah CM	Ironbark MB1	ORG	Complete
172	OPR	-27.1111	150.3901	160806C	DUK035M	Upper Juandah CM	Ironbark MB1	ORG	Complete
170	OPR	-27.1083	150.3942	160682A	Duke 27	Springbok Sandstone	Ironbark MB1	ORG	Complete
169	OPR	-27.1113	150.3897	160701A	Ironbark MB2-G	Gubberamunda Sandstone	Ironbark MB1	ORG	Complete
191	OPR	-27.0396	150.7803	160753A	Kainama MB1-W	Taroom CM	Kainama-MB1-W	ORG	Complete
190	OPR	-27.0396	150.7803	160753B	Kainama MB1-W	Lower Juandah CM	Kainama-MB1-W	ORG	Complete
188	OPR	-27.0396	150.7803	160753C	Kainama MB1-W	Upper Juandah CM	Kainama-MB1-W	ORG	Complete
186	OPR	-27.0395	150.7806	160564A	Kainama MB2-S	Lower Springbok Sandstone	Kainama-MB1-W	ORG	Complete
632	RPL	-27.0396	150.7803		Kainama-MB3-H	Upper Hutton Sandstone	Kainama-MB1-W	ORG	2022
745	OPR	-25.6506	149.5788	160985A	Kinnoul MB1-P	Precipice Sandstone	Kinnoul	ORG	Complete
658	OPR	-25.6504	149.5785	160986A	Kinnoul MB2-H	Hutton Sandstone	Kinnoul	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
746	RSC	-25.6504	149.5785			Taroom CM	Kinnoul	ORG	2023
758	OPR	-26.4076	149.5817	160885A	LUCKY GULLY 5	Precipice Sandstone	Lucky Gully	ORG	Complete
639	RSC	-26.4076	149.5817		Lucky Gully 5	Hutton Sandstone	Lucky Gully	ORG	2022
404	OPR	-26.3997	149.5827	160617A	Lucky Gully MB1-G	Gubberamunda Sandstone	Lucky Gully	ORG	Complete
406	OPR	-26.4032	149.5825	160777A	Lucky Gully MB2-S	Upper Springbok Sandstone	Lucky Gully	ORG	Complete
410	OPR	-26.4024	149.5772	160763A	Lucky Gully MB3-W	Taroom CM	Lucky Gully	ORG	Complete
409	OPR	-26.4024	149.5772	160763B	Lucky Gully MB3-W	Lower Juandah CM	Lucky Gully	ORG	Complete
408	OPR	-26.4024	149.5772	160763C	Lucky Gully MB3-W	Upper Juandah CM	Lucky Gully	ORG	Complete
486	OPR	-26.2227	149.1654	160862A	Meeleebee MB1-S	Springbok Sandstone	Meeleebee A	ORG	Complete
491	OPR	-26.2218	149.1652	160972A	Meeleebee MB2-H	Hutton Sandstone	Meeleebee A	ORG	Complete
490	OPR	-26.2227	149.1650	160973A	Meeleebee MB3-W	Taroom CM	Meeleebee A	ORG	Complete
489	OPR	-26.2227	149.1650	160973B	Meeleebee MB3-W	Lower Juandah CM	Meeleebee A	ORG	Complete
488	OPR	-26.2227	149.1650	160973C	Meeleebee MB3-W	Upper Juandah CM	Meeleebee A	ORG	Complete
493	OPR	-26.2219	149.1648	180016A	Meeleebee MB5-P	Precipice Sandstone	Meeleebee A	ORG	Complete
614	OPR	-26.1623	149.4140	160772A	Meeleebee MB4-W	Taroom CM	Meeleebee B	ORG	Complete
613	OPR	-26.1623	149.4140	160772B	Meeleebee MB4-W	Lower Juandah CM	Meeleebee B	ORG	Complete
612	OPR	-26.1623	149.4140	160772C	Meeleebee MB4-W	Upper Juandah CM	Meeleebee B	ORG	Complete
611	OPR	-26.1619	149.4143	160630A	Meeleebee MB7-S	Springbok Sandstone	Meeleebee B	ORG	Complete
759	OPR	-26.1928	149.3433	123444	Piccadilly New Hutton Bore	Upper Hutton Sandstone	Meeleebee B	ORG	Complete
448	OPR	-26.3202	149.2627	160472A	Muggleton MB1-G	Gubberamunda Sandstone	Muggleton / Pine Hills	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
450	OPR	-26.3202	149.2628	160507A	Muggleton MB2-S	Lower Springbok Sandstone	Muggleton / Pine Hills	ORG	Complete
455	OPR	-26.3188	149.2636	160679A	Pine Hills MB1-W	Taroom CM	Muggleton / Pine Hills	ORG	Complete
454	OPR	-26.3188	149.2636	160679B	Pine Hills MB1-W	Lower Juandah CM	Muggleton / Pine Hills	ORG	Complete
452	OPR	-26.3188	149.2636	160679C	Pine Hills MB1-W	Upper Juandah CM	Muggleton / Pine Hills	ORG	Complete
350	OPR	-26.5400	149.9593	123130A	Bethel BT Roberts Bore 2	Mooga Sandstone	no nest	ORG	Complete
310	OPR	-26.6350	149.6834	160723A	Carinya MB2-S	Upper Springbok Sandstone	no nest	ORG	Complete
303	OPR	-26.7145	149.9997	160749A	Carinya MB3-G	Gubberamunda Sandstone	no nest	ORG	Complete
305	OPR	-26.7141	149.9995	160792A	Carinya MB4-S	Upper Springbok Sandstone	no nest	ORG	Complete
637	OPR	-26.5440	149.8864	160708A	Carinya MB5-H	Hutton Sandstone	no nest	ORG	Complete
848	OPR	-26.2932	149.4240	160914A	Combabula 291 MON-P	Precipice Sandstone	no nest	ORG	Complete
256	OPR	-26.8086	150.1710	160719A	Condabri MB1-G	Gubberamunda Sandstone	no nest	ORG	Complete
258	OPR	-26.8085	150.1710	160734A	Condabri MB2-S	Upper Springbok Sandstone	no nest	ORG	Complete
201	OPR	-27.0358	150.3061	160665A	Condabri MB6-S	Upper Springbok Sandstone	no nest	ORG	Complete
264	OPR	-26.8079	150.1708	160655A	Condabri-MB9-H	Upper Hutton Sandstone	no nest	ORG	Complete
645	OPR	-26.0348	149.2137	58623A	Echo Hills Flowing Bore	Precipice Sandstone	no nest	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
508	OPR	-26.0132	149.1933	16659A	Echo Hills Northern Bore	Upper Hutton Sandstone	no nest	ORG	Complete
655	OPR	-25.8872	149.3247	14881A	Moorabinda House Bore	Hutton Sandstone	no nest	ORG	Complete
399	OPR	-26.4828	149.7863	160684A	Ramyard MB4-S	Springbok Sandstone	no nest	ORG	Complete
888	RSC	-26.3557	149.4441		ReedyCreek-MB7-A	Alluvium	no nest	ORG	2022
659	OPR	-25.8765	149.0627	58594A	Scotts Creek Sawmill Bore	Lower Hutton Sandstone	no nest	ORG	Complete
566	OPR	-25.6917	149.1875	160771A	Spring Gully MB11-P	Precipice Sandstone	no nest	ORG	Complete
565	OPR	-25.6917	149.1878	160770A	Spring Gully MB12-E	Boxvale Sandstone Member	no nest	ORG	Complete
516	OPR	-25.8665	149.2171	160691A	Spring Gully MB16-P	Precipice Sandstone	no nest	ORG	Complete
515	OPR	-25.8666	149.2169	160793A	Spring Gully MB17-H	Hutton Sandstone	no nest	ORG	Complete
529	OPR	-25.8375	148.8510	160736A	Spring Gully PB1	Precipice Sandstone	no nest	ORG	Complete
849	OPR	-25.8870	148.8638	160794A	Spring Gully PB4	Precipice Sandstone	no nest	ORG	Complete
851	OPR	-26.0189	148.9895	160971A	Spring Gully PB6	Precipice Sandstone	no nest	ORG	Complete
660	OPR	-25.9014	149.1479	123348A	Strathblane-WB1-P	Precipice Sandstone	no nest	ORG	Complete
271	OPR	-26.7580	150.3603	160693A	Talinga MB11-S	Upper Springbok Sandstone	no nest	ORG	Complete
876	RSC	-26.1120	149.2940			Walloon CM	no nest	ORG	2022
771	OPR	-26.7813	150.5542	160786A	Orana MB14-S	Lower Springbok Sandstone	Orana MB13	ORG	Complete
773	OPR	-26.9002	150.5031	160959A	Orana MB4-W	Taroom CM	Orana MB4	ORG	Complete
775	OPR	-26.9002	150.5031	160959B	Orana MB4-W	Lower Juandah CM	Orana MB4	ORG	Complete
774	OPR	-26.9002	150.5031	160959C	Orana MB4-W	Upper Juandah CM	Orana MB4	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
635	OPR	-26.8023	150.5501	160709A	Orana MB5-W	Taroom CM	Orana MB5	ORG	Complete
634	OPR	-26.8023	150.5501	160709B	Orana MB5-W	Lower Juandah CM	Orana MB5	ORG	Complete
633	OPR	-26.8023	150.5501	160709C	Orana MB5-W	Upper Juandah CM	Orana MB5	ORG	Complete
266	OPR	-26.8086	150.5407	160977A	Orana MB6-H	Hutton Sandstone	Orana MB5	ORG	Complete
778	OPR	-26.8026	150.5502	160739A	Orana MB8-S	Springbok Sandstone	Orana MB5	ORG	Complete
286	OPR	-26.7419	150.4252	160547A	Orana MB15-S	Springbok Sandstone	Orana MB7	ORG	Complete
290	OPR	-26.7415	150.4253	160713A	Orana MB7-W	Taroom CM	Orana MB7	ORG	Complete
289	OPR	-26.7415	150.4253	160713B	Orana MB7-W	Lower Juandah CM	Orana MB7	ORG	Complete
288	OPR	-26.7415	150.4253	160713C	Orana MB7-W	Upper Juandah CM	Orana MB7	ORG	Complete
784	OPR	-26.8131	150.4833	160738A	Orana MB10-S	Springbok Sandstone	Orana MB9	ORG	Complete
779	OPR	-26.8127	150.4833	160710A	Orana MB9-W	Taroom CM	Orana MB9	ORG	Complete
780	OPR	-26.8127	150.4833	160710B	Orana MB9-W	Lower Juandah CM	Orana MB9	ORG	Complete
781	OPR	-26.8127	150.4833	160710C	Orana MB9-W	Upper Juandah CM	Orana MB9	ORG	Complete
646	OPR	-26.0152	150.0958	160887A	Peat MB2-P	Precipice Sandstone	Peat	ORG	Complete
657	OPR	-26.0171	150.0953	160795A	Peat MB3-H	Hutton Sandstone	Peat	ORG	Complete
787	RSC	-26.0152	150.0958			Bandanna Formation	Peat	ORG	2022
871	RSC	-26.1260	150.1260		Sth-Burunga-MB1-P	Precipice Sandstone	Peat 16	ORG	2022
863	RSC	-26.1260	150.1260		Sth-Burunga-MB2-B	Bandanna Formation	Peat 16	ORG	2022
403	OPR	-26.3995	149.6970	160762A	Ramyard MB5-W	Taroom CM	Raynard MB5	ORG	Complete
402	OPR	-26.3995	149.6970	160762B	Ramyard MB5-W	Lower Juandah CM	Raynard MB5	ORG	Complete
400	OPR	-26.3995	149.6970	160762C	Ramyard MB5-W	Upper Juandah CM	Raynard MB5	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
651	OPR	-26.3404	149.3884	160965A	Reedy Creek-INJ3-H	Hutton Sandstone	Reedy creek A	ORG	Complete
652	OPR	-26.3407	149.3882	160966A	Reedy Creek-INJ4-P	Precipice Sandstone	Reedy creek A	ORG	Complete
640	OPR	-26.3563	149.4267	160185A	Reedy Creek MB1-G	Gubberamunda Sandstone	Reedy Creek B	ORG	Complete
438	OPR	-26.3563	149.4267	160187A	Reedy Creek MB2-S	Springbok Sandstone	Reedy creek B	ORG	Complete
443	OPR	-26.3566	149.4269	160765A	Reedy Creek MB4-W	Taroom CM	Reedy Creek B	ORG	Complete
442	OPR	-26.3566	149.4269	160765B	Reedy Creek MB4-W	Lower Juandah CM	Reedy Creek B	ORG	Complete
440	OPR	-26.3566	149.4269	160765C	Reedy Creek MB4-W	Upper Juandah CM	Reedy Creek B	ORG	Complete
641	OPR	-26.3562	149.4268	160184A	Reedy Creek SC1-WB	Westbourne Formation	Reedy creek B	ORG	Complete
642	OPR	-26.3589	149.4286	160964A	Reedy Creek-INJ2-P	Precipice Sandstone	Reedy Creek B	ORG	Complete
813	OPR	-25.9995	149.3915	160791A	Spring Gully MB7-P	Precipice Sandstone	Spring Gully	ORG	Complete
814	OPR	-25.9998	149.3913	160790A	Spring Gully MB8-H	Upper Hutton Sandstone	Spring Gully	ORG	Complete
653	OPR	-26.0005	149.0710	160020A	Spring Gully-DMH01	Upper Hutton Sandstone	Spring Gully DM	ORG	Complete
654	OPR	-26.0004	149.0714	160019A	Spring Gully-DMP01	Precipice Sandstone	Spring Gully DM	ORG	Complete
815	OPR	-25.6886	149.4056	160729A	Spring Gully MB10-H	Hutton Sandstone	Spring Gully North	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
816	OPR	-25.6890	149.4057	160742A	Spring Gully MB9-P	Precipice Sandstone	Spring Gully North	ORG	Complete
656	OPR	-26.0750	149.0138	160178A	Spring Gully MB4-H	Hutton Sandstone	Spring Gully PB3	ORG	Complete
589	OPR	-26.0751	149.0138	160737A	Spring Gully PB3	Precipice Sandstone	Spring Gully PB3	ORG	Complete
647	OPR	-25.9627	148.9511	160968A	Spring Gully MB14-H	Upper Hutton Sandstone	Spring Gully PB5	ORG	Complete
592	OPR	-25.9629	148.9507	160831A	Spring Gully PB5	Precipice Sandstone	Spring Gully PB5	ORG	Complete
594	OPR	-25.9508	148.9734	160743B	Spring Gully MB1-B	Bandanna Formation	SpringGully-MB1-B	ORG	Complete
498	OPR	-26.0794	149.1723	160768B	Spring Gully MB2-Br	Bandanna Formation	SpringGully-MB2-BR	ORG	Complete
820	OPR	-26.0788	149.1723	160669A	Spring Gully WB1-H	Hutton Sandstone	SpringGully-MB2-BR	ORG	Complete
591	RPR	-26.0428	149.0524	160825A	Spring Gully MB3-B	Bandanna Formation	SpringGully-MB3-B	ORG	2022
518	OPR	-25.9121	149.1985	160809C	Spring Gully MB5-B	Bandanna Formation	SpringGully-MB5-B	ORG	Complete
273	RPR	-26.8231	150.3492	160692C	TAL016	Upper Juandah CM	Talinga 16	ORG	2022
890	RSC	-26.8231	150.3492		Talinga-MB12-A	Alluvium	Talinga 16	ORG	2022
823	RSC	-26.8166	150.3496		Talinga-MB13-S	Lower Springbok Sandstone	Talinga 16	ORG	2022
239	OPR	-26.9124	150.3654	160757A	Talinga 15	Tangalooma Sandstone	Talinga MB8	ORG	Complete
237	OPR	-26.9124	150.3654	160757B	Talinga 15	Upper Juandah CM	Talinga MB8	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
242	OPR	-26.8924	150.3689	160634A	Talinga MB3-H	Hutton Sandstone	Talinga MB8	ORG	Complete
234	OPR	-26.8930	150.3703	160050A	Talinga MB7-S	Upper Springbok Sandstone	Talinga MB8	ORG	Complete
240	OPR	-26.8937	150.3683	160756A	Talinga MB8-W	Taroom CM	Talinga MB8	ORG	Complete
238	OPR	-26.8937	150.3683	160756B	Talinga MB8-W	Lower Juandah CM	Talinga MB8	ORG	Complete
236	OPR	-26.8937	150.3683	160756C	Talinga MB8-W	Upper Juandah CM	Talinga MB8	ORG	Complete
231	OPR	-26.8929	150.3689	160195A	Talinga MB9-G	Gubberamunda Sandstone	Talinga MB8	ORG	Complete
233	OPR	-26.8932	150.3713	160051A	Talinga SC2-Wb	Westbourne Formation	Talinga MB8	ORG	Complete
110	RSC	-27.2414	150.3420		Ironbark MB3-S	Lower Springbok Sandstone	West Tara	ORG	2025
113	RSC	-27.2412	150.3404		Ironbark MB4-W	Lower Juandah CM	West Tara	ORG	2025
114	RSC	-27.2412	150.3404		Ironbark MB4-W	Taroom CM	West Tara	ORG	2025
112	RSC	-27.2412	150.3404		Ironbark MB4-W	Upper Juandah CM	West Tara	ORG	2025
115	RSC	-27.2412	150.3408		Ironbark MB5-H	Hutton Sandstone	West Tara	ORG	2025
631	RSC	-27.2410	150.3410			Gubberamunda Sandstone	West Tara	ORG	2025
437	RPR	-26.3853	149.8476	160764A	Woleebee MB1-W	Taroom CM	Woleebee MB	ORG	2022
436	RPR	-26.3853	149.8476	160764B	Woleebee MB1-W	Lower Juandah CM	Woleebee MB	ORG	2022
435	RPR	-26.3853	149.8476	160764C	Woleebee MB1-W	Upper Juandah CM	Woleebee MB	ORG	2022
433	OPR	-26.3857	149.8478	160631A	Woleebee MB3-S	Upper Springbok Sandstone	Woleebee MB	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1118	NEW	-27.0407	150.9683		WILKIE_CREEK_Bore_5	Alluvium	no nest	PBY	2023
1116	INT	-27.0435	150.9655		WILKIE_CREEK_P01	Upper Juandah CM	no nest	PBY	Complete
1117	INT	-27.0725	150.9691		WILKIE_CREEK_P05	Upper Juandah CM	no nest	PBY	Complete
886	OPR	-26.1543	149.5738		Arthur 223	Westbourne Formation	Arthur	QGC	Complete
893	RSC	-26.1543	149.5738		Arthur 224	Walloon CM	Arthur	QGC	2022
892	RSC	-26.1543	149.5738		Arthur 225	Lower Springbok Sandstone	Arthur	QGC	2022
342	RPR	-26.6042	150.4138	180036A	Avon Downs 199	Upper Hutton Sandstone	Avon Downs 199	QGC	2022
341	RPR	-26.6042	150.4138	180036B	Avon Downs 199	Taroom CM	Avon Downs 199	QGC	2022
340	RPR	-26.6042	150.4138	180036C	Avon Downs 199	Lower Juandah CM	Avon Downs 199	QGC	2022
293	OPR	-26.6908	150.2670	160526A	Bellevue GW2	Upper Springbok Sandstone	Bellevue 1M	QGC	Complete
297	OPR	-26.6912	150.2673	160775A	Bellevue GW218	Taroom CM	Bellevue 1M	QGC	Complete
296	OPR	-26.6912	150.2673	160775C	Bellevue GW218	Lower Juandah CM	Bellevue 1M	QGC	Complete
295	OPR	-26.6912	150.2673	160775D	Bellevue GW218	Upper Juandah CM	Bellevue 1M	QGC	Complete
712	RSC	-26.8470	150.3001		Berwyndale South 217	Lower Springbok Sandstone	Berwyndale south	QGC	2022
254	OPR	-26.8470	150.3001	160515A	Berwyndale South GW2	Upper Springbok Sandstone	Berwyndale south	QGC	Complete
105	OPR	-27.2713	151.0703	160599B	Broadwater GW11	Taroom CM	Broadwater	QGC	Complete
104	OPR	-27.2713	151.0703	160599C	Broadwater GW11	Lower Juandah CM	Broadwater	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
103	OPR	-27.2713	151.0703	160599D	Broadwater GW11	Upper Juandah CM	Broadwater	QGC	Complete
106	OPR	-27.2714	151.0704	160600A	Broadwater GW15	Hutton Sandstone	Broadwater	QGC	Complete
101	OPR	-27.2714	151.0705	160635A	Broadwater GW4	Lower Springbok Sandstone	Broadwater	QGC	Complete
100	OPR	-27.2743	151.0648	160674A	Broadwater GW7	Condamine Alluvium	Broadwater	QGC	Complete
512	OPR	-25.9454	149.7748	180037A	Cassio 211	Taroom CM	Cassio	QGC	Complete
511	OPR	-25.9454	149.7748	180037C	Cassio 211	Lower Juandah CM	Cassio	QGC	Complete
510	OPR	-25.9454	149.7748	180037D	Cassio 211	Upper Juandah CM	Cassio	QGC	Complete
673	OPR	-25.9456	149.7747	160505A	Cassio GW1	Hutton Sandstone	Cassio	QGC	Complete
674	OPR	-25.9455	149.7746	160504A	Cassio GW2	Precipice Sandstone	Cassio	QGC	Complete
507	OPR	-26.0301	149.6564	160714A	Charlie GW1	Hutton Sandstone	Charlie	QGC	Complete
714	RPR	-26.0302	149.6565	160863A	Charlie GW2	Precipice Sandstone	Charlie	QGC	2022
522	OPR	-25.9089	149.5400	160509A	Charlotte GW1	Hutton Sandstone	Charlotte	QGC	Complete
524	OPR	-25.9089	149.5401	160508A	Charlotte GW2	Precipice Sandstone	Charlotte	QGC	Complete
521	OPR	-25.9087	149.5402	160883A	Charlotte GW3	Taroom CM	Charlotte	QGC	Complete
520	OPR	-25.9087	149.5402	160883B	Charlotte GW3	Tangalooma Sandstone	Charlotte	QGC	Complete
519	OPR	-25.9087	149.5402	160883C	Charlotte GW3	Lower Juandah CM	Charlotte	QGC	Complete
538	OPR	-25.7635	149.9772	160473A	Coochiemudlo GW1	Hutton Sandstone	Coochiemudl o	QGC	Complete
672	RPR	-25.7634	149.9773	160474A	Coochiemudlo GW2	Precipice Sandstone	Coochiemudl o	QGC	2022
82	RPR	-27.3628	150.8241	160852A	Cougals GW13	Taroom CM	Cougals GW13	QGC	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
81	RPR	-27.3628	150.8241	160852C	Cougals GW13	Lower Juandah CM	Cougals GW13	QGC	2022
80	RPR	-27.3628	150.8241	160852D	Cougals GW13	Upper Juandah CM	Cougals GW13	QGC	2022
79	RPR	-27.3628	150.8241	160852E	Cougals GW13	Upper Springbok Sandstone	Cougals GW13	QGC	2022
78	OPR	-27.3627	150.8242	160696A	Cougals GW14	Gubberamunda Sandstone	Cougals GW13	QGC	Complete
671	OPR	-25.9742	149.4500	180034A	Fishburn 226	Hutton Sandstone	Fishburn 226	QGC	Complete
670	OPR	-25.9742	149.4500	180034D	Fishburn 226	Lower Juandah CM	Fishburn 226	QGC	Complete
881	RSC	-25.9940	149.6400		Golden Grove 213	Walloon CM	Golden Grove	QGC	2022
880	OPR	-25.9924	149.6418		Taroom coal MB15	Alluvium	Golden Grove	QGC	Complete
70	RPR	-27.3661	151.0316	160846A	Harry GW1	Upper Hutton Sandstone	Harry GW1	QGC	2022
69	RPR	-27.3661	151.0316	160846B	Harry GW1	Taroom CM	Harry GW1	QGC	2022
68	RPR	-27.3661	151.0316	160846D	Harry GW1	Lower Juandah CM	Harry GW1	QGC	2022
67	RPR	-27.3661	151.0316	160846E	Harry GW1	Upper Juandah CM	Harry GW1	QGC	2022
66	RPR	-27.3661	151.0316	160846F	Harry GW1	Lower Springbok Sandstone	Harry GW1	QGC	2022
65	RPR	-27.3661	151.0316	160846G	Harry GW1	Westbourne Formation	Harry GW1	QGC	2022
64	OPR	-27.3630	151.0419	160811A	Harry GW9	Gubberamunda Sandstone	Harry GW1	QGC	Complete
124	RPL	-27.2700	150.9606		Jen 223	Lower Springbok Sandstone	Jen 223	QGC	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
125	RPL	-27.2624	150.9433		Jen 224	Lower Springbok Sandstone	Jen 224	QGC	2022
122	OPR	-27.2593	150.9374	160639A	Jen_MW001	Gubberamunda Sandstone	Jen 224	QGC	Complete
740	OPR	-27.1606	150.6773	160866A	Jordan 14R	Upper Hutton Sandstone	Jordan 14R	QGC	Complete
136	OPR	-27.1606	150.6773	160866B	Jordan 14R	Taroom CM	Jordan 14R	QGC	Complete
135	OPR	-27.1606	150.6773	160866C	Jordan 14R	Lower Juandah CM	Jordan 14R	QGC	Complete
134	OPR	-27.1606	150.6773	160866D	Jordan 14R	Upper Juandah CM	Jordan 14R	QGC	Complete
198	RPR	-27.0230	150.5628	160601A	Kenya East GW32	Taroom CM	Kenya East GW32	QGC	2022
197	RPR	-27.0230	150.5628	160601C	Kenya East GW32	Lower Juandah CM	Kenya East GW32	QGC	2022
196	RPR	-27.0230	150.5628	160601D	Kenya East GW32	Upper Juandah CM	Kenya East GW32	QGC	2022
741	OPR	-27.0225	150.5642	160525A	Kenya East GW4	Springbok Sandstone	Kenya East GW32	QGC	Complete
199	RPR	-27.0229	150.5628	160429A	Kenya East GW6	Hutton Sandstone	Kenya East GW32	QGC	2021
665	OPR	-27.0229	150.5629	160428A	Kenya East GW8	Westbourne Formation	Kenya East GW32	QGC	Complete
744	RSC	-26.9493	150.4436		Kenya 249	Lower Springbok Sandstone	Kenya GW3	QGC	2022
743	RSC	-26.9493	150.4436		Kenya 250	Upper Hutton Sandstone	Kenya GW3	QGC	2022
210	OPR	-26.9493	150.4437	160597A	Kenya GW2	Upper Springbok Sandstone	Kenya GW3	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
215	OPR	-26.9492	150.4436	160826A	Kenya GW3	Taroom CM	Kenya GW3	QGC	Complete
214	OPR	-26.9492	150.4436	160826B	Kenya GW3	Lower Juandah CM	Kenya GW3	QGC	Complete
213	OPR	-26.9492	150.4436	160826C	Kenya GW3	Upper Juandah CM	Kenya GW3	QGC	Complete
19	OPR	-27.5485	150.8055	180027A	Massie 7	Hutton Sandstone	Massie 8	QGC	Complete
18	OPR	-27.5486	150.8057	180045A	Massie 8	Taroom CM	Massie 8	QGC	Complete
17	OPR	-27.5486	150.8057	180045B	Massie 8	Lower Juandah CM	Massie 8	QGC	Complete
16	OPR	-27.5486	150.8057	180045C	Massie 8	Upper Juandah CM	Massie 8	QGC	Complete
14	OPR	-27.5486	150.8057	180045D	Massie 8	Lower Springbok Sandstone	Massie 8	QGC	Complete
841	RSC	-25.7469	149.8254	160053A	160053	Upper Juandah CM	no nest	QGC	2022
291	OPR	-26.7038	150.2461	160705A	BEL CPS Pond 2	Gubberamunda Sandstone	no nest	QGC	Complete
862	OPR	-25.9524	149.6894		Bloodworth 224	Alluvium	no nest	QGC	Complete
879	OPR	-25.9524	149.6894		Bloodworth 225	Walloon CM	no nest	QGC	Complete
887	OPR	-25.9236	149.4355		Fishburn 228	Alluvium	no nest	QGC	Complete
883	RSC	-27.0330	150.4885		Kate 242	Lower Springbok Sandstone	no nest	QGC	2022
884	RSC	-27.0284	150.5487		Kenya East 256	Lower Springbok Sandstone	no nest	QGC	2022
192	OPR	-27.0286	150.5485	160518A	Kenya East GW1	Gubberamunda Sandstone	no nest	QGC	Complete
194	OPR	-27.0284	150.5486	160519A	Kenya East GW2	Upper Springbok Sandstone	no nest	QGC	Complete
200	OPR	-27.0291	150.5744	160462A	Kenya East GW7	Precipice Sandstone	no nest	QGC	Complete
840	OPR	-25.7989	149.5590	180038A	Leghorn 1	Taroom CM	no nest	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
152	OPR	-27.1712	150.7823	160521A	Poppy GW2	Lower Springbok Sandstone	no nest	QGC	Complete
513	OPR	-25.9725	149.4042	13030812A	RN13030812	Birkhead Formation	no nest	QGC	Complete
549	OPR	-25.7486	149.7333	13030814A	RN13030814	Birkhead Formation	no nest	QGC	Complete
644	OPR	-26.8646	150.4870	42231522	RN42231522	Upper Springbok Sandstone	no nest	QGC	Complete
889	RSC	-26.9493	150.4437			Alluvium	no nest	QGC	2022
867	RSC	-25.7486	149.7333			Upper Hutton Sandstone	no nest	QGC	2022
666	RSC	-26.3660	149.9780		Carla GW2	Upper Hutton Sandstone	Peebs	QGC	10km*
417	OPR	-26.3656	149.9790	160720A	Peebs GW16	Taroom CM	Peebs	QGC	Complete
416	OPR	-26.3656	149.9790	160720C	Peebs GW16	Lower Juandah CM	Peebs	QGC	Complete
415	OPR	-26.3656	149.9790	160720D	Peebs GW16	Upper Juandah CM	Peebs	QGC	Complete
411	OPR	-26.3657	149.9788	160704A	Peebs GW17	Gubberamunda Sandstone	Peebs	QGC	Complete
413	OPR	-26.3657	149.9787	160694A	Peebs GW18	Upper Springbok Sandstone	Peebs	QGC	Complete
503	OPR	-26.0871	149.6309	180018A	Phillip 241	Springbok Sandstone	Phillip 5M	QGC	Complete
788	OPR	-26.0870	149.6309	160722A	Phillip 5M	Upper Hutton Sandstone	Phillip 5M	QGC	Complete
506	OPR	-26.0870	149.6309	160722B	Phillip 5M	Taroom CM	Phillip 5M	QGC	Complete
505	OPR	-26.0870	149.6309	160722C	Phillip 5M	Lower Juandah CM	Phillip 5M	QGC	Complete
504	OPR	-26.0870	149.6309	160722D	Phillip 5M	Upper Juandah CM	Phillip 5M	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
795	RSC	-26.1208	149.8070		Polaris 231	Upper Hutton Sandstone	Polaris GW24	QGC	2022
610	OPR	-26.1568	149.7998	160853A	Polaris GW24	Taroom CM	Polaris GW24	QGC	Complete
609	OPR	-26.1568	149.7998	160853B	Polaris GW24	Lower Juandah CM	Polaris GW24	QGC	Complete
608	OPR	-26.1568	149.7998	160853C	Polaris GW24	Upper Juandah CM	Polaris GW24	QGC	Complete
793	OPR	-26.1568	149.7998	160853D	Polaris GW24	Upper Springbok Sandstone	Polaris GW24	QGC	Complete
663	OPR	-27.1661	150.8640	180017A	RubyJo 228	Westbourne Formation	Ruby jo	QGC	Complete
133	OPR	-27.1663	150.8642	160685A	RubyJo GW2	Springbok Sandstone	Ruby jo	QGC	Complete
137	RPR	-27.1663	150.8641	160439A	RubyJo GW3	Hutton Sandstone	Ruby jo	QGC	2022
810	OPR	-27.1663	150.8643	160907A	RubyJo GW5	Lower Springbok Sandstone	Ruby jo	QGC	Complete
812	RSC	-27.1337	150.7746		Sean 178	Lower Springbok Sandstone	Sean 17M	QGC	2022
155	RPL	-27.1337	150.7746		Sean 179	Lower Juandah CM	Sean 17M	QGC	2022
156	RPL	-27.1337	150.7746		Sean 179	Taroom CM	Sean 17M	QGC	2022
154	RPL	-27.1337	150.7746		Sean 179	Upper Juandah CM	Sean 17M	QGC	2022
57	OPR	-27.4675	150.6165	160810A	Teviot GW1	Gubberamunda Sandstone	Teviot GW4	QGC	Complete
63	OPR	-27.4675	150.6166	160672A	Teviot GW4	Precipice Sandstone	Teviot GW4	QGC	Complete
62	OPR	-27.4675	150.6166	160672B	Teviot GW4	Hutton Sandstone	Teviot GW4	QGC	Complete
61	OPR	-27.4675	150.6166	160672C	Teviot GW4	Taroom CM	Teviot GW4	QGC	Complete
60	OPR	-27.4675	150.6166	160672D	Teviot GW4	Lower Juandah CM	Teviot GW4	QGC	Complete
59	OPR	-27.4675	150.6166	160672E	Teviot GW4	Upper Juandah CM	Teviot GW4	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
58	OPR	-27.4675	150.6166	160672F	Teviot GW4	Lower Springbok Sandstone	Teviot GW4	QGC	Complete
662	OPR	-27.2985	150.6370	180001A	Will 3MR	Hutton Sandstone	Will GW1	QGC	Complete
99	OPR	-27.2990	150.6369	160562B	Will GW1	Taroom CM	Will GW1	QGC	Complete
98	OPR	-27.2990	150.6369	160562C	Will GW1	Lower Juandah CM	Will GW1	QGC	Complete
97	OPR	-27.2990	150.6369	160562D	Will GW1	Upper Juandah CM	Will GW1	QGC	Complete
96	OPR	-27.2990	150.6369	160562E	Will GW1	Upper Springbok Sandstone	Will GW1	QGC	Complete
95	OPR	-27.2990	150.6368	160695A	Will GW2	Gubberamunda Sandstone	Will GW1	QGC	Complete
457	OPR	-26.2820	149.7149	160522A	Woleebee Creek GW1	Gubberamunda Sandstone	Woleebee Creek GW	QGC	Complete
467	RPR	-26.2819	149.7142	160433A	Woleebee Creek GW3	Hutton Sandstone	Woleebee Creek GW	QGC	2022
667	RPR	-26.2819	149.7142	160441A	Woleebee Creek GW4	Precipice Sandstone	Woleebee Creek GW	QGC	2022
462	OPR	-26.2819	149.7144	160431A	Woleebee Creek GW7	Westbourne Formation	Woleebee Creek GW	QGC	Complete
466	OPR	-26.2819	149.7141	160432A	Woleebee Creek GW8	Eurombah Formation	Woleebee Creek GW	QGC	Complete
465	OPR	-26.2819	149.7141	160432B	Woleebee Creek GW8	Taroom CM	Woleebee Creek GW	QGC	Complete
464	OPR	-26.2819	149.7141	160432C	Woleebee Creek GW8	Tangalooma Sandstone	Woleebee Creek GW	QGC	Complete
463	OPR	-26.2819	149.7141	160432D	Woleebee Creek GW8	Lower Juandah CM	Woleebee Creek GW	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
461	OPR	-26.2819	149.7141	160432E	Woleebee Creek GW8	Upper Juandah CM	Woleebee Creek GW	QGC	Complete
459	OPR	-26.2819	149.7144	160430A	Woleebee Creek GW9	Lower Springbok Sandstone	Woleebee Creek GW	QGC	Complete
678	RPR	-26.3871	149.1261	180014A	ARMIDALE GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Armidale	SNT	2022
419	OPR	-26.3872	149.1257	160823A	ARMIDALE GROUNDWATER BORE 01 (SPRINGBOK)	Lower Springbok Sandstone	Armidale	SNT	Complete
418	OPR	-26.3871	149.1256	160822A	ARMIDALE GROUNDWATER BORE 13 (GUBBERAMUNDA)	Gubberamunda Sandstone	Armidale	SNT	Complete
427	OPR	-26.3873	149.1259		ARMIDALE MULTI-LEVEL 02	Upper Hutton Sandstone	Armidale	SNT	Complete
423	OPR	-26.3873	149.1259		ARMIDALE MULTI-LEVEL 02	Lower Juandah CM	Armidale	SNT	Complete
425	OPR	-26.3873	149.1259		ARMIDALE MULTI-LEVEL 02	Taroom CM	Armidale	SNT	Complete
421	OPR	-26.3873	149.1259		ARMIDALE MULTI-LEVEL 02	Upper Juandah CM	Armidale	SNT	Complete
397	OPR	-26.4302	149.3612	160391A	BEN BOW GROUNDWATER BORE 01 (ORALLO)	Orallo Formation	Ben Bow	SNT	Complete
379	OPR	-26.4302	149.3613	160400	BEN BOW GROUNDWATER BORE 03 (GUBBERAMUNDA)	Gubberamunda Sandstone	Ben Bow	SNT	Complete
676	OPR	-26.4334	149.3559		COTTAGE CREEK MULTI-LEVEL	Hutton Sandstone	Ben Bow	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
675	OPR	-26.4334	149.3559		COTTAGE CREEK MULTI-LEVEL	Lower Springbok Sandstone	Ben Bow	SNT	Complete
383	OPR	-26.4335	149.3559		COTTAGE CREEK MULTI-LEVEL	Lower Juandah CM	Ben Bow	SNT	Complete
384	OPR	-26.4335	149.3559		COTTAGE CREEK MULTI-LEVEL	Lower Taroom CM	Ben Bow	SNT	Complete
382	OPR	-26.4335	149.3559		COTTAGE CREEK MULTI-LEVEL	Upper Juandah CM	Ben Bow	SNT	Complete
387	OPR	-26.4375	148.9212	160814A	BEVERLEY GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Beverley	SNT	Complete
677	OPR	-26.4392	148.9152		BEVERLEY MULTI-LEVEL	Hutton Sandstone	Beverley	SNT	Complete
389	OPR	-26.4392	148.9152		BEVERLEY MULTI-LEVEL	Lower Juandah CM	Beverley	SNT	Complete
390	OPR	-26.4392	148.9152		BEVERLEY MULTI-LEVEL	Taroom CM	Beverley	SNT	Complete
388	OPR	-26.4392	148.9152		BEVERLEY MULTI-LEVEL	Upper Juandah CM	Beverley	SNT	Complete
352	RPR	-26.5332	149.0546	160582A	BINBINETTE (GUBBERAMUNDA)	Gubberamunda Sandstone	Binbinette / Wingnut	SNT	2022
358	RPR	-26.5331	149.0548	160581A	BINBINETTE MULTI-LEVEL	Upper Hutton Sandstone	Binbinette / Wingnut	SNT	2022
357	RPR	-26.5331	149.0548	160581B	BINBINETTE MULTI-LEVEL	Taroom CM	Binbinette / Wingnut	SNT	2022
356	RPR	-26.5331	149.0548	160581C	BINBINETTE MULTI-LEVEL	Lower Juandah CM	Binbinette / Wingnut	SNT	2022
355	RPR	-26.5331	149.0548	160581D	BINBINETTE MULTI-LEVEL	Upper Juandah CM	Binbinette / Wingnut	SNT	2022
353	RPR	-26.5331	149.0548	160581E	BINBINETTE MULTI-LEVEL	Lower Springbok Sandstone	Binbinette / Wingnut	SNT	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
328	RPR	-26.6033	149.3932	160399A	BOXGROVE GROUNDWATER BORE 02 (MOOGA)	Mooga Sandstone	Boxgrove	SNT	2022
330	OPR	-26.6035	149.3931	160397A	BOXGROVE GROUNDWATER BORE 04 (GUBBERAMUNDA)	Gubberamunda Sandstone	Boxgrove	SNT	Complete
559	RPR	-25.1086	148.9111		Cattle Creek 2H	Clematis Sandstone	Cattle Creek	SNT	2022
560	OPR	-25.1086	148.9111	180008	CATTLE CREEK 4 GAUGE 1 (BANDANNA)	Bandanna Formation	Cattle Creek	SNT	Complete
335	RPL	-26.5830	148.8512	160668A	CARSLEA GROUNDWATER BORE 03 (SPRINGBOK)	Upper Springbok Sandstone	Damper Creek New	SNT	2022
803	RSC	-26.5830	148.8512			Gubberamunda Sandstone	Damper Creek New	SNT	2022
804	RSC	-26.5830	148.8512			Upper Hutton Sandstone	Damper Creek New	SNT	2022
809	RSC	-26.5830	148.8512			Lower Juandah CM	Damper Creek New	SNT	2022
807	RSC	-26.5830	148.8512			Upper Juandah CM	Damper Creek New	SNT	2022
587	RPL	-25.6223	148.9619	160784E	FAIRVIEW 119 OB1	Bandanna Formation	Fairview 119 OB1	SNT	2023
585	RPL	-25.6221	148.9619	160783A	FAIRVIEW GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 119 OB1	SNT	2023
1055	INT	-25.6726	148.9106	33433A	WADDY BRAE BORE	Precipice Sandstone	Fairview 119 OB1	SNT	Complete
547	OPR	-25.7537	149.0423	160700A	FAIRVIEW 289 OB1	Bandanna Formation	Fairview 289	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
682	OPR	-25.7256	149.0084		SPRINGWATER 12 OB1	Cattle Creek Formation	Fairview 289	SNT	Complete
545	OPR	-25.7539	149.0420	160780A	SPRINGWATER GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 289	SNT	Complete
577	OPR	-25.9265	148.6358	180010A	KARANA GROUNDWATER BORE 01 (BANDANNA)	Bandanna Formation	Karana	SNT	Complete
575	OPR	-25.9266	148.6359	160818A	KARANA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Karana	SNT	Complete
576	RPR	-25.9267	148.6359	160819A	KARANA GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Karana	SNT	2021
574	OPR	-25.9252	148.6232	180009A	TARINGA 2 GAUGE 1 (TAROON)	Taroom CM	Karana	SNT	Complete
686	OPR	-25.7310	148.8458	160661A	MOONAH GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	Moonah	SNT	Complete
762	RSC	-25.7237	148.8564			Bandanna Formation	Moonah	SNT	2022
680	RPL	-26.2952	148.6330	160683A	MOUNT EDEN 1 VWP	Taroom CM	Mount Eden	SNT	2022
456	RPL	-26.2952	148.6330	160683C	MOUNT EDEN 1 VWP	Lower Juandah CM	Mount Eden	SNT	2022
764	RSC	-26.2952	148.6330			Upper Hutton Sandstone	Mount Eden	SNT	2022
765	RSC	-26.2952	148.6330			Lower Springbok Sandstone	Mount Eden	SNT	2022
558	OPR	-25.2919	148.9283	160817A	ARCADIA BRANCH 2	Bandanna Formation	no nest	SNT	Complete
687	RPR	-25.9420	150.0744	160471	AVALON MAR OBSERVATION BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	2021

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
431	OPR	-26.3788	148.9634	160393A	BELBRI GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	no nest	SNT	Complete
332	OPR	-26.6034	149.3938	180006	BOXGROVE GROUNDWATER BORE 01 (UPPER JUANDAH)	Upper Juandah CM	no nest	SNT	Complete
554	OPR	-25.4896	148.9205	160816A	EMU NEST 1	Bandanna Formation	no nest	SNT	Complete
556	OPR	-25.4571	149.0441		HUNGRY CREEK 1 GAUGE 1 (BANDANNA)	Bandanna Formation	no nest	SNT	Complete
685	OPR	-25.7347	149.0829	160649	HUTTON CREEK MONITORING BORE 0902 (PRECIPICE)	Precipice Sandstone	no nest	SNT	Complete
711	OPR	-25.8766	150.0781	58608A	KELSALL BORE	Hutton Sandstone	no nest	SNT	Complete
555	RSC	-25.3898	149.0275		Lynd Range 1 Ob1	Clematis Sandstone	no nest	SNT	2022
584	OPR	-25.8245	148.7916	160660A	MOUNT HUTTON GROUNDWATER BORE 01 (HUTTON)	Hutton Sandstone	no nest	SNT	Complete
563	RPR	-24.8460	149.0977	57522A	MT NICHOLSON HOUSE BORE	Clematis Sandstone	no nest	SNT	2021
561	OPR	-24.8935	149.0941	57565A	MT NICHOLSON STEEL YARDS BORE	Clematis Sandstone	no nest	SNT	Complete
704	OPR	-26.4208	149.2035	58477A	Raymount House bore	Gubberamunda Sandstone	no nest	SNT	Complete
571	OPR	-26.9116	149.3940		ROSTOCK 1 MULTI-LEVEL	Springbok Sandstone	no nest	SNT	Complete
573	RPR	-26.9116	149.3940		ROSTOCK 1 MULTI-LEVEL	Lower Juandah CM	no nest	SNT	2022
572	OPR	-26.9116	149.3940		ROSTOCK 1 MULTI-LEVEL	Upper Juandah CM	no nest	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
858	OPR	-25.7628	148.7719	123532	SPRING ROCK DEDICATED BORE 03 (PRECIPICE)	Precipice Sandstone	no nest	SNT	Complete
865	RSC	-25.7440	148.7634		Springrock 3	Cattle Creek Formation	no nest	SNT	2022
1063	INT	-25.7310	148.9810	160650A	SPRINGWATER CENTRAL PLATEAU MONITORING BORE 0903 (PRECIPICE)	Precipice Sandstone	no nest	SNT	Complete
690	OPR	-25.7267	149.0183	160352	SPRINGWATER GROUNDWATER BORE 05 (PRECIPICE) û RN160352 û FV04-08	Precipice Sandstone	no nest	SNT	Complete
688	OPR	-25.7283	149.0819	160287	SPRINGWATER HUB BORE FV04-05	Precipice Sandstone	no nest	SNT	Complete
859	OPR	-25.7138	149.0436	160289A	SPRINGWATER ITZA BORE FV04-04	Precipice Sandstone	no nest	SNT	Complete
689	OPR	-25.7245	149.0695	123457	SPRINGWATER UMO YUMBA CAMP BORE	Precipice Sandstone	no nest	SNT	Complete
683	OPR	-25.7095	148.9516	160927	SPRINGWATER WEST PLATEAU MONITORING BORE 0904 (PRECIPICE)	Precipice Sandstone	no nest	SNT	Complete
607	RSC	-25.3570	148.7511		Wallaroo Creek 1	Bandanna Formation	no nest	SNT	2022
875	RSC	-25.7326	149.1028		YEBGWP02	Precipice Sandstone	no nest	SNT	2022
550	OPR	-25.6441	149.1648	160820A	YEBNA GROUNDWATER BORE 01 (CLEMATIS)	Clematis Sandstone	no nest	SNT	Complete
551	RPL	-25.6583	149.1410	160781A	YEBNA NORTH 2	Bandanna Formation	no nest	SNT	2022
873	RSC	-25.7361	148.8225			Precipice Sandstone	no nest	SNT	2022
1064	NEW	-25.7685	148.8195			Precipice Sandstone	no nest	SNT	2023

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1065	NEW	-25.8201	148.8187			Precipice Sandstone	no nest	SNT	2022
1066	NEW	-25.8189	148.8444			Precipice Sandstone	no nest	SNT	2022
768	OPR	-25.6574	148.6397		KIA ORA 2	Bandanna Formation	North Hutton Wallumbilla	SNT	Complete
769	OPR	-25.6589	148.6419		KIA ORA 3	Precipice Sandstone	North Hutton Wallumbilla	SNT	Complete
533	OPR	-25.7975	148.8635	160698C	FAIRVIEW 299 OB1	Bandanna Formation	OK Station	SNT	Complete
681	OPR	-25.7970	148.8630	160698D	FAIRVIEW 299 OB1	Cattle Creek Formation	OK Station	SNT	Complete
532	OPR	-25.7975	148.8637	180007	OK STATION GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	OK Station	SNT	Complete
1057	INT	-25.7897	148.8715		OKSGWP04	Precipice Sandstone	OK Station	SNT	Complete
1058	INT	-25.7984	148.8729		OKSGWP05	Precipice Sandstone	OK Station	SNT	Complete
364	OPR	-26.5059	149.7527	160583A	OLD BOGANDILLA GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	Old Bogandilla	SNT	Complete
371	OPR	-26.5060	149.7530	160813A	OLD BOGANDILLA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Old Bogandilla	SNT	Complete
366	OPR	-26.5059	149.7527	160812A	OLD BOGANDILLA GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Old Bogandilla	SNT	Complete
369	RSC	-26.5060	149.7530			Lower Juandah CM	Old Bogandilla	SNT	ATP 792*
370	RSC	-26.5060	149.7530			Taroom CM	Old Bogandilla	SNT	ATP 792*

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
368	RSC	-26.5060	149.7530			Upper Juandah CM	Old Bogandilla	SNT	ATP 792*
709	OPR	-26.4283	149.2171		RAYMOUNT MULTI-LEVEL	Hutton Sandstone	Raymount	SNT	Complete
705	OPR	-26.4283	149.2171		RAYMOUNT MULTI-LEVEL	Lower Springbok Sandstone	Raymount	SNT	Complete
707	OPR	-26.4283	149.2171		RAYMOUNT MULTI-LEVEL	Lower Juandah CM	Raymount	SNT	Complete
708	OPR	-26.4283	149.2171		RAYMOUNT MULTI-LEVEL	Taroom CM	Raymount	SNT	Complete
706	OPR	-26.4283	149.2171		RAYMOUNT MULTI-LEVEL	Upper Juandah CM	Raymount	SNT	Complete
864	OPR	-25.9705	150.0973		Scotia 30	Bandanna Formation	Scotia 30	SNT	Complete
872	OPR	-25.9762	150.0936		Woodroyd 3	Precipice Sandstone	Scotia 30	SNT	Complete
582	RPL	-25.9297	150.0297	160782E	SCOTIA 34	Bandanna Formation	Scotia 34	SNT	2022
528	OPR	-25.7996	149.0648	160832A	Fairview 188 OB2	Bandanna Formation	Strathblane	SNT	Complete
527	OPR	-25.7995	149.0646	160667A	STRATHBLANE GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Strathblane	SNT	Complete
1056	NEW	-25.7864	148.8458			Bandanna Formation	VW0902	SNT	2022
874	RSC	-25.7864	148.8458			Precipice Sandstone	VW0902	SNT	2022
540	OPR	-25.7544	148.8077	160653B	VW0903 VWP (PRECIPICE 1)	Precipice Sandstone	VW0903 VWP (Precipice 1)	SNT	Complete
274	OPR	-26.7825	149.1969	160402A	WALLABELLA GROUNDWATER BORE 06 (GUBBERAMUNDA)	Gubberamunda Sandstone	Wallabella	SNT	Complete
280	RPR	-26.7874	149.2012		WALLABELLA MULTI-LEVEL	Hutton Sandstone	Wallabella	SNT	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
276	RPR	-26.7874	149.2012		WALLABELLA MULTI-LEVEL	Springbok Sandstone	Wallabella	SNT	2022
278	RPR	-26.7874	149.2012		WALLABELLA MULTI-LEVEL	Lower Juandah CM	Wallabella	SNT	2022
279	RPR	-26.7874	149.2012		WALLABELLA MULTI-LEVEL	Taroom CM	Wallabella	SNT	2022
277	RPR	-26.7874	149.2012		WALLABELLA MULTI-LEVEL	Upper Juandah CM	Wallabella	SNT	2022
829	RSC	-26.4000	149.0300			Gubberamunda Sandstone	West Armidale	SNT	2021
824	RSC	-26.4000	149.0300			Upper Hutton Sandstone	West Armidale	SNT	2021
825	RSC	-26.4000	149.0300			Lower Springbok Sandstone	West Armidale	SNT	2021
827	RSC	-26.4000	149.0300			Lower Juandah CM	West Armidale	SNT	2021
828	RSC	-26.4000	149.0300			Taroom CM	West Armidale	SNT	2021
826	RSC	-26.4000	149.0300			Upper Juandah CM	West Armidale	SNT	2021
837	RSC	-25.8690	148.7760			Boxvale Sandstone Member	West Hutton Wallumbilla	SNT	2021
838	RSC	-25.8690	148.7760			Lower Hutton Sandstone	West Hutton Wallumbilla	SNT	2021
839	RSC	-25.8690	148.7760			Precipice Sandstone	West Hutton Wallumbilla	SNT	2021
553	OPR	-25.6076	148.7650	160815A	FAIRVIEW 412 OB1	Bandanna Formation	Wyndham	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
552	OPR	-25.6075	148.7654	160787A	WYNDHAM GROUNDWATER BORE 01 (CLEMATIS)	Clematis Sandstone	Wyndham	SNT	Complete
543	OPR	-25.7347	149.1255	160833D	Fairview 291 OB1	Bandanna Formation	Yebna	SNT	Complete
541	OPR	-25.7345	149.1252	160779A	YEBNA GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Yebna	SNT	Complete
703	RSC	-26.2148	148.9385		Dione-11M	Upper Hutton Sandstone	Dione-11M	SNX	2022
798	RSC	-26.2148	148.9385		Dione-11M	Lower Springbok Sandstone	Dione-11M	SNX	2022
800	RSC	-26.2148	148.9385		Dione-11M	Lower Juandah CM	Dione-11M	SNX	2022
801	RSC	-26.2148	148.9385		Dione-11M	Taroom CM	Dione-11M	SNX	2022
799	RSC	-26.2148	148.9385		Dione-11M	Upper Juandah CM	Dione-11M	SNX	2022
721	RSC	-26.1890	148.9890			Upper Hutton Sandstone	Dione-12M	SNX	2022
723	RSC	-26.1890	148.9890			Lower Juandah CM	Dione-12M	SNX	2022
724	RSC	-26.1890	148.9890			Taroom CM	Dione-12M	SNX	2022
722	RSC	-26.1890	148.9890			Upper Juandah CM	Dione-12M	SNX	2022
696	OPR	-26.3031	149.1081	160989A	Glenora-4M	Upper Hutton Sandstone	Glenora-4M/6M	SNX	Complete
695	OPR	-26.3031	149.1081	160989B1	Glenora-4M	Taroom CM	Glenora-4M/6M	SNX	Complete
694	OPR	-26.3031	149.1081	160989C1	Glenora-4M	Lower Juandah CM	Glenora-4M/6M	SNX	Complete
693	OPR	-26.3031	149.1081	160989D	Glenora-4M	Upper Juandah CM	Glenora-4M/6M	SNX	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
692	OPR	-26.3031	149.1081	160989E1	Glenora-4M	Lower Springbok Sandstone	Glenora-4M/6M	SNX	Complete
691	OPR	-26.3032	149.1079	160924A	Glenora-6M	Gubberamunda Sandstone	Glenora-4M/6M	SNX	Complete
702	OPR	-26.3007	148.8517	180051A	Tethys-6M	Upper Hutton Sandstone	Tethys-6M	SNX	Complete
701	OPR	-26.3007	148.8517	180051B	Tethys-6M	Taroom CM	Tethys-6M	SNX	Complete
700	OPR	-26.3007	148.8517	180051C	Tethys-6M	Lower Juandah CM	Tethys-6M	SNX	Complete
699	OPR	-26.3007	148.8517	180051D	Tethys-6M	Upper Juandah CM	Tethys-6M	SNX	Complete
698	OPR	-26.3007	148.8517	180051E	Tethys-6M	Lower Springbok Sandstone	Tethys-6M	SNX	Complete
697	OPR	-26.3007	148.8519	180050A	Tethys-7M	Gubberamunda Sandstone	Tethys-6M	SNX	Complete
1067	INT	-26.2169	150.1998		THE_RANGE_MB2	Taroom CM	no nest	SNC	Complete
1068	INT	-26.2086	150.2484		THE_RANGE_MB4	Taroom CM	no nest	SNC	Complete
1069	INT	-26.1853	150.2148		THE_RANGE_MB5	Taroom CM	no nest	SNC	Complete
1070	NEW	-26.1853	150.2148			Upper Hutton Sandstone	no nest	SNC	Mine*
26	OPR	-27.5973	150.8963	160554A	GilbertGully-MB1-G	Gubberamunda Sandstone	GilbertGully-MB3-W	TRI	Complete
28	OPR	-27.5975	150.8964	160728A	GilbertGully-MB2-S	Lower Springbok Sandstone	GilbertGully-MB3-W	TRI	Complete
32	RPR	-27.5983	150.8988	160752A	GilbertGully-MB3-W	Taroom CM	GilbertGully-MB3-W	TRI	2022
31	RPR	-27.5983	150.8988	160752B	GilbertGully-MB3-W	Lower Juandah CM	GilbertGully-MB3-W	TRI	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
30	RPR	-27.5983	150.8988	160752C	GilbertGully-MB3-W	Upper Juandah CM	GilbertGully-MB3-W	TRI	2022
8	OPR	-27.7948	150.9438	160670A	WaarWaar-MB2-S	Springbok Sandstone	WaarWaar	TRI	Complete
13	OPR	-27.7948	150.9443	160724A	WaarWaar-MB3-H	Hutton Sandstone	WaarWaar	TRI	Complete
1	OPR	-27.9667	150.9196	160541A	ZigZag-MB1-G	Gubberamunda Sandstone	ZigZag	TRI	Complete
7	RPR	-27.9650	150.9232	160797A	ZigZag-MB3-W	Taroom CM	ZigZag	TRI	2022
6	RPR	-27.9650	150.9232	160797B	ZigZag-MB3-W	Lower Juandah CM	ZigZag	TRI	2022
5	RPR	-27.9650	150.9232	160797C	ZigZag-MB3-W	Upper Juandah CM	ZigZag	TRI	2022
3	OPR	-27.9651	150.9236	160886A	ZigZag-MB4-S	Lower Springbok Sandstone	ZigZag	TRI	Complete
1089	INT	-26.6197	150.3395	168040A	CAMEBY_DOWNS_CD036R	Upper Juandah CM	no nest	YAN	Complete
1100	INT	-26.6303	150.3534		CAMEBY_DOWNS_CD056	Upper Juandah CM	no nest	YAN	Complete
1090	INT	-26.6135	150.3482		CAMEBY_DOWNS_CD065	Upper Juandah CM	no nest	YAN	Complete
1091	INT	-26.6637	150.3301	123706A	CAMEBY_DOWNS_MB03R	Upper Juandah CM	no nest	YAN	Complete
1092	INT	-26.6590	150.3899	123708A	CAMEBY_DOWNS_MB05	Upper Juandah CM	no nest	YAN	Complete
1093	INT	-26.6178	150.3163	123709A	CAMEBY_DOWNS_MB06	Upper Juandah CM	no nest	YAN	Complete
1167	INT	-26.6260	150.3329		CAMEBY_DOWNS_MB07	Upper Juandah CM	no nest	YAN	Complete
1094	INT	-26.6450	150.3385	123711A	CAMEBY_DOWNS_MB08A	Upper Juandah CM	no nest	YAN	Complete
1095	INT	-26.6450	150.3385	123712A	CAMEBY_DOWNS_MB08B	Lower Springbok Sandstone	no nest	YAN	Complete
1096	INT	-26.6615	150.3358	123714A	CAMEBY_DOWNS_MB10A	Lower Springbok Sandstone	no nest	YAN	Complete
1097	INT	-26.6615	150.3357	123715A	CAMEBY_DOWNS_MB10B	Alluvium	no nest	YAN	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
1098	INT	-26.6635	150.3515	123716A	CAMEBY_DOWNS_MB12A	Lower Springbok Sandstone	no nest	YAN	Complete
1099	INT	-26.6636	150.3514	123717A	CAMEBY_DOWNS_MB12B	Alluvium	no nest	YAN	Complete

Appendix 1.2 Groundwater chemistry monitoring network

Table A1-3: Detailed version of the groundwater chemistry network

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
477	RPL	-26.2429	150.0500	160677A	Burunga Lane-176	Lower Hutton Sandstone	Burunga Lane	ARR	2022
39	OPR	-27.5330	151.3665	160657A	Carn Brea-17	Condamine Alluvium	Carn Brea South	ARR	Complete
41	OPR	-27.5330	151.3663	160688C	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	Complete
45	OPR	-27.5330	151.3662	160689B	Carn Brea-19	Upper Hutton Sandstone	Carn Brea South	ARR	Complete
183	OPR	-27.1004	150.9557	160350A	Daandine-121	Hutton Sandstone	Daandine 121	ARR	Complete
282	OPR	-26.7422	150.6799	42230209A	RN 42230209	Condamine Alluvium	Dundee 20	ARR	Complete
739	OPR	-27.7202	151.1565	160941A	Glenburnie-18	Lower Hutton Sandstone	Glenburnie-18	ARR	Complete
52	OPR	-27.4915	151.3932	42231370A	RN 42231370	Condamine Alluvium	no nest	ARR	Complete
790	OPR	-27.3868	151.2160	180046A	Plainview 36	Lower Springbok Sandstone	Plainview	ARR	Complete
623	OPR	-27.1989	151.0268	160871A	Stratheden-63	Lower Springbok Sandstone	Stratheden-63	ARR	Complete
85	OPR	-27.3205	151.2054	160717A	Tipton-195	Condamine Alluvium	Tipton	ARR	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
89	OPR	-27.3202	151.2053	160751C	Tipton-197	Upper Juandah CM	Tipton	ARR	Complete
830	RSC	-27.3830	151.1730			Lower Springbok Sandstone	West Horrane	ARR	2021
248	OPR	-26.8662	150.7550	160642A	Wyalla-16	Condamine Alluvium	Wyalla	ARR	Complete
482	OPR	-26.2272	149.5631	160851A	Combabula 14	Walloon CM	Combabula A	ORG	Complete
481	OPR	-26.2310	149.5645	160664A	Combabula MB2-S	Lower Springbok Sandstone	Combabula A	ORG	Complete
219	OPR	-26.9417	150.2119	160627A	Condabri MB4-S	Upper Springbok Sandstone	Con140	ORG	Complete
315	OPR	-26.6864	150.2307	160850A	Condabri North 24	Walloon CM	Condabri MB10	ORG	Complete
716	OPR	-26.6840	150.2257	160953	Condabri-INJ4-H	Hutton Sandstone	Condabri MB10	ORG	Complete
319	OPR	-26.6840	150.2262	160680A	Condabri-INJ5-P	Precipice Sandstone	Condabri MB10	ORG	Complete
718	OPR	-26.7862	150.2264	160951	Condabri-INJ1-H	Hutton Sandstone	Condabri MB12	ORG	Complete
313	OPR	-26.6295	150.1455	160194A	Dalwogan MB2-S	Upper Springbok Sandstone	Dalwogan 12	ORG	Complete
345	OPR	-26.5536	150.1040	160193A	Dalwogan MB4-S	Upper Springbok Sandstone	Dalwogan MB6	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
176	OPR	-27.1083	150.2213	160681A	Duke 25	Springbok Sandstone	Duke	ORG	Complete
171	OPR	-27.1083	150.3942	160682A	Duke 27	Springbok Sandstone	Ironbark MB1	ORG	Complete
187	OPR	-27.0395	150.7806	160564A	Kainama MB2-S	Lower Springbok Sandstone	Kainama-MB1-W	ORG	Complete
407	OPR	-26.4032	149.5825	160777A	Lucky Gully MB2-S	Upper Springbok Sandstone	Lucky Gully	ORG	Complete
451	OPR	-26.3202	149.2628	160507A	Muggleton MB2-S	Lower Springbok Sandstone	Muggleton / Pine Hills	ORG	Complete
311	OPR	-26.6350	149.6834	160723A	Carinya MB2-S	Upper Springbok Sandstone	no nest	ORG	Complete
306	OPR	-26.7141	149.9995	160792A	Carinya MB4-S	Upper Springbok Sandstone	no nest	ORG	Complete
221	OPR	-26.9311	150.2140	160849A	Condabri 16	Lower Juandah CM	no nest	ORG	Complete
260	OPR	-26.8061	150.1819	160758A	Condabri 263	Walloon CM	no nest	ORG	Complete
259	OPR	-26.8085	150.1710	160734A	Condabri MB2-S	Upper Springbok Sandstone	no nest	ORG	Complete
202	OPR	-27.0358	150.3061	160665A	Condabri MB6-S	Upper Springbok Sandstone	no nest	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
265	OPR	-26.8079	150.1708	160655A	Condabri-MB9-H	Upper Hutton Sandstone	no nest	ORG	Complete
499	OPR	-26.0564	149.1691	160830A	Durham Ranch 131	Bandanna Formation	no nest	ORG	Complete
453	OPR	-26.1799	149.1448	14395A	Meeleebee Downs Salty Bore	Upper Juandah CM	no nest	ORG	Complete
487	OPR	-26.2227	149.1654	160862A	Meeleebee MB1-S	Springbok Sandstone	no nest	ORG	Complete
492	OPR	-26.2218	149.1652	160972A	Meeleebee MB2-H	Hutton Sandstone	no nest	ORG	Complete
856	OPR	-26.3404	149.3884	160965	Reedy Creek-INJ3-H	Hutton Sandstone	no nest	ORG	Complete
857	OPR	-25.8666	149.2170	160793	Spring Gully MB17-H	Hutton Sandstone	no nest	ORG	Complete
530	OPR	-25.8375	148.8510	160736A	Spring Gully PB1	Precipice Sandstone	no nest	ORG	Complete
852	RPL	-26.0189	148.9895	160971A	Spring Gully PB6	Precipice Sandstone	no nest	ORG	2022
272	OPR	-26.7580	150.3603	160693A	Talinga MB11-S	Upper Springbok Sandstone	no nest	ORG	Complete
860	OPR	-26.8490	150.3388	160975	Talinga MB2-S	Springbok Sandstone	no nest	ORG	Complete
267	OPR	-26.8086	150.5407	160977A	Orana MB6-H	Hutton Sandstone	Orana MB5	ORG	Complete
287	OPR	-26.7419	150.4252	160547A	Orana MB15-S	Springbok Sandstone	Orana MB7	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
844	RSC	-26.1260	150.1260			Bandanna Formation	Peat 16	ORG	2022
845	RSC	-26.1260	150.1260			Precipice Sandstone	Peat 16	ORG	2022
441	OPR	-26.3581	149.4235	160766A	Reedy Creek 6J	Juandah CM	Reedy Creek B	ORG	Complete
439	OPR	-26.3563	149.4267	160187A	Reedy Creek MB2-S	Springbok Sandstone	Reedy creek B	ORG	Complete
445	OPR	-26.3577	149.4266	160546A	Reedy Creek MB3-H	Hutton Sandstone	Reedy Creek B	ORG	Complete
817	OPR	-26.0750	149.0137	160178	Spring Gully MB4-H	Hutton Sandstone	Spring Gully PB3	ORG	Complete
590	OPR	-26.0751	149.0138	160737A	Spring Gully PB3	Precipice Sandstone	Spring Gully PB3	ORG	Complete
243	OPR	-26.8924	150.3689	160634A	Talinga MB3-H	Hutton Sandstone	Talinga MB8	ORG	Complete
235	OPR	-26.8930	150.3703	160050A	Talinga MB7-S	Upper Springbok Sandstone	Talinga MB8	ORG	Complete
111	RSC	-27.2414	150.3420		Ironbark MB3-S	Lower Springbok Sandstone	West Tara	ORG	2025
116	RSC	-27.2412	150.3408		Ironbark MB5-H	Upper Hutton Sandstone	West Tara	ORG	2025
434	OPR	-26.3857	149.8478	160631A	Woleebee MB3-S	Upper Springbok Sandstone	Woleebee MB	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
294	OPR	-26.6908	150.2670	160526A	Bellevue GW2	Upper Springbok Sandstone	Bellevue 1M	QGC	Complete
255	OPR	-26.8470	150.3001	160515A	Berwyndale South GW2	Upper Springbok Sandstone	Berwyndale south	QGC	Complete
107	OPR	-27.2714	151.0704	160600A	Broadwater GW15	Hutton Sandstone	Broadwater	QGC	Complete
102	OPR	-27.2714	151.0705	160635A	Broadwater GW4	Lower Springbok Sandstone	Broadwater	QGC	Complete
713	OPR	-26.0301	149.6564	160714	Charlie GW1	Hutton Sandstone	Charlie	QGC	Complete
523	OPR	-25.9089	149.5400	160509A	Charlotte GW1	Hutton Sandstone	Charlotte	QGC	Complete
525	OPR	-25.9089	149.5401	160508A	Charlotte GW2	Precipice Sandstone	Charlotte	QGC	Complete
539	OPR	-25.7635	149.9772	160473A	Coochiemudlo GW1	Hutton Sandstone	Coochiemudlo	QGC	Complete
742	RSC	-26.9493	150.4436		Kenya 250	Upper Hutton Sandstone	Kenya GW3	QGC	2021
211	OPR	-26.9493	150.4437	160597A	Kenya GW2	Upper Springbok Sandstone	Kenya GW3	QGC	Complete
20	OPR	-27.5485	150.8055	180027	Massie 7	Hutton Sandstone	Massie 8	QGC	Complete
193	OPR	-27.0286	150.5485	160518A	Kenya East GW1	Gubberamunda Sandstone	no nest	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
195	OPR	-27.0284	150.5486	160519A	Kenya East GW2	Upper Springbok Sandstone	no nest	QGC	Complete
853	OPR	-26.9559	150.3565	160517	Lauren GW2	Upper Springbok Sandstone	no nest	QGC	Complete
153	OPR	-27.1712	150.7823	160521A	Poppy GW2	Lower Springbok Sandstone	no nest	QGC	Complete
414	OPR	-26.3657	149.9787	160694A	Peebs GW18	Upper Springbok Sandstone	Peebs	QGC	Complete
794	OPR	-26.1568	149.7998	160853D	Polaris GW24	Upper Springbok Sandstone	Polaris GW24	QGC	Complete
664	OPR	-27.1661	150.8640	180017A	RubyJo 228	Westbourne Formation	Ruby jo	QGC	Complete
811	RSC	-27.1337	150.7746		Sean 178	Lower Springbok Sandstone	Sean 17M	QGC	2022
458	OPR	-26.2820	149.7149	160522A	Woleebee Creek GW1	Gubberamund a Sandstone	Woleebee Creek GW	QGC	Complete
468	OPR	-26.2819	149.7142	160433A	Woleebee Creek GW3	Hutton Sandstone	Woleebee Creek GW	QGC	Complete
668	RPL	-26.2819	149.7142	160441	Woleebee Creek GW4	Precipice Sandstone	Woleebee Creek GW	QGC	2022
460	OPR	-26.2819	149.7144	160430A	Woleebee Creek GW9	Lower Springbok Sandstone	Woleebee Creek GW	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
420	OPR	-26.3872	149.1257	160823A	ARMIDALE GROUNDWATER BORE 01 (SPRINGBOK)	Lower Springbok Sandstone	Armidale	SNT	Complete
588	OPR	-25.6333	148.9645	160834A	FAIRVIEW 95	Bandanna Formation	Fairview 119 OB1	SNT	Complete
546	OPR	-25.7539	149.0420	160780A	SPRINGWATER GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 289	SNT	Complete
534	OPR	-25.7658	148.8936	160778A	FAIRVIEW 205	Bandanna Formation	FV205	SNT	Complete
760	RSC	-25.7237	148.8564			Bandanna Formation	Moonah	SNT	2022
761	OPR	-25.7310	148.8458	160661A	MOONAH GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	Moonah	SNT	Complete
710	OPR	-26.3225	148.8975		123050	Hutton Sandstone	no nest	SNT	Complete
846	RSC	-25.7361	148.8225			Precipice Sandstone	no nest	SNT	2022
548	OPR	-25.7288	148.9867	160715A	FAIRVIEW 185	Bandanna Formation	no nest	SNT	Complete
544	OPR	-25.8023	149.0897	160716A	FAIRVIEW 275	Bandanna Formation	no nest	SNT	Complete
854	OPR	-25.8245	148.7913	160506A	MOUNT HUTTON GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	Complete
767	RSC	-25.6590	148.6417		KIA ORA 3	Precipice Sandstone	North Hutton Wallumbilla	SNT	2022

OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
770	OPR	-25.7975	148.8635		FV15-08 1	Bandanna Formation	OK Station	SNT	Complete
372	OPR	-26.5060	149.7530	160813A	OLD BOGANDILLA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Old Bogandilla	SNT	Complete
367	OPR	-26.5059	149.7527	160812A	OLD BOGANDILLA GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Old Bogandilla	SNT	Complete
29	OPR	-27.5975	150.8964	160728A	GilbertGully-MB2-S	Lower Springbok Sandstone	GilbertGully-MB3-W	TRI	Complete
9	OPR	-27.7948	150.9438	160670A	WaarWaar-MB2-S	Springbok Sandstone	WaarWaar	TRI	Complete
4	OPR	-27.9651	150.9236	160886A	ZigZag-MB4-S	Lower Springbok Sandstone	ZigZag	TRI	Complete

Appendix 1.3 Production well groundwater chemistry monitoring network

Table A1-4: Detailed version of the production well groundwater chemistry network

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
894	OPR	-27.1051	150.9650	Daandine-36	Juandah CM	Daandine 121	ARR	Complete
895	OPR	-27.0986	150.9655	Daandine-37T	Taroom CM	Daandine 121	ARR	Complete
909	OPR	-27.1466	151.0032	Daandine-99	Walloon CM	no nest	ARR	Complete
900	OPR	-27.0558	150.9096	Kogan North-44T	Taroom CM	no nest	ARR	Complete
896	OPR	-27.0336	150.9341	Kogan North-55	Walloon CM	no nest	ARR	Complete
904	OPR	-27.3623	151.1578	Tipton-115	Juandah CM	no nest	ARR	Complete
908	OPR	-27.4523	151.1284	Tipton-120	Taroom CM	no nest	ARR	Complete
902	OPR	-27.4522	151.1314	Tipton-121	Taroom CM	no nest	ARR	Complete
903	OPR	-27.4243	151.1683	Tipton-139	Walloon CM	no nest	ARR	Complete
901	OPR	-27.3765	151.1491	Tipton-33	Juandah CM	no nest	ARR	Complete
905	OPR	-27.3812	151.1244	Tipton-38	Juandah CM	no nest	ARR	Complete
906	OPR	-27.3814	151.1242	Tipton-38T	Taroom CM	no nest	ARR	Complete
915	OPR	-26.1006	149.4309	Clifford East 24	Walloon CM	no nest	ORG	Complete
920	OPR	-26.2592	149.5280	Combabula 190	Walloon CM	no nest	ORG	Complete
923	OPR	-26.2855	149.4029	Combabula 256	Walloon CM	no nest	ORG	Complete
922	OPR	-26.2886	149.4570	Combabula 281	Walloon CM	no nest	ORG	Complete
921	OPR	-26.3071	149.5203	Combabula 445	Walloon CM	no nest	ORG	Complete
916	OPR	-26.1696	149.5358	Combabula North 110	Walloon CM	no nest	ORG	Complete
925	OPR	-26.9947	150.2429	Condabri 189	Walloon CM	no nest	ORG	Complete
926	OPR	-26.7724	150.1971	Condabri 363	Walloon CM	no nest	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
924	OPR	-26.8550	150.2160	Condabri 423	Walloon CM	no nest	ORG	Complete
917	OPR	-26.6010	150.2303	Condabri North 170	Walloon CM	no nest	ORG	Complete
919	OPR	-27.0301	150.2340	Condabri South 172	Walloon CM	no nest	ORG	Complete
918	OPR	-27.0078	150.2851	Condabri South 35	Walloon CM	no nest	ORG	Complete
928	OPR	-26.0321	149.1231	Durham Ranch 10	Bandanna Formation	no nest	ORG	Complete
931	OPR	-26.1165	149.1893	Durham Ranch 187	Bandanna Formation	no nest	ORG	Complete
932	OPR	-26.1293	149.1657	Durham Ranch 207	Bandanna Formation	no nest	ORG	Complete
934	OPR	-25.8883	149.0069	Durham Ranch 272	Bandanna Formation	no nest	ORG	Complete
933	OPR	-26.0051	149.0507	Durham Ranch 275V	Bandanna Formation	no nest	ORG	Complete
927	OPR	-25.9936	149.1008	Durham Ranch 69	Bandanna Formation	no nest	ORG	Complete
930	OPR	-25.8472	149.0415	Durham Ranch 95	Bandanna Formation	no nest	ORG	Complete
937	OPR	-26.9531	150.5121	Orana 96	Walloon CM	no nest	ORG	Complete
936	OPR	-26.8137	150.5154	Orana North 154	Walloon CM	no nest	ORG	Complete
938	OPR	-26.0093	150.0620	Peat 440	Bandanna Formation	no nest	ORG	Complete
939	OPR	-26.2230	149.3966	Pine Hills 49	Walloon CM	no nest	ORG	Complete
401	RSC	-26.4527	149.7087	Ramyard 19-CW	Walloon CM	no nest	ORG	2029 UPC
940	OPR	-26.3549	149.4212	Reedy Creek 5	Walloon CM	no nest	ORG	Complete
941	OPR	-26.3336	149.4017	Reedy Creek 59	Walloon CM	no nest	ORG	Complete
943	OPR	-25.9387	149.1766	Spring Gully 109	Bandanna Formation	no nest	ORG	Complete
929	OPR	-25.9602	149.0937	Spring Gully 18	Bandanna Formation	no nest	ORG	Complete
942	OPR	-25.8821	149.1210	Spring Gully 8	Bandanna Formation	no nest	ORG	Complete
935	OPR	-25.8391	149.1654	Spring Gully 94	Bandanna Formation	no nest	ORG	Complete
782	OPR	-26.7987	150.4083	Talinga 156	Walloon CM	no nest	ORG	Complete

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
945	OPR	-26.7582	150.3612	Talinga 251	Walloon CM	no nest	ORG	Complete
944	OPR	-26.8864	150.3618	Talinga 36	Walloon CM	no nest	ORG	Complete
912	OPR	-26.8801	150.5055	Orana North 14	Walloon CM	Orana MB4	ORG	Complete
913	OPR	-26.7417	150.4220	Talinga 288	Walloon CM	Orana MB7	ORG	Complete
914	OPR	-25.9242	148.9859	Durham Ranch 315	Bandanna Formation	SpringGully-MB1-B	ORG	Complete
950	OPR	-26.8468	150.3002	Berwyndale South 50	Walloon CM	Berwyndale south	QGC	Complete
951	OPR	-27.2908	151.0706	Broadwater 162	Walloon CM	Broadwater	QGC	Complete
952	OPR	-26.9534	150.4582	Kenya 150	Upper Juandah CM	Kenya GW3	QGC	Complete
953	OPR	-26.0672	149.7673	Acrux 149	Walloon CM	no nest	QGC	Complete
954	OPR	-26.8645	150.4750	Argyle 163	Walloon CM	no nest	QGC	Complete
955	OPR	-26.0827	149.5774	Arthur 108	Walloon CM	no nest	QGC	Complete
956	OPR	-26.6489	150.3598	Avon Downs 184	Walloon CM	no nest	QGC	Complete
957	OPR	-26.6754	150.2885	Bellevue 111	Walloon CM	no nest	QGC	Complete
958	OPR	-26.7275	150.3090	Bellevue 3	Walloon CM	no nest	QGC	Complete
959	OPR	-26.7742	150.2835	Berwyndale 8	Walloon CM	no nest	QGC	Complete
1059	INT	-26.9004	150.3221	Berwyndale South 56	Walloon CM	no nest	QGC	Complete
960	OPR	-25.9893	149.7061	Bloodworth 170	Walloon CM	no nest	QGC	Complete
961	OPR	-25.9857	149.5723	Borrowdale 166	Walloon CM	no nest	QGC	Complete
962	OPR	-26.2454	149.7093	Cam 223	Walloon CM	no nest	QGC	Complete
963	OPR	-26.1606	149.6820	Cameron 220	Walloon CM	no nest	QGC	Complete
964	OPR	-27.1933	150.7225	Celeste 148	Walloon CM	no nest	QGC	Complete
998	RSC	-27.2560	150.6600	Celeste 2016 or Celeste 206	Walloon CM	no nest	QGC	2022

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
965	OPR	-26.0241	149.6383	Charlie 129	Walloon CM	no nest	QGC	Complete
966	OPR	-27.2619	150.8987	Clunie 111	Walloon CM	no nest	QGC	Complete
967	OPR	-27.0158	150.3775	Codie 6	Walloon CM	no nest	QGC	Complete
968	OPR	-27.1294	150.8705	David 167	Walloon CM	no nest	QGC	Complete
969	OPR	-27.3588	150.9606	Glendower 132	Walloon CM	no nest	QGC	Complete
970	OPR	-27.4040	150.9376	Glendower 205	Walloon CM	no nest	QGC	Complete
971	OPR	-25.9970	149.6305	Golden Grove 163	Walloon CM	no nest	QGC	Complete
972	OPR	-27.3426	151.0578	Harry 122	Walloon CM	no nest	QGC	Complete
973	OPR	-27.2114	150.9645	Isabella 164	Walloon CM	no nest	QGC	Complete
974	OPR	-27.2352	150.9237	Isabella 199	Walloon CM	no nest	QGC	Complete
975	OPR	-27.2475	150.9814	Isabella 221	Walloon CM	no nest	QGC	Complete
976	OPR	-27.0316	150.6079	Jammat 148	Walloon CM	no nest	QGC	Complete
977	OPR	-27.2776	150.9659	Jen 118	Walloon CM	no nest	QGC	Complete
978	OPR	-27.2555	150.9358	Jen 132	Walloon CM	no nest	QGC	Complete
979	OPR	-27.0457	150.4746	Kate 3	Walloon CM	no nest	QGC	Complete
980	OPR	-26.2086	149.6301	Kathleen 156	Walloon CM	no nest	QGC	Complete
981	OPR	-26.9762	150.4518	Kenya 5	Walloon CM	no nest	QGC	Complete
982	OPR	-27.0328	150.5508	Kenya East 154	Walloon CM	no nest	QGC	Complete
983	OPR	-26.9660	150.3750	Lauren 36	Walloon CM	no nest	QGC	Complete
984	OPR	-26.2999	149.7521	Mandal 173	Walloon CM	no nest	QGC	Complete
985	OPR	-26.9512	150.2694	Matilda-John 153	Walloon CM	no nest	QGC	Complete
986	OPR	-26.9596	150.3301	Matilda-John 179	Walloon CM	no nest	QGC	Complete
988	OPR	-26.7191	150.3843	McNulty 184	Walloon CM	no nest	QGC	Complete

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
989	OPR	-26.9852	150.6466	Owen 208	Walloon CM	no nest	QGC	Complete
990	OPR	-26.0161	149.5725	Penrhyn 233	Walloon CM	no nest	QGC	Complete
991	OPR	-26.0939	149.6037	Phillip 115	Walloon CM	no nest	QGC	Complete
992	OPR	-26.1353	149.7898	Polaris 184	Walloon CM	no nest	QGC	Complete
993	OPR	-26.0350	149.6822	Portsmouth 231	Walloon CM	no nest	QGC	Complete
994	OPR	-26.2834	149.6356	Ross 156	Walloon CM	no nest	QGC	Complete
995	OPR	-27.2127	150.8717	RubyJo 183	Walloon CM	no nest	QGC	Complete
996	OPR	-27.1209	150.7770	Sean 142	Walloon CM	no nest	QGC	Complete
997	OPR	-26.2808	149.7251	Woleebee Creek 150	Walloon CM	Woleebee Creek GW	QGC	Complete
999	OPR	-26.3873	149.1304	RM03-61 1	Walloon CM	Armidale	SNT	Complete
1000	RPL	-25.7637	149.0425	FAIRVIEW 252	Bandanna Formation	Fairview 289	SNT	2022
1001	OPR	-25.2323	148.9019	AC18-97 6	Bandanna Formation	no nest	SNT	Complete
1003	OPR	-25.3573	148.8509	AC23-35 1	Bandanna Formation	no nest	SNT	Complete
1031	OPR	-26.4411	149.3893	BEN BOW 3	Walloon CM	no nest	SNT	Complete
1032	OPR	-26.4468	149.3815	BEN BOW 4	Walloon CM	no nest	SNT	Complete
1020	OPR	-26.3531	149.1501	COXON CREEK EAST 1	Walloon CM	no nest	SNT	Complete
1034	OPR	-25.9480	150.0511	Daldowie 6	Bandanna Formation	no nest	SNT	Complete
1013	OPR	-25.7922	148.9648	FAIRVIEW 127	Bandanna Formation	no nest	SNT	Complete
1010	OPR	-25.6839	149.0242	FAIRVIEW 141	Bandanna Formation	no nest	SNT	Complete
1007	OPR	-25.6761	148.9791	Fairview 168	Bandanna Formation	no nest	SNT	Complete
1006	OPR	-25.6492	148.9298	Fairview 36	Bandanna Formation	no nest	SNT	Complete
1009	OPR	-25.6791	148.8960	Fairview 42	Bandanna Formation	no nest	SNT	Complete
1004	OPR	-25.6021	148.9013	Fairview 502	Bandanna Formation	no nest	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
1005	OPR	-25.5928	148.9473	Fairview 506	Bandanna Formation	no nest	SNT	Complete
1008	OPR	-25.6382	149.1393	FV08-18 1	Bandanna Formation	no nest	SNT	Complete
1011	OPR	-25.7168	149.1061	FV13-14 8	Bandanna Formation	no nest	SNT	Complete
1012	OPR	-25.8299	148.8824	FV15-19 1	Bandanna Formation	no nest	SNT	Complete
1014	OPR	-26.3382	149.0457	HERMITAGE 10	Walloon CM	no nest	SNT	Complete
1002	OPR	-25.2771	148.8596	Mount Kingsley 14	Bandanna Formation	no nest	SNT	Complete
1027	OPR	-26.4991	149.0758	RASLIE 11	Walloon CM	no nest	SNT	Complete
1015	OPR	-26.3473	149.0757	RM02-11 1	Walloon CM	no nest	SNT	Complete
1016	OPR	-26.3595	149.0570	RM02-24 1	Walloon CM	no nest	SNT	Complete
1017	OPR	-26.3763	149.0612	RM02-30 1	Walloon CM	no nest	SNT	Complete
1018	OPR	-26.3705	149.0760	RM02-31 1	Walloon CM	no nest	SNT	Complete
1019	OPR	-26.3934	149.0704	RM02-36 1	Walloon CM	no nest	SNT	Complete
1021	OPR	-26.3772	149.0964	RM03-44 1	Walloon CM	no nest	SNT	Complete
1022	OPR	-26.3870	149.0253	RM07-08 1	Walloon CM	no nest	SNT	Complete
1023	OPR	-26.4085	148.9849	RM07-17 1	Walloon CM	no nest	SNT	Complete
1024	OPR	-26.4322	149.0902	RM09-10 1	Walloon CM	no nest	SNT	Complete
1025	OPR	-26.4191	149.1115	RM09-56 1	Walloon CM	no nest	SNT	Complete
1026	OPR	-26.4835	149.0218	RM12-10 1	Walloon CM	no nest	SNT	Complete
1029	OPR	-26.5153	149.1929	RM15-07 1	Walloon CM	no nest	SNT	Complete
1038	RSC	-26.5730	149.4087	RM40-147 1	Walloon CM	no nest	SNT	2023 UPC
1033	OPR	-26.4722	149.2814	RM49-117 1	Walloon CM	no nest	SNT	Complete
1037	RSC	-26.4601	149.2074	RM68-82 1	Walloon CM	no nest	SNT	2022
1028	OPR	-26.4693	149.1568	SAWPIT CREEK 3	Walloon CM	no nest	SNT	Complete

OGIA MP ID	WMS status	Latitude	Longitude	Bore name	Formation	Nest name	RTH	Timeframe
1036	OPR	-25.8803	150.0677	The Rock 6	Bandanna Formation	no nest	SNT	Complete
1030	OPR	-26.4541	149.2826	TREVILLE DOWNS 5	Walloon CM	no nest	SNT	Complete
1035	OPR	-25.9886	150.1012	Woodroyd 1	Bandanna Formation	no nest	SNT	Complete
1046	RSC	-26.2070	149.7930	Atlas-37 or Atlas-61	Walloon CM	no nest	SNX	2022
1039	OPR	-26.3272	149.0390	Eos-1	Walloon CM	no nest	SNX	Complete
1040	OPR	-26.3183	149.0454	Eos-2	Walloon CM	no nest	SNX	Complete
1044	RSC	-26.2741	149.0598	Eos-27 or -23	Walloon CM	no nest	SNX	2022
1041	OPR	-26.3274	149.0615	Eos-4	Walloon CM	no nest	SNX	Complete
1045	RSC	-26.2744	149.1094	Glenora-50 or -49 or -48	Walloon CM	no nest	SNX	2022

Appendix 1.4 Monitoring points removed from the network

Table A1-5: Monitoring points removed from the Water Monitoring Strategy since the UWIR 2019

Network	OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
GL	33	RMV	-27.5779	151.1338	160732A	Meenawarra-5	Juandah and Taroom CM	Meenawarra -21	ARR	NR
GL	75	RMV	-27.3993	151.5484	42231294A	RN 42231294	Condamine Alluvium	no nest	ARR	NR
GL	76	RMV	-27.3975	151.5619	42231295A	RN 42231295	Lower Juandah CM	no nest	ARR	NR
GL	49	RMV	-27.5306	151.5037	42231339A	RN 42231339	Condamine Alluvium	no nest	ARR	NR
GL	50	RMV	-27.5318	151.5148	42231340A	RN 42231340	Lower Juandah CM	no nest	ARR	NR
GL	165	RMV	-27.1153	151.4978	42231548A	RN 42231548	Upper Hutton Sandstone	no nest	ARR	NR
GL	602	RMV	-26.9214	151.2871	42231553A	RN 42231553	Upper Hutton Sandstone	no nest	ARR	NR
GL	595	RMV	-27.5913	151.8467	42231591A	RN 42231591	Main Range Volcanics	no nest	ARR	NR
GL	842	RMV	-26.5692	150.5822			Upper Hutton Sandstone	no nest	ARR	NR
GL	843	RMV	-26.4690	150.7360			Upper Hutton Sandstone	no nest	ARR	NR
PR	897	RMV	-27.0462	150.9212		Kogan North-29A	Juandah CM	no nest	ARR	NR
PR	898	RMV	-27.0461	150.9212		Kogan North-29T	Walloon CM	no nest	ARR	NR
PR	899	RMV	-27.0560	150.9096		Kogan North-44	Juandah CM	no nest	ARR	NR

Network	OGIA MP ID	WMS status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe
PR	907	RMV	-27.4449	151.1191		Tipton-99	Juandah CM	no nest	ARR	NR
GL	580	RMV	-26.3384	149.5035	42220101A	DERM RN42220101	Mooga Sandstone	no nest	ORG	NR
GC	786	RMV	-26.0152	150.0958			Bandanna Formation	Peat	ORG	NR
GL	669	RMV	-25.9458	149.7756			Lower Springbok Sandstone	Cassio	QGC	NR
GL	127	RMV	-27.2638	150.9684			Taroom CM	Jen 1M	QGC	NR
GL	126	RMV	-27.2638	150.9684			Lower Juandah CM	Jen 1M	QGC	NR
PR	987	RMV	-26.7131	150.3383		McNulty 170	Walloon CM	no nest	QGC	NR
GL	426	RMV	-26.3873	149.1259	160776B	ARMIDALE MULTI-LEVEL	Lower Aquitard Of The Walloon CM	Armidale	SNT	NR
GL	424	RMV	-26.3873	149.1259	160776D	ARMIDALE MULTI-LEVEL	Tangalooma Sandstone	Armidale	SNT	NR
GL	422	RMV	-26.3873	149.1259	160776F	ARMIDALE MULTI-LEVEL	Juandah CM	Armidale	SNT	NR
GC	847	RMV	-25.7864	148.8458			Precipice Sandstone	VW0902	SNT	NR
GL	885	RMV	-28.1984	151.0806			Walloon CM	no nest	TRI	NR



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