Surat CMA UWIR 2025 schedule

Version	Release date	Authorised by	Comments
1.0	December 2025	Sanjeev Pandey	Initial release
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Schedule 1 Guidelines for the construction of new monitoring points

This schedule provides additional detail on the water monitoring strategy (WMS) and should be read **in conjunction with Chapter 12 of the UWIR 2025.**

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.

1.1 Groundwater level monitoring points

1.1.1 Isolation of the target horizon and the effective monitoring interval

Monitoring bore and screen design should effectively isolate a small number of permeable units that 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. The five-metre separation may be reduced to zero if a material more competent for bore and seal construction is located on the boundary of the adjacent formation. In these cases, the RTH should advise OGIA in the proposed bore diagram.

For groundwater level monitoring points in formations other than target coal reservoirs, the effective monitoring interval should ideally 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. The effective monitoring interval may be larger to accommodate bore and seal construction in more competent material. In these cases, the RTH should advise OGIA in the proposed bore diagram.

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

1.1.2 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, reliably deployed (including cabling and connections) and replaceable.

1.1.3 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
- at 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 or applicable, validation readings to correct for logger ‘drift’ and other artefacts prior to the final datasets being provided to OGIA.

1.1.3.1 Data access

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

1.1.4 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. Each completion diagram should include at least 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 or 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 and how data validation checks are undertaken.

1.2 Groundwater chemistry monitoring points

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

1.2.1 Purging and sampling

- Groundwater sample collection 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 for cross-contamination. In addition, sampling techniques should limit any contamination or interaction with groundwater that may alter chemical 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, rather than sampling from the annulus, to promote flow through the borehole screen.

1.3 Production well groundwater chemistry monitoring points

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

Due to the ongoing groundwater extraction in CSG wells, production well groundwater chemistry monitoring points do not need to follow purging guidelines.

Schedule 2 Specifications of groundwater level monitoring network

Table S2-1: Definitions for fields that describe the groundwater level network

Field name	Description
OGIA MP ID	Unique identifier for each monitoring point
Install status	Installation status for each required monitoring point in the UWIR 2025 WMS **Abbreviations:** INS = installed, TBI = to be installed, RMV = removed
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 **Abbreviation:** CM = Coal Measures
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, GEN = Genuity, GNC = Glencore, NHG = New Hope Group, NWE = New Wilkie Energy, ORG = Origin, QGC = QGC, SNC = Stanmore, SNT = Santos, SNX = Senex, TRI = Tri-Star, YAN = Yancoal, TBC = To be confirmed (OGIA to work with tenure holder to maintain monitoring continuity whilst policy review is underway)
Timeframe	Year by which the monitoring point is required to be completed, repaired or replaced in accordance with the UWIR 2021 **Abbreviations:** 10km* = two years before production is planned within 10 km, UPC = upon production commencement, NR = not required
Network	Groundwater level **Abbreviations:** GL = groundwater level

Table S2-2: Groundwater level monitoring network

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
625	INS	-26.2427	150.0502	160686B	Burunga Lane-174	Evergreen Formation	Burunga Lane	ARR	INS
478	INS	-26.2427	150.0502	160686D	Burunga Lane-174	Precipice Sandstone	Burunga Lane	ARR	INS
476	INS	-26.2429	150.0500	160677A	Burunga Lane-176	Upper Hutton Sandstone	Burunga Lane	ARR	INS
475	INS	-26.2429	150.0500	160677D	Burunga Lane-176	Taroom CM	Burunga Lane	ARR	INS
474	INS	-26.2429	150.0500	160677E	Burunga Lane-176	Lower Juandah CM	Burunga Lane	ARR	INS
473	INS	-26.2429	150.0500	160677F	Burunga Lane-176	Upper Juandah CM	Burunga Lane	ARR	INS
882	INS	-27.4378	151.3575	210270A	Carn Brea 22	Upper Hutton Sandstone	Carn Brea	ARR	INS
94	INS	-27.4376	151.3575	160997A	Carn Brea 21	Lower Juandah CM	Carn Brea North	ARR	INS
92	INS	-27.4376	151.3577	160998A	Carn Brea 23	Condamine Alluvium	Carn Brea North	ARR	INS
93	INS	-27.4376	151.3577	160999A	Carn Brea 24	Condamine–Walloon transition	Carn Brea North	ARR	INS
38	INS	-27.5330	151.3665	160657A	Carn Brea-17	Condamine Alluvium	Carn Brea South	ARR	INS
43	INS	-27.5330	151.3663	160688A	Carn Brea-18	Taroom CM	Carn Brea South	ARR	INS
42	INS	-27.5330	151.3663	160688B	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	INS
40	INS	-27.5330	151.3663	160688C	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	INS
46	INS	-27.5330	151.3662	160689A	Carn Brea-19	Evergreen Formation	Carn Brea South	ARR	INS
44	INS	-27.5330	151.3662	160689B	Carn Brea-19	Upper Hutton Sandstone	Carn Brea South	ARR	INS
47	INS	-27.5330	151.3660	160632A	Carn Brea-20	Precipice Sandstone	Carn Brea South	ARR	INS
378	INS	-26.5529	150.2220	160687A	Castledean-18	Taroom CM	Castledean-18	ARR	INS
377	INS	-26.5529	150.2220	160687B	Castledean-18	Lower Juandah CM	Castledean-18	ARR	INS
376	INS	-26.5529	150.2220	160687C	Castledean-18	Upper Juandah CM	Castledean-18	ARR	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
375	INS	-26.5529	150.2220	160687D	Castledean-18	Upper Springbok Sandstone	Castledean-18	ARR	INS
1060	TBI	-27.4076	151.1894			Condamine Alluvium	Cecil Central	ARR	2027
1061	TBI	-27.4076	151.1894			Lower Springbok Sandstone	Cecil Central	ARR	2027
1062	TBI	-27.4076	151.1894			Upper Juandah CM	Cecil Central	ARR	2027
1047	TBI	-27.4106	151.2792			Condamine Alluvium	Cecil East	ARR	2027
1048	TBI	-27.4106	151.2792			Lower Springbok Sandstone	Cecil East	ARR	2027
1049	TBI	-27.4106	151.2792			Upper Juandah CM	Cecil East	ARR	2027
1050	TBI	-27.4873	151.1828			Condamine Alluvium	Cecil West	ARR	2026
1051	TBI	-27.4873	151.1828			Lower Springbok Sandstone	Cecil West	ARR	2026
1052	TBI	-27.4873	151.1828			Walloon CM	Cecil West	ARR	2026
181	INS	-27.1024	150.9613	160838A	Daandine 263	Lower Juandah CM	Daandine 121	ARR	INS
182	INS	-27.1004	150.9557	160350A	Daandine-121	Upper Hutton Sandstone	Daandine 121	ARR	INS
720	INS	-27.1441	150.9481	160347A	Daandine-123	Precipice Sandstone	Daandine-123/134/254	ARR	INS
719	INS	-27.1441	150.9481	160347C	Daandine-123	Upper Hutton Sandstone	Daandine-123/134/254	ARR	INS
157	INS	-27.1441	150.9480	160349A	Daandine-124	Westbourne Formation	Daandine-123/134/254	ARR	INS
164	INS	-27.1440	150.9486	160553A	Daandine-134	Eurombah Formation	Daandine-123/134/254	ARR	INS
163	INS	-27.1440	150.9486	160553B	Daandine-134	Taroom CM	Daandine-123/134/254	ARR	INS
162	INS	-27.1440	150.9486	160553C	Daandine-134	Tangalooma Sandstone	Daandine-123/134/254	ARR	INS
161	INS	-27.1442	150.9483	160802A	Daandine-254	Lower Juandah CM	Daandine-123/134/254	ARR	INS
160	INS	-27.1442	150.9483	160802B	Daandine-254	Upper Juandah CM	Daandine-123/134/254	ARR	INS
159	INS	-27.1442	150.9483	160802C	Daandine-254	Upper Juandah CM	Daandine-123/134/254	ARR	INS
166	INS	-27.1185	151.0756	160643A	Daandine-161	Condamine Alluvium	Daleglade	ARR	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
167	INS	-27.1200	151.0759	160676A	Daandine-163	Condamine–Walloon transition	Daleglade	ARR	INS
168	INS	-27.1200	151.0760	160678A	Daandine-164	Lower Juandah CM	Daleglade	ARR	INS
285	INS	-26.7435	150.6784	160803A	Dundee-20	Taroom CM	Dundee 20	ARR	INS
284	INS	-26.7435	150.6784	160803B	Dundee-20	Upper Taroom CM	Dundee 20	ARR	INS
283	INS	-26.7435	150.6784	160803C	Dundee-20	Lower Juandah CM	Dundee 20	ARR	INS
281	INS	-26.7422	150.6799	42230209A	42230209	Condamine Alluvium	Dundee 20	ARR	INS
732	INS	-27.8330	151.0973	180030A	Glenburnie 20	Lower Springbok Sandstone	Glenburnie	ARR	INS
733	INS	-27.8324	151.0980	160593A	Glenburnie 21	Upper Juandah CM	Glenburnie	ARR	INS
734	INS	-27.8325	151.0981	160177A	Glenburnie 22	Upper Juandah CM	Glenburnie	ARR	INS
736	INS	-27.7202	151.1565	160941A	Glenburnie-18	Lower Hutton Sandstone	Glenburnie-18	ARR	INS
735	INS	-27.7202	151.1565	160941B	Glenburnie-18	Upper Hutton Sandstone	Glenburnie-18	ARR	INS
738	INS	-27.7202	151.1565	160941D	Glenburnie-18	Taroom CM	Glenburnie-18	ARR	INS
737	INS	-27.7202	151.1565	160941E	Glenburnie-18	Lower Springbok Sandstone	Glenburnie-18	ARR	INS
618	INS	-26.9732	150.6118	160699A	Hopeland-17	Taroom CM	Hopeland 17	ARR	INS
617	INS	-26.9732	150.6118	160699B	Hopeland-17	Lower Juandah CM	Hopeland 17	ARR	INS
616	INS	-26.9732	150.6118	160699C	Hopeland-17	Upper Juandah CM	Hopeland 17	ARR	INS
615	INS	-26.9732	150.6118	160699D	Hopeland-17	Upper Springbok Sandstone	Hopeland 17	ARR	INS
629	INS	-26.4134	150.1537	160348A	Kedron-570	Lower Hutton Sandstone	Kedron 570	ARR	INS
628	INS	-26.4134	150.1537	160348C	Kedron-570	Eurombah Formation	Kedron 570	ARR	INS
627	INS	-26.4134	150.1537	160348D	Kedron-570	Tangalooma Sandstone	Kedron 570	ARR	INS
626	INS	-26.4134	150.1537	160348E	Kedron-570	Upper Juandah CM	Kedron 570	ARR	INS
630	RMV	-26.4134	150.1537	160348F	Kedron-570	Springbok Sandstone	Kedron-570	ARR	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
208	RMV	-26.9989	150.9018	160702A	Kogan North-79	Condamine–Walloon transition	Kogan North-79	ARR	NR
207	RMV	-26.9989	150.9018	160702B	Kogan North-79	Condamine Alluvium	Kogan North-79	ARR	NR
748	INS	-26.9989	150.9018	160702C	Kogan North-79	Taroom CM	Kogan North-79	ARR	INS
747	INS	-26.9989	150.9018	160702D	Kogan North-79	Lower Juandah CM	Kogan North-79	ARR	INS
749	INS	-26.9989	150.9018	160702E	Kogan North-79	Upper Juandah CM	Kogan North-79	ARR	INS
750	INS	-27.5547	151.3591	160942A	Lone Pine-14	Lower Juandah CM	Lone Pine	ARR	INS
751	INS	-27.5547	151.3588	160944A	Lone Pine-16	Upper Juandah CM	Lone Pine	ARR	INS
147	INS	-27.1843	151.1274	160869A	Longswamp-7	Taroom CM	Longswamp 1	ARR	INS
146	INS	-27.1843	151.1274	160869B	Longswamp-7	Lower Juandah CM	Longswamp 1	ARR	INS
145	INS	-27.1843	151.1274	160869C	Longswamp-7	Upper Juandah CM	Longswamp 1	ARR	INS
756	INS	-27.2685	151.0953	180028A	Longswamp 33	Lower Springbok Sandstone	Longswamp 2	ARR	INS
757	INS	-27.2685	151.0952	180029A	Longswamp 34	Upper Juandah CM	Longswamp 2	ARR	INS
752	INS	-27.3415	151.0917	180024A	Longswamp 28	Westbourne Formation	Longswamp 3	ARR	INS
753	INS	-27.3415	151.0916	180025A	Longswamp 29	Lower Springbok Sandstone	Longswamp 3	ARR	INS
754	INS	-27.3415	151.0914	180026A	Longswamp 30R	Upper Juandah CM	Longswamp 3	ARR	INS
755	INS	-27.3435	151.0957	180103A	Longswamp 31	Alluvium	Longswamp 3	ARR	INS
244	INS	-26.8951	150.9543	160918A	Macalister 5	Condamine Alluvium	Macalister North	ARR	INS
245	INS	-26.8951	150.9544	160919A	Macalister 8	Taroom CM	Macalister North	ARR	INS
205	INS	-27.0257	151.1332	160218A	Macalister 6	Eurombah Formation	Macalister South	ARR	INS
206	INS	-27.0257	151.1332	160218B	Macalister 6	Taroom CM	Macalister South	ARR	INS
203	INS	-27.0256	151.1333	180020A	Macalister 7	Condamine Alluvium	Macalister South	ARR	INS
36	INS	-27.5799	151.1334	160923A	Meenawarra-21	Taroom CM	Meenawarra-21	ARR	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
35	INS	-27.5799	151.1334	160923B	Meenawarra-21	Lower Juandah CM	Meenawarra-21	ARR	INS
34	INS	-27.5799	151.1334	160923C	Meenawarra-21	Upper Juandah CM	Meenawarra-21	ARR	INS
619	INS	-27.5799	151.1334	160923D	Meenawarra-21	Lower Springbok Sandstone	Meenawarra-21	ARR	INS
33	RMV	-27.5779	151.1338	160732A	Meenawarra-5	Juandah and Taroom CM	Meenawarra-21	ARR	NR
600	INS	-27.7241	151.2764	160978A	Mt Haystack 4	Taroom CM	Mount Haystack 1	ARR	INS
599	INS	-27.7240	151.2765	160835A	Mt Haystack 5	Condamine Alluvium	Mount Haystack 1	ARR	INS
598	INS	-27.7272	151.7633	160804A	Mt Haystack 2	Upper Taroom CM	Mount Haystack 2	ARR	INS
597	INS	-27.7308	151.7634	42231597A	42231597	Main Range Volcanics	Mount Haystack 2	ARR	INS
878	INS	-26.4801	150.5513	180126B	Barakula 2	Walloon CM	no nest	ARR	INS
579	INS	-27.9245	151.1249	160837A	Bora Creek 10	Taroom CM	no nest	ARR	INS
148	INS	-27.1531	151.0442	160847A	Daandine 264	Lower Juandah CM	no nest	ARR	INS
23	INS	-27.6392	151.1677	160836A	Glenburnie 19	Lower Juandah CM	no nest	ARR	INS
209	RMV	-27.0093	150.9003	160730A	Kogan North-56	Juandah and Taroom CM	no nest	ARR	NR
83	INS	-27.3435	151.1238	180004A	Longswamp 27	Juandah CM	no nest	ARR	INS
601	RMV	-26.9308	151.2884	160805A	Macalister 4	Main Range Volcanics	no nest	ARR	NR
495	INS	-26.2301	149.9534	210273B	Burunga Lane 186	Lower Juandah CM	no nest	ARR	INS
496	INS	-26.2301	149.9534	210273A	Burunga Lane 186	Taroom CM	no nest	ARR	INS
494	INS	-26.2301	149.9534	210273C	Burunga Lane 186	Upper Juandah CM	no nest	ARR	INS
578	INS	-27.9222	151.1214	41620043A	41620043	Upper Juandah CM	no nest	ARR	INS
75	RMV	-27.3993	151.5484	42231294A	RN 42231294	Condamine Alluvium	no nest	ARR	NR
76	RMV	-27.3975	151.5619	42231295A	RN 42231295	Lower Juandah CM	no nest	ARR	NR
49	RMV	-27.5306	151.5037	42231339A	RN 42231339	Condamine Alluvium	no nest	ARR	NR
50	RMV	-27.5318	151.5148	42231340A	RN 42231340	Lower Juandah CM	no nest	ARR	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
51	INS	-27.4915	151.3932	42231370A	42231370	Condamine Alluvium	no nest	ARR	INS
37	INS	-27.5488	151.3130	42231463A	42231463	Condamine Alluvium	no nest	ARR	INS
603	RMV	-27.2743	151.6934	42231523A	RN 42231523	Main Range Volcanics	no nest	ARR	NR
604	RMV	-27.2493	151.6915	42231524A	RN 42231524	Walloon CM	no nest	ARR	NR
165	RMV	-27.1153	151.4978	42231548A	RN 42231548	Upper Hutton Sandstone	no nest	ARR	NR
602	RMV	-26.9214	151.2871	42231553A	RN 42231553	Upper Hutton Sandstone	no nest	ARR	NR
605	RMV	-27.2693	151.7700	42231590A	RN 42231590	Lower Hutton Sandstone	no nest	ARR	NR
595	RMV	-27.5913	151.8467	42231591A	RN 42231591	Main Range Volcanics	no nest	ARR	NR
138	INS	-27.2156	151.3489	160859A	Tipton 221	Condamine Alluvium	no nest	ARR	INS
139	INS	-27.2156	151.3488	160877A	Tipton 222	Condamine–Walloon transition	no nest	ARR	INS
620	INS	-27.3586	151.1531	180092B	Tipton-153	Upper Hutton Sandstone	no nest	ARR	INS
861	INS	-27.3875	151.1181	160543A	Tipton-194	Precipice Sandstone	no nest	ARR	INS
891	INS	-26.4801	150.5513		Baking Board 5	Lower Juandah CM	no nest	ARR	INS
606	RMV	-23.4558	148.9483			Bandanna Formation	no nest	ARR	NR
842	RMV	-26.5692	150.5822			Upper Hutton Sandstone	no nest	ARR	NR
843	RMV	-26.4690	150.7360			Upper Hutton Sandstone	no nest	ARR	NR
868	INS	-26.3037	150.3908		Punchbowl 53	Upper Hutton Sandstone	no nest	ARR	2023
869	INS	-26.4801	150.5513	180126A	Barakula 2	Upper Hutton Sandstone	no nest	ARR	INS
497	RMV	-26.2301	149.9534			Hutton Sandstone	no nest	ARR	NR
621	RMV	-27.3870	151.3270			Springbok Sandstone	no nest	ARR	NR
877	INS	-26.5670	150.6530	210271B	Baking Board 4	Walloon CM	no nest	ARR	INS
140	RMV	-27.2157	151.3489			Upper Juandah CM	no nest	ARR	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
204	RMV	-27.0257	151.1332			Upper Juandah CM	no nest	ARR	NR
24	INS	-27.6147	151.2267	160921A	Pampas 18	Condamine Alluvium	Pampas	ARR	INS
25	INS	-27.6146	151.2267	160788A	Pampas-5	Taroom CM	Pampas	ARR	INS
1054	INS	-27.3828	151.1869	180089A	Plainview 34	Taroom CM	Plainview	ARR	INS
1053	INS	-27.3828	151.1869	180089B	Plainview 34	Juandah CM	Plainview	ARR	INS
77	INS	-27.3842	151.2044	180090A	PLAINVIEW 35	Juandah CM	Plainview	ARR	INS
789	INS	-27.3868	151.2160	180046A	Plainview 36	Lower Springbok Sandstone	Plainview	ARR	INS
791	INS	-27.3868	151.2160	180091A	Plainview 37	Condamine Alluvium	Plainview	ARR	INS
792	INS	-27.3858	151.2165	108104A	Plainview 16	Upper Hutton Sandstone	Plainview	ARR	INS
121	INS	-27.2521	151.2922	160800A	Plainview-25	Lower Juandah CM	Plainview-25	ARR	INS
120	INS	-27.2521	151.2922	160800B	Plainview-25	Condamine–Walloon transition	Plainview-25	ARR	INS
119	INS	-27.2521	151.2922	160800C	Plainview-25	Condamine Alluvium	Plainview-25	ARR	INS
796	INS	-26.5516	150.3782	160346D	Punch Bowl-15	Taroom CM	Punchbowl 15	ARR	INS
797	INS	-26.5516	150.3782	160346E	Punch Bowl-15	Tangalooma Sandstone	Punchbowl 15	ARR	INS
822	INS	-27.1990	151.0267	160870A	Stratheden-62	Condamine Alluvium	Stratheden-63	ARR	INS
622	INS	-27.1989	151.0268	160871A	Stratheden-63	Lower Springbok Sandstone	Stratheden-63	ARR	INS
84	INS	-27.3205	151.2054	160717A	Tipton-195	Condamine Alluvium	Tipton	ARR	INS
86	INS	-27.3202	151.2050	160750A	Tipton-196A	Condamine–Walloon transition	Tipton	ARR	INS
91	INS	-27.3202	151.2053	160751A	Tipton-197	Taroom CM	Tipton	ARR	INS
90	INS	-27.3202	151.2053	160751B	Tipton-197	Lower Juandah CM	Tipton	ARR	INS
88	INS	-27.3202	151.2053	160751C	Tipton-197	Upper Juandah CM	Tipton	ARR	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
151	INS	-27.1496	151.2094	160801A	Tipton 204	Taroom CM	Tipton 204	ARR	INS
150	INS	-27.1496	151.2094	160801B	Tipton 204	Condamine–Walloon transition	Tipton 204	ARR	INS
149	INS	-27.1496	151.2094	160801C	Tipton 204	Condamine Alluvium	Tipton 204	ARR	INS
141	INS	-27.2157	151.3489	160789A	Tipton 206	Eurombah Formation	Tipton 206	ARR	INS
142	INS	-27.2157	151.3489	160789B	Tipton 206	Taroom CM	Tipton 206	ARR	INS
74	INS	-27.3981	151.0889	160799A	Tipton-157	Taroom CM	Tipton-157	ARR	INS
73	INS	-27.3981	151.0889	160799B	Tipton-157	Lower Juandah CM	Tipton-157	ARR	INS
72	INS	-27.3981	151.0889	160799C	Tipton-157	Upper Juandah CM	Tipton-157	ARR	INS
831	INS	-27.3831	151.1648	209132A	Tipton 203	Condamine Alluvium	West Horrane	ARR	INS
832	INS	-27.3831	151.1647	210272A	Tipton 200	Upper Hutton Sandstone	West Horrane	ARR	INS
833	INS	-27.3830	151.1647	209131A	Tipton 202	Lower Springbok Sandstone	West Horrane	ARR	INS
834	INS	-27.3831	151.1647	210272C	Tipton 200	Lower Juandah CM	West Horrane	ARR	INS
835	INS	-27.3831	151.1647	210272B	Tipton 200	Taroom CM	West Horrane	ARR	INS
836	INS	-27.3831	151.1647	210272D	Tipton 200	Upper Juandah CM	West Horrane	ARR	INS
246	INS	-26.8662	150.7550	160642A	Wyalla-16	Condamine Alluvium	Wyalla	ARR	INS
624	INS	-26.8660	150.7551	160563B	Wyalla-17	Upper Hutton Sandstone	Wyalla	ARR	INS
252	INS	-26.8663	150.7550	160563A	Wyalla-17	Precipice Sandstone	Wyalla	ARR	INS
251	INS	-26.8661	150.7551	160658A	Wyalla-18	Taroom CM	Wyalla	ARR	INS
250	INS	-26.8661	150.7551	160658B	Wyalla-18	Lower Juandah CM	Wyalla	ARR	INS
249	INS	-26.8661	150.7551	160658C	Wyalla-18	Lower Juandah CM	Wyalla	ARR	INS
581	INS	-27.7612	150.2458	22939A	Moonie 35	Precipice Sandstone	Moonie	BRP	INS
763	TBI	-27.7612	150.2458			Upper Hutton Sandstone	Moonie	BRP	2022

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
323	INS	-26.6450	149.8519	160748A	Byme Creek MB1-W	Taroom CM	Byme Creek-MB1-W	ORG	INS
322	INS	-26.6450	149.8519	160748B	Byme Creek MB1-W	Lower Juandah CM	Byme Creek-MB1-W	ORG	INS
321	INS	-26.6450	149.8519	160748C	Byme Creek MB1-W	Upper Juandah CM	Byme Creek-MB1-W	ORG	INS
643	INS	-26.2310	149.5642	160663A	Combabula MB1-G	Gubberamunda Sandstone	Combabula A	ORG	INS
480	INS	-26.2310	149.5645	160664A	Combabula MB2-S	Lower Springbok Sandstone	Combabula A	ORG	INS
485	INS	-26.2306	149.5651	160767A	Combabula MB3-W	Taroom CM	Combabula A	ORG	INS
484	INS	-26.2306	149.5651	160767B	Combabula MB3-W	Lower Juandah CM	Combabula A	ORG	INS
483	INS	-26.2306	149.5651	160767C	Combabula MB3-W	Upper Juandah CM	Combabula A	ORG	INS
715	INS	-26.2307	149.5650	207749A	Combabula-MB7-H	Upper Hutton Sandstone	Combabula A	ORG	INS
223	INS	-26.9315	150.2294	160755A	CON140	Taroom CM	Con140	ORG	INS
222	INS	-26.9315	150.2294	160755B	CON140	Lower Juandah CM	Con140	ORG	INS
220	INS	-26.9315	150.2294	160755C	CON140	Upper Juandah CM	Con140	ORG	INS
216	INS	-26.9417	150.2119	160628A	Condabri MB3-G	Gubberamunda Sandstone	Con140	ORG	INS
218	INS	-26.9417	150.2119	160627A	Condabri MB4-S	Upper Springbok Sandstone	Con140	ORG	INS
636	INS	-26.6840	150.2257	160953A	Condabri-INJ4-H	Hutton Sandstone	Condabri MB10	ORG	INS
318	INS	-26.6840	150.2262	160680A	Condabri-INJ5-P	Precipice Sandstone	Condabri MB10	ORG	INS
717	INS	-26.6840	150.2268	180129A	Condabri Nth MB1-S	Lower Springbok Sandstone	Condabri MB10	ORG	INS
263	INS	-26.7887	150.2176	160759A	Condabri MB12-W	Taroom CM	Condabri MB12	ORG	INS
262	INS	-26.7887	150.2176	160759B	Condabri MB12-W	Lower Juandah CM	Condabri MB12	ORG	INS
261	INS	-26.7887	150.2176	160759C	Condabri MB12-W	Upper Juandah CM	Condabri MB12	ORG	INS
649	INS	-26.7862	150.2264	160951B	Condabri-INJ1-H	Hutton Sandstone	Condabri MB12	ORG	INS
650	INS	-26.7865	150.2261	160952A	Condabri-INJ2-P	Precipice Sandstone	Condabri MB12	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
648	INS	-26.7866	150.2259	160967A	Condabri-INJ3-G	Gubberamunda Sandstone	Condabri MB12	ORG	INS
317	INS	-26.6306	150.1460	160760A	Dalwogan 12	Taroom CM	Dalwogan 12	ORG	INS
316	INS	-26.6306	150.1460	160760B	Dalwogan 12	Lower Juandah CM	Dalwogan 12	ORG	INS
314	INS	-26.6306	150.1460	160760C	Dalwogan 12	Upper Juandah CM	Dalwogan 12	ORG	INS
312	INS	-26.6295	150.1455	160194A	Dalwogan MB2-S	Upper Springbok Sandstone	Dalwogan 12	ORG	INS
638	INS	-26.5535	150.1040	160002A	Dalwogan MB3-G	Gubberamunda Sandstone	Dalwogan MB6	ORG	INS
344	INS	-26.5536	150.1040	160193A	Dalwogan MB4-S	Upper Springbok Sandstone	Dalwogan MB6	ORG	INS
349	INS	-26.5546	150.1043	160807A	Dalwogan MB5-H	Hutton Sandstone	Dalwogan MB6	ORG	INS
348	INS	-26.5543	150.1042	160761A	Dalwogan MB6-W	Taroom CM	Dalwogan MB6	ORG	INS
347	INS	-26.5543	150.1042	160761B	Dalwogan MB6-W	Lower Juandah CM	Dalwogan MB6	ORG	INS
346	INS	-26.5543	150.1042	160761C	Dalwogan MB6-W	Upper Juandah CM	Dalwogan MB6	ORG	INS
177	INS	-27.1077	150.2213	160848A	DUK011T	Walloon CM	Duke	ORG	INS
180	INS	-27.1370	150.2220	160955B	DUK036	Hutton Sandstone	Duke	ORG	INS
175	INS	-27.1083	150.2213	160681A	Duke 25	Springbok Sandstone	Duke	ORG	INS
509	INS	-25.9765	149.1042	160656B	DM023	Bandanna Formation	Durham Ranch 23	ORG	INS
725	INS	-25.8570	148.8300		Spring Gully MB22-Bv	Boxvale Sandstone Member	East Hutton Wallumbilla	ORG	INS
726	INS	-25.8570	148.8300		Spring Gully MB23-H	Lower Hutton Sandstone	East Hutton Wallumbilla	ORG	INS
727	INS	-25.8570	148.8300		Spring Gully MB24-P	Precipice Sandstone	East Hutton Wallumbilla	ORG	INS
729	INS	-25.8683	148.9198		Expedition Creek MB1-B	Bandanna Formation	Expedition Creek	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
730	INS	-25.8683	148.9198		Expedition Creek MB2-H	Upper Hutton Sandstone	Expedition Creek	ORG	INS
731	INS	-25.8683	148.9198		Expedition Creek MB3-P	Precipice Sandstone	Expedition Creek	ORG	INS
174	INS	-27.1111	150.3901	160806A	DUK035M	Taroom CM	Ironbark MB1	ORG	INS
173	INS	-27.1111	150.3901	160806B	DUK035M	Lower Juandah CM	Ironbark MB1	ORG	INS
172	INS	-27.1111	150.3901	160806C	DUK035M	Upper Juandah CM	Ironbark MB1	ORG	INS
170	INS	-27.1083	150.3942	160682A	Duke 27	Springbok Sandstone	Ironbark MB1	ORG	INS
169	INS	-27.1113	150.3897	160701A	Ironbark MB2-G	Gubberamunda Sandstone	Ironbark MB1	ORG	INS
191	INS	-27.0396	150.7803	160753A	Kainama MB1-W	Taroom CM	Kainama-MB1-W	ORG	INS
190	INS	-27.0396	150.7803	160753B	Kainama MB1-W	Lower Juandah CM	Kainama-MB1-W	ORG	INS
188	INS	-27.0396	150.7803	160753C	Kainama MB1-W	Upper Juandah CM	Kainama-MB1-W	ORG	INS
186	INS	-27.0395	150.7806	160564A	Kainama MB2-S	Lower Springbok Sandstone	Kainama-MB1-W	ORG	INS
632	INS	-27.0396	150.7803	209025A	Kainama MB3-H	Upper Hutton Sandstone	Kainama-MB1-W	ORG	INS
745	INS	-25.6506	149.5788	160985A	Kinnoul MB1-P	Precipice Sandstone	Kinnoul	ORG	INS
658	INS	-25.6504	149.5785	160986A	Kinnoul MB2-H	Hutton Sandstone	Kinnoul	ORG	INS
746	INS	-25.6504	149.5785	207432A	Kinnoul MB3-W	Taroom CM	Kinnoul	ORG	INS
758	INS	-26.4076	149.5817	160885A	LUCKY GULLY 5	Precipice Sandstone	Lucky Gully	ORG	INS
639	INS	-26.4076	149.5817	160885A	Lucky Gully 5	Hutton Sandstone	Lucky Gully	ORG	INS
404	INS	-26.3997	149.5827	160617A	Lucky Gully MB1-G	Gubberamunda Sandstone	Lucky Gully	ORG	INS
406	INS	-26.4032	149.5825	160777A	Lucky Gully MB2-S	Upper Springbok Sandstone	Lucky Gully	ORG	INS
410	INS	-26.4024	149.5772	160763A	Lucky Gully MB3-W	Taroom CM	Lucky Gully	ORG	INS
409	INS	-26.4024	149.5772	160763B	Lucky Gully MB3-W	Lower Juandah CM	Lucky Gully	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
408	INS	-26.4024	149.5772	160763C	Lucky Gully MB3-W	Upper Juandah CM	Lucky Gully	ORG	INS
486	INS	-26.2227	149.1654	160862A	Meeleebee MB1-S	Springbok Sandstone	Meeleebee A	ORG	INS
491	INS	-26.2218	149.1652	160972A	Meeleebee MB2-H	Hutton Sandstone	Meeleebee A	ORG	INS
490	INS	-26.2227	149.1650	160973A	Meeleebee MB3-W	Taroom CM	Meeleebee A	ORG	INS
489	INS	-26.2227	149.1650	160973B	Meeleebee MB3-W	Lower Juandah CM	Meeleebee A	ORG	INS
488	INS	-26.2227	149.1650	160973C	Meeleebee MB3-W	Upper Juandah CM	Meeleebee A	ORG	INS
493	INS	-26.2219	149.1648	180016A	Meeleebee MB5-P	Precipice Sandstone	Meeleebee A	ORG	INS
614	INS	-26.1623	149.4140	160772A	Meeleebee MB4-W	Taroom CM	Meeleebee B	ORG	INS
613	INS	-26.1623	149.4140	160772B	Meeleebee MB4-W	Lower Juandah CM	Meeleebee B	ORG	INS
612	INS	-26.1623	149.4140	160772C	Meeleebee MB4-W	Upper Juandah CM	Meeleebee B	ORG	INS
611	INS	-26.1619	149.4143	160630A	Meeleebee MB7-S	Springbok Sandstone	Meeleebee B	ORG	INS
759	INS	-26.1928	149.3433	123444A	Piccadilly New Hutton Bore	Upper Hutton Sandstone	Meeleebee B	ORG	INS
448	INS	-26.3202	149.2627	160472A	Muggleton MB1-G	Gubberamunda Sandstone	Muggleton / Pine Hills	ORG	INS
450	INS	-26.3202	149.2628	160507A	Muggleton MB2-S	Lower Springbok Sandstone	Muggleton / Pine Hills	ORG	INS
455	INS	-26.3188	149.2636	160679A	Pine Hills MB1-W	Taroom CM	Muggleton / Pine Hills	ORG	INS
454	INS	-26.3188	149.2636	160679B	Pine Hills MB1-W	Lower Juandah CM	Muggleton / Pine Hills	ORG	INS
452	INS	-26.3188	149.2636	160679C	Pine Hills MB1-W	Upper Juandah CM	Muggleton / Pine Hills	ORG	INS
350	INS	-26.5400	149.9593	123130A	Bethel BT Roberts Bore 2	Mooga Sandstone	no nest	ORG	INS
310	INS	-26.6350	149.6834	160723A	Carinya MB2-S	Upper Springbok Sandstone	no nest	ORG	INS
303	INS	-26.7145	149.9997	160749A	Carinya MB3-G	Gubberamunda Sandstone	no nest	ORG	INS
305	INS	-26.7141	149.9995	160792A	Carinya MB4-S	Upper Springbok Sandstone	no nest	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
637	INS	-26.5440	149.8864	160708A	Carinya MB5-H	Hutton Sandstone	no nest	ORG	INS
848	INS	-26.2932	149.4240	160914A	Combabula 291 MON-P	Precipice Sandstone	no nest	ORG	INS
256	INS	-26.8086	150.1710	160719A	Condabri MB1-G	Gubberamunda Sandstone	no nest	ORG	INS
258	INS	-26.8085	150.1710	160734A	Condabri MB2-S	Upper Springbok Sandstone	no nest	ORG	INS
201	INS	-27.0358	150.3061	160665A	Condabri MB6-S	Upper Springbok Sandstone	no nest	ORG	INS
264	INS	-26.8079	150.1708	160655A	Condabri MB9-H	Upper Hutton Sandstone	no nest	ORG	INS
580	RMV	-26.3384	149.5035	42220101A	DERM RN42220101	Mooga Sandstone	no nest	ORG	NR
645	INS	-26.0348	149.2137	58623A	Echo Hills Flowing Bore	Precipice Sandstone	no nest	ORG	INS
508	INS	-26.0132	149.1933	16659A	Echo Hills Northern Bore	Upper Hutton Sandstone	no nest	ORG	INS
655	INS	-25.8872	149.3247	14881A	Moorabinda House Bore	Hutton Sandstone	no nest	ORG	INS
583	RMV	-26.0022	150.0841	160979A	Peat MB1-B	Bandanna Formation	no nest	ORG	NR
399	INS	-26.4828	149.7863	160684A	Ramyard MB4-S	Springbok Sandstone	no nest	ORG	INS
888	INS	-26.3561	149.4303	160446A	RCMB2	Alluvium	no nest	ORG	INS
659	INS	-25.8765	149.0627	58594A	Scotts Creek Sawmill Bore	Lower Hutton Sandstone	no nest	ORG	INS
566	INS	-25.6917	149.1875	160771A	Spring Gully MB11-P	Precipice Sandstone	no nest	ORG	INS
565	INS	-25.6917	149.1878	160770A	Spring Gully MB12-E	Boxvale Sandstone Member	no nest	ORG	INS
516	INS	-25.8665	149.2171	160691A	Spring Gully MB16-P	Precipice Sandstone	no nest	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
515	INS	-25.8666	149.2169	160793A	Spring Gully MB17-H	Hutton Sandstone	no nest	ORG	INS
529	INS	-25.8375	148.8510	160736A	Spring Gully PB1	Precipice Sandstone	no nest	ORG	INS
849	INS	-25.8870	148.8638	160794A	Spring Gully PB4	Precipice Sandstone	no nest	ORG	INS
851	INS	-26.0189	148.9895	160971A	Spring Gully PB6	Precipice Sandstone	no nest	ORG	INS
660	INS	-25.9014	149.1479	123348A	Strathblane-WB1-P	Precipice Sandstone	no nest	ORG	INS
271	INS	-26.7580	150.3603	160693A	Talinga MB11-S	Upper Springbok Sandstone	no nest	ORG	INS
517	RMV	-25.8932	149.2161			Clematis Sandstone	no nest	ORG	NR
876	INS	-26.0867	149.1835	30783A	Lighthouse Horse Paddock Bore	Walloon CM	no nest	ORG	INS
241	RMV	-26.9137	150.3555			Lower Aquitard Of The Walloon CM	no nest	ORG	NR
771	INS	-26.7813	150.5542	160786A	Orana MB14-S	Lower Springbok Sandstone	Orana MB13	ORG	INS
773	INS	-26.9002	150.5031	160959A	Orana MB4-W	Taroom CM	Orana MB4	ORG	INS
775	INS	-26.9002	150.5031	160959B	Orana MB4-W	Lower Juandah CM	Orana MB4	ORG	INS
774	INS	-26.9002	150.5031	160959C	Orana MB4-W	Upper Juandah CM	Orana MB4	ORG	INS
635	INS	-26.8023	150.5501	160709A	Orana MB5-W	Taroom CM	Orana MB5	ORG	INS
634	INS	-26.8023	150.5501	160709B	Orana MB5-W	Lower Juandah CM	Orana MB5	ORG	INS
633	INS	-26.8023	150.5501	160709C	Orana MB5-W	Upper Juandah CM	Orana MB5	ORG	INS
266	INS	-26.8086	150.5407	160977A	Orana MB6-H	Hutton Sandstone	Orana MB5	ORG	INS
778	INS	-26.8026	150.5502	160739A	Orana MB8-S	Springbok Sandstone	Orana MB5	ORG	INS
286	INS	-26.7419	150.4252	160547A	Orana MB15-S	Springbok Sandstone	Orana MB7	ORG	INS
290	INS	-26.7415	150.4253	160713A	Orana MB7-W	Taroom CM	Orana MB7	ORG	INS
289	INS	-26.7415	150.4253	160713B	Orana MB7-W	Lower Juandah CM	Orana MB7	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
288	INS	-26.7415	150.4253	160713C	Orana MB7-W	Upper Juandah CM	Orana MB7	ORG	INS
784	INS	-26.8131	150.4833	160738A	Orana MB10-S	Springbok Sandstone	Orana MB9	ORG	INS
779	INS	-26.8127	150.4833	160710A	Orana MB9-W	Taroom CM	Orana MB9	ORG	INS
780	INS	-26.8127	150.4833	160710B	Orana MB9-W	Lower Juandah CM	Orana MB9	ORG	INS
781	INS	-26.8127	150.4833	160710C	Orana MB9-W	Upper Juandah CM	Orana MB9	ORG	INS
646	INS	-26.0152	150.0958	160887A	Peat MB2-P	Precipice Sandstone	Peat	ORG	INS
657	INS	-26.0171	150.0953	160795A	Peat MB3-H	Hutton Sandstone	Peat	ORG	INS
787	INS	-26.0152	150.0958	160979B	Peat MB1-B	Upper Baralaba CM	Peat	ORG	INS
871	INS	-26.1260	150.1260	207087A	SthBurunga-MB1-P	Precipice Sandstone	Peat 16	ORG	INS
863	INS	-26.1260	150.1260	180140A	SthBurunga-MB3-B	Bandanna Formation	Peat 16	ORG	INS
403	INS	-26.3995	149.6970	160762A	Ramyard MB5-W	Taroom CM	Raymard MB5	ORG	INS
402	INS	-26.3995	149.6970	160762B	Ramyard MB5-W	Lower Juandah CM	Raymard MB5	ORG	INS
400	INS	-26.3995	149.6970	160762C	Ramyard MB5-W	Upper Juandah CM	Raymard MB5	ORG	INS
651	INS	-26.3404	149.3884	160965A	Reedy Creek-INJ3-H	Hutton Sandstone	Reedy creek A	ORG	INS
652	INS	-26.3407	149.3882	160966A	Reedy Creek-INJ4-P	Precipice Sandstone	Reedy creek A	ORG	INS
444	RMV	-26.3577	149.4266	160546A	Reedy Ck MB3-H	Hutton Sandstone	Reedy Creek B	ORG	NR
640	INS	-26.3563	149.4267	160185A	Reedy Creek MB1-G	Gubberamunda Sandstone	Reedy Creek B	ORG	INS
438	INS	-26.3563	149.4267	160187A	Reedy Creek MB2-S	Springbok Sandstone	Reedy creek B	ORG	INS
443	INS	-26.3566	149.4269	160765A	Reedy Creek MB4-W	Taroom CM	Reedy Creek B	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
442	INS	-26.3566	149.4269	160765B	Reedy Creek MB4-W	Lower Juandah CM	Reedy Creek B	ORG	INS
440	INS	-26.3566	149.4269	160765C	Reedy Creek MB4-W	Upper Juandah CM	Reedy Creek B	ORG	INS
641	INS	-26.3562	149.4268	160184A	Reedy Creek SC1-WB	Westbourne Formation	Reedy creek B	ORG	INS
642	INS	-26.3589	149.4286	160964A	Reedy Creek-INJ2-P	Precipice Sandstone	Reedy Creek B	ORG	INS
813	INS	-25.9995	149.3915	160791A	Spring Gully MB7-P	Precipice Sandstone	Spring Gully	ORG	INS
814	INS	-25.9998	149.3913	160790A	Spring Gully MB8-H	Upper Hutton Sandstone	Spring Gully	ORG	INS
653	INS	-26.0005	149.0710	160020A	Spring Gully-DMH01	Upper Hutton Sandstone	Spring Gully DM	ORG	INS
654	INS	-26.0004	149.0714	160019A	Spring Gully-DMP01	Precipice Sandstone	Spring Gully DM	ORG	INS
815	INS	-25.6886	149.4056	160729A	Spring Gully MB10-H	Hutton Sandstone	Spring Gully North	ORG	INS
816	INS	-25.6890	149.4057	160742A	Spring Gully MB9-P	Precipice Sandstone	Spring Gully North	ORG	INS
656	INS	-26.0750	149.0138	160178A	Spring Gully MB4-H	Hutton Sandstone	Spring Gully PB3	ORG	INS
589	INS	-26.0751	149.0138	160737A	Spring Gully PB3	Precipice Sandstone	Spring Gully PB3	ORG	INS
647	INS	-25.9627	148.9511	160968A	Spring Gully MB14-H	Upper Hutton Sandstone	Spring Gully PB5	ORG	INS
592	INS	-25.9629	148.9507	160831A	Spring Gully PB5	Precipice Sandstone	Spring Gully PB5	ORG	INS
594	INS	-25.9508	148.9734	160743B	Spring Gully MB1-B	Bandanna Formation	SpringGully-MB1-B	ORG	INS
498	INS	-26.0794	149.1723	160768B	Spring Gully MB2-Br	Bandanna Formation	SpringGully-MB2-BR	ORG	INS
820	INS	-26.0788	149.1723	160669A	Spring Gully WB1-H	Hutton Sandstone	SpringGully-MB2-BR	ORG	INS
591	INS	-26.0428	149.0524	160825A	Spring Gully MB3-B	Bandanna Formation	SpringGully-MB3-B	ORG	INS
518	INS	-25.9121	149.1985	160809C	Spring Gully MB5-B	Bandanna Formation	SpringGully-MB5-B	ORG	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
273	INS	-26.8231	150.3492	160692C	TAL016	Upper Juandah CM	Talinga 16	ORG	INS
890	INS	-26.8596	150.3726	107624A	Condabilla House Bore	Alluvium	Talinga 16	ORG	INS
823	INS	-26.8166	150.3486	180131A	Talinga MB13-S	Lower Springbok Sandstone	Talinga 16	ORG	INS
239	INS	-26.9124	150.3654	160757A	Talinga 15	Tangalooma Sandstone	Talinga MB8	ORG	INS
237	INS	-26.9124	150.3654	160757B	Talinga 15	Upper Juandah CM	Talinga MB8	ORG	INS
242	INS	-26.8924	150.3689	160634A	Talinga MB3-H	Hutton Sandstone	Talinga MB8	ORG	INS
234	INS	-26.8930	150.3703	160050A	Talinga MB7-S	Upper Springbok Sandstone	Talinga MB8	ORG	INS
240	INS	-26.8937	150.3683	160756A	Talinga MB8-W	Taroom CM	Talinga MB8	ORG	INS
238	INS	-26.8937	150.3683	160756B	Talinga MB8-W	Lower Juandah CM	Talinga MB8	ORG	INS
236	INS	-26.8937	150.3683	160756C	Talinga MB8-W	Upper Juandah CM	Talinga MB8	ORG	INS
231	INS	-26.8929	150.3689	160195A	Talinga MB9-G	Gubberamunda Sandstone	Talinga MB8	ORG	INS
233	INS	-26.8932	150.3713	160051A	Talinga SC2-Wb	Westbourne Formation	Talinga MB8	ORG	INS
110	TBI	-27.2010	150.3710		Ironbark MB3-S	Lower Springbok Sandstone	West Tara	ORG	2025
113	TBI	-27.2010	150.3710		Duke 31	Lower Juandah CM	West Tara	ORG	2025
114	TBI	-27.2010	150.3710		Duke 31	Taroom CM	West Tara	ORG	2025
112	TBI	-27.2010	150.3710		Duke 31	Upper Juandah CM	West Tara	ORG	2025
115	TBI	-27.2010	150.3710		Ironbark MB5-H	Hutton Sandstone	West Tara	ORG	2025
631	TBI	-27.2010	150.3710		Ironbark MB9-G	Gubberamunda Sandstone	West Tara	ORG	2025
886	INS	-26.1592	149.5714		Arthur 226	Alluvium	Arthur	QGC	INS
893	INS	-26.1594	149.5690	208573A	Arthur 224	Walloon CM	Arthur	QGC	INS
892	INS	-26.1593	149.5691	208574A	Arthur 225	Lower Springbok Sandstone	Arthur	QGC	INS
342	INS	-26.6042	150.4138		Avon Downs 199	Upper Hutton Sandstone	Avon Downs 199	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
341	INS	-26.6042	150.4138		Avon Downs 199	Taroom CM	Avon Downs 199	QGC	INS
340	INS	-26.6042	150.4138		Avon Downs 252	Lower Juandah CM	Avon Downs 199	QGC	INS
293	INS	-26.6908	150.2670	160526A	Bellevue GW2	Upper Springbok Sandstone	Bellevue 1M	QGC	INS
297	INS	-26.6912	150.2673	160775A	Bellevue GW218	Taroom CM	Bellevue 1M	QGC	INS
296	INS	-26.6912	150.2673	160775C	Bellevue GW218	Lower Juandah CM	Bellevue 1M	QGC	INS
295	INS	-26.6912	150.2673	160775D	Bellevue GW218	Upper Juandah CM	Bellevue 1M	QGC	INS
712	INS	-26.8459	150.3005	208578A	Berwyndale South 217	Lower Springbok Sandstone	Berwyndale south	QGC	INS
254	INS	-26.8470	150.3001	160515A	Berwyndale South GW2	Upper Springbok Sandstone	Berwyndale south	QGC	INS
105	INS	-27.2713	151.0703	160599B	Broadwater GW11	Taroom CM	Broadwater	QGC	INS
104	INS	-27.2713	151.0703	160599C	Broadwater GW11	Lower Juandah CM	Broadwater	QGC	INS
103	INS	-27.2713	151.0703	160599D	Broadwater GW11	Upper Juandah CM	Broadwater	QGC	INS
106	INS	-27.2714	151.0704	160600A	Broadwater GW15	Hutton Sandstone	Broadwater	QGC	INS
101	INS	-27.2714	151.0705	160635A	Broadwater GW4	Lower Springbok Sandstone	Broadwater	QGC	INS
100	INS	-27.2743	151.0648	160674A	Broadwater GW7	Condamine Alluvium	Broadwater	QGC	INS
512	INS	-25.9454	149.7748	180037A	Cassio 211	Taroom CM	Cassio	QGC	INS
511	INS	-25.9454	149.7748	180037C	Cassio 211	Lower Juandah CM	Cassio	QGC	INS
510	INS	-25.9454	149.7748	180037D	Cassio 211	Upper Juandah CM	Cassio	QGC	INS
673	INS	-25.9456	149.7747	160505A	Cassio GW1	Hutton Sandstone	Cassio	QGC	INS
674	INS	-25.9455	149.7746	160504A	Cassio GW2	Precipice Sandstone	Cassio	QGC	INS
669	RMV	-25.9458	149.7756			Lower Springbok Sandstone	Cassio	QGC	NR
507	INS	-26.0301	149.6564	160714A	Charlie GW1	Hutton Sandstone	Charlie	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
714	INS	-26.0302	149.6565	160863A	Charlie GW2	Precipice Sandstone	Charlie	QGC	INS
522	INS	-25.9089	149.5400	160509A	Charlotte GW1	Hutton Sandstone	Charlotte	QGC	INS
524	INS	-25.9089	149.5401	160508A	Charlotte GW2	Precipice Sandstone	Charlotte	QGC	INS
521	INS	-25.9087	149.5402	160883A	Charlotte GW3	Taroom CM	Charlotte	QGC	INS
520	INS	-25.9087	149.5402	160883B	Charlotte GW3	Tangalooma Sandstone	Charlotte	QGC	INS
519	INS	-25.9087	149.5402	160883C	Charlotte GW3	Lower Juandah CM	Charlotte	QGC	INS
538	INS	-25.7635	149.9772	160473A	Coochiemudlo GW1	Hutton Sandstone	Coochiemudlo	QGC	INS
672	INS	-25.7634	149.9773	160474A	Coochiemudlo GW2	Precipice Sandstone	Coochiemudlo	QGC	INS
82	INS	-27.3628	150.8241	160852A	Cougals GW13	Taroom CM	Cougals GW13	QGC	INS
81	INS	-27.3628	150.8241	160852C	Cougals GW13	Lower Juandah CM	Cougals GW13	QGC	INS
80	INS	-27.3628	150.8241	160852D	Cougals GW13	Upper Juandah CM	Cougals GW13	QGC	INS
79	INS	-27.3628	150.8241	160852E	Cougals GW13	Upper Springbok Sandstone	Cougals GW13	QGC	INS
78	INS	-27.3627	150.8242	160696A	Cougals GW14	Gubberamunda Sandstone	Cougals GW13	QGC	INS
671	INS	-25.9742	149.4500	180034A	Fishburn 226	Hutton Sandstone	Fishburn 226	QGC	INS
670	INS	-25.9742	149.4500	180034D	Fishburn 226	Lower Juandah CM	Fishburn 226	QGC	INS
881	RMV	-25.9940	149.6400	0	Golden Grove 213	Walloon CM	Golden Grove	QGC	NR
880	INS	-25.9924	149.6418	123805A	Elimatta_MB15	Alluvium	Golden Grove	QGC	INS
70	INS	-27.3661	151.0316	160846A	Harry GW1	Upper Hutton Sandstone	Harry GW1	QGC	INS
69	INS	-27.3661	151.0316	160846B	Harry GW1	Taroom CM	Harry GW1	QGC	INS
68	INS	-27.3661	151.0316	160846D	Harry GW1	Lower Juandah CM	Harry GW1	QGC	INS
67	INS	-27.3661	151.0316	160846E	Harry GW1	Upper Juandah CM	Harry GW1	QGC	INS
66	INS	-27.3661	151.0316	160846F	Harry GW1	Lower Springbok Sandstone	Harry GW1	QGC	INS
65	INS	-27.3661	151.0316	160846G	Harry GW1	Westbourne Formation	Harry GW1	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
64	INS	-27.3630	151.0419	160811A	Harry GW9	Gubberamunda Sandstone	Harry GW1	QGC	INS
127	RMV	-27.2638	150.9684	160638A	Jen 1M	Taroom CM	Jen 1M	QGC	NR
126	RMV	-27.2638	150.9684	160638C	Jen 1M	Lower Juandah CM	Jen 1M	QGC	NR
124	INS	-27.2700	150.9607	208579A	Jen 223	Lower Springbok Sandstone	Jen 223	QGC	INS
125	INS	-27.2596	150.9435	208580A	Jen 224	Lower Springbok Sandstone	Jen 224	QGC	INS
122	INS	-27.2593	150.9374	160639A	Jen MW001	Gubberamunda Sandstone	Jen 224	QGC	INS
740	INS	-27.1606	150.6773	160866A	Jordan 14R	Upper Hutton Sandstone	Jordan 14R	QGC	INS
136	INS	-27.1606	150.6773	160866B	Jordan 14R	Taroom CM	Jordan 14R	QGC	INS
135	INS	-27.1606	150.6773	160866C	Jordan 14R	Lower Juandah CM	Jordan 14R	QGC	INS
134	INS	-27.1606	150.6773	160866D	Jordan 14R	Upper Juandah CM	Jordan 14R	QGC	INS
198	INS	-27.0230	150.5628	160601A	Kenya East GW32	Taroom CM	Kenya East GW32	QGC	INS
197	INS	-27.0230	150.5628	160601C	Kenya East GW32	Lower Juandah CM	Kenya East GW32	QGC	INS
196	INS	-27.0230	150.5628	160601D	Kenya East GW32	Upper Juandah CM	Kenya East GW32	QGC	INS
741	INS	-27.0225	150.5642	160525A	Kenya East GW4	Springbok Sandstone	Kenya East GW32	QGC	INS
199	INS	-27.0229	150.5628	160429A	Kenya East GW6	Hutton Sandstone	Kenya East GW32	QGC	INS
665	INS	-27.0229	150.5629	160428A	Kenya East GW8	Westbourne Formation	Kenya East GW32	QGC	INS
744	INS	-26.9493	150.4427	208576A	Kenya 249	Lower Springbok Sandstone	Kenya GW3	QGC	INS
743	INS	-26.9492	150.4428	208577A	Kenya 250	Upper Hutton Sandstone	Kenya GW3	QGC	INS
210	INS	-26.9493	150.4437	160597A	Kenya GW2	Upper Springbok Sandstone	Kenya GW3	QGC	INS
215	INS	-26.9492	150.4436	160826A	Kenya GW3	Taroom CM	Kenya GW3	QGC	INS
214	INS	-26.9492	150.4436	160826B	Kenya GW3	Lower Juandah CM	Kenya GW3	QGC	INS
213	INS	-26.9492	150.4436	160826C	Kenya GW3	Upper Juandah CM	Kenya GW3	QGC	INS
19	INS	-27.5485	150.8055	180027A	Massie 7	Hutton Sandstone	Massie 8	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
18	INS	-27.5486	150.8057	180045A	Massie 8	Taroom CM	Massie 8	QGC	INS
17	INS	-27.5486	150.8057	180045B	Massie 8	Lower Juandah CM	Massie 8	QGC	INS
16	INS	-27.5486	150.8057	180045C	Massie 8	Upper Juandah CM	Massie 8	QGC	INS
14	INS	-27.5486	150.8057	180045D	Massie 8	Lower Springbok Sandstone	Massie 8	QGC	INS
841	RMV	-25.7469	149.8254	160053A	160053	Upper Juandah CM	no nest	QGC	NR
291	INS	-26.7038	150.2461	160705A	BEL CPS Pond 2	Gubberamunda Sandstone	no nest	QGC	INS
862	INS	-25.9524	149.6894	180173A	Bloodworth 226	Alluvium	no nest	QGC	INS
879	INS	-25.9524	149.6894	180176A	Bloodworth 225	Walloon CM	no nest	QGC	INS
887	INS	-25.9294	149.4411	180179A	Fishburn 237	Alluvium	no nest	QGC	INS
883	INS	-27.0272	150.4886	208581A	Kate 242	Lower Springbok Sandstone	no nest	QGC	INS
884	INS	-27.0291	150.5479	208582A	Kenya East 256	Lower Springbok Sandstone	no nest	QGC	INS
192	INS	-27.0286	150.5485	160518A	Kenya East GW1	Gubberamunda Sandstone	no nest	QGC	INS
194	INS	-27.0284	150.5486	160519A	Kenya East GW2	Upper Springbok Sandstone	no nest	QGC	INS
200	INS	-27.0291	150.5744	160462A	Kenya East GW7	Precipice Sandstone	no nest	QGC	INS
840	INS	-25.7989	149.5590	180038A	Leghorn GW1	Taroom CM	no nest	QGC	INS
152	INS	-27.1712	150.7823	160521A	Poppy GW2	Lower Springbok Sandstone	no nest	QGC	INS
513	INS	-25.9725	149.4042	13030812A	RN13030812	Birkhead Formation	no nest	QGC	INS
549	INS	-25.7486	149.7333	13030814A	RN13030814	Lower Juandah CM	no nest	QGC	INS
644	INS	-26.8646	150.4870	42231522A	RN42231522	Upper Springbok Sandstone	no nest	QGC	INS
889	INS	-26.9492	150.4426		Kenya 248	Gubberamunda Sandstone	no nest	QGC	INS
867	INS	-25.7486	149.7333	208575A	Lucas 3	Upper Hutton Sandstone	no nest	QGC	INS
21	RMV	-27.6820	150.6830			Precipice Sandstone	no nest	QGC	NR
469	RMV	-26.3005	149.9134			Springbok Sandstone	no nest	QGC	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
471	RMV	-26.3005	149.9134			Lower Juandah CM	no nest	QGC	NR
472	RMV	-26.3005	149.9134			Taroom CM	no nest	QGC	NR
339	RMV	-26.6042	150.4138			Upper Juandah CM	no nest	QGC	NR
470	RMV	-26.3005	149.9134			Upper Juandah CM	no nest	QGC	NR
666	TBI	-26.3660	149.9780		Carla GW2	Upper Hutton Sandstone	Peebs	QGC	10km*
417	INS	-26.3656	149.9790	160720A	Peebs GW16	Taroom CM	Peebs	QGC	INS
416	INS	-26.3656	149.9790	160720C	Peebs GW16	Lower Juandah CM	Peebs	QGC	INS
415	INS	-26.3656	149.9790	160720D	Peebs GW16	Upper Juandah CM	Peebs	QGC	INS
411	INS	-26.3657	149.9788	160704A	Peebs GW17	Gubberamunda Sandstone	Peebs	QGC	INS
413	INS	-26.3657	149.9787	160694A	Peebs GW18	Upper Springbok Sandstone	Peebs	QGC	INS
503	INS	-26.0871	149.6309	180018A	Phillip 241	Springbok Sandstone	Phillip 5M	QGC	INS
788	INS	-26.0870	149.6309	160722A	Phillip 5M	Upper Hutton Sandstone	Phillip 5M	QGC	INS
506	INS	-26.0870	149.6309	160722B	Phillip 5M	Taroom CM	Phillip 5M	QGC	INS
505	INS	-26.0870	149.6309	160722C	Phillip 5M	Lower Juandah CM	Phillip 5M	QGC	INS
504	INS	-26.0870	149.6309	160722D	Phillip 5M	Upper Juandah CM	Phillip 5M	QGC	INS
795	INS	-26.1599	149.8117	208583A	Polaris 231	Upper Hutton Sandstone	Polaris GW24	QGC	INS
610	INS	-26.1568	149.7998	160853A	Polaris GW24	Taroom CM	Polaris GW24	QGC	INS
609	INS	-26.1568	149.7998	160853B	Polaris GW24	Lower Juandah CM	Polaris GW24	QGC	INS
608	INS	-26.1568	149.7998	160853C	Polaris GW24	Upper Juandah CM	Polaris GW24	QGC	INS
793	INS	-26.1568	149.7998	160853D	Polaris GW24	Upper Springbok Sandstone	Polaris GW24	QGC	INS
663	INS	-27.1661	150.8640	180017A	RubyJo 228	Westbourne Formation	Ruby jo	QGC	INS
133	INS	-27.1663	150.8642	160685A	RubyJo GW2	Springbok Sandstone	Ruby jo	QGC	INS
137	INS	-27.1663	150.8641	160439A	RubyJo GW3	Hutton Sandstone	Ruby jo	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
810	INS	-27.1663	150.8643	160907A	RubyJo GW5	Lower Springbok Sandstone	Ruby jo	QGC	INS
812	INS	-27.1338	150.7741	208584A	Sean 178	Lower Springbok Sandstone	Sean 17M	QGC	INS
155	INS	-27.1339	150.7740	208585B	Sean 179	Lower Juandah CM	Sean 17M	QGC	INS
156	INS	-27.1339	150.7740	208585A	Sean 179	Taroom CM	Sean 17M	QGC	INS
154	INS	-27.1339	150.7740	208585C	Sean 179	Upper Juandah CM	Sean 17M	QGC	INS
57	INS	-27.4675	150.6165	160810A	Teviot GW1	Gubberamunda Sandstone	Teviot GW4	QGC	INS
63	INS	-27.4675	150.6166	160672A	Teviot GW4	Precipice Sandstone	Teviot GW4	QGC	INS
62	INS	-27.4675	150.6166	160672B	Teviot GW4	Hutton Sandstone	Teviot GW4	QGC	INS
61	INS	-27.4675	150.6166	160672C	Teviot GW4	Taroom CM	Teviot GW4	QGC	INS
60	INS	-27.4675	150.6166	160672D	Teviot GW4	Lower Juandah CM	Teviot GW4	QGC	INS
59	INS	-27.4675	150.6166	160672E	Teviot GW4	Upper Juandah CM	Teviot GW4	QGC	INS
58	INS	-27.4675	150.6166	160672F	Teviot GW4	Lower Springbok Sandstone	Teviot GW4	QGC	INS
662	INS	-27.2985	150.6370	180001A	Will 3MR	Hutton Sandstone	Will GW1	QGC	INS
99	INS	-27.2990	150.6369	160562B	Will GW1	Taroom CM	Will GW1	QGC	INS
98	INS	-27.2990	150.6369	160562C	Will GW1	Lower Juandah CM	Will GW1	QGC	INS
97	INS	-27.2990	150.6369	160562D	Will GW1	Upper Juandah CM	Will GW1	QGC	INS
96	INS	-27.2990	150.6369	160562E	Will GW1	Upper Springbok Sandstone	Will GW1	QGC	INS
95	INS	-27.2990	150.6368	160695A	Will GW2	Gubberamunda Sandstone	Will GW1	QGC	INS
457	INS	-26.2820	149.7149	160522A	Woleebee Creek GW1	Gubberamunda Sandstone	Woleebee Creek GW	QGC	INS
467	INS	-26.2819	149.7142	160433A	Woleebee Creek GW3	Hutton Sandstone	Woleebee Creek GW	QGC	INS
667	INS	-26.2558	149.6988	160442A	Woleebee Creek GW10	Precipice Sandstone	Woleebee Creek GW	QGC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
462	INS	-26.2819	149.7144	160431A	Woleebee Creek GW7	Westbourne Formation	Woleebee Creek GW	QGC	INS
466	INS	-26.2819	149.7141	160432A	Woleebee Creek GW8	Eurombah Formation	Woleebee Creek GW	QGC	INS
465	INS	-26.2819	149.7141	160432B	Woleebee Creek GW8	Taroom CM	Woleebee Creek GW	QGC	INS
464	INS	-26.2819	149.7141	160432C	Woleebee Creek GW8	Tangalooma Sandstone	Woleebee Creek GW	QGC	INS
463	INS	-26.2819	149.7141	160432D	Woleebee Creek GW8	Lower Juandah CM	Woleebee Creek GW	QGC	INS
461	INS	-26.2819	149.7141	160432E	Woleebee Creek GW8	Upper Juandah CM	Woleebee Creek GW	QGC	INS
459	INS	-26.2819	149.7144	160430A	Woleebee Creek GW9	Lower Springbok Sandstone	Woleebee Creek GW	QGC	INS
678	INS	-26.3871	149.1261	180014A	ARMIDALE GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Armidale	SNT	INS
419	INS	-26.3872	149.1257	160823A	ARMIDALE GROUNDWATER BORE 01 (SPRINGBOK)	Lower Springbok Sandstone	Armidale	SNT	INS
418	INS	-26.3871	149.1256	160822A	ARMIDALE GROUNDWATER BORE 13 (GUBBERAMUNDA)	Gubberamunda Sandstone	Armidale	SNT	INS
426	RMV	-26.3873	149.1259	160776B	ARMIDALE MULTI-LEVEL	Lower Aquitard Of The Walloon CM	Armidale	SNT	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
424	RMV	-26.3873	149.1259	160776D	ARMIDALE MULTI-LEVEL	Tangalooma Sandstone	Armidale	SNT	NR
422	RMV	-26.3873	149.1259	160776F	ARMIDALE MULTI-LEVEL	Juandah CM	Armidale	SNT	NR
427	INS	-26.3873	149.1259	180094A	ARMIDALE MULTI-LEVEL 02	Upper Hutton Sandstone	Armidale	SNT	INS
423	INS	-26.3873	149.1259	180094C	ARMIDALE MULTI-LEVEL 02	Lower Juandah CM	Armidale	SNT	INS
425	INS	-26.3873	149.1259	180094B	ARMIDALE MULTI-LEVEL 02	Taroom CM	Armidale	SNT	INS
421	INS	-26.3873	149.1259	180094D	ARMIDALE MULTI-LEVEL 02	Upper Juandah CM	Armidale	SNT	INS
397	INS	-26.4302	149.3612	160391A	BEN BOW GROUNDWATER BORE 01 (ORALLO)	Orallo Formation	Ben Bow	SNT	INS
379	INS	-26.4302	149.3613	160400A	BEN BOW GROUNDWATER BORE 03 (GUBBERAMUNDA)	Gubberamunda Sandstone	Ben Bow	SNT	INS
381	RMV	-26.4948	149.3649	160646D	BENDEMERE 1 VWP	Upper Juandah CM	Ben Bow	SNT	NR
380	RMV	-26.4948	149.3649	160646E	BENDEMERE 1 VWP	Westbourne Formation	Ben Bow	SNT	NR
676	INS	-26.4334	149.3559	180096A	COTTAGE CREEK MULTI-LEVEL	Hutton Sandstone	Ben Bow	SNT	INS
675	INS	-26.4334	149.3559	180096E	COTTAGE CREEK MULTI-LEVEL	Lower Springbok Sandstone	Ben Bow	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
383	INS	-26.4335	149.3559	180096C	COTTAGE CREEK MULTI-LEVEL	Lower Juandah CM	Ben Bow	SNT	INS
384	INS	-26.4335	149.3559	180096B	COTTAGE CREEK MULTI-LEVEL	Lower Taroom CM	Ben Bow	SNT	INS
382	INS	-26.4335	149.3559	180096D	COTTAGE CREEK MULTI-LEVEL	Upper Juandah CM	Ben Bow	SNT	INS
396	RMV	-26.4303	149.3612	160636C	BEN BOW VWP	Mooga Sandstone	Ben Bow VWP	SNT	NR
387	INS	-26.4375	148.9212	160814A	BEVERLEY GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Beverley	SNT	INS
677	INS	-26.4392	148.9152	180095A	BEVERLEY MULTI-LEVEL	Hutton Sandstone	Beverley	SNT	INS
389	INS	-26.4392	148.9152	180095C	BEVERLEY MULTI-LEVEL	Lower Juandah CM	Beverley	SNT	INS
390	INS	-26.4392	148.9152	180095B	BEVERLEY MULTI-LEVEL	Taroom CM	Beverley	SNT	INS
388	INS	-26.4392	148.9152	180095D	BEVERLEY MULTI-LEVEL	Upper Juandah CM	Beverley	SNT	INS
352	INS	-26.5332	149.0546	160582A	BINBINETTE (GUBBERAMUNDA)	Gubberamunda Sandstone	Binbinette / Wingnut	SNT	INS
358	INS	-26.5333	149.0566	207748A	BINBINETTE MULTI-LEVEL 02	Upper Hutton Sandstone	Binbinette / Wingnut	SNT	INS
357	INS	-26.5333	149.0566	207748B	BINBINETTE MULTI-LEVEL 02	Taroom CM	Binbinette / Wingnut	SNT	INS
356	INS	-26.5333	149.0566	207748C	BINBINETTE MULTI-LEVEL	Lower Juandah CM	Binbinette / Wingnut	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
355	INS	-26.5333	149.0566	207748D	BINBINETTE MULTI-LEVEL	Upper Juandah CM	Binbinette / Wingnut	SNT	INS
353	INS	-26.5333	149.0566	207748E	BINBINETTE MULTI-LEVEL	Lower Springbok Sandstone	Binbinette / Wingnut	SNT	INS
328	INS	-26.6033	149.3932	160399A	BOXGROVE GROUNDWATER BORE 02 (MOOGA)	Mooga Sandstone	Boxgrove	SNT	INS
330	INS	-26.6035	149.3931	160397A	BOXGROVE GROUNDWATER BORE 04 (GUBBERAMUNDA)	Gubberamunda Sandstone	Boxgrove	SNT	INS
559	INS	-25.1086	148.9111	180008A	CATTLE CREEK 2H GAUGE 1	Clematis Sandstone	Cattle Creek	SNT	INS
560	INS	-25.1379	148.9062		CATTLE CREEK 13 GAUGE 1 (BANDANNA)	Bandanna Formation	Cattle Creek	SNT	INS
302	RMV	-26.6833	148.9923	160647A	COONARDOO 2 VWP	Lower Taroom CM	Coonardoo 2 VWP	SNT	NR
301	RMV	-26.6833	148.9923	160647B	COONARDOO 2 VWP	Lower Juandah CM	Coonardoo 2 VWP	SNT	NR
300	RMV	-26.6833	148.9923	160647C	COONARDOO 2 VWP	Upper Juandah CM	Coonardoo 2 VWP	SNT	NR
299	RMV	-26.6833	148.9923	160647F	COONARDOO 2 VWP	Gubberamunda Sandstone	Coonardoo 2 VWP	SNT	NR
298	RMV	-26.6833	148.9923	160647G	COONARDOO 2 VWP	Mooga Sandstone	Coonardoo 2 VWP	SNT	NR
338	RMV	-26.5826	148.8511	160727A	DAMPER CREEK 4A VWP	Eurombah Formation	Damper Creek 4A VWP	SNT	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
337	RMV	-26.5826	148.8511	160727B	DAMPER CREEK 4A VWP	Lower Taroom CM	Damper Creek 4A VWP	SNT	NR
336	RMV	-26.5826	148.8511	160727C	DAMPER CREEK 4A VWP	Lower Juandah CM	Damper Creek 4A VWP	SNT	NR
334	RMV	-26.5826	148.8511	160727D	DAMPER CREEK 4A VWP	Gubberamunda Sandstone	Damper Creek 4A VWP	SNT	NR
333	RMV	-26.5826	148.8511	160727E	DAMPER CREEK 4A VWP	Mooga Sandstone	Damper Creek 4A VWP	SNT	NR
335	INS	-26.5831	148.8568	207746D	RLHML 01 (ROMA LOGISTICS HUB MULTI-LEVEL)	Upper Springbok Sandstone	Roma Logistic Hub	SNT	INS
803	INS	-26.5831	148.8566	207743A	RLHGWG 01 (ROMA LOGISTICS HUB GROUNDWATER BORE 01)	Gubberamunda Sandstone	Roma Logistic Hub	SNT	INS
804	INS	-26.5831	148.8568	207746A	RLHML 01 (ROMA LOGISTICS HUB MULTI-LEVEL)	Upper Hutton Sandstone	Roma Logistic Hub	SNT	INS
809	INS	-26.5831	148.8568	207746B	RLHML 01 (ROMA LOGISTICS HUB MULTI-LEVEL)	Lower Juandah CM	Roma Logistic Hub	SNT	INS
807	INS	-26.5831	148.8568	207746C	RLHML 01 (ROMA LOGISTICS HUB MULTI-LEVEL)	Upper Juandah CM	Roma Logistic Hub	SNT	INS
587	INS	-25.6223	148.9619	160784E	FAIRVIEW 119 OB1	Bandanna Formation	Fairview 119 OB1	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
585	INS	-25.6221	148.9619	160783A	FAIRVIEW GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 119 OB1	SNT	INS
1055	INS	-25.6726	148.9106	33433A	WADDY BRAE BORE	Precipice Sandstone	no nest	SNT	INS
547	INS	-25.7537	149.0423	160700A	FAIRVIEW 289 OB1	Bandanna Formation	Fairview 289	SNT	INS
682	INS	-25.7256	149.0084	180098A	SPRINGWATER 12 OB1	Cattle Creek Formation	Fairview 289	SNT	INS
545	INS	-25.7539	149.0420	160780A	SPRINGWATER GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 289	SNT	INS
270	RMV	-26.7922	148.7417	160637A	HOLLYROOD 5 VWP	Upper Taroom CM	Hollyrood 5 VWP	SNT	NR
269	RMV	-26.7922	148.7417	160637B	HOLLYROOD 5 VWP	Upper Juandah CM	Hollyrood 5 VWP	SNT	NR
268	RMV	-26.7922	148.7417	160637C	HOLLYROOD 5 VWP	Gubberamunda Sandstone	Hollyrood 5 VWP	SNT	NR
577	INS	-25.9265	148.6358	180010A	KARANA GROUNDWATER BORE 01 (BANDANNA)	Bandanna Formation	Karana	SNT	INS
575	INS	-25.9266	148.6359	160818A	KARANA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Karana	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
576	INS	-25.9267	148.6359	160819A	KARANA GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Karana	SNT	INS
574	INS	-25.9252	148.6232	180009A	TARINGA 2 GAUGE 1 (TAROOM)	Taroom CM	Karana	SNT	INS
327	RMV	-26.6366	149.1119	160648A	LATEMORE SOUTH 2 VWP	Lower Taroom CM	Latemore South 2 VWP	SNT	NR
326	RMV	-26.6366	149.1119	160648C	LATEMORE SOUTH 2 VWP	Lower Juandah CM	Latemore South 2 VWP	SNT	NR
325	RMV	-26.6366	149.1119	160648D	LATEMORE SOUTH 2 VWP	Springbok Sandstone	Latemore South 2 VWP	SNT	NR
324	RMV	-26.6366	149.1119	160648E	LATEMORE SOUTH 2 VWP	Gubberamunda Sandstone	Latemore South 2 VWP	SNT	NR
394	RMV	-26.4391	148.8004	160733A	MONTANA 1 VWP	Lower Taroom CM	Montana 1	SNT	NR
393	RMV	-26.4391	148.8004	160733B	MONTANA 1 VWP	Lower Juandah CM	Montana 1	SNT	NR
392	RMV	-26.4391	148.8004	160733C	MONTANA 1 VWP	Upper Juandah CM	Montana 1	SNT	NR
391	RMV	-26.4391	148.8004	160733D	MONTANA 1 VWP	Gubberamunda Sandstone	Montana 1	SNT	NR
686	INS	-25.7310	148.8458	160661A	MOONAH GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	Moonah	SNT	INS
762	TBI	-25.7237	148.8564		Fairview 111 (FV10-16-1)	Bandanna Formation	Moonah	SNT	2022
680	INS	-26.2953	148.6332	209905B	MOUNT EDEN MULTI-LEVEL	Taroom CM	Mount Eden	SNT	INS
679	RMV	-26.2952	148.6330	160683B	MOUNT EDEN 1 VWP	Tangalooma Sandstone	Mount Eden	SNT	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
456	INS	-26.2953	148.6332	209905C	MOUNT EDEN MULTI-LEVEL	Lower Juandah CM	Mount Eden	SNT	INS
764	INS	-26.2953	148.6332	209905A	MOUNT EDEN MULTI-LEVEL	Upper Hutton Sandstone	Mount Eden	SNT	INS
765	INS	-26.2953	148.6332	209905D	MOUNT EDEN MULTI-LEVEL	Lower Springbok Sandstone	Mount Eden	SNT	INS
447	RMV	-26.3365	148.8384	160651C	NAVARRA 1 VWP	Springbok Sandstone	Navarra 1 VWP	SNT	NR
446	RMV	-26.3365	148.8384	160651D	NAVARRA 1 VWP	Gubberamunda Sandstone	Navarra 1 VWP	SNT	NR
558	INS	-25.2919	148.9283	160817A	ARCADIA BRANCH 2	Bandanna Formation	no nest	SNT	INS
684	RMV	-25.9146	150.0723	23147A	AVALON BORE	Precipice Sandstone	no nest	SNT	NR
687	INS	-25.9420	150.0744	160471A	AVALON MAR OBSERVATION BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
431	INS	-26.3788	148.9634	160393A	BELBRI GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	no nest	SNT	INS
429	RMV	-26.3789	148.9636	160395A	BELBRI GROUNDWATER BORE 01 (MOOGA)	Mooga Sandstone	no nest	SNT	NR
332	INS	-26.6034	149.3938	180006A	BOXGROVE GROUNDWATER BORE 01 (UPPER JUANDAH)	Upper Juandah CM	Boxgrove	SNT	INS
554	INS	-25.4896	148.9205	160816A	EMU NEST 1	Bandanna Formation	no nest	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
556	INS	-25.4571	149.0441	180093A	HUNGRY CREEK 1 GAUGE 1 (BANDANNA)	Bandanna Formation	no nest	SNT	INS
685	INS	-25.7347	149.0829	160649A	HUTTON CREEK MONITORING BORE 0902 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
711	INS	-25.8785	150.0742	58608A	KELSALL BORE	Hutton Sandstone	no nest	SNT	INS
555	INS	-25.3898	149.0275		Lynd Range 1 Ob1	Clematis Sandstone	no nest	SNT	INS
584	INS	-25.8245	148.7916	160660A	MOUNT HUTTON GROUNDWATER BORE 01 (HUTTON)	Hutton Sandstone	no nest	SNT	INS
563	INS	-24.8460	149.0977	57522A	MT NICHOLSON HOUSE BORE	Clematis Sandstone	no nest	SNT	INS
561	INS	-24.8935	149.0941	57565A	MT NICHOLSON STEEL YARDS BORE	Clematis Sandstone	no nest	SNT	INS
704	INS	-26.4208	149.2035	58477A	Raymount House bore	Gubberamunda Sandstone	no nest	SNT	INS
571	INS	-26.9116	149.3940	180106C	ROSTOCK 1 MULTI-LEVEL	Springbok Sandstone	no nest	SNT	INS
573	INS	-26.9116	149.3940	180106A	ROSTOCK 1 MULTI-LEVEL	Lower Juandah CM	no nest	SNT	INS
572	INS	-26.9116	149.3940	180106B	ROSTOCK 1 MULTI-LEVEL	Upper Juandah CM	no nest	SNT	INS
858	INS	-25.7628	148.7719	123532A	SPRING ROCK DEDICATED BORE 03 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
865	TBI	-25.7440	148.7634		Springrock 3	Cattle Creek Formation	no nest	SNT	2022
1063	INS	-25.7310	148.9810	160650A	SPRINGWATER CENTRAL PLATEAU MONITORING BORE 0903 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
690	INS	-25.7267	149.0183	160352A	SPRINGWATER GROUNDWATER BORE 05 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
688	INS	-25.7283	149.0819	160287A	SPRINGWATER HUB BORE FV04-05	Precipice Sandstone	no nest	SNT	INS
859	INS	-25.7138	149.0436	160289A	SPRINGWATER ITZA BORE FV04-04	Precipice Sandstone	no nest	SNT	INS
689	INS	-25.7245	149.0695	123457A	SPRINGWATER UMO YUMBA CAMP BORE	Precipice Sandstone	no nest	SNT	INS
683	INS	-25.7095	148.9516	160927A	SPRINGWATER WEST PLATEAU MONITORING BORE 0904 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
526	RMV	-25.7994	149.0646	160824A	STRATHBLANE GROUNDWATER BORE 01 (HUTTON)	Hutton Sandstone	no nest	SNT	NR
607	TBI	-25.3570	148.7511		Arcadia Valley 2	Bandanna Formation	no nest	SNT	2022

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
875	INS	-25.7326	149.1028	180160A	YEBNA GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
550	INS	-25.6441	149.1648	160820A	YEBNA GROUNDWATER BORE 01 (CLEMATIS)	Clematis Sandstone	no nest	SNT	INS
551	INS	-25.6496	149.1278		FV08-02-1	Bandanna Formation	no nest	SNT	INS
873	INS	-25.7544	148.8077	17568A	MOONAH GROUNDWATER BORE 04 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
1064	INS	-25.7685	148.8195		Moonah 3	Precipice Sandstone	no nest	SNT	INS
1065	TBI	-25.8201	148.8187	14837	Main Bore	Precipice Sandstone	no nest	SNT	2022
1066	TBI	-25.8189	148.8444	209438A	OK STATION GROUNDWATER BORE 07 (PRECIPICE)	Precipice Sandstone	no nest	SNT	2022
768	INS	-25.6574	148.6397	209906A	KIA ORA 2	Bandanna Formation	North Hutton Wallumbilla	SNT	INS
769	INS	-25.6589	148.6419	209907A	KIA ORA 3	Precipice Sandstone	North Hutton Wallumbilla	SNT	INS
533	INS	-25.7975	148.8635	160698C	FAIRVIEW 299 OB1	Bandanna Formation	OK Station	SNT	INS
681	INS	-25.7970	148.8630	160698D	FAIRVIEW 299 OB1	Cattle Creek Formation	OK Station	SNT	INS
532	INS	-25.7975	148.8637	180007A	OKSGWP01 OK STATION GROUNDWATER BORE 01	Precipice Sandstone	OK Station	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1057	INS	-25.7897	148.8715		OKSGWP04 OK STATION GROUNDWATER BORE 04	Precipice Sandstone	OK Station	SNT	INS
1058	INS	-25.7984	148.8729		OKSGWP05 OK STATION GROUNDWATER BORE 05	Precipice Sandstone	OK Station	SNT	INS
364	INS	-26.5059	149.7527	160583A	OLD BOGANDILLA GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	Old Bogandilla	SNT	INS
371	INS	-26.5060	149.7530	160813A	OLD BOGANDILLA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Old Bogandilla	SNT	INS
366	INS	-26.5059	149.7527	160812A	OLD BOGANDILLA GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Old Bogandilla	SNT	INS
369	INS	-26.5060	149.7530	207747B	OBGML01	Lower Juandah CM	Old Bogandilla	SNT	INS
370	INS	-26.5060	149.7530	207747A	OBGML01	Taroom CM	Old Bogandilla	SNT	INS
368	INS	-26.5060	149.7530	207747C	OBGML01	Upper Juandah CM	Old Bogandilla	SNT	INS
709	INS	-26.4283	149.2171	180105A	RAYMOUNT MULTI-LEVEL	Hutton Sandstone	Raymount	SNT	INS
705	INS	-26.4283	149.2171	180105E	RAYMOUNT MULTI-LEVEL	Lower Springbok Sandstone	Raymount	SNT	INS
707	INS	-26.4283	149.2171	180105C	RAYMOUNT MULTI-LEVEL	Lower Juandah CM	Raymount	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
708	INS	-26.4283	149.2171	180105B	RAYMOUNT MULTI-LEVEL	Taroom CM	Raymount	SNT	INS
706	INS	-26.4283	149.2171	180105D	RAYMOUNT MULTI-LEVEL	Upper Juandah CM	Raymount	SNT	INS
309	RMV	-26.6737	148.8464	160641A	RICHMOND 25 VWP	Lower Juandah CM	Richmond 25 VWP	SNT	NR
308	RMV	-26.6737	148.8464	160641B	RICHMOND 25 VWP	Upper Juandah CM	Richmond 25 VWP	SNT	NR
864	INS	-25.9705	150.0973		Scotia 30	Bandanna Formation	Scotia 30	SNT	INS
872	INS	-25.9762	150.0936		WOODROYD 3	Precipice Sandstone	Scotia 30	SNT	INS
582	INS	-25.9387	150.0589		SCOTIA 7	Bandanna Formation	Scotia 34	SNT	INS
363	RMV	-26.5268	149.2130	160652B	STAKEYARD EAST 1 VWP	Upper Juandah CM	Stakeyard East 1 VWP	SNT	NR
362	RMV	-26.5268	149.2130	160652C	STAKEYARD EAST 1 VWP	Upper Springbok Sandstone	Stakeyard East 1 VWP	SNT	NR
361	RMV	-26.5268	149.2130	160652E	STAKEYARD EAST 1 VWP	Gubberamunda Sandstone	Stakeyard East 1 VWP	SNT	NR
360	RMV	-26.5268	149.2130	160652F	STAKEYARD EAST 1 VWP	Mooga Sandstone	Stakeyard East 1 VWP	SNT	NR
528	INS	-25.7996	149.0648	160832A	Fairview 188 OB2	Bandanna Formation	Strathblane	SNT	INS
527	INS	-25.7995	149.0646	160667A	STRATHBLANE GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Strathblane	SNT	INS
386	RMV	-26.4652	149.0189	160640B	THE BEND VWP	Westbourne Formation	The Bend VWP	SNT	NR
385	RMV	-26.4652	149.0189	160640D	THE BEND VWP	Orallo Formation	The Bend VWP	SNT	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1056	TBI	-25.7864	148.8458		OKSGWBA 02 (OK STATION GROUNDWATER BORE 02)	Bandanna Formation	VW0902	SNT	2022
874	INS	-25.7864	148.8458	207430A	OKSGWP06 OK STATION GROUNDWATER BORE 06	Precipice Sandstone	VW0902	SNT	INS
540	INS	-25.7566	148.7907		MOONAH 1	Precipice Sandstone	VW0903 VWP (Precipice 1)	SNT	INS
274	INS	-26.7825	149.1969	160402A	WALLABELLA GROUNDWATER BORE 06 (GUBBERAMUNDA)	Gubberamunda Sandstone	Wallabella	SNT	INS
280	INS	-26.7874	149.2012	160673A	WALLABELLA MULTI-LEVEL	Hutton Sandstone	Wallabella	SNT	INS
276	INS	-26.7874	149.2012	160673E	WALLABELLA MULTI-LEVEL	Springbok Sandstone	Wallabella	SNT	INS
278	INS	-26.7874	149.2012	160673C	WALLABELLA MULTI-LEVEL	Lower Juandah CM	Wallabella	SNT	INS
279	INS	-26.7874	149.2012	160673B	WALLABELLA MULTI-LEVEL	Taroom CM	Wallabella	SNT	INS
277	INS	-26.7874	149.2012	160673D	WALLABELLA MULTI-LEVEL	Upper Juandah CM	Wallabella	SNT	INS
829	INS	-26.4000	149.0300	207429A	BGDGWG 01 (BRIGADOON GROUNDWATER BORE 01)	Gubberamunda Sandstone	West Armidale	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
824	INS	-26.4000	149.0300	207431A	BGDML 01 (BRIGADOON MULTI-LEVEL)	Upper Hutton Sandstone	West Armidale	SNT	INS
825	INS	-26.4000	149.0300	207431E	BGDML 01 (BRIGADOON MULTI-LEVEL)	Lower Springbok Sandstone	West Armidale	SNT	INS
827	INS	-26.4000	149.0300	207431C	BGDML 01 (BRIGADOON MULTI-LEVEL)	Lower Juandah CM	West Armidale	SNT	INS
828	INS	-26.4000	149.0300	207431B	BGDML 01 (BRIGADOON MULTI-LEVEL)	Taroom CM	West Armidale	SNT	INS
826	INS	-26.4000	149.0300	207431D	BGDML 01 (BRIGADOON MULTI-LEVEL)	Upper Juandah CM	West Armidale	SNT	INS
837	INS	-25.8402	148.7779		MOUNT HUTTON GROUNDWATER BORE 01	Boxvale Sandstone Member	West Hutton Wallumbilla	SNT	INS
838	INS	-25.8403	148.7780		MOUNT HUTTON GROUNDWATER BORE 02 (HUTTON)	Lower Hutton Sandstone	West Hutton Wallumbilla	SNT	INS
839	INS	-25.8404	148.7780		MOUNT HUTTON GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	West Hutton Wallumbilla	SNT	INS
553	INS	-25.6076	148.7650	160815A	FAIRVIEW 412 OB1	Bandanna Formation	Wyndham	SNT	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
552	INS	-25.6075	148.7654	160787A	WYNDHAM GROUNDWATER BORE 01 (CLEMATIS)	Clematis Sandstone	Wyndham	SNT	INS
543	INS	-25.7347	149.1255	160833D	Fairview 291 OB1	Bandanna Formation	Yebna	SNT	INS
541	INS	-25.7345	149.1252	160779A	YEBNA GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Yebna	SNT	INS
703	INS	-26.2148	148.9385	207089A	Dione-11M	Upper Hutton Sandstone	Dione-11M	SNX	INS
798	INS	-26.2148	148.9385	207089E	Dione-11M	Lower Springbok Sandstone	Dione-11M	SNX	INS
800	INS	-26.2148	148.9385	207089C	Dione-11M	Lower Juandah CM	Dione-11M	SNX	INS
801	INS	-26.2148	148.9385	207089B	Dione-11M	Taroom CM	Dione-11M	SNX	INS
799	INS	-26.2148	148.9385	207089D	Dione-11M	Upper Juandah CM	Dione-11M	SNX	INS
721	INS	-26.1893	148.9903	207090A	Dione-12M	Upper Hutton Sandstone	Dione-12M	SNX	INS
723	INS	-26.1893	148.9903	207090D	Dione-12M	Lower Juandah CM	Dione-12M	SNX	INS
724	INS	-26.1893	148.9903	207090B	Dione-12M	Taroom CM	Dione-12M	SNX	INS
722	INS	-26.1893	148.9903	207090C	Dione-12M	Tangalooma Sandstone	Dione-12M	SNX	INS
696	INS	-26.3031	149.1081	160989A	Glenora-4M	Upper Hutton Sandstone	Glenora-4M/6M	SNX	INS
695	INS	-26.3031	149.1081	160989B1	Glenora-4M	Taroom CM	Glenora-4M/6M	SNX	INS
694	INS	-26.3031	149.1081	160989C1	Glenora-4M	Lower Juandah CM	Glenora-4M/6M	SNX	INS
693	INS	-26.3031	149.1081	160989D	Glenora-4M	Upper Juandah CM	Glenora-4M/6M	SNX	INS
692	INS	-26.3031	149.1081	160989E1	Glenora-4M	Lower Springbok Sandstone	Glenora-4M/6M	SNX	INS
691	INS	-26.3032	149.1079	160924A	Glenora-6M	Gubberamunda Sandstone	Glenora-4M/6M	SNX	INS
702	INS	-26.3007	148.8517	180051A	Tethys-6M	Upper Hutton Sandstone	Tethys-6M	SNX	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
701	INS	-26.3007	148.8517	180051B	Tethys-6M	Taroom CM	Tethys-6M	SNX	INS
700	INS	-26.3007	148.8517	180051C	Tethys-6M	Lower Juandah CM	Tethys-6M	SNX	INS
699	INS	-26.3007	148.8517	180051D	Tethys-6M	Upper Juandah CM	Tethys-6M	SNX	INS
698	INS	-26.3007	148.8517	180051E	Tethys-6M	Lower Springbok Sandstone	Tethys-6M	SNX	INS
697	INS	-26.3007	148.8519	180050A	Tethys-7M	Gubberamunda Sandstone	Tethys-6M	SNX	INS
437	INS	-26.3853	149.8476	160764A	Woleebee-MB1W	Taroom CM	Woleebee MB	SNX	INS
436	INS	-26.3853	149.8476	160764B	Woleebee-MB1W	Lower Juandah CM	Woleebee MB	SNX	INS
435	INS	-26.3853	149.8476	160764C	Woleebee-MB1W	Upper Juandah CM	Woleebee MB	SNX	INS
433	INS	-26.3857	149.8478	160631A	Woleebee-MB3S	Upper Springbok Sandstone	Woleebee MB	SNX	INS
26	INS	-27.5973	150.8963	160554A	GilbertGully-MB1-G	Gubberamunda Sandstone	GilbertGully-MB3-W	TRI	INS
28	INS	-27.5975	150.8964	160728A	GilbertGully-MB2-S	Lower Springbok Sandstone	GilbertGully-MB3-W	TRI	INS
32	RMV	-27.5983	150.8988	160752A	GilbertGully-MB3-W	Taroom CM	GilbertGully-MB3-W	TRI	NR
31	RMV	-27.5983	150.8988	160752B	GilbertGully-MB3-W	Lower Juandah CM	GilbertGully-MB3-W	TRI	NR
30	RMV	-27.5983	150.8988	160752C	GilbertGully-MB3-W	Upper Juandah CM	GilbertGully-MB3-W	TRI	NR
885	RMV	-28.1984	151.0806			Walloon CM	no nest	TRI	NR
8	INS	-27.7948	150.9438	160670A	WaarWaar-MB2-S	Springbok Sandstone	WaarWaar	TRI	INS
13	INS	-27.7948	150.9443	160724A	WaarWaar-MB3-H	Hutton Sandstone	WaarWaar	TRI	INS
12	RMV	-27.7942	150.9460	160798A	WaarWaar-MB4-W	Taroom CM	WaarWaar-MB4-W	TRI	NR
11	RMV	-27.7942	150.9460	160798B	WaarWaar-MB4-W	Lower Juandah CM	WaarWaar-MB4-W	TRI	NR
10	RMV	-27.7942	150.9460	160798C	WaarWaar-MB4-W	Upper Juandah CM	WaarWaar-MB4-W	TRI	NR
1	INS	-27.9667	150.9196	160541A	ZigZag-MB1-G	Gubberamunda Sandstone	ZigZag	TRI	INS
7	RMV	-27.9650	150.9232	160465A	ZigZag-MB3-W	Taroom CM	ZigZag	TRI	NR
6	RMV	-27.9650	150.9232	160465B	ZigZag-MB3-W	Lower Juandah CM	ZigZag	TRI	NR

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
5	RMV	-27.9650	150.9232	160465C	ZigZag-MB3-W	Upper Juandah CM	ZigZag	TRI	NR
3	INS	-27.9651	150.9236	160466A	ZigZag-MB4-S	Lower Springbok Sandstone	ZigZag	TRI	INS
1102	INS	-26.9490	150.5943	119965A	KOGAN_CREEK_ CLYNES ROAD MONITORING BORE	Precipice Sandstone	no nest	CSE	INS
1101	INS	-26.9269	150.7987	207084	KOGAN_CREEK_ KC1276M	Condamine Alluvium	no nest	CSE	INS
1103	INS	-26.9248	150.7993	119865A	KOGAN_CREEK_ MB2	Condamine Alluvium	no nest	CSE	INS
1104	INS	-26.9393	150.7685	160248A	KOGAN_CREEK_ MB20	Springbok Sandstone	no nest	CSE	INS
1105	INS	-26.9237	150.7781	160251	KOGAN_CREEK_ MB21	Springbok Sandstone	no nest	CSE	INS
1106	INS	-26.9182	150.7459	147971A	KOGAN_CREEK_ MB24D-R	Walloon CM	no nest	CSE	INS
1107	INS	-26.9182	150.7465	207085	KOGAN_CREEK_ MB24I	Springbok Sandstone	no nest	CSE	INS
1108	INS	-26.9272	150.7791	147967A	KOGAN_CREEK_ MB25	Walloon CM	no nest	CSE	INS
1109	INS	-26.9390	150.8043	147966A	KOGAN_CREEK_ MB27	Walloon CM	no nest	CSE	INS
1110	INS	-26.9461	150.7871	147969A	KOGAN_CREEK_ MB29	Walloon CM	no nest	CSE	INS
1111	INS	-26.9256	150.7800	119866A	KOGAN_CREEK_ MB3	Condamine Alluvium	no nest	CSE	INS
1112	INS	-26.9584	150.7926	147973A	KOGAN_CREEK_ MB31	Walloon CM	no nest	CSE	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1115	INS	-26.9394	150.7720	119867A	KOGAN_CREEK_ MB4	Condamine Alluvium	no nest	CSE	INS
1113	INS	-26.9444	150.7703	207086	KOGAN_CREEK_ MB7-R	Walloon CM	no nest	CSE	INS
1114	INS	-26.9383	150.7465	119864	KOGAN_CREEK_ MB9	Springbok Sandstone	no nest	CSE	INS
1071	INS	-26.0991	149.8647	180144A	WANDOAN_ G8012-D	Upper Juandah CM	no nest	GNC	INS
1072	INS	-26.0991	149.8647	180145A	WANDOAN_ G8012-S	Alluvium	no nest	GNC	INS
1073	INS	-26.1187	149.8712	180146A	WANDOAN_ G8013-D	Upper Juandah CM	no nest	GNC	INS
1074	INS	-26.1187	149.8712	180147A	WANDOAN_ G8013-S	Alluvium	no nest	GNC	INS
1081	INS	-26.0317	149.6576	180148A	WANDOAN_ GW13B	Upper Juandah CM	no nest	GNC	INS
1075	INS	-26.1353	149.9503	180149A	WANDOAN_WMB2	Upper Juandah CM	no nest	GNC	INS
1076	INS	-26.1002	149.8944	180150A	WANDOAN_ WMB3-D	Upper Juandah CM	no nest	GNC	INS
1077	INS	-26.1002	149.8944	180150B	WANDOAN_ WMB3-S	Upper Juandah CM	no nest	GNC	INS
1079	TBI	-26.1317	149.9173			Alluvium	no nest	GNC	Mine*
1080	TBI	-26.1117	149.9297			Alluvium	no nest	GNC	Mine*
1078	TBI	-26.1317	149.9173			Upper Juandah CM	no nest	GNC	Mine*
1119	INS	-27.9387	151.3137	100933A	COMMODORE_ CMW102	Marburg Sandstone	no nest	GEN	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1120	INS	-27.9169	151.2635		COMMODORE_ CMW104	Marburg Sandstone	no nest	GEN	INS
1121	INS	-27.9239	151.2478		COMMODORE_ GW10	Taroom CM	no nest	GEN	INS
1122	INS	-27.9239	151.2478		COMMODORE_ GW11	Marburg Sandstone	no nest	GEN	INS
1123	INS	-27.9216	151.2715		COMMODORE_ GW12	Marburg Sandstone	no nest	GEN	INS
1124	INS	-27.9216	151.2715		COMMODORE_ GW13	Taroom CM	no nest	GEN	INS
1125	INS	-27.9216	151.2715		COMMODORE_ GW14	Alluvium	no nest	GEN	INS
1126	INS	-27.8717	151.3149	107335A	COMMODORE_ GW17	Marburg Sandstone	no nest	GEN	INS
1127	INS	-27.8718	151.3150	107336A	COMMODORE_ GW18	Taroom CM	no nest	GEN	INS
1128	INS	-27.9060	151.3499	107337A	COMMODORE_ GW19	Marburg Sandstone	no nest	GEN	INS
1129	INS	-27.9060	151.3497	107338A	COMMODORE_ GW20	Taroom CM	no nest	GEN	INS
1130	INS	-27.9079	151.2459	172878A	COMMODORE_ GW23	Taroom CM	no nest	GEN	INS
1131	INS	-27.9530	151.2480	18734A	COMMODORE_ GW4	Taroom CM	no nest	GEN	INS
1132	INS	-27.9292	151.2913		COMMODORE_ GW7	Taroom CM	no nest	GEN	INS
1082	INS	-25.9771	149.6488	123808A	ELIMATTA_MB13	Alluvium	no nest	NHP	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1083	INS	-26.0331	149.6290	123796A	ELIMATTA_MB3A	Upper Juandah CM	no nest	NHP	INS
1084	INS	-26.0331	149.6290	123797A	ELIMATTA_MB3B	Alluvium	no nest	NHP	INS
1085	INS	-26.0589	149.5989	123802A	ELIMATTA_MB7A	Upper Juandah CM	no nest	NHP	INS
1086	INS	-26.0589	149.5989	123813A	ELIMATTA_MB7B	Alluvium	no nest	NHP	INS
1087	INS	-26.0790	149.5919	123815A	ELIMATTA_MB8A	Upper Juandah CM	no nest	NHP	INS
1088	INS	-26.0791	149.5920	123816A	ELIMATTA_MB8B	Alluvium	no nest	NHP	INS
1133	INS	-27.3161	151.6927	192722A	NEW_ACLAND_ 111PgC Lower_R	Taroom CM	no nest	NHP	INS
1134	INS	-27.2731	151.6969	192000A	NEW_ACLAND_ 18PBR	Main Range Volcanics	no nest	NHP	INS
1135	INS	-27.2731	151.6968	192001A	NEW_ACLAND_ 18PCR	Taroom CM	no nest	NHP	INS
1136	INS	-27.2771	151.7556	107361A	NEW_ACLAND_ 21P	Upper Hutton Sandstone	no nest	NHP	INS
1137	INS	-27.2852	151.7342	137901A	NEW_ACLAND_ 2291P	Taroom CM	no nest	NHP	INS
1138	INS	-27.2653	151.7206	192154A	NEW_ACLAND_ 27PCR	Lower Taroom CM	no nest	NHP	INS
1139	INS	-27.2728	151.7120	172761A	NEW_ACLAND_ 3307_WBR	Mine Spoil	no nest	NHP	INS
1140	INS	-27.3042	151.7492	192723A	NEW_ACLAND_ 3314_WB	Taroom CM	no nest	NHP	INS
1141	INS	-27.2872	151.6914	172901A	NEW_ACLAND_ 34PR	Upper Hutton Sandstone	no nest	NHP	INS
1142	INS	-27.2624	151.7228	107386A	NEW_ACLAND_ 48P	Upper Hutton Sandstone	no nest	NHP	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1143	INS	-27.3005	151.7369	208588	NEW_ACLAND_81PCR	Taroom CM	no nest	NHP	INS
1144	INS	-27.3071	151.7249	192720A	NEW_ACLAND_82PcR	Taroom CM	no nest	NHP	INS
1145	INS	-27.2873	151.6913	192151A	NEW_ACLAND_10PBR	Main Range Volcanics	no nest	NHP	INS
1146	INS	-27.2771	151.6904	192152A	NEW_ACLAND_84PBR	Main Range Volcanics	no nest	NHP	INS
1147	INS	-27.2755	151.6837	147996A	NEW_ACLAND_BMH1	Main Range Volcanics	no nest	NHP	INS
1148	INS	-27.3232	151.6436	147950A	NEW_ACLAND_GW08B	Taroom CM	no nest	NHP	INS
1149	INS	-27.3230	151.6437	172181A	NEW_ACLAND_GW08C(3)	Upper Hutton Sandstone	no nest	NHP	INS
1150	INS	-27.3652	151.7242	172006A	NEW_ACLAND_GW09A	Alluvium	no nest	NHP	INS
1151	INS	-27.3651	151.7243	172007A	NEW_ACLAND_GW09B	Taroom CM	no nest	NHP	INS
1152	INS	-27.3649	151.7243	172003A	NEW_ACLAND_GW09C	Upper Hutton Sandstone	no nest	NHP	INS
1153	INS	-27.2709	151.6601	147149A	NEW_ACLAND_GW11A	Main Range Volcanics	no nest	NHP	INS
1154	INS	-27.2722	151.6620	147952A	NEW_ACLAND_GW11B	Upper Hutton Sandstone	no nest	NHP	INS
1155	INS	-27.2988	151.6348	172211A	NEW_ACLAND_GW12B	Taroom CM	no nest	NHP	INS
1156	INS	-27.3313	151.6371	172212A	NEW_ACLAND_GW13B	Lower Juandah CM	no nest	NHP	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1157	INS	-27.3386	151.6428	172102A	NEW_ACLAND_ GW14A(2)	Alluvium	no nest	NHP	INS
1158	INS	-27.2989	151.6336	172100A	NEW_ACLAND_ GW16A	Main Range Volcanics	no nest	NHP	INS
1159	INS	-27.3267	151.6654	172207A	NEW_ACLAND_ GW18	Taroom CM	no nest	NHP	INS
1160	INS	-27.3222	151.6702	172205A	NEW_ACLAND_ GW20A	Taroom CM	no nest	NHP	INS
1161	INS	-27.3223	151.6703	172203A	NEW_ACLAND_ GW20B	Taroom CM	no nest	NHP	INS
1162	INS	-27.3267	151.6659	172201A	NEW_ACLAND_ GW22A	Lower Juandah CM	no nest	NHP	INS
1163	INS	-27.3267	151.6661	172200A	NEW_ACLAND_ GW22B	Taroom CM	no nest	NHP	INS
1164	INS	-27.3268	151.6663	172430A	NEW_ACLAND_ GW22C	Taroom CM	no nest	NHP	INS
1165	INS	-27.3459	151.7557	119108A	NEW_ACLAND_ HELIDON	Precipice Sandstone	no nest	NHP	INS
1166	INS	-27.3224	151.6702	205468A	NEW_ACLAND_M4	Upper Hutton Sandstone	no nest	NHP	INS
1118	INS	-27.0407	150.9683	192729A	WILKIE_CREEK_ BORE_5	Alluvium	no nest	NWE	INS
1116	INS	-27.0435	150.9655	192724A	WILKIE_CREEK_ P01	Upper Juandah CM	no nest	NWE	INS
1117	INS	-27.0725	150.9691	192728A	WILKIE_CREEK_ P05	Upper Juandah CM	no nest	NWE	INS
1067	RMV	-26.2169	150.1998	180152	THE_RANGE_MB2	Lower Taroom CM	no nest	SNC	INS
1068	RMV	-26.2086	150.2484	180154	THE_RANGE_MB4	Lower Taroom CM	no nest	SNC	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1069	INS	-26.1853	150.2148	180155	THE_RANGE_MB5	Lower Taroom CM	no nest	TBC	INS
1070	RMV	-26.1853	150.2148			Upper Hutton Sandstone	no nest	SNC	2027
1089	INS	-26.6197	150.3395	168040A	CAMEBY_DOWNS_CD036R	Upper Juandah CM	no nest	YAN	INS
1100	INS	-26.6303	150.3534		CAMEBY_DOWNS_CD056	Upper Juandah CM	no nest	YAN	INS
1090	INS	-26.6135	150.3482	180143A	CAMEBY_DOWNS_CD065	Upper Juandah CM	no nest	YAN	INS
1091	INS	-26.6637	150.3301	123706A	CAMEBY_DOWNS_MB03R	Upper Juandah CM	no nest	YAN	INS
1092	INS	-26.6590	150.3899	123708A	CAMEBY_DOWNS_MB05	Upper Juandah CM	no nest	YAN	INS
1093	INS	-26.6178	150.3163	123709A	CAMEBY_DOWNS_MB06	Upper Juandah CM	no nest	YAN	INS
1167	INS	-26.6260	150.3329	123710A	CAMEBY_DOWNS_MB07	Upper Juandah CM	no nest	YAN	INS
1094	INS	-26.6450	150.3385	123711A	CAMEBY_DOWNS_MB08A	Upper Juandah CM	no nest	YAN	INS
1095	INS	-26.6450	150.3385	123712A	CAMEBY_DOWNS_MB08B	Lower Springbok Sandstone	no nest	YAN	INS
1096	INS	-26.6615	150.3358	123714A	CAMEBY_DOWNS_MB10A	Lower Springbok Sandstone	no nest	YAN	INS
1097	INS	-26.6615	150.3357	123715A	CAMEBY_DOWNS_MB10B	Alluvium	no nest	YAN	INS
1098	INS	-26.6635	150.3515	123716A	CAMEBY_DOWNS_MB12A	Lower Springbok Sandstone	no nest	YAN	INS

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1099	INS	-26.6636	150.3514	123717A	CAMEBY_DOWNS_MB12B	Alluvium	no nest	YAN	INS
1170	INS	-25.7960	148.9201	123590A	Moonah Yard Bore	Precipice Sandstone	no nest	SNT	INS
1171	INS	-25.7884	148.9228	123144A	Moonah House Bore	Precipice Sandstone	no nest	SNT	INS
1172	INS	-25.7314	148.7849	14838A	MOONAH LANDHOLDER BORE 03	Precipice Sandstone	no nest	SNT	INS
1176	INS	-25.7628	148.7718	123531A	SPRING ROCK DEDICATED BORE 02 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS
1177	TBI	-27.3522	151.1949			Condamine Alluvium	Nest_UWIR25_1	ARR	2026
1179	TBI	-27.4676	151.2230			Condamine Alluvium	Nest_UWIR25_3	ARR	2028
1188	TBI	-27.4676	151.2230			Lower Springbok Sandstone	Nest_UWIR25_3	ARR	2028
1189	TBI	-27.4676	151.2230			Upper Juandah CM	Nest_UWIR25_3	ARR	2028
1190	TBI	-27.3258	151.2405			Condamine Alluvium	Nest_UWIR25_2	ARR	2027
1191	TBI	-27.3258	151.2405			Lower Springbok Sandstone	Nest_UWIR25_2	ARR	2027
1192	TBI	-27.3258	151.2405			Upper Juandah CM	Nest_UWIR25_2	ARR	2027
1196	TBI	-27.3522	151.1949			Lower Springbok Sandstone	Nest_UWIR25_1	ARR	2026
1197	TBI	-27.3522	151.1949			Upper Juandah CM	Nest_UWIR25_1	ARR	2026
1198	TBI	-26.6407	149.1913			Lower Springbok Sandstone	Nest_UWIR25_8	SNT	2027
1200	TBI	-26.5388	149.4961			Lower Springbok Sandstone	Nest_UWIR25_7	SNT	2027
1201	TBI	-26.6407	149.1913			Upper Juandah CM	Nest_UWIR25_8	SNT	2027
1202	TBI	-26.6407	149.1913			Lower Juandah CM	Nest_UWIR25_8	SNT	2027
1203	TBI	-26.6407	149.1913			Taroom CM	Nest_UWIR25_8	SNT	2027

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1204	TBI	-26.5388	149.4961			Upper Juandah CM	Nest_UWIR25_7	SNT	2027
1205	TBI	-26.5388	149.4961			Lower Juandah CM	Nest_UWIR25_7	SNT	2027
1206	TBI	-26.5388	149.4961			Taroom CM	Nest_UWIR25_7	SNT	2027
1207	TBI	-27.0228	150.1748			Upper Juandah CM	Nest_UWIR25_6	ORG	2028
1208	TBI	-27.0228	150.1748			Lower Juandah CM	Nest_UWIR25_6	ORG	2028
1209	TBI	-27.0228	150.1748			Taroom CM	Nest_UWIR25_6	ORG	2028
1223	TBI	-25.9954	150.0297			Bandanna Formation	no nest	SNT	2027
1236	TBI	-27.4873	151.1828			Hutton Sandstone	Cecil West	ARR	2026
1237	TBI	-26.5388	149.4961			Hutton Sandstone	Nest_UWIR25_7	SNT	2027
1238	TBI	-26.6407	149.1913			Hutton Sandstone	Nest_UWIR25_8	SNT	2027
1239	TBI	-26.7726	150.5809			Condamine Alluvium	no nest	ORG	2027
1245	TBI	-25.6747	149.0111			Precipice Sandstone	no nest	SNT	2027
1246	INS	-25.7374	148.7422	17342		Precipice Sandstone	no nest	SNT	INS
1247	INS	-25.7452	148.7688	207745A		Precipice Sandstone	no nest	SNT	INS
1248	INS	-25.7453	148.7688	207744A		Precipice Sandstone	no nest	SNT	INS
1249	INS	-25.7559	148.7709	1000001129		Precipice Sandstone	no nest	SNT	INS
1250	INS	-25.7560	148.7709	1000001128		Precipice Sandstone	no nest	SNT	INS
1251	INS	-25.7975	148.8635	160698C		Bandanna Formation	Ok station	SNT	INS
1252	INS	-25.7975	148.8635	160698C		Bandanna Formation	Ok station	SNT	INS
1253	INS	-25.8049	148.7821	38896		Precipice Sandstone	no nest	SNT	INS
1260	TBI	-25.8785	150.0742			Precipice Sandstone	to be determined	SNT	2027
1262	TBI	-27.0228	150.1748			Lower Springbok Sandstone	Nest_UWIR25_6	ORG	2028
1263	TBI	-24.1633	148.4687			Alluvium	Mahalo	SNT	2027

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Time-frame
1264	TBI	-24.1633	148.4687			Bandanna Formation	Mahalo	SNT	2027
1267	INS	-25.7539	149.0420			Precipice Sandstone	Fairview 289	SNT	INS
1268	INS	-25.7310	148.8458			Precipice Sandstone	Moonah	SNT	INS
1269	INS	-25.7283	149.0819			Precipice Sandstone	no nest	SNT	INS
1270	INS	-25.7095	148.9516			Precipice Sandstone	no nest	SNT	INS
1271	INS	-25.7347	149.0829			Precipice Sandstone	no nest	SNT	INS
1272	INS	-25.7310	148.9810			Precipice Sandstone	no nest	SNT	INS
1273	INS	-25.7995	149.0646			Precipice Sandstone	Strathblane	SNT	INS

Schedule 3 Specifications of groundwater chemistry monitoring network

Table S3-1: Definitions for fields that describe the groundwater chemistry network

Field name	Description
OGIA MP ID	Unique identifier for each monitoring point
Install status	Installation status for each required monitoring point in the UWIR 2025 WMS **Abbreviations:** INS = installed, TBI = to be installed, RMV= removed
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 **Abbreviation:** CM = Coal Measures
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, ORG = Origin, QGC = QGC, SNT = Santos, SNX = Senex, TRI = Tri-Star
Timeframe	Year by which the monitoring point is required to be completed, repaired or replaced in accordance with the UWIR 2021 **Abbreviations:** INS = installed, 10km* = two years before production is planned within 10 km, UPC = upon production commencement, NR = not required
Network	Groundwater level, groundwater chemistry, or production well groundwater chemistry **Abbreviations:** GC = groundwater chemistry, PR = production well groundwater chemistry
WQ freq	Frequency of samples for groundwater chemistry monitoring points **Abbreviations**: 6 monthly = six-monthly ongoing sampling, 5 samples = Every six months if five samples haven't already been obtained, then on hold (if five samples are already obtained, then on hold), 12 monthly = every 12 months, 6 monthly SMIR = six-monthly ongoing as per SMIR

Table S3-2: 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 (µS/cm @ 25°C), pH, redox potential (Eh), temperature (°C), free gas at wellhead (CH_4)	Every six months until five samples are obtained	Every 12 months
	Laboratory analytes	Major cations and anions: calcium (Ca^{2+}), magnesium (Mg^{2+}), potassium (K^{+}), sodium (Na^{+}), bicarbonate(HCO_3^{-}), carbonate (CO_3^{-}), chloride (Cl^{-}), sulphate (SO_4^{2-}), total alkalinity		
		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 ($^{87}Sr/^{86}Sr$)	Once only in Springbok Sandstone, Hutton Sandstone, Precipice Sandstone	
		Metals (dissolved): strontium (Sr^{2+})		

Table S3-3: Groundwater chemistry network

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
477	INS	-26.2429	150.0500	160677A	Burunga Lane-176	Lower Hutton Sandstone	Burunga Lane	ARR	INS	5 samples
39	INS	-27.5330	151.3665	160657A	Carn Brea-17	Condamine Alluvium	Carn Brea South	ARR	INS	6 monthly
41	INS	-27.5330	151.3663	160688C	Carn Brea-18	Lower Juandah CM	Carn Brea South	ARR	INS	5 samples
45	INS	-27.5330	151.3662	160689B	Carn Brea-19	Upper Hutton Sandstone	Carn Brea South	ARR	INS	6 monthly
48	RMV	-27.5330	151.3660	160632A	Carn Brea-20	Precipice Sandstone	Carn Brea South	ARR	NR	
183	INS	-27.1004	150.9557	160350A	Daandine-121	Hutton Sandstone	Daandine 121	ARR	INS	5 samples
282	INS	-26.7422	150.6799	42230209 A	RN 42230209	Condamine Alluvium	Dundee 20	ARR	INS	6 monthly
739	INS	-27.7202	151.1565	160941A	Glenburnie-18	Lower Hutton Sandstone	Glenburnie-18	ARR	INS	6 monthly
479	RMV	-26.2427	150.0502	160686D	Burunga Lane-174	Precipice Sandstone	no nest	ARR	NR	
158	RMV	-27.1441	150.9480	160349A	Daandine-124	Westbourne Formation	no nest	ARR	NR	
52	INS	-27.4915	151.3932	42231370 A	RN 42231370	Condamine Alluvium	no nest	ARR	INS	6 monthly
253	RMV	-26.8663	150.7550	160563A	Wyalla-17	Precipice Sandstone	no nest	ARR	NR	
790	INS	-27.3868	151.2160	180046A	Plainview 36	Lower Springbok Sandstone	Plainview	ARR	INS	6 monthly

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
623	INS	-27.1989	151.0268	160871A	Stratheden-63	Lower Springbok Sandstone	Stratheden-63	ARR	INS	5 samples
85	INS	-27.3205	151.2054	160717A	Tipton-195	Condamine Alluvium	Tipton	ARR	INS	6 monthly
89	INS	-27.3202	151.2053	160751C	Tipton-197	Upper Juandah CM	Tipton	ARR	INS	5 samples
830	INS	-27.3830	151.1647	209131A	Tipton 202	Lower Springbok Sandstone	West Horrane	ARR	INS	5 samples
248	INS	-26.8662	150.7550	160642A	Wyalla-16	Condamine Alluvium	Wyalla	ARR	INS	6 monthly
482	INS	-26.2272	149.5631	160851A	Combabula 14	Walloon CM	Combabula A	ORG	INS	5 samples
481	INS	-26.2310	149.5645	160664A	Combabula MB2-S	Lower Springbok Sandstone	Combabula A	ORG	INS	5 samples
219	INS	-26.9417	150.2119	160627A	Condabri MB4-S	Upper Springbok Sandstone	Con140	ORG	INS	5 samples
217	RMV	-26.9417	150.2119	160628A	Condabri-MB3-G	Gubberamunda Sandstone	Con140	ORG	NR	
315	INS	-26.6864	150.2307	160850A	Condabri North 24	Walloon CM	Condabri MB10	ORG	INS	5 samples
716	INS	-26.6840	150.2257	160953A	Condabri-INJ4-H	Hutton Sandstone	Condabri MB10	ORG	INS	5 samples
319	INS	-26.6840	150.2262	160680A	Condabri-INJ5-P	Precipice Sandstone	Condabri MB10	ORG	INS	5 samples
718	INS	-26.7862	150.2264	160951B	Condabri-INJ1-H	Hutton Sandstone	Condabri MB12	ORG	INS	5 samples
313	INS	-26.6295	150.1455	160194A	Dalwogan MB2-S	Upper Springbok Sandstone	Dalwogan 12	ORG	INS	5 samples
345	INS	-26.5536	150.1040	160193A	Dalwogan MB4-S	Upper Springbok Sandstone	Dalwogan MB6	ORG	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
176	INS	-27.1083	150.2213	160681A	Duke 25	Springbok Sandstone	Duke	ORG	INS	5 samples
171	INS	-27.1083	150.3942	160682A	Duke 27	Springbok Sandstone	Ironbark MB1	ORG	INS	5 samples
187	INS	-27.0395	150.7806	160564A	Kainama MB2-S	Lower Springbok Sandstone	Kainama-MB1-W	ORG	INS	5 samples
405	RMV	-26.3997	149.5827	160617A	Lucky Gully MB1-G	Gubberamunda Sandstone	Lucky Gully	ORG	NR	
407	INS	-26.4032	149.5825	160777A	Lucky Gully MB2-S	Upper Springbok Sandstone	Lucky Gully	ORG	INS	5 samples
449	RMV	-26.3202	149.2627	160472A	Muggleton MB1-G	Gubberamunda Sandstone	Muggleton / Pine Hills	ORG	NR	
451	INS	-26.3202	149.2628	160507A	Muggleton MB2-S	Lower Springbok Sandstone	Muggleton / Pine Hills	ORG	INS	5 samples
351	RMV	-26.5400	149.9593	123130A	Bethel BT Roberts Bore 2	Mooga Sandstone	no nest	ORG	NR	
311	INS	-26.6350	149.6834	160723A	Carinya MB2-S	Upper Springbok Sandstone	no nest	ORG	INS	5 samples
304	RMV	-26.7145	149.9997	160749A	Carinya MB3-G	Gubberamunda Sandstone	no nest	ORG	NR	
306	INS	-26.7141	149.9995	160792A	Carinya MB4-S	Upper Springbok Sandstone	no nest	ORG	INS	5 samples
221	INS	-26.9311	150.2140	160849A	Condabri 16	Lower Juandah CM	no nest	ORG	INS	5 samples
260	INS	-26.8061	150.1819	160758A	Condabri 263	Walloon CM	no nest	ORG	INS	5 samples
257	RMV	-26.8086	150.1710	160719A	Condabri MB1-G	Gubberamunda Sandstone	no nest	ORG	NR	

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
259	INS	-26.8085	150.1710	160734A	Condabri MB2-S	Upper Springbok Sandstone	no nest	ORG	INS	6 monthly
202	INS	-27.0358	150.3061	160665A	Condabri MB6-S	Upper Springbok Sandstone	no nest	ORG	INS	5 samples
265	INS	-26.8079	150.1708	160655A	Condabri-MB9-H	Upper Hutton Sandstone	no nest	ORG	INS	6 monthly
499	INS	-26.0564	149.1691	160830A	Durham Ranch 131	Bandanna Formation	no nest	ORG	INS	5 samples
453	INS	-26.1799	149.1448	14395A	Meeleebee Downs Salty Bore	Upper Juandah CM	no nest	ORG	INS	5 samples
487	INS	-26.2227	149.1654	160862A	Meeleebee MB1-S	Springbok Sandstone	Meeleebee A	ORG	INS	5 samples
492	INS	-26.2218	149.1652	160972A	Meeleebee MB2-H	Hutton Sandstone	Meeleebee A	ORG	INS	6 monthly
856	INS	-26.3404	149.3884	160965A	Reedy Creek-INJ3-H	Hutton Sandstone	Reedy creek A	ORG	INS	5 samples
189	RMV	-27.0902	150.7971	160829A	Sean 8 - QGC	Taroom CM	no nest	ORG	NR	
857	INS	-25.8666	149.2170	160793A	Spring Gully MB17-H	Hutton Sandstone	no nest	ORG	INS	5 samples
530	INS	-25.8375	148.8510	160736A	Spring Gully PB1	Precipice Sandstone	no nest	ORG	INS	5 samples
852	INS	-26.0189	148.9895	160971A	Spring Gully PB6	Precipice Sandstone	no nest	ORG	INS	5 samples
272	INS	-26.7580	150.3603	160693A	Talinga MB11-S	Upper Springbok Sandstone	no nest	ORG	INS	5 samples
860	INS	-26.8490	150.3388	160975A	Talinga MB2-S	Springbok Sandstone	no nest	ORG	INS	5 samples
267	INS	-26.8086	150.5407	160977A	Orana MB6-H	Hutton Sandstone	Orana MB5	ORG	INS	5 samples
287	INS	-26.7419	150.4252	160547A	Orana MB15-S	Springbok Sandstone	Orana MB7	ORG	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
786	RMV	-26.0152	150.0958			Bandanna Formation	Peat	ORG	NR	
844	INS	-26.1260	150.1260	180140A	Sth-Burunga-MB3-B	Bandanna Formation	Peat 16	ORG	INS	5 samples
845	INS	-26.1260	150.1260	207087A	Sth-Burunga-MB1-P	Precipice Sandstone	Peat 16	ORG	INS	5 samples
441	INS	-26.3581	149.4235	160766A	Reedy Creek 6J	Juandah CM	Reedy Creek B	ORG	INS	5 samples
439	INS	-26.3563	149.4267	160187A	Reedy Creek MB2-S	Springbok Sandstone	Reedy creek B	ORG	INS	5 samples
445	INS	-26.3577	149.4266	160546A	Reedy Creek MB3-H	Hutton Sandstone	Reedy Creek B	ORG	INS	5 samples
817	INS	-26.0750	149.0137	160178A	Spring Gully MB4-H	Hutton Sandstone	Spring Gully PB3	ORG	INS	6 monthly
590	INS	-26.0751	149.0138	160737A	Spring Gully PB3	Precipice Sandstone	Spring Gully PB3	ORG	INS	5 samples
243	INS	-26.8924	150.3689	160634A	Talinga MB3-H	Hutton Sandstone	Talinga MB8	ORG	INS	6 monthly
235	INS	-26.8930	150.3703	160050A	Talinga MB7-S	Upper Springbok Sandstone	Talinga MB8	ORG	INS	5 samples
232	RMV	-26.8930	150.3703	160049	Talinga-MB5-G	Gubberamunda Sandstone	Talinga MB8	ORG	NR	
111	TBI	-27.2010	150.3710		Ironbark MB6-S	Lower Springbok Sandstone	West Tara	ORG	2025	5 samples
116	TBI	-27.2010	150.3710		Ironbark MB5-H	Upper Hutton Sandstone	West Tara	ORG	2025	5 samples
294	INS	-26.6908	150.2670	160526A	Bellevue GW2	Upper Springbok Sandstone	Bellevue 1M	QGC	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
255	INS	-26.8470	150.3001	160515A	Berwyndale South GW2	Upper Springbok Sandstone	Berwyndale south	QGC	INS	6 monthly
107	INS	-27.2714	151.0704	160600A	Broadwater GW15	Hutton Sandstone	Broadwater	QGC	INS	6 monthly
102	INS	-27.2714	151.0705	160635A	Broadwater GW4	Lower Springbok Sandstone	Broadwater	QGC	INS	6 monthly
713	INS	-26.0301	149.6564	160714A	Charlie GW1	Hutton Sandstone	Charlie	QGC	INS	5 samples
523	INS	-25.9089	149.5400	160509A	Charlotte GW1	Hutton Sandstone	Charlotte	QGC	INS	5 samples
525	INS	-25.9089	149.5401	160508A	Charlotte GW2	Precipice Sandstone	Charlotte	QGC	INS	5 samples
539	INS	-25.7635	149.9772	160473A	Coochiemudlo GW1	Hutton Sandstone	Coochiemudlo	QGC	INS	5 samples
742	INS	-26.9493	150.4436	208577A	Kenya 250	Upper Hutton Sandstone	Kenya GW3	QGC	INS	5 samples
211	INS	-26.9493	150.4437	160597A	Kenya GW2	Upper Springbok Sandstone	Kenya GW3	QGC	INS	5 samples
20	INS	-27.5485	150.8055	180027	Massie 7	Hutton Sandstone	Massie 8	QGC	INS	5 samples
292	RMV	-26.7038	150.2461	160705A	BEL CPS Pond 2	Gubberamunda Sandstone	no nest	QGC	NR	
123	RMV	-27.2593	150.9374	160639A	Jen_MW001	Gubberamunda Sandstone	no nest	QGC	NR	
212	RMV	-26.9534	150.4582		Kenya 150	Upper Juandah CM	no nest	QGC	NR	
193	INS	-27.0286	150.5485	160518A	Kenya East GW1	Gubberamunda Sandstone	no nest	QGC	INS	5 samples
195	INS	-27.0284	150.5486	160519A	Kenya East GW2	Upper Springbok Sandstone	no nest	QGC	INS	5 samples
853	INS	-26.9559	150.3565	160517A	Lauren GW2	Upper Springbok Sandstone	no nest	QGC	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
412	RMV	-26.3657	149.9788	160704A	Peebs GW17	Gubberamunda Sandstone	no nest	QGC	NR	
153	INS	-27.1712	150.7823	160521A	Poppy GW2	Lower Springbok Sandstone	no nest	QGC	INS	6 monthly
514	RMV	-25.9725	149.4042	13030812	RN13030812	Birkhead Formation	no nest	QGC	NR	
414	INS	-26.3657	149.9787	160694A	Peebs GW18	Upper Springbok Sandstone	Peebs	QGC	INS	5 samples
794	RMV	-26.1568	149.7998	160853D	Polaris GW24	Upper Springbok Sandstone	Polaris GW24	QGC	NR	
664	INS	-27.1661	150.8640	180017A	RubyJo 228	Westbourne Formation	Ruby jo	QGC	INS	5 samples
811	INS	-27.1337	150.7746	208585A	Sean 178	Lower Springbok Sandstone	Sean 17M	QGC	INS	5 samples
458	INS	-26.2820	149.7149	160522A	Woleebee Creek GW1	Gubberamunda Sandstone	Woleebee Creek GW	QGC	INS	5 samples
468	INS	-26.2819	149.7142	160433A	Woleebee Creek GW3	Hutton Sandstone	Woleebee Creek GW	QGC	INS	5 samples
668	INS	-26.2558	149.6988	160442A	Woleebee Creek GW10	Precipice Sandstone	Woleebee Creek GW	QGC	INS	5 samples
460	INS	-26.2819	149.7144	160430A	Woleebee Creek GW9	Lower Springbok Sandstone	Woleebee Creek GW	QGC	INS	5 samples
420	INS	-26.3872	149.1257	160823A	ARMIDALE GROUNDWATER BORE 01 (SPRINGBOK)	Lower Springbok Sandstone	Armidale	SNT	INS	6 monthly

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
329	RMV	-26.6033	149.3932	160399A	BOXGROVE GROUNDWATER BORE 02 (MOOGA)	Mooga Sandstone	Boxgrove	SNT	NR	
331	RMV	-26.6035	149.3931	160397A	BOXGROVE GROUNDWATER BORE 04 (GUBBERAMUNDA)	Gubberamunda Sandstone	Boxgrove	SNT	NR	
588	INS	-25.6333	148.9645	160834A	FAIRVIEW 95	Bandanna Formation	Fairview 119 OB1	SNT	INS	5 samples
546	INS	-25.7539	149.0420	160780A	SPRINGWATER GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Fairview 289	SNT	INS	6 monthly*
534	INS	-25.7658	148.8936	160778A	FAIRVIEW 205	Bandanna Formation	FV205	SNT	INS	5 samples
760	INS	-25.7237	148.8564		FV10-15-1	Bandanna Formation	Moonah	SNT	INS	5 samples
761	INS	-25.7310	148.8458	160661A	MOONAH GROUNDWATER BORE 02 (PRECIPICE)	Precipice Sandstone	Moonah	SNT	INS	6 monthly*
710	INS	-26.3225	148.8975	123050A	Brindley Park Groundwater Bore	Hutton Sandstone	no nest	SNT	INS	5 samples
846	INS	-25.7544	148.8077	17568A	MOONAH GROUNDWATER BORE 04 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
432	RMV	-26.3788	148.9634	160393A	BELBRI GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	no nest	SNT	NR	
430	RMV	-26.3789	148.9636	160395A	BELBRI GROUNDWATER BORE 01 (MOOGA)	Mooga Sandstone	no nest	SNT	NR	
398	RMV	-26.4302	149.3612	160391A	BEN BOW GROUNDWATER BORE 01 (ORALLO)	Orallo Formation	no nest	SNT	NR	
548	INS	-25.7288	148.9867	160715A	FAIRVIEW 185	Bandanna Formation	no nest	SNT	INS	5 samples
544	INS	-25.8023	149.0897	160716A	FAIRVIEW 275	Bandanna Formation	no nest	SNT	INS	5 samples
586	RMV	-25.6221	148.9619	160783A	FAIRVIEW GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	NR	
854	INS	-25.8245	148.7913	160506A	MOUNT HUTTON GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS	5 samples
564	RMV	-24.8460	149.0977	57522A	MT NICHOLSON HOUSE BORE	Clematis Sandstone	no nest	SNT	NR	
562	RMV	-24.8935	149.0941	57565A	MT NICHOLSON STEEL YARDS BORE	Clematis Sandstone	no nest	SNT	NR	

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
365	RMV	-26.5059	149.7527	160583A	OLD BOGANDILLA GROUNDWATER BORE 01 (GUBBERAMUNDA)	Gubberamunda Sandstone	no nest	SNT	NR	
395	RMV	-26.4303	149.3612	12728A	STRATHALAN NO. 2	Mooga Sandstone	no nest	SNT	NR	
275	RMV	-26.7825	149.1969	160402A	WALLABELLA GROUNDWATER BORE 06 (GUBBERAMUNDA)	Gubberamunda Sandstone	no nest	SNT	NR	
542	RMV	-25.7345	149.1252	160779A	YEBNA GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	no nest	SNT	NR	
767	INS	-25.6590	148.6417	209907A	KIA ORA 3	Precipice Sandstone	North Hutton Wallumbilla	SNT	INS	5 samples
770	INS	-25.7975	148.8635		FV15-08 1	Bandanna Formation	OK Station	SNT	INS	5 samples
372	INS	-26.5060	149.7530	160813A	OLD BOGANDILLA GROUNDWATER BORE 01 (HUTTON)	Lower Hutton Sandstone	Old Bogandilla	SNT	INS	5 samples
367	INS	-26.5059	149.7527	160812A	OLD BOGANDILLA GROUNDWATER BORE 01 (SPRINGBOK)	Springbok Sandstone	Old Bogandilla	SNT	INS	5 samples
847	RMV	-25.7864	148.8458			Precipice Sandstone	VW0902	SNT	NR	
434	INS	-26.3857	149.8478	160631A	Woleebee MB3-S	Upper Springbok Sandstone	Woleebee MB	SNX	INS	5 samples

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
29	INS	-27.5975	150.8964	160728A	GilbertGully-MB2-S	Lower Springbok Sandstone	GilbertGully-MB3-W	TRI	INS	5 samples
27	RMV	-27.5973	150.8963	160554A	GilbertGully-MB1-G	Gubberamunda Sandstone	no nest	TRI	NR	
2	RMV	-27.9667	150.9196	160541A	ZigZag-MB1-G	Gubberamunda Sandstone	no nest	TRI	NR	
9	INS	-27.7948	150.9438	160670A	WaarWaar-MB2-S	Springbok Sandstone	WaarWaar	TRI	INS	5 samples
4	INS	-27.9651	150.9236	160466A	ZigZag-MB4-S	Lower Springbok Sandstone	ZigZag	TRI	INS	5 samples
1168	INS	-25.7283	149.0819	160287A	SPRINGWATER HUB BORE FV04-05	Precipice Sandstone	no nest	SNT	INS	6 monthly*
1169	INS	-25.7095	148.9516	160927A	SPRINGWATER WEST PLATEAU MONITORING BORE 0904 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS	6 monthly*
1173	INS	-25.7347	149.0829	160649A	HUTTON CREEK MONITORING BORE 0902 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS	6 monthly*
1174	INS	-25.7310	148.9810	160650A	SPRINGWATER CENTRAL PLATEAU MONITORING BORE 0903 (PRECIPICE)	Precipice Sandstone	no nest	SNT	INS	6 monthly*

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
1175	INS	-25.7995	149.0646	160667A	STRATHBLANE GROUNDWATER BORE 01 (PRECIPICE)	Precipice Sandstone	Strathblane	SNT	INS	6 monthly*
1185	TBI	-27.4106	151.2792			Condamine Alluvium	Cecil East	ARR	2027	6 monthly
1186	TBI	-27.4106	151.2792			Lower Springbok Sandstone	Cecil East	ARR	2027	6 monthly
1187	TBI	-27.4106	151.2792			Upper Juandah CM	Cecil East	ARR	2027	6 monthly
1193	TBI	-27.3258	151.2405			Condamine Alluvium	Nest_UWIR25_2	ARR	2027	6 monthly
1194	TBI	-27.3258	151.2405			Lower Springbok Sandstone	Nest_UWIR25_2	ARR	2027	6 monthly
1195	TBI	-27.3258	151.2405			Upper Juandah CM	Nest_UWIR25_2	ARR	2027	6 monthly
1199	TBI	-26.6407	149.1913			Lower Springbok Sandstone	Nest_UWIR25_8	SNT	2027	6 monthly
1224	TBI	-25.9954	150.0297			Bandanna Formation	no nest	SNT	2027	6 monthly
1225	TBI	-25.6075	148.7650	160815A		Bandanna Formation	Wyndham	SNT	2027	6 monthly
1226	TBI	-25.4896	148.9205	160816A		Bandanna Formation	no nest	SNT	2026	6 monthly
1234	TBI	-27.4873	151.1828			Lower Springbok Sandstone	Cecil West	ARR	2026	6 monthly
1235	TBI	-27.4873	151.1828			Walloon CM	Cecil West	ARR	2026	6 monthly
INS	TBI	-27.1185	151.0756	160643A		Condamine Alluvium	Daleglade	ARR	2026	6 monthly
INS	TBI	-27.1990	151.0267	160870A		Condamine Alluvium	Stratheden-63	ARR	2026	6 monthly
1242	TBI	-27.1496	151.2094	160801C		Condamine Alluvium	Tipton 204	ARR	2026	6 monthly

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
1243	TBI	-27.2742	151.0647	160674A	Broadwater GW7	Condamine Alluvium	Broadwater	QGC	2026	6 monthly
1244	INS	-26.8951	150.9543	160918A		Condamine Alluvium	Macalister North	ARR	2026	6 monthly
1254	INS	-26.8951	150.9543	160919A		Taroom CM	Macalister North	ARR	2026	6 monthly
1255	TBI	-27.2521	151.2922	160800C		Condamine Alluvium	Plainview 25	ARR	2026	6 monthly
1256	TBI	-27.2521	151.2922	160800A		Walloon CM	Plainview 25	ARR	2026	6 monthly
1259	TBI	-26.3031	149.1081			Hutton Sandstone		SNX	2026	6 monthly
1261	TBI	-25.8785	150.0742			Precipice Sandstone	to be determined	SNT	2027	6 monthly

Table S3-4: Production well groundwater chemistry network

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
894	INS	-27.1051	150.9650		Daandine-36	Juandah CM	Daandine 121	ARR	INS	Annually
895	INS	-27.0986	150.9655		Daandine-37T	Taroom CM	Daandine 121	ARR	INS	Annually
909	INS	-27.1466	151.0032		Daandine-99	Walloon CM	no nest	ARR	INS	Annually
897	RMV	-27.0462	150.9212		Kogan North-29A	Juandah CM	no nest	ARR	NR	
898	RMV	-27.0461	150.9212		Kogan North-29T	Walloon CM	no nest	ARR	NR	
899	RMV	-27.0560	150.9096		Kogan North-44	Juandah CM	no nest	ARR	NR	
900	INS	-27.0558	150.9096		Kogan North-44T	Taroom CM	no nest	ARR	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
896	INS	-27.0336	150.9341		Kogan North-55	Walloon CM	no nest	ARR	INS	Annually
904	INS	-27.3623	151.1578		Tipton-115	Juandah CM	no nest	ARR	INS	Annually
908	INS	-27.4523	151.1284		Tipton-120	Taroom CM	no nest	ARR	INS	Annually
902	INS	-27.4522	151.1314		Tipton-121	Taroom CM	no nest	ARR	INS	Annually
903	INS	-27.4243	151.1683		Tipton-139	Walloon CM	no nest	ARR	INS	Annually
901	INS	-27.3765	151.1491		Tipton-33	Juandah CM	no nest	ARR	INS	Annually
905	INS	-27.3812	151.1244		Tipton-38	Juandah CM	no nest	ARR	INS	Annually
906	INS	-27.3814	151.1242		Tipton-38T	Taroom CM	no nest	ARR	INS	Annually
907	RMV	-27.4449	151.1191		Tipton-99	Juandah CM	no nest	ARR	NR	
910	TBI	-26.9910	150.8790			Walloon CM	no nest	ARR	UPC	Annually
320	TBI	-26.6450	149.8519	160748C		Upper Juandah CM	Byme Creek-MB1-W	ORG	UPC	Annually
728	INS	-25.8740	148.9260		DM-PW325	Bandanna Formation	Expedition Creek	ORG	INS	Annually
911	TBI	-27.0395	150.7806			Walloon CM	Kainama-MB1-W	ORG	UPC	Annually
946	TBI	-26.3906	149.5763			Walloon CM	Lucky Gully	ORG	UPC	Annually
915	INS	-26.1006	149.4309		Clifford East 24	Walloon CM	no nest	ORG	INS	Annually
920	INS	-26.2592	149.5280		Combabula 190	Walloon CM	no nest	ORG	INS	Annually
923	INS	-26.2855	149.4029		Combabula 256	Walloon CM	no nest	ORG	INS	Annually
922	INS	-26.2886	149.4570		Combabula 281	Walloon CM	no nest	ORG	INS	Annually
921	INS	-26.3071	149.5203		Combabula 445	Walloon CM	no nest	ORG	INS	Annually
916	INS	-26.1696	149.5358		Combabula North 110	Walloon CM	no nest	ORG	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
925	INS	-26.9947	150.2429		Condabri 189	Walloon CM	no nest	ORG	INS	Annually
926	INS	-26.7724	150.1971		Condabri 363	Walloon CM	no nest	ORG	INS	Annually
924	INS	-26.8550	150.2160		Condabri 423	Walloon CM	no nest	ORG	INS	Annually
917	INS	-26.6010	150.2303		Condabri North 170	Walloon CM	no nest	ORG	INS	Annually
919	INS	-27.0301	150.2340		Condabri South 172	Walloon CM	no nest	ORG	INS	Annually
918	INS	-27.0078	150.2851		Condabri South 35	Walloon CM	no nest	ORG	INS	Annually
928	INS	-26.0321	149.1231		Durham Ranch 10	Bandanna Formation	no nest	ORG	INS	Annually
931	INS	-26.1165	149.1893		Durham Ranch 187	Bandanna Formation	no nest	ORG	INS	Annually
932	INS	-26.1293	149.1657		Durham Ranch 207	Bandanna Formation	no nest	ORG	INS	Annually
934	INS	-25.8883	149.0069		Durham Ranch 272	Bandanna Formation	no nest	ORG	INS	Annually
933	INS	-26.0051	149.0507		Durham Ranch 275V	Bandanna Formation	no nest	ORG	INS	Annually
927	INS	-25.9936	149.1008		Durham Ranch 69	Bandanna Formation	no nest	ORG	INS	Annually
930	INS	-25.8472	149.0415		Durham Ranch 95	Bandanna Formation	no nest	ORG	INS	Annually
937	INS	-26.9531	150.5121		Orana 96	Walloon CM	no nest	ORG	INS	Annually
936	INS	-26.8137	150.5154		Orana North 154	Walloon CM	no nest	ORG	INS	Annually
938	INS	-26.0093	150.0620		Peat 440	Bandanna Formation	no nest	ORG	INS	Annually
939	INS	-26.2230	149.3966		Pine Hills 49	Walloon CM	no nest	ORG	INS	Annually
401	TBI	-26.4527	149.7087	160808A	Ramyard 19-CW	Walloon CM	no nest	ORG	UPC	Annually
940	INS	-26.3549	149.4212		Reedy Creek 5	Walloon CM	no nest	ORG	INS	Annually
941	INS	-26.3336	149.4017		Reedy Creek 59	Walloon CM	no nest	ORG	INS	Annually
943	INS	-25.9387	149.1766		Spring Gully 109	Bandanna Formation	no nest	ORG	INS	Annually
929	INS	-25.9602	149.0937		Spring Gully 18	Bandanna Formation	no nest	ORG	INS	Annually
942	INS	-25.8821	149.1210		Spring Gully 8	Bandanna Formation	no nest	ORG	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
935	INS	-25.8391	149.1654		Spring Gully 94	Bandanna Formation	no nest	ORG	INS	Annually
782	INS	-26.7987	150.4083		Talinga 156	Walloon CM	no nest	ORG	INS	Annually
945	INS	-26.7582	150.3612		Talinga 251	Walloon CM	no nest	ORG	INS	Annually
944	INS	-26.8864	150.3618		Talinga 36	Walloon CM	no nest	ORG	INS	Annually
947	TBI	-26.3557	149.6270			Walloon CM	no nest	ORG	UPC	Annually
948	TBI	-26.3247	149.2937			Walloon CM	no nest	ORG	UPC	Annually
949	TBI	-26.3918	149.2930			Walloon CM	no nest	ORG	UPC	Annually
912	INS	-26.8801	150.5055		Orana North 14	Walloon CM	Orana MB4	ORG	INS	Annually
913	INS	-26.7417	150.4220		Talinga 288	Walloon CM	Orana MB7	ORG	INS	Annually
914	INS	-25.9242	148.9859		Durham Ranch 315	Bandanna Formation	SpringGully-MB1-B	ORG	INS	Annually
950	INS	-26.8468	150.3002		Berwyndale South 50	Walloon CM	Berwyndale south	QGC	INS	Annually
951	INS	-27.2908	151.0706		Broadwater 162	Walloon CM	Broadwater	QGC	INS	Annually
952	INS	-26.9534	150.4582	180035	Kenya 150	Upper Juandah CM	Kenya GW3	QGC	INS	Annually
953	INS	-26.0672	149.7673		Acrux 149	Walloon CM	no nest	QGC	INS	Annually
954	INS	-26.8645	150.4750		Argyle 163	Walloon CM	no nest	QGC	INS	Annually
955	INS	-26.0827	149.5774		Arthur 108	Walloon CM	no nest	QGC	INS	Annually
956	INS	-26.6489	150.3598		Avon Downs 184	Walloon CM	no nest	QGC	INS	Annually
957	INS	-26.6754	150.2885		Bellevue 111	Walloon CM	no nest	QGC	INS	Annually
958	INS	-26.7275	150.3090		Bellevue 3	Walloon CM	no nest	QGC	INS	Annually
959	INS	-26.7742	150.2835		Berwyndale 8	Walloon CM	no nest	QGC	INS	Annually
1059	INS	-26.8739	150.3149		Berwyndale South 8	Walloon CM	no nest	QGC	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
960	INS	-25.9893	149.7061		Bloodworth 170	Walloon CM	no nest	QGC	INS	Annually
961	INS	-25.9857	149.5723		Borrowdale 166	Walloon CM	no nest	QGC	INS	Annually
962	INS	-26.2454	149.7093		Cam 223	Walloon CM	no nest	QGC	INS	Annually
963	INS	-26.1606	149.6820		Cameron 220	Walloon CM	no nest	QGC	INS	Annually
964	INS	-27.1933	150.7225		Celeste 148	Walloon CM	no nest	QGC	INS	Annually
998	INS	-27.2201	150.7275		Celeste 188	Walloon CM	no nest	QGC	INS	Annually
965	INS	-26.0241	149.6383		Charlie 129	Walloon CM	no nest	QGC	INS	Annually
966	INS	-27.2619	150.8987		Clunie 111	Walloon CM	no nest	QGC	INS	Annually
967	INS	-27.0158	150.3775		Codie 6	Walloon CM	no nest	QGC	INS	Annually
968	INS	-27.1294	150.8705		David 167	Walloon CM	no nest	QGC	INS	Annually
969	INS	-27.3588	150.9606		Glendower 132	Walloon CM	no nest	QGC	INS	Annually
970	INS	-27.4040	150.9376		Glendower 205	Walloon CM	no nest	QGC	INS	Annually
971	INS	-25.9970	149.6305		Golden Grove 163	Walloon CM	no nest	QGC	INS	Annually
972	INS	-27.3426	151.0578		Harry 122	Walloon CM	no nest	QGC	INS	Annually
973	INS	-27.2114	150.9645		Isabella 164	Walloon CM	no nest	QGC	INS	Annually
974	INS	-27.2352	150.9237		Isabella 199	Walloon CM	no nest	QGC	INS	Annually
975	INS	-27.2475	150.9814		Isabella 221	Walloon CM	no nest	QGC	INS	Annually
976	INS	-27.0316	150.6079		Jammat 148	Walloon CM	no nest	QGC	INS	Annually
977	INS	-27.2776	150.9659		Jen 118	Walloon CM	no nest	QGC	INS	Annually
978	INS	-27.2555	150.9358		Jen 132	Walloon CM	no nest	QGC	INS	Annually
979	INS	-27.0457	150.4746		Kate 3	Walloon CM	no nest	QGC	INS	Annually
980	INS	-26.2086	149.6301		Kathleen 156	Walloon CM	no nest	QGC	INS	Annually
981	INS	-26.9762	150.4518		Kenya 5	Walloon CM	no nest	QGC	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
982	INS	-27.0328	150.5508		Kenya East 154	Walloon CM	no nest	QGC	INS	Annually
983	INS	-26.9660	150.3750		Lauren 36	Walloon CM	no nest	QGC	INS	Annually
984	INS	-26.2999	149.7521		Mamdal 173	Walloon CM	no nest	QGC	INS	Annually
985	INS	-26.9512	150.2694		Matilda-John 153	Walloon CM	no nest	QGC	INS	Annually
986	INS	-26.9596	150.3301		Matilda-John 179	Walloon CM	no nest	QGC	INS	Annually
987	RMV	-26.7131	150.3383		McNulty 170	Walloon CM	no nest	QGC	NR	
988	INS	-26.7191	150.3843		McNulty 184	Walloon CM	no nest	QGC	INS	Annually
989	INS	-26.9852	150.6466		Owen 208	Walloon CM	no nest	QGC	INS	Annually
990	INS	-26.0161	149.5725		Penrhyn 233	Walloon CM	no nest	QGC	INS	Annually
991	INS	-26.0939	149.6037		Phillip 115	Walloon CM	no nest	QGC	INS	Annually
992	INS	-26.1353	149.7898		Polaris 184	Walloon CM	no nest	QGC	INS	Annually
993	INS	-26.0350	149.6822		Portsmouth 231	Walloon CM	no nest	QGC	INS	Annually
994	INS	-26.2834	149.6356		Ross 156	Walloon CM	no nest	QGC	INS	Annually
995	INS	-27.2127	150.8717		RubyJo 183	Walloon CM	no nest	QGC	INS	Annually
996	INS	-27.1209	150.7770		Sean 142	Walloon CM	no nest	QGC	INS	Annually
997	INS	-26.2808	149.7251		Woleebee Creek 150	Walloon CM	Woleebee Creek GW	QGC	INS	Annually
999	INS	-26.3873	149.1304		RM03-61 1	Walloon CM	Armidale	SNT	INS	Annually
1000	INS	-25.7242	148.9717		FV11-67-1	Bandanna Formation	no nest	SNT	INS	Annually
1001	INS	-25.2323	148.9019		AC18-97 6	Bandanna Formation	no nest	SNT	INS	Annually
1003	INS	-25.3573	148.8509		AC23-35 1	Bandanna Formation	no nest	SNT	INS	Annually
1031	INS	-26.4411	149.3893		BEN BOW 3	Walloon CM	no nest	SNT	INS	Annually
1032	INS	-26.4468	149.3815		BEN BOW 4	Walloon CM	no nest	SNT	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
1020	INS	-26.3531	149.1501		COXON CREEK EAST 1	Walloon CM	no nest	SNT	INS	Annually
1034	INS	-25.9480	150.0511		DALDOWIE 6	Bandanna Formation	no nest	SNT	INS	Annually
1013	INS	-25.7922	148.9648		FAIRVIEW 127	Bandanna Formation	no nest	SNT	INS	Annually
1010	INS	-25.6839	149.0242		FAIRVIEW 141	Bandanna Formation	no nest	SNT	INS	Annually
1007	INS	-25.6761	148.9791		FAIRVIEW 168	Bandanna Formation	no nest	SNT	INS	Annually
1006	INS	-25.6492	148.9298		FAIRVIEW 36	Bandanna Formation	no nest	SNT	INS	Annually
1009	INS	-25.6791	148.8960		FAIRVIEW 42	Bandanna Formation	no nest	SNT	INS	Annually
1004	INS	-25.6021	148.9013		FAIRVIEW 502	Bandanna Formation	no nest	SNT	INS	Annually
1005	INS	-25.5928	148.9473		FAIRVIEW 506	Bandanna Formation	no nest	SNT	INS	Annually
1008	INS	-25.6382	149.1393		FV08-18 1	Bandanna Formation	no nest	SNT	INS	Annually
1011	INS	-25.7168	149.1061		FV13-14 8	Bandanna Formation	no nest	SNT	INS	Annually
1012	INS	-25.8299	148.8824		FV15-19 1	Bandanna Formation	no nest	SNT	INS	Annually
1014	INS	-26.3382	149.0457		HERMITAGE 10	Walloon CM	no nest	SNT	INS	Annually
1002	INS	-25.2771	148.8596		MOUNT KINGSLEY 14	Bandanna Formation	no nest	SNT	INS	Annually
1027	INS	-26.4991	149.0758		RASLIE 11	Walloon CM	no nest	SNT	INS	Annually
1015	INS	-26.3473	149.0757		RM02-11 1	Walloon CM	no nest	SNT	INS	Annually
1016	INS	-26.3595	149.0570		RM02-24 1	Walloon CM	no nest	SNT	INS	Annually
1017	INS	-26.3763	149.0612		RM02-30 1	Walloon CM	no nest	SNT	INS	Annually
1018	INS	-26.3705	149.0760		RM02-31 1	Walloon CM	no nest	SNT	INS	Annually
1019	INS	-26.3934	149.0704		RM02-36 1	Walloon CM	no nest	SNT	INS	Annually
1021	INS	-26.3772	149.0964		RM03-44 1	Walloon CM	no nest	SNT	INS	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
1022	INS	-26.3871	149.0254		RM07-08-2	Walloon CM	no nest	SNT	INS	Annually
1023	INS	-26.4085	148.9849		RM07-17 1	Walloon CM	no nest	SNT	INS	Annually
1024	INS	-26.4322	149.0902		RM09-10 1	Walloon CM	no nest	SNT	INS	Annually
1025	INS	-26.4191	149.1115		RM09-56 1	Walloon CM	no nest	SNT	INS	Annually
1026	INS	-26.4835	149.0218		RM12-10 1	Walloon CM	no nest	SNT	INS	Annually
1029	INS	-26.5153	149.1929		RM15-07 1	Walloon CM	no nest	SNT	INS	Annually
1038	TBI	-26.5730	149.4087		RM40-147-1	Walloon CM	no nest	SNT	UPC	Annually
1033	INS	-26.4722	149.2814		RM49-117 1	Walloon CM	no nest	SNT	INS	Annually
1037	INS	-26.4601	149.2074		RM68-82 1	Walloon CM	no nest	SNT	INS	Annually
1028	INS	-26.4693	149.1568		SAWPIT CREEK 3	Walloon CM	no nest	SNT	INS	Annually
1036	INS	-25.8803	150.0677		THE ROCK 6	Bandanna Formation	no nest	SNT	INS	Annually
1030	INS	-26.4541	149.2826		TREVILLE DOWNS 5	Walloon CM	no nest	SNT	INS	Annually
1035	INS	-25.9886	150.1012		WOODROYD 1	Bandanna Formation	no nest	SNT	INS	Annually
766	TBI	-25.6510	148.6260			Bandanna Formation	North Hutton Wallumbilla	SNT	UPC	Annually
1046	INS	-26.2070	149.7930		Atlas-61	Walloon CM	no nest	SNX	INS	Annually
1039	INS	-26.3272	149.0390		Eos-1	Walloon CM	no nest	SNX	INS	Annually
1040	INS	-26.3128	149.0401		Eos-33	Walloon CM	no nest	SNX	INS	Annually
1044	INS	-26.2741	149.0598		Eos-23	Walloon CM	no nest	SNX	INS	Annually
1041	INS	-26.3274	149.0615		Eos-4	Walloon CM	no nest	SNX	INS	Annually
1045	INS	-26.2744	149.1094		Glenora-49	Walloon CM	no nest	SNX	INS	Annually
1042	TBI	-26.2071	148.9265			Walloon CM	no nest	SNX	UPC	Annually
1043	TBI	-26.2069	148.9424			Walloon CM	no nest	SNX	UPC	Annually

OGIA MP ID	Install status	Latitude	Longitude	RN and pipe	Bore name	Formation	Nest name	RTH	Timeframe	WQ freq.
1210	TBI	-27.3182	151.1782			Walloon CM	no nest	ARR	2026	Annually
1211	TBI	-27.2721	151.0868			Walloon CM	no nest	ARR	2026	Annually
1212	TBI	-27.2727	151.0720			Walloon CM	no nest	QGC	2026	Annually
1213	TBI	-27.0808	150.9437			Walloon CM	no nest	ARR	2026	Annually
1214	INS	-27.0062	150.3918			Walloon CM	no nest	QGC	INS	Annually
1215	INS	-26.8959	150.4861			Walloon CM	no nest	QGC	INS	Annually
1216	INS	-26.8714	150.3023			Walloon CM	no nest	QGC	INS	Annually
1217	INS	-27.0479	150.5593			Walloon CM	no nest	QGC	INS	Annually
1218	INS	-27.0165	150.5597			Walloon CM	no nest	QGC	INS	Annually
1219	INS	-26.9855	150.6175			Walloon CM	no nest	QGC	INS	Annually
1220	TBI	-26.9855	150.6175			Walloon CM	no nest	QGC	2026	Annually
1221	TBI	-25.9685	150.0767			Bandanna Formation	no nest	SNT	2026	Annually
1222	TBI	-25.8537	150.0791			Bandanna Formation	no nest	SNT	2026	Annually
1227	TBI	-25.6034	148.7551			Bandanna Formation	no nest	SNT	UPC	Annually
1228	TBI	-25.5396	149.0076			Bandanna Formation	no nest	SNT	UPC	Annually
1229	TBI	-26.0756	149.0446			Bandanna Formation	no nest	ORG	2026	Annually
1230	TBI	-26.1404	149.1063			Bandanna Formation	no nest	ORG	2026	Annually
1257	TBI	-26.3109	149.0938			Walloon CM	no nest	SNX	2026	Annually
1258	TBI	-26.3184	149.0777			Walloon CM	no nest	SNX	2026	Annually
1265	TBI	-24.1428	148.6174			Bandanna Formation	no nest	SNT	UPC	Annually
1266	TBI	-24.1409	148.7083			Bandanna Formation	no nest	SNT	UPC	Annually

Schedule 4 Immediately affected area (IAA) water bores

Formation abbreviations

CA ..... Condamine Alluvium
CNZ ..... Cenozoic formations
DUR..... Durabilla Formation
GUB..... Gubberamunda Sandstone
LHUT ..... Lower Hutton Sandstone
LJCM ..... Lower Juandah Coal Measures
LSBK..... Lower Springbok Sandstone
MRV ..... Main Range Volcanics
MSt ..... Mooga Sandstone
ORF ..... Orallo Formation
TCM ..... Taroom Coal Measures
UEVG .... Upper Evergreen Formation
UHUT .... Upper Hutton Sandstone
UJCM .... Upper Juandah Coal Measures
USBK .... Upper Springbok Sandstone
WTB ..... Westbourne Formation

Table S4-1: Newly identified IAA bores in this UWIR[#]

RN	Latitude	Longitude	Intersected formations	Maximum IAA impacted formation	Purpose	Drilled date	RTH
14428	-26.09	149.26	UJCM, LJCM, TCM	LJCM	S&D		Origin
15078	-26.77	150.6	UJCM	UJCM	S&D	1/01/1950	Arrow
15182	-27.11	151.3	TCM	TCM	S&D	10/02/1962	Arrow
15765	-25.96	149.86	UJCM, LJCM, TCM	UJCM	S&D	5/02/1964	QGC
15857	-25.97	149.86	LJCM	LJCM	S&D	1/05/1964	QGC
22377	-27.54	151.15	USBK, LSBK	LSBK	S&D	22/04/1965	Arrow
24291	-27.45	151.19	USBK	USBK	S&D	1/01/1961	Arrow
24524	-26.74	150.57	UJCM	UJCM	S&D	1/01/1950	Origin
33567	-26.27	149.9	LSBK, UJCM	UJCM	S&D	17/08/1969	QGC
34651	-26.74	150.52	UJCM	UJCM	S&D	1/12/1969	Origin
37188	-27.02	150.8	LSBK	LSBK	S&D	12/09/1971	Origin
48537	-27.26	151.21	CA, UCF, LSBK, UJCM	UJCM	S&I	8/07/1976	Arrow

RN	Latitude	Longitude	Intersected formations	Maximum IAA impacted formation	Purpose	Drilled date	RTH	
52640	-27.16	151.37	TCM	TCM	S&D	1/05/1977	Arrow	
55015	-27.33	151.13	LSBK	LSBK	S&D	1/03/1978	Arrow	*
58229	-26.1	149.26	LJCM	LJCM	S&D	28/02/1986	Origin	
61085	-27.26	151.01	USBK, LSBK	USBK	S&D	22/07/1980	QGC	
66423	-27.24	151.16	CA, UCF, UJCM	UJCM	A	18/09/1983	Arrow	
83278	-27.53	151.2	LSBK	LSBK	A	28/09/1987	Arrow	
87436	-26.91	150.78	TCM, DUR, UHUT, LHUT, UEVG	TCM	I	13/01/1994	Arrow	
87440	-27.16	151.28	TCM	TCM	A	1/08/1939	Arrow	
87812	-27.11	151.29	TCM	TCM	S&D	22/06/1993	Arrow	
87835	-27.01	150.96	UJCM	UJCM	A	11/05/1993	Arrow	*
94261	-27.05	150.77	LSBK	LSBK	S&D	2/09/1994	Origin	
94738	-26.77	150.61	UJCM	UJCM	S&D	26/05/1995	Arrow	
107633	-27.23	151.26	CA, UCF, UJCM	UJCM	A	18/11/1999	Arrow	
119548	-27.04	150.76	LSBK	LSBK	TWS	28/07/2005	Origin	
119555	-27.91	151.29	DUR	DUR	S&D	3/05/2005	Genuity	
119859	-27.33	151.09	USBK, LSBK	LSBK	S&D	17/08/2006	Arrow	*
137575	-27.59	151.12	USBK, LSBK	LSBK	S&D	25/06/2007	Arrow	
137919	-26.74	150.62	UJCM	UJCM	S&D	6/04/2005	Arrow	
147324	-27.01	150.77	LSBK	LSBK	S&D	19/08/2009	Origin	
147680	-27.53	151.19	LSBK	LSBK	S&D	11/03/2011	Arrow	
147757	-27.11	151.29	TCM	TCM	S&D	13/09/2013	Arrow	
168004	-27.18	151.04	LSBK, UJCM	UJCM	S&D		Arrow	
168005	-27.18	151.04	UJCM	UJCM	S&D		Arrow	

RN	Latitude	Longitude	Intersected formations	Maximum IAA impacted formation	Purpose	Drilled date	RTH
168142	-27.41	151.1	USBK	USBK	S&D		Arrow
168215	-26.15	149.81	UJCM, LJCM	UJCM	S&D		QGC
172622	-27.53	151.2	LSBK	LSBK	A	28/06/2018	Arrow
192412	-27.19	151.29	CA, UCF, LJCM	LJCM	S&D	17/01/2022	Arrow
192430	-27.19	151.29	CA, UCF, LJCM	LJCM	S&D	20/01/2022	Arrow
192542	-26.76	150.57	UJCM	UJCM	S&D	1/01/1984	Origin
192573	-27.46	151.19	LSBK	LSBK	S&D	4/06/1999	Arrow
192609	-26.67	150.57	DUR	DUR	S&D	27/07/2022	Arrow
205003	-26.99	150.8	LSBK, UJCM	UJCM	S&D	10/08/2023	Arrow
206833	-26.76	150.64	CA, UCF, UJCM	UJCM	S&D	28/12/2023	Arrow
207803	-27.11	150.77	USBK, LSBK	LSBK	S&D	29/05/2024	QGC
210869	-27.02	150.77	LSBK, UJCM	LSBK	S&D	30/04/2025	Origin
1200001130^	-26.98	150.9	LJCM	LJCM	S&D		Arrow
1200001131^	-26.98	150.9	UJCM	UJCM	S&D		Arrow
1200001180^	-26.72	150.57	LJCM	LJCM	S&D		Arrow
1200001219^	-26.95	150.83	UJCM, LJCM	LJCM	S&D		Arrow
1200001512^	-26.22	148.97	USBK, LSBK, UJCM	UJCM	S&D		Senex
1200001757^	-25.93	149.71	UJCM	UJCM	S&D		QGC
1200001866^	-25.96	149.68	UJCM	UJCM	S&D		QGC
1200001867^	-25.97	149.72	UJCM	UJCM	S&D		QGC
1200001875^	-25.96	149.68	UJCM	UJCM	S&D		QGC

Notes:

- **Purpose:** A = agricultural. I = industrial. S&D = stock and domestic. TWS = town water supply.

- **RN**: ^ = bore currently unregistered, temporary RN reference assigned by OGIA.
- **RTH**: * = a previous bore assessment has been undertaken which may require review in consideration of impacts predicted in the UWIR 2025.

Table S4-2: Newly identified IAA bores in this UWIR with make good agreements reported to be in place

RN	Latitude	Longitude	Intersected formations	Maximum IAA formation	Purpose	RTH
13118	-26.17	149.28	USBK, LSBK, UJCM, LJCM, TCM	UJCM	S&D	Origin
13955	-26.13	149.24	LJCM	LJCM	S&D	Origin
14387	-26.1	149.31	LJCM	LJCM	S&D	Origin
14392	-26.13	149.15	LJCM, TCM	LJCM	S&D	Origin
17125	-27.31	151.64	TCM	TCM	S&D	New Hope
19561	-27.32	151.64	TCM	TCM	S&D	New Hope
26025	-27.3	151.64	TCM	TCM	S&D	New Hope
32975	-26.18	149.25	LJCM	LJCM	S&D	Origin
37003	-26.1	149.34	LJCM	LJCM	S&D	Origin
37178	-27.03	150.84	UJCM	UJCM	S&D	Arrow
43829	-26.17	148.9	UJCM	UJCM	S&D	Senex
44535	-26.15	149.35	USBK, LSBK, UJCM	UJCM	S&D	Origin
58379	-26.17	149.26	LJCM	LJCM	S&D	Origin
58965	-26.23	149.07	UJCM	UJCM	S&D	Senex
66535	-27.06	150.83	LSBK	LSBK	S&D	Origin
94641	-27.3	151.63	TCM, DUR	DUR	S&D	New Hope
107857	-26.91	150.65	LSBK	LSBK	S&D	Arrow
147890	-27.09	150.91	WTB, USBK, LSBK, UJCM	UJCM	S&D	QGC
147891	-27.09	150.91	WTB, USBK, LSBK, UJCM	LSBK	S&D	QGC
1200001669^	-27.3	151.64	TCM	TCM	S&D	New Hope
1200001672^	-27.3	151.64	TCM	TCM	S&D	New Hope

Notes:

- **Purpose:** S&D = stock and domestic. A = Agricultural. TWS = town water supply.
- **RN**: ^ = bore currently unregistered, temporary RN reference assigned by OGIA.

Table S4-3: Details and status of make good arrangements for IAA bores listed in previous UWIRs[#]

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
226	-26.47	148.88	BGF, MSt, ORF, GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM	S&D	Santos	2012	Decommissioned
227	-26.5	148.89	UJCM, LJCM	S&D	Santos	2021	Finalised MGA
5390	-26.82	150.54	LJCM	S&D	Origin	2012	Decommissioned
6505	-27.09	151.02	CA, UJCM	S&D	Arrow	2016	MGA obligations not triggered due to condition of bore*
6777	-26.9	150.86	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
6778	-26.9	150.86	LJCM	S&D	NA	2019	Determined not to be an IAA bore post-2019
7659	-26.24	148.94	UJCM	S&D	Senex	2021	Decommissioned
7724	-26.89	150.91	LJCM, TCM	S&D	Arrow	2021	MGA negotiations ongoing
7757	-26.77	150.79	LJCM	S&D	Arrow	2021	Decommissioned
8425	-26.86	150.53	UJCM	S&D	Origin	2012	Decommissioned
8642	-26.88	150.67	LJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
8665	-26.84	150.5	LSBK, UJCM	S&D	Origin	Post UWIR 2012	Decommissioned
8684	-26.81	150.75	CA, LJCM	S&D	Arrow	2021	Decommissioned
9135	-26.74	150.42	UJCM, LJCM	S&D	QGC	2012	Decommissioned
9288	-26.25	148.94	LSBK, UJCM	S&D	Senex	2021	Decommissioned
9579	-26.85	150.93	LJCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
10459	-26.15	149.81	USBK, LSBK, UJCM	S&D	QGC	2012	Decommissioned
10460	-26.01	149.9	LJCM, TCM	S&D	QGC	2021	MGA negotiations ongoing
10598	-26.9	150.88	LJCM	S&D	Arrow	2019	Finalised MGA
10697	-26.74	150.28	UJCM, LJCM	S&D	QGC	2012	Decommissioned
10725	-26.68	150.3	UJCM	S&D	QGC	2012	Decommissioned
10790	-26.91	150.66	UJCM	S&D	Arrow	2019	Finalised MGA
10898	-26.83	150.64	UJCM	S&D	Arrow	2019	Decommissioned
10939	-26.95	150.91	LJCM	S&D	Arrow	2019	Finalised MGA
11590	-26.08	149.53	UJCM	S&D	QGC	2016	Decommissioned
11637	-26.88	150.9	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
12058	-26.87	150.84	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
12078	-26.62	150.24	LSBK, UJCM, LJCM	S&D	Origin	Post UWIR 2016	Decommissioned
12144	-26.65	150.22	UJCM	S&D	Origin	2012	Decommissioned
12340	-26.74	150.37	UJCM, LJCM, TCM	S&D	QGC	2012	Decommissioned
12341	-26.79	150.32	UJCM	S&D	QGC	2012	Decommissioned
12360	-26.96	151.17	UJCM, LJCM, TCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
12437	-26.97	151.13	LJCM, TCM, DUR, UHUT	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
12646	-27.07	150.86	UJCM, LJCM, TCM	S&D	Arrow	2012	Finalised MGA
13117	-26.19	149.29	USBK, LSBK, UJCM	S&D	Origin	2012	Finalised MGA
13316	-26.13	149.36	LJCM	S&D	Origin	2019	Finalised MGA
13322	-26.19	149.5	GUB	S&D	NA	2016	No longer IAA, aquifer not impacted
13540	-27.21	151.21	UJCM	S&D	Arrow	2021	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
13600	-26.83	150.62	UJCM, LJCM, TCM	S&D	Arrow	2019	Decommissioned
13602	-26.63	150.31	LJCM	S&D	Arrow	2012	Decommissioned
14062	-26.22	149.4	WTB, USBK, LSBK	S&D	Origin	2019	Decommissioned
14063	-26.24	149.4	WTB, USBK, LSBK	S&D	Origin	2021	Finalised MGA
14148	-27	150.98	UJCM	S&D	Arrow	2021	Finalised MGA
14219	-26.21	149.3	UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
14308	-26.76	150.3	LJCM	S&D	QGC	2012	Decommissioned
14361	-25.92	149.47	UJCM, LJCM, TCM	S&D	QGC	2019	MGA negotiations ongoing
14365	-25.85	149.45	TCM	S&D	QGC	2019	MGA negotiations ongoing
14369	-25.79	149.64	LJCM	S&D	QGC	2019	Bore assessment pending
14421	-25.79	149.7	UJCM, LJCM, TCM	S&D	QGC	2019	MGA negotiations ongoing
14423	-25.93	149.41	UHUT	S&D	NA	2019	Determined not to be an IAA bore post-2019
14533	-26.09	149.48	UJCM, LJCM	S&D	Origin	2016	Decommissioned
14595	-25.98	149.65	UJCM, LJCM	S&D	QGC	2016	Decommissioned
14596	-26	149.64	UJCM	S&D	QGC	2016	Decommissioned
14618	-25.96	149.54	UJCM, LJCM, TCM	S&D	QGC	2016	Decommissioned
14632	-26.05	149.61	UJCM	S&D	QGC	2016	MGA negotiations ongoing
14648	-25.99	149.5	LJCM	S&D	QGC	2016	Bore assessment pending
14649	-26	149.47	LJCM	S&D	QGC	2019	MGA negotiations ongoing
14743	-26.11	149.59	USBK, LSBK	S&D	QGC	2019	Finalised MGA
14745	-26.13	149.58	USBK, UJCM, LJCM	S&D	QGC	2012	Decommissioned
14888	-25.88	149.75	LHUT	S&D	NA	2016	No longer IAA, aquifer not impacted

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
14891	-25.93	149.75	UJCM	S&D	QGC	2019	Finalised MGA
15079	-26.77	150.67	UJCM	S&D	Arrow	2019	Decommissioned
15080	-26.84	150.67	LJCM	S&D	Arrow	2021	Decommissioned
15083	-26.81	150.55	UJCM	S&D	Origin	Post UWIR 2012	Decommissioned
15619	-26.18	148.76	LJCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
15711	-25.98	149.84	LJCM	S&D	QGC	2019	Finalised MGA
15784	-26.78	150.58	UJCM	S&D	Origin	2016	Decommissioned
15789	-25.8	149.67	LJCM	S&D	QGC	2019	MGA negotiations ongoing
15802	-26.04	149.93	LJCM	S&D	Origin	2019	MGA negotiations ongoing
15810	-26.77	150.34	UJCM	S&D	Origin	2012	Decommissioned
15820	-25.86	149.7	LJCM	S&D	QGC	2016	Finalised MGA
15831	-25.98	149.81	LJCM	S&D	QGC	2016	Finalised MGA
15836	-25.99	149.87	LJCM	S&D	QGC	2019	MGA negotiations ongoing
15838	-25.99	149.72	LJCM	S&D	QGC	2019	MGA negotiations ongoing
15848	-25.82	149.69	LJCM, TCM, DUR, UHUT, LHUT	S&D	QGC	2019	MGA negotiations ongoing
15855	-26.07	149.83	UJCM, LJCM, TCM	S&D	QGC	2016	Decommissioned
15868	-26.91	150.67	UJCM	S&D	Arrow	2019	Decommissioned
15892	-26.06	149.79	LJCM	S&D	QGC	2016	Decommissioned
15992	-25.87	149.66	UJCM, LJCM, TCM	S&D	QGC	2016	Bore assessment pending
16022	-25.86	149.65	LJCM	S&D	QGC	2016	Bore assessment pending
16040	-26.06	149.75	UJCM	S&D	QGC	2016	Decommissioned
16102	-26.19	149.54	UJCM	S&D	Origin	2012	Decommissioned

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
16119	-26	149.53	LJCM	S&D	QGC	2016	Decommissioned
16135	-26.15	149.65	UJCM, LJCM, TCM	S&D	QGC	2012	Decommissioned
16191	-26.02	149.75	UJCM	S&D	QGC	2016	Decommissioned
16211	-26.2	148.91	LSBK, UJCM, LJCM	S&D	Senex	2019	Decommissioned
16223	-26.8	150.75	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
16252	-26.19	148.72	UJCM, LJCM, TCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
16400	-26.63	150.44	TCM, UHUT	S&D	QGC	2019	MGA negotiations ongoing
16552	-27.1	151.02	UJCM, LJCM, TCM	S&D	Arrow	2016	Finalised MGA
16580	-27.23	151.06	LSBK	S&D	Arrow	2021	MGA negotiations ongoing
16671	-27.19	151.04	LSBK	S&D	Arrow	Post UWIR 2019	Decommissioned
16855	-27.14	151.02	LSBK, UJCM	S&D	Arrow	2016	Finalised MGA
16938	-26.13	149.45	LJCM	S&D	Origin	2012	Decommissioned
16939	-26.13	149.48	UJCM	S&D	Origin	2012	Decommissioned
16940	-26.15	149.45	LJCM	S&D	Origin	2012	Decommissioned
16941	-26.16	149.49	UJCM	S&D	Origin	2012	Decommissioned
16942	-26.14	149.5	LSBK, UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
16943	-26.17	149.46	UJCM	S&D	Origin	2012	Decommissioned
16944	-26.18	149.48	UJCM	S&D	Origin	2012	Decommissioned
16946	-26.17	149.45	UJCM	S&D	Origin	2012	Decommissioned
17005	-26.04	149.44	UHUT	S&D	NA	2019	Determined not to be an IAA bore post-2019
17301	-26.93	150.68	UJCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
17414	-27.14	150.99	UJCM, LJCM	S&D	Arrow	2012	Finalised MGA
17542	-26.7	150.66	LJCM, TCM	S&D	Arrow	2021	Decommissioned
17631	-27.32	151.15	USBK	S&D	NA	2012	No longer IAA, aquifer not impacted
17683	-26.96	151.18	UJCM, LJCM, TCM	S&D	Arrow	2019	MGA negotiations ongoing
17753	-25.99	149.69	UJCM, LJCM	S&D	QGC	2019	Decommissioned
17799	-26	149.87	UJCM, LJCM, TCM	S&D	QGC	2019	MGA negotiations ongoing
17800	-26.01	149.86	LJCM	S&D	QGC	2019	MGA negotiations ongoing
18151	-27.05	151.02	UJCM	S&D	Arrow	2021	Finalised MGA
18197	-25.93	149.79	LJCM	S&D	QGC	2016	MGA negotiations ongoing
18230	-26.5	149.5	Base	S&D	NA	2012	No longer IAA, aquifer not impacted
18281	-26.23	148.77	LJCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
19947	-26.73	150.76	LJCM	S&D	Arrow	2021	Finalised MGA
19960	-26.71	150.74	LJCM	S&D	Arrow	2021	Decommissioned
19964	-26.73	150.72	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
19995	-26.84	150.53	UJCM	S&D	Origin	2012	Decommissioned
21013	-26.77	150.85	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
21021	-26.88	150.85	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
21023	-26.75	150.76	LJCM, TCM, DUR	S&D	Arrow	2021	Finalised MGA
21061	-26.91	150.88	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
21063	-26.91	150.81	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
21064	-26.82	150.82	TCM	S&D	Arrow	2021	Finalised MGA
21065	-26.89	150.85	LJCM	S&D	Arrow	2021	MGA negotiations ongoing

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
21067	-26.9	150.79	UJCM, LJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
21649	-26.91	150.83	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
21787	-26.92	150.91	LJCM	S&D	Arrow	2019	Decommissioned
21791	-26.89	150.94	LJCM	S&D	Arrow	2019	Decommissioned
21795	-26.88	150.97	CA	S&D	NA	2019	No longer IAA, aquifer not impacted
21796	-26.97	150.96	UJCM	S&D	NA	2019	Determined not to be an IAA bore post-2019
21797	-26.92	150.9	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
21798	-26.87	150.89	LJCM	S&D	Arrow	2021	Finalised MGA
21799	-26.91	150.98	LJCM	S&D	Arrow	2019	Finalised MGA
21801	-26.85	150.89	LJCM	S&D	Arrow	2021	Decommissioned
21805	-26.95	150.9	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
21806	-26.95	150.9	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
21809	-26.89	150.92	LJCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
21817	-26.98	150.97	UJCM	S&D	Arrow	2019	Finalised MGA
21819	-26.9	150.89	LJCM, TCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
21820	-26.95	150.95	CA	S&D	Arrow	2019	Determined not to be an IAA bore post-2019
21821	-26.97	150.94	UJCM	S&D	Arrow	2021	Finalised MGA
21825	-26.85	150.93	LJCM	S&D	Arrow	2019	Decommissioned
21828	-26.91	150.93	LJCM	S&D	Arrow	2019	Decommissioned
21832	-26.97	150.91	UJCM	S&D	Arrow	2021	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
22019	-26.83	150.77	LJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
22031	-26.89	150.7	LJCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
22123	-27.09	150.81	TCM	S&D	QGC	2012	No longer IAA, not a water bore
22723	-26.28	149.14	USBK, LSBK, UJCM	S&D	Senex	2021	Decommissioned
22724	-26.4	149.31	LJCM, DUR, UHUT, LHUT	S&D	Origin	2016	Decommissioned
23053	-26.97	150.38	ORF, GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM, DUR, UHUT, LHUT, UEVG	S&D	QGC	2019	Finalised MGA
23060	-27.03	150.36	ORF, GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM	S&D	QGC	2016	Bore assessment pending
23150	-27.39	150.73	GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM	S&D	QGC	2019	Finalised MGA
23386	-27.13	150.7	TCM	S&D	QGC	2012	Decommissioned
23424	-26.96	150.4	ORF, GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM	S&D	QGC	2016	Bore assessment pending
23460	-26.87	150.41	LJCM	P&G Ex.	NA	2012	No longer IAA, not a water bore
23469	-27.01	150.35	ORF, GUB, WTB, USBK, LSBK, UJCM, LJCM, TCM	S&D	Origin	2016	Decommissioned
23560	-27.29	150.69	GUB	S&D	NA	2012	No longer IAA, aquifer not impacted
24278	-27.34	151.15	CA, USBK, LSBK	S&D	Arrow	2021	MGA negotiations ongoing

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
24280	-27.47	151.18	UJCM, LJCM, TCM	S&D	Arrow	2012	DES advised on hold
24288	-27.43	151.19	UJCM, LJCM, TCM	S&D	Arrow	2012	DES advised on hold
24465	-26.87	150.55	UJCM, LJCM, TCM	S&D	Origin	Post UWIR 2012	Decommissioned
24466	-26.93	150.64	UJCM	S&D	Arrow	2019	Decommissioned
24469	-26.86	150.6	UJCM, LJCM, TCM	S&D	Arrow	2016	Decommissioned
24472	-26.87	150.57	USBK, LSBK	S&D	Origin	2019	Decommissioned
24478	-26.82	150.56	CNZ, USBK, LSBK, UJCM, LJCM, TCM	S&D	Origin	2016	Decommissioned
24479	-26.89	150.62	UJCM, LJCM, TCM	S&I	NA	2021	Determined not to be an IAA bore post-2021
24486	-26.77	150.68	UJCM, LJCM	S&D	Arrow	2019	Decommissioned
24487	-26.76	150.69	UJCM, LJCM	S&D	Arrow	2019	Finalised MGA
24492	-26.89	150.69	UJCM, LJCM, TCM	S&D	Arrow	Post UWIR 2021	Bore assessment pending
24504	-26.88	150.64	UJCM, LJCM, TCM	S&I	Arrow	2019	Finalised MGA
24910	-26.67	150.66	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
26063	-26.85	150.5	USBK	S&D	Origin	2012	Decommissioned
26429	-25.95	149.76	USBK, LSBK, UJCM, LJCM, TCM	S&D	QGC	2016	Decommissioned
26465	-26.8	150.85	LJCM	S&D	Arrow	2021	Decommissioned
26466	-26.8	150.86	LJCM	S&D	NA	2019	Determined not to be an IAA bore post-2019
26479	-26.18	148.75	UJCM, LJCM, TCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
30035	-27.19	151.03	LSBK	S&D	Arrow	2019	MGA negotiations ongoing
30165	-26.04	149.33	UHUT	S&D	NA	2019	Determined not to be an IAA bore post-2019

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
30409	-26.77	150.45	USBK, LSBK, UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
30553	-26.24	149.66	WTB	S&D	QGC	2019	Decommissioned
30564	-26.23	149.23	USBK, UJCM	S&D	Origin	2012	Decommissioned
30783	-26.09	149.18	LJCM	S&D	Origin	2019	Finalised MGA
30997	-27.21	151.02	LSBK	S&I	Arrow	2012	Finalised MGA
31122	-27.08	151.09	LJCM	S&D	Arrow	Post UWIR 2021	MGA negotiations ongoing
31331	-26.12	149.84	LSBK	S&D	Origin	2019	Decommissioned
31995	-26.16	149.56	UJCM	S&D	QGC	2012	Decommissioned
32034	-26.21	149.12	UJCM, LJCM	S&D	Origin	2021	Finalised MGA
32259	-26.14	149.57	USBK, UJCM	S&D	QGC	2012	Decommissioned
32314	-26.89	150.93	CA, LJCM	S&D	Arrow	2019	MGA negotiations ongoing
32507	-26.16	149.16	UHUT	S&D	Origin	2019	Finalised MGA
32628	-26.9	150.8	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
32939	-26.21	149.2	UJCM, LJCM, TCM, UHUT	S&D	Origin	Post UWIR 2012	Decommissioned
33286	-26.23	149.68	ORF, GUB	S&D	NA	2019	Determined not to be an IAA bore post-2019
33319	-27.06	150.79	LSBK, UJCM, LJCM	S&D	Origin	2012	Decommissioned
33435	-26.15	149.61	UJCM, LJCM, TCM	S&D	QGC	Post UWIR 2012	Decommissioned
33553	-26.92	150.64	USBK, LSBK	S&D	NA	2019	Determined not to be an IAA bore post-2019
33807	-26.02	149.75	UJCM, LJCM	S&D	QGC	2021	Decommissioned
33821	-26.12	149.58	UJCM	S&D	QGC	2012	Decommissioned

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
33830	-26.75	150.5	LSBK, UJCM	S&D	Origin	2016	Decommissioned
34708	-26.1	149.66	LSBK, UJCM, LJCM, TCM	S&D	QGC	2012	Decommissioned
34709	-26.11	149.66	UJCM	S&D	QGC	2016	Decommissioned
34718	-26.09	149.73	UJCM	S&D	QGC	2016	Bore assessment pending
34846	-26.83	150.55	USBK, LSBK, UJCM, LJCM, TCM	S&D	Origin	Post UWIR 2012	Decommissioned
34929	-26.09	149.69	LSBK, UJCM	S&D	QGC	2016	Bore assessment pending
34951	-25.99	149.66	UJCM	S&D	QGC	2021	Decommissioned
35141	-27.18	151.05	UJCM	S&D	Arrow	2021	MGA negotiations ongoing
35243	-26.95	150.86	LJCM	S&D	Arrow	2021	Finalised MGA
35405	-27.03	150.97	UJCM, LJCM	S&D	Arrow	2019	Decommissioned
35623	-27.2	151.07	UJCM	S&D	Arrow	2019	Decommissioned
35754	-26.19	149.35	USBK, LSBK, UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
35842	-26.21	149.64	WTB, USBK, UJCM, LJCM, TCM	S&D	QGC	2012	Decommissioned
35966	-26.29	149.83	GUB	S&I	NA	2012	No longer IAA, aquifer not impacted
36143	-26.14	149.4	LJCM	S&D	Origin	2016	Decommissioned
37177	-27.01	150.84	UJCM, LJCM, TCM	S&D	Arrow	2019	Finalised MGA
37301	-26.18	149.33	USBK, LSBK, UJCM, LJCM	S&D	Origin	2012	Decommissioned
37479	-26.18	149.64	USBK, LSBK	S&D	QGC	2021	Finalised MGA
37649	-27.03	151	UJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
37838	-26.96	151.18	UJCM, LJCM, TCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
37949	-25.99	149.55	UJCM, LJCM	S&D	QGC	2016	Decommissioned
38191	-26.85	150.59	UJCM	S&D	Arrow	2016	Decommissioned
43380	-25.99	149.69	LJCM	S&D	QGC	2016	Bore assessment pending
43660	-26.18	149.41	LSBK, UJCM	S&D	Origin	2012	Decommissioned
44006	-26.26	149.84	Base	S&D	Senex	2012	Decommissioned
44246	-26.04	149.64	UJCM	S&D	QGC	2016	Decommissioned
44555	-26.24	149.1	LJCM	S&D	Origin	2019	Decommissioned
44605	-26.08	149.66	UJCM	S&D	QGC	2012	Decommissioned
48523	-26.66	150.67	TCM	S&D	Arrow	2019	Finalised MGA
48803	-26.07	149.37	LJCM	S&D	Origin	2019	Decommissioned
48806	-26.22	149.66	WTB, USBK, UJCM, LJCM, TCM	S&D	QGC	2012	Decommissioned
48811	-25.94	149.79	LJCM	S&D	QGC	2016	MGA negotiations ongoing
48824	-26.09	149.35	LJCM	S&D	Origin	2019	Finalised MGA
48841	-25.96	149.89	LJCM, TCM	S&D	QGC	2019	MGA negotiations ongoing
48886	-26.23	149.35	UJCM	S&D	Origin	Post UWIR 2012	Decommissioned
48887	-25.97	149.38	UJCM, LJCM, TCM	S&D	Origin	2019	Finalised MGA
48951	-26.17	148.98	UHUT	S&D	Senex	2019	Decommissioned
48955	-26.28	149.04	LJCM	S&D	Senex	2019	Decommissioned
48956	-26.25	149.05	UJCM, LJCM	S&D	Senex	2019	Finalised MGA
48965	-26.15	149.64	LSBK, UJCM	S&D	QGC	2012	Decommissioned
48966	-25.83	149.44	TCM	S&D	QGC	2019	MGA negotiations ongoing

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
48981	-26.15	149.45	UJCM	S&D	Origin	2012	Decommissioned
55365	-27.17	151.07	UJCM, LJCM, TCM	S&D	Arrow	2016	Decommissioned
56714	-26.79	150.72	LJCM	S&D	Arrow	2019	MGA negotiations ongoing
58005	-25.92	149.78	LJCM	S&D	QGC	2016	MGA negotiations ongoing
58019	-26.18	148.74	UJCM, LJCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
58064	-25.99	149.66	UJCM	S&D	QGC	2016	Decommissioned
58077	-26	149.58	UJCM, LJCM	S&D	QGC	2016	Decommissioned
58079	-26.05	149.68	LSBK, UJCM	S&D	QGC	2016	Decommissioned
58084	-26.07	149.26	LJCM, TCM	S&D	Origin	2019	Finalised MGA
58101	-25.91	149.5	LJCM	S&D	QGC	2019	Finalised MGA
58103	-26.19	148.89	UJCM, LJCM	S&D	Senex	2019	Finalised MGA
58111	-26.19	149.05	UHUT	S&I	NA	2019	Determined not to be an IAA bore post-2019
58129	-26.11	149.84	USBK, UJCM	S&D	Origin	2019	Decommissioned
58253	-26.23	149.25	UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
58288	-26.26	149.25	WTB, USBK, LSBK, UJCM	S&D	Origin	2012	Decommissioned
58297	-26.07	149.69	UJCM	S&D	QGC	2012	Decommissioned
58301	-25.97	149.72	UJCM, LJCM	S&D	QGC	2016	Bore assessment pending
58302	-25.96	149.68	UJCM	S&D	QGC	2019	Finalised MGA
58304	-25.9	149.78	LJCM, TCM	S&D	QGC	2016	MGA negotiations ongoing
58307	-26.35	149.8	ORF, GUB	S&D	NA	2012	No longer IAA, aquifer not impacted
58371	-26.15	149.31	LJCM, TCM, DUR, UHUT	S&D	Origin	2019	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
58402	-26.27	149.23	WTB	S&D	Origin	2012	MGA obligations not triggered due to condition of bore*
58435	-26.18	149.22	LJCM, TCM, DUR, UHUT	S&D	Origin	Post UWIR 2012	Finalised MGA
58451	-26.12	149.33	UHUT	S&D	Origin	2019	Finalised MGA
58499	-27.27	149.18	UCF	S&D	NA	2012	No longer IAA, aquifer not impacted
58533	-26.16	148.93	UJCM, LJCM	S&D	Senex	2019	Finalised MGA
58537	-26.04	149.65	UJCM	S&D	QGC	2016	Decommissioned
58541	-25.99	149.59	UJCM, LJCM, TCM, DUR, UHUT	S&D	QGC	2016	Decommissioned
58600	-26.05	149.53	UJCM, LJCM	S&D	QGC	2016	Bore assessment pending
58612	-25.99	149.55	LJCM	S&D	QGC	2016	Decommissioned
58646	-26.17	149.37	LJCM	S&D	Origin	2012	Decommissioned
58768	-26.09	149.63	LSBK, UJCM	S&D	QGC	2016	Decommissioned
58786	-26.26	149.84	WTB	S&D	NA	2012	No longer IAA, aquifer not impacted
58910	-26.18	149.87	UJCM	S&D	Senex	2019	MGA obligations not triggered due to condition of bore*
61111	-27.09	150.84	WTB, USBK, LSBK	S&D	QGC	2021	Decommissioned
61675	-26.75	150.68	CA	S&D	NA	2019	Determined not to be an IAA bore post-2019
66146	-26.99	150.86	UJCM, LJCM, TCM	S&D	Arrow	2019	Finalised MGA
66152	-26.93	150.68	UJCM, LJCM	S&D	Arrow	2019	MGA obligations not triggered due to condition of bore*
66546	-26.86	150.74	UJCM, LJCM	S&D	Arrow	2021	Finalised MGA
66553	-26.88	150.75	LJCM	S&D	Arrow	2021	Finalised MGA
71134	-26.82	150.85	LJCM	S&D	Arrow	2021	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
83068	-26.84	150.86	LJCM	S&D	Arrow	2021	Finalised MGA
83312	-26.86	150.85	LJCM	S&D	Arrow	2021	Finalised MGA
83510	-27.08	150.53	ORF	S&D	NA	2012	No longer IAA, aquifer not impacted
83627	-26.85	150.52	UJCM, LJCM, TCM	S&D	Origin	2012	Decommissioned
86622	-26.97	150.86	UJCM, LJCM	S&D	Arrow	2021	Finalised MGA
86984	-27.2	151.32	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
87021	-27.19	151.7	TCM	TWS	NA	2021	Determined not to be an IAA bore post-2021
87320	-26.98	150.88	UJCM	S&D	Arrow	2019	MGA negotiations ongoing
87471	-27.16	151.01	LSBK, UJCM	S&I	Arrow	2012	Finalised MGA
87505	-26.98	150.67	LSBK	S&D	Arrow	2019	MGA negotiations ongoing
87611	-26.76	150.49	USBK, LSBK, UJCM	S&D	Origin	2012	Decommissioned
87713	-27.2	151.32	LJCM, TCM	S&D	Arrow	2021	Finalised MGA
87718	-26.82	150.62	UJCM	S&D	Arrow	2019	Decommissioned
87777	-27	150.95	LJCM	A	Arrow	2019	MGA negotiations ongoing
87897	-26.95	150.62	LSBK	S&I	Arrow	2019	Decommissioned
87912	-26.73	150.72	UJCM, LJCM, TCM, DUR	S&D	Arrow	2019	Decommissioned
87934	-26.84	150.86	LJCM	S&D	Arrow	2021	Finalised MGA
94039	-27	150.85	TCM, DUR, UHUT, LHUT, UEVG	A	Arrow	2019	Finalised MGA
94052	-27.2	151.01	LSBK	S&D	NA	2012	No longer IAA, aquifer not impacted
94135	-27.04	150.97	UJCM	I	Arrow	2016	Finalised MGA
94143	-26.93	150.92	LJCM	TWS	Arrow	2019	Finalised MGA
94430	-27.2	151.31	LJCM	S&I	Arrow	2021	MGA negotiations ongoing

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
94586	-27.01	150.98	LJCM	A	Arrow	2019	Decommissioned
94587	-27.01	150.98	LJCM	A	Arrow	2019	MGA negotiations ongoing
94678	-27.01	150.98	UJCM	A	Arrow	2019	MGA negotiations ongoing
94831	-27.2	151.06	UJCM	S&D	Arrow	2019	Finalised MGA
94913	-27.17	151.36	LJCM	S&D	Arrow	2021	Finalised MGA
107085	-27.02	150.98	LJCM	S&D	Arrow	2019	Finalised MGA
107222	-26.78	150.5	UJCM, LJCM, TCM	S&D	Origin	Post UWIR 2012	Decommissioned
107260	-26.63	150.46	UJCM	S&D	Origin	2019	MGA negotiations ongoing
107784	-26.73	150.54	UJCM, LJCM, TCM	S&D	Origin	2019	Finalised MGA
107873	-27	150.96	LJCM	A	Arrow	2019	MGA negotiations ongoing
107910	-27.09	150.92	LSBK, UJCM	S&D	Arrow	Post UWIR 2012	Decommissioned
119000	-27.21	151.04	LSBK	S&D	Arrow	2021	Finalised MGA
119048	-27.05	150.99	UJCM, LJCM	S&D	Arrow	2021	Decommissioned
119075	-26.95	150.86	LJCM	S&I	Arrow	2021	Finalised MGA
119076	-26.95	150.86	LJCM	S&D	Arrow	2019	Finalised MGA
119170	-26.92	150.49	USBK, LSBK, UJCM	S&D	QGC	2012	Decommissioned
119267	-27.11	150.91	LSBK, UJCM, LJCM, TCM, DUR	I	QGC	2012	Decommissioned
119484	-26.83	150.6	UJCM, LJCM	S&D	Arrow	2016	Decommissioned
123291	-26.56	148.62	BGF, MSt, ORF	S&D	NA	2012	No longer IAA, aquifer not impacted
123292	-26.52	148.82	ORF	S&D	NA	2012	No longer IAA, aquifer not impacted
123425	-26.2	148.78	LJCM	S&D	Senex	Post UWIR 2021	Bore assessment pending
123454	-26.21	149.75	USBK, LSBK	S&D	QGC	2019	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
137087	-27.29	150.96	USBK, LSBK	S&D	QGC	2021	Finalised MGA
137175	-27.12	150.82	USBK, LSBK, UJCM	S&I	QGC	2012	Decommissioned
137552	-27.12	150.9	UHUT, LHUT, UEVG	I	NA	2012	No longer IAA, aquifer not impacted
137915	-27.32	151.15	USBK, LSBK	S&D	Arrow	2021	MGA negotiations ongoing
147001	-26.86	150.66	UJCM	S&D	Arrow	2019	Decommissioned
147108	-26.75	150.52	UJCM	S&D	Origin	2016	Decommissioned
147127	-27	150.95	CA, UCF, UJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
147156	-27.19	151.78	UHUT	S&D	NA	2012	No longer IAA, aquifer not impacted
147170	-26.92	150.52	WTB	S&D	NA	2012	No longer IAA, aquifer not impacted
147264	-26.88	150.51	UJCM	S&D	Origin	2012	Decommissioned
147314	-27.16	151.18	LJCM	S&I	Arrow	2021	MGA negotiations ongoing
147388	-27.2	151.29	LJCM	S&D	Arrow	Post UWIR 2021	Bore assessment pending
147393	-26.81	150.52	UJCM, LJCM, TCM	S&D	Origin	2016	Decommissioned
147412	-27.02	150.98	LJCM	A	Arrow	2019	MGA negotiations ongoing
147599	-26.98	150.9	LJCM	S&D	Arrow	2019	Finalised MGA
147607	-26.93	150.66	UJCM	S&D	Arrow	2019	Decommissioned
147653	-27.01	150.61	LSBK	S&D	QGC	2019	Finalised MGA
147703	-27	150.66	USBK, LSBK	S&D	QGC	2019	Finalised MGA
147716	-27.19	151.23	CA, LJCM	S&D	Arrow	2021	Finalised MGA
147717	-27.07	150.85	LSBK	S&D	Arrow	2021	Finalised MGA
147738	-27.21	151.27	CA, LJCM	S&D	Arrow	2021	Finalised MGA
147750	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
147795	-27.22	151.26	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
147815	-27.22	151.27	LJCM	S&D	Arrow	2021	Finalised MGA
147832	-26.81	150.56	UJCM	S&D	Origin	2016	Decommissioned
147845	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	MGA negotiations ongoing
147882	-27.22	151.28	CA	S&D	Arrow	2021	Finalised MGA
147893	-27.22	151.26	LJCM	S&D	Arrow	2021	Finalised MGA
147894	-27.2	151.26	LJCM	S&D	Arrow	2021	Finalised MGA
147895	-27.22	151.28	CA, LJCM	S&D	Arrow	2021	Finalised MGA
172004	-27.22	151.28	LJCM	S&D	Arrow	2021	Finalised MGA
172011	-27.19	151.3	LJCM	S&D	Arrow	Post UWIR 2021	Bore assessment pending
172028	-27.3	151.14	LSBK	S&D	Arrow	2021	MGA negotiations ongoing
172033	-27.18	151.23	CA, LJCM	S&D	Arrow	2021	MGA negotiations ongoing
172144	-26.96	151.18	UJCM, LJCM, TCM	S&D	Arrow	2019	MGA negotiations ongoing
172272	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	MGA negotiations ongoing
172338	-27.2	151.26	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
172342	-27.21	151.27	LJCM	S&D	Arrow	2021	MGA obligations not triggered due to condition of bore*
172525	-26.97	150.91	UJCM, LJCM	S&D	Arrow	2019	Finalised MGA
172540	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	MGA negotiations ongoing
172628	-27.25	151	LSBK	S&D	QGC	2021	MGA negotiations ongoing
172681	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	MGA negotiations ongoing
172713	-26.67	150.63	TCM	S&D	Arrow	2021	Finalised MGA
172746	-26.95	150.98	LJCM	S&D	Arrow	2021	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
172747	-27.28	151.13	UJCM	S&D	Arrow	2021	Finalised MGA
172751	-27.26	151.08	LSBK, UJCM	S&D	Arrow	2021	MGA negotiations ongoing
172775	-27.19	151.29	TCM	S&D	Arrow	Post UWIR 2021	Bore assessment pending
172896	-27.46	151.15	LSBK	S&D	Arrow	2021	Finalised MGA
172937	-27.01	150.98	UJCM	S&D	Arrow	2021	MGA negotiations ongoing
192012	-27.17	151.23	LJCM	S&D	Arrow	2021	Finalised MGA
192017	-27.17	151.23	CA, LJCM	S&D	Arrow	2021	Finalised MGA
192060	-27.24	151.04	LSBK, UJCM	S&D	Arrow	2021	Finalised MGA
192085	-27.17	151.22	CA, LJCM	S&D	Arrow	2021	Finalised MGA
192086	-27.21	151.25	CA, LJCM	S&D	Arrow	2021	Finalised MGA
192148	-27.21	151.26	LJCM	S&D	Arrow	2021	MGA negotiations ongoing
192246	-27.31	151.15	LSBK	S&D	Arrow	Post UWIR 2021	Bore assessment pending
192357	-27	150.67	USBK, LSBK	S&D	Origin	Post UWIR 2021	Bore assessment pending
192416	-26.76	150.51	UJCM	S&D	Origin	2021	MGA negotiations ongoing
192511	-26.96	150.86	LJCM	S&D	Arrow	2021	Finalised MGA
192512	-26.96	150.86	LJCM	S&D	Arrow	2021	Finalised MGA
192514	-26.84	150.64	UJCM	S&D	Arrow	2021	Decommissioned
192515	-27.03	150.99	UJCM	S&D	Arrow	2021	MGA negotiations ongoing
192516	-27.33	151.73	TCM	S&D	New Hope	2021	MGA negotiations ongoing
192518	-26.06	149.6	CNZ	S&D	NA	2021	Determined not to be an IAA bore post-2021
192519	-27.28	151.64	TCM	S&D	New Hope	2021	Finalised MGA
192527	-26.71	150.66	LJCM, TCM	S&D	Arrow	Post UWIR 2021	Bore assessment pending

RN	Latitude	Longitude	Intersected formations	Purpose	RTH	First identified	Current status
192541	-26.1	149.54	UJCM	S&D	QGC	2021	Decommissioned

Notes:

- **Purpose:** A = agricultural. I = industrial. S&D = stock and domestic. TWS = town water supply
- **Current status:** * = No make good obligation triggered. If the damaged bore is repaired or a replacement water bore is drilled, another attempt to conduct a bore assessment may be undertaken.

Schedule 5 Long-term affected area (LAA) water bores

Formation abbreviations

CA ..... Condamine Alluvium
DUR..... Durabilla Formation
GUB..... Gubberamunda Sandstone
LEVG..... Lower Evergreen Formation
LHUT ..... Lower Hutton Sandstone
LJCM ..... Lower Juandah Coal Measures
LSBK..... Lower Springbok Sandstone
MRV..... Main Range Volcanics
MSt ..... Mooga Sandstone
ORF ..... Orallo Formation
TCM ..... Taroom Coal Measures
UEVG .... Upper Evergreen Formation
UHUT .... Upper Hutton Sandstone
UJCM .... Upper Juandah Coal Measures
USBK .... Upper Springbok Sandstone
WTB ..... Westbourne Formation

Table S5-1: LAA bores

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
339	-27.18	151.27	UHUT, LHUT	TWS	Threshold reached beyond 2040
7138	-26.7	150.78	TCM	S&D	Threshold reached beyond 2040
7297	-27.51	151.49	LJCM	S&D	Threshold reached beyond 2040
7444	-26.83	150.58	CA, USBK, LSBK	S&D	Finalised MGA
7481	-27.32	151.1	USBK	S&D	Threshold reached beyond 2040
7482	-27.31	151.1	USBK	S&D	Threshold reached beyond 2040
8145	-26.18	148.64	LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
8666	-26.85	150.66	UJCM, LJCM	S&D	Finalised MGA
8678	-27.13	150.91	USBK	S&D	Threshold reached beyond 2040
8685	-26.84	150.64	UJCM	S&D	Finalised MGA
9126	-26.09	148.7	LJCM	S&D	Threshold reached beyond 2040
9583	-27.33	151.74	TCM, DUR, UHUT	S&D	Threshold reached prior to 2032
10588	-26.24	150.12	LJCM, TCM	S&D	Threshold reached prior to 2032

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
11027	-26.12	149.01	LJCM, TCM, DUR, UHUT	S&D	Threshold reached beyond 2040
11064	-26.17	150	USBK, LSBK, UJCM, LJCM, TCM	S&D	Threshold reached beyond 2040
11551	-26.18	148.68	UJCM	S&D	Threshold reached beyond 2040
11568	-27.15	150.82	USBK	S&D	Threshold reached beyond 2040
12233	-27.12	150.28	USBK, LSBK	S&D	Threshold reached beyond 2040
12361	-27.05	150.82	LSBK	S&D	Finalised MGA
13121	-26.16	149.26	UJCM, LJCM	S&D	Finalised MGA
13318	-26.16	149.47	USBK	S&D	Threshold reached 2032 to 2040
13405	-26.09	148.74	LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
13898	-26.06	149.2	DUR	S&D	Threshold reached beyond 2040
14222	-26.2	149.24	USBK, LSBK, UJCM	S&D	Finalised MGA
14259	-26.1	148.69	LJCM	S&D	Threshold reached beyond 2040
14267	-26.82	150.63	UJCM	S&D	Finalised MGA
14383	-26.2	149.23	USBK, LSBK, UJCM	S&D	Finalised MGA
14384	-26.21	149.18	UJCM	S&D	Finalised MGA
14390	-26.12	149.17	LJCM	S&D	Finalised MGA
14395	-26.18	149.14	UJCM	S&D	Finalised MGA
14550	-27.77	151.04	UJCM, LJCM, TCM	S&D	Threshold reached beyond 2040
14688	-26.34	150.26	DUR	S&D	Threshold reached 2032 to 2040
14726	-26.1	149.11	DUR	S&D	Threshold reached beyond 2040
14744	-26.08	149.59	UJCM	S&D	Finalised MGA
15356	-26.12	148.97	DUR, UHUT	S&D	Threshold reached beyond 2040
15457	-27.49	151.48	TCM, DUR	S&D	Threshold reached 2032 to 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
15604	-27.31	151.49	LJCM	S&D	Threshold reached 2032 to 2040
15811	-26.92	150.66	LSBK, UJCM, LJCM, TCM	S&D	Finalised MGA
15847	-25.81	149.7	LJCM, TCM	S&D	Threshold reached prior to 2032
15866	-26.72	150.79	LJCM, TCM	S&D	Threshold reached beyond 2040
15967	-26.2	149.61	USBK	S&D	Finalised MGA
16318	-26.2	149.24	LSBK	S&D	Finalised MGA
16427	-26.16	148.73	LJCM	S&D	Threshold reached 2032 to 2040
16450	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040
16845	-27.45	151.24	USBK	S&D	Threshold reached beyond 2040
17129	-27.32	151.09	USBK	S&D	Threshold reached beyond 2040
17162	-27.76	151.19	UJCM	A	Threshold reached prior to 2032
17462	-26.27	150.05	UJCM, LJCM	S&D	Threshold reached prior to 2032
17473	-27.17	151.33	LJCM	S&D	Threshold reached prior to 2032
17628	-27.28	151.48	TCM, DUR	S&D	Threshold reached 2032 to 2040
17670	-26.27	149.02	LSBK	S&D	Finalised MGA
17674	-26.17	148.68	LJCM	S&D	Threshold reached 2032 to 2040
17675	-26.16	148.67	LJCM	S&D	Threshold reached 2032 to 2040
17688	-27.3	151.49	LJCM	S&D	Threshold reached beyond 2040
17946	-26.25	149.36	LSBK	S&D	Finalised MGA
18010	-26.11	148.97	UJCM, LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
18011	-26.14	148.99	TCM, DUR	S&D	Threshold reached beyond 2040
18239	-26.16	150.04	LJCM	S&D	Threshold reached prior to 2032
18248	-26.49	148.83	LJCM, TCM	S&D	Threshold reached prior to 2032

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
18512	-27.62	151.49	LJCM	S&D	Threshold reached beyond 2040
18584	-27.65	151.48	TCM	S&D	Threshold reached beyond 2040
18865	-27.45	151.23	USBK	S&D	Threshold reached beyond 2040
18891	-27.3	151.44	LJCM	S&D	Threshold reached 2032 to 2040
18911	-27.44	151.45	LJCM	S&D	Threshold reached beyond 2040
18994	-27.44	151.24	USBK	S&D	Threshold reached beyond 2040
19009	-27.25	151.48	LJCM, TCM	S&D	Threshold reached 2032 to 2040
19011	-27.25	151.49	TCM	S&D	Threshold reached beyond 2040
19016	-27.27	151.44	LJCM	S&D	Threshold reached 2032 to 2040
19822	-27.33	151.64	LJCM	S&I	Threshold reached 2032 to 2040
19949	-26.77	150.56	UJCM	S&D	Finalised MGA
19950	-26.79	150.7	UJCM	S&D	Threshold reached beyond 2040
19983	-26.87	150.58	USBK, LSBK	S&D	Finalised MGA
19988	-26.85	150.65	UJCM, LJCM, TCM	S&D	Finalised MGA
20995	-26.74	150.77	LJCM, TCM	S&D	Threshold reached beyond 2040
20998	-26.76	150.81	TCM	S&D	Threshold reached beyond 2040
21008	-26.77	150.83	TCM	S&D	Threshold reached beyond 2040
21009	-26.75	150.83	UCF, TCM	S&D	Threshold reached beyond 2040
21018	-26.75	150.84	TCM	S&D	Threshold reached beyond 2040
21030	-26.69	150.8	TCM	S&D	Threshold reached beyond 2040
21046	-26.7	150.81	DUR	S&D	Threshold reached beyond 2040
21048	-26.71	150.81	TCM	S&D	Threshold reached beyond 2040
21848	-27.34	151.67	LJCM	S&D	Threshold reached 2032 to 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
21849	-27.35	151.67	TCM	S&D	Threshold reached 2032 to 2040
21913	-27.29	151.65	MRV	S&D	Threshold reached prior to 2032
22352	-26.45	148.93	WTB	S&D	Threshold reached beyond 2040
22728	-26.31	148.93	WTB	S&D	Threshold reached beyond 2040
22908	-27.42	150.62	DUR, UHUT, LHUT, UEVG, LEVG, PCP	S&D	Threshold reached beyond 2040
24467	-26.88	150.6	USBK, LSBK, UJCM	S&D	Finalised MGA
24475	-26.86	150.64	LJCM	S&D	Finalised MGA
24481	-26.8	150.57	LSBK, UJCM	S&D	Finalised MGA
24485	-26.89	150.66	UJCM	S&D	Finalised MGA
24497	-26.67	150.63	LJCM	S&D	Finalised MGA
26163	-27.28	151.45	LJCM	S&I	Threshold reached beyond 2040
26269	-26.49	150.15	USBK	S&D	Threshold reached beyond 2040
30330	-26.13	148.77	LJCM, TCM	S&D	Threshold reached beyond 2040
30782	-26.06	149.16	UJCM, LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
30923	-27.5	151.5	UJCM, LJCM	S&D	Threshold reached beyond 2040
30950	-27.46	151.47	LJCM	S&D	Threshold reached beyond 2040
32886	-26.27	148.82	GUB, WTB	S&D	Threshold reached beyond 2040
33453	-27.67	151.37	LJCM	A	Threshold reached 2032 to 2040
34347	-26.1	148.61	LJCM	S&D	Threshold reached beyond 2040
35462	-27.55	151.51	LJCM	S&D	Threshold reached beyond 2040
35514	-27.39	151.05	WTB, USBK	S&D	Threshold reached beyond 2040
35663	-27.23	151.47	TCM, DUR	S&D	Threshold reached 2032 to 2040
36218	-27.3	151.1	USBK	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
36221	-27.31	151.12	USBK	S&D	Threshold reached beyond 2040
36728	-26.15	148.83	LJCM	S&D	Threshold reached beyond 2040
36942	-26.12	148.72	LJCM	S&D	Threshold reached beyond 2040
36943	-26.16	148.71	LJCM	S&D	Threshold reached 2032 to 2040
36984	-26.07	148.66	LJCM, TCM	S&D	Threshold reached beyond 2040
37151	-26.85	150.07	WTB, USBK, LSBK, UJCM, LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
37342	-26.24	149.4	WTB	S&D	Threshold reached beyond 2040
37456	-27.3	151.49	LJCM	S&D	Threshold reached beyond 2040
38557	-27.03	150.66	WTB, USBK	S&D	Threshold reached beyond 2040
38573	-26.21	150.18	LJCM	S&D	Threshold reached beyond 2040
43686	-26.22	149.38	WTB, USBK	S&D	Threshold reached prior to 2032
44044	-26.17	150.01	UJCM	S&D	Threshold reached beyond 2040
44772	-27.31	151.49	LJCM	S&D	Threshold reached 2032 to 2040
48018	-27.27	151.42	LJCM	S&D	Threshold reached 2032 to 2040
48198	-27.11	151.31	TCM	S&I	Threshold reached prior to 2032
48210	-27.07	151.26	TCM	S&D	Threshold reached 2032 to 2040
48238	-26.86	150.63	USBK	S&D	Threshold reached 2032 to 2040
48448	-27.44	151.25	USBK	S&D	Threshold reached beyond 2040
48810	-26.01	149.54	LJCM	S&D	Finalised MGA
48917	-26.11	148.95	DUR	S&D	Threshold reached beyond 2040
48918	-26.13	148.93	LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
48950	-26.3	150.07	DUR, UHUT	S&D	Threshold reached 2032 to 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
48954	-26.22	149.06	LJCM	S&D	Finalised MGA
48957	-26.23	149.07	UJCM, LJCM	S&D	Finalised MGA
48958	-26.3	149.66	WTB	S&D	Threshold reached beyond 2040
48985	-26.13	149.21	LJCM, TCM, DUR	S&D	Finalised MGA
52589	-27.3	151.49	LJCM	TWS	Threshold reached 2032 to 2040
55127	-27.23	151.48	LJCM, TCM	S&D	Threshold reached beyond 2040
58049	-26.21	149.53	WTB	S&D	Threshold reached beyond 2040
58109	-26.12	148.86	UJCM, LJCM, TCM, DUR	S&D	Threshold reached beyond 2040
58164	-26.23	149.01	USBK, LSBK, UJCM	S&D	Threshold reached beyond 2040
58167	-26.22	148.85	USBK	S&D	Threshold reached 2032 to 2040
58217	-26.17	150.05	TCM, DUR, UHUT	S&D	Threshold reached prior to 2032
58635	-26.35	150.27	LJCM, TCM	S&D	Threshold reached prior to 2032
58670	-26.15	148.82	UJCM, LJCM	S&D	Threshold reached beyond 2040
58793	-26.27	148.82	WTB	S&D	Threshold reached beyond 2040
58849	-26.26	148.7	WTB, USBK, LSBK	S&D	Threshold reached beyond 2040
61118	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
61603	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
61666	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
62660	-24.05	148.7	UBAN, LBAN	S&D	Threshold reached prior to 2032
64183	-27.3	151.49	LJCM	TWS	Threshold reached 2032 to 2040
64472	-27.07	151.26	TCM	S&D	Threshold reached 2032 to 2040
64836	-26.76	150.85	TCM	S&I	Threshold reached beyond 2040
71038	-27.3	151.49	LJCM	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
71420	-27.23	151.05	USBK	S&D	Threshold reached beyond 2040
71442	-27.23	151.04	USBK	S&D	Threshold reached beyond 2040
83351	-27.08	151.27	LJCM, TCM	S&D	Threshold reached 2032 to 2040
83417	-27.61	151.51	LJCM	S&D	Threshold reached beyond 2040
83418	-27.61	151.5	LJCM	S&D	Threshold reached beyond 2040
83478	-27.33	151.64	LJCM	S&I	Threshold reached prior to 2032
83662	-27.35	151.73	UJCM, LJCM, TCM, DUR	S&D	Threshold reached 2032 to 2040
83745	-27.3	151.49	LJCM	S&D	Threshold reached beyond 2040
86624	-26.97	150.79	UJCM	S&D	Threshold reached 2032 to 2040
86736	-27.3	151.4	UJCM	S&D	Threshold reached beyond 2040
86745	-27.28	151.39	LJCM	S&D	Threshold reached 2032 to 2040
86990	-27.33	151.1	USBK	S&D	Threshold reached beyond 2040
87037	-27.67	150.87	DUR, UHUT	S&I	Threshold reached beyond 2040
87094	-27.31	151.44	UJCM, LJCM	S&I	Threshold reached beyond 2040
87486	-27.32	151.45	UJCM, LJCM, TCM	S&I	Threshold reached beyond 2040
87492	-27.65	151.3	LJCM	A	Threshold reached 2032 to 2040
87501	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
87761	-26.78	150.81	LJCM	S&D	Threshold reached beyond 2040
87910	-27.33	151.09	USBK	S&D	Threshold reached beyond 2040
87925	-27.16	151.41	UJCM, LJCM, TCM	S&D	Threshold reached beyond 2040
87935	-27.33	151.45	UJCM, LJCM	S&I	Threshold reached beyond 2040
94018	-27.72	151.18	UHUT, LHUT	S&I	Threshold reached beyond 2040
94145	-27.3	151.49	LJCM	S&I	Threshold reached 2032 to 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
94198	-27.12	150.81	USBK	S&D	Finalised MGA
94692	-27.27	150.98	WTB, USBK	S&D	Threshold reached beyond 2040
94875	-27.3	151.48	LJCM	S&D	Threshold reached beyond 2040
94983	-27.35	151.75	TCM, DUR	S&D	Threshold reached 2032 to 2040
107009	-27.47	151.49	LJCM	S&D	Threshold reached beyond 2040
107328	-27.36	151.09	USBK	S&D	Threshold reached 2032 to 2040
107698	-26.89	150.61	UJCM	S&D	Finalised MGA
107739	-26.89	150.61	UJCM	S&D	Finalised MGA
107760	-26.89	150.58	UJCM, LJCM	S&I	Finalised MGA
107761	-26.89	150.58	LSBK, UJCM	S&I	Finalised MGA
107762	-26.89	150.58	UJCM	S&I	Finalised MGA
107830	-27.06	151.28	TCM	I	Threshold reached beyond 2040
107868	-26.89	150.65	LSBK, UJCM, LJCM, TCM	S&D	Finalised MGA
119132	-27.18	151.34	LJCM	A	Threshold reached beyond 2040
119410	-27.27	151.05	USBK	S&D	Threshold reached beyond 2040
119423	-27.24	151.02	USBK	S&D	Threshold reached beyond 2040
119677	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
123265	-26.15	150.02	UJCM	S&D	Threshold reached beyond 2040
123651	-26.23	150.17	LJCM	S&D	Threshold reached 2032 to 2040
123784	-26.67	150.2	WTB	S&D	Threshold reached beyond 2040
137184	-26.88	150.55	USBK	S&D	Threshold reached beyond 2040
137344	-27.34	151.03	WTB, USBK	S&D	Threshold reached beyond 2040
137550	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
137551	-27.34	151.09	USBK	S&D	Threshold reached beyond 2040
137605	-27.07	151.27	TCM	S&D	Threshold reached 2032 to 2040
137640	-27.58	151	USBK	S&D	Threshold reached beyond 2040
137958	-27.25	150.99	USBK	S&D	Threshold reached beyond 2040
137968	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040
137975	-26.86	150.5	USBK	S&D	Finalised MGA
137978	-26.9	150.46	USBK	S&D	Threshold reached beyond 2040
147004	-26.93	150.71	USBK, LSBK	S&D	Threshold reached prior to 2032
147177	-26.89	150.61	USBK	S&D	Finalised MGA
147188	-27.65	151.28	LJCM	S&D	Threshold reached 2032 to 2040
147358	-26.87	150.41	USBK	S&D	Finalised MGA
147363	-27.33	151.09	USBK	S&D	Threshold reached beyond 2040
147377	-27.28	151.42	LJCM	S&D	Threshold reached 2032 to 2040
147443	-27.07	151.27	TCM	S&D	Threshold reached 2032 to 2040
147491	-27.28	151.42	LJCM	S&D	Threshold reached 2032 to 2040
147539	-27.18	151.35	LJCM	A	Threshold reached beyond 2040
147662	-27.08	151.26	TCM	S&D	Threshold reached 2032 to 2040
147691	-27.23	150.87	USBK	A	Threshold reached beyond 2040
147709	-27.08	151.26	TCM	S&D	Threshold reached 2032 to 2040
147711	-27.23	150.87	USBK	A	Threshold reached beyond 2040
147755	-27.08	151.26	TCM	S&D	Threshold reached 2032 to 2040
147804	-27.3	151.38	UJCM	S&D	Threshold reached 2032 to 2040
147813	-26.87	150.51	USBK	S&D	Finalised MGA

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
147900	-27.19	151.33	LJCM	S&D	Threshold reached 2032 to 2040
147936	-27.16	151.39	TCM, DUR	S&D	Threshold reached 2032 to 2040
147979	-27.17	150.73	USBK	S&D	Threshold reached beyond 2040
168009	-27.33	151.09	USBK	S&D	Threshold reached beyond 2040
168010	-27.33	151.1	USBK	S&D	Threshold reached beyond 2040
168043	-27.29	151.06	USBK	S&D	Threshold reached beyond 2040
168044	-27.33	151	USBK	S&D	Threshold reached beyond 2040
168045	-27.3	151.01	USBK	S&D	Threshold reached beyond 2040
168046	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040
168050	-27.27	150.9	WTB, USBK	S&D	Threshold reached beyond 2040
168053	-27.11	150.84	USBK	S&D	Threshold reached beyond 2040
168080	-27.47	151.14	USBK	S&D	Threshold reached prior to 2032
168114	-26.15	148.92	LJCM	S&D	Threshold reached beyond 2040
168115	-26.84	150.48	USBK	S&D	Threshold reached beyond 2040
168116	-26.84	150.48	USBK	S&D	Threshold reached beyond 2040
168187	-26.84	150.48	USBK	S&D	Threshold reached beyond 2040
168188	-26.84	150.48	USBK	S&D	Threshold reached beyond 2040
168203	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040
168206	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040
168210	-27.33	151.09	USBK	S&D	Threshold reached beyond 2040
168278	-26.06	149.21	TCM	S&D	Threshold reached 2032 to 2040
168290	-26.12	149.01	TCM	S&D	Threshold reached beyond 2040
168326	-27.13	150.69	TCM	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
168337	-27.23	150.88	USBK	S&D	Threshold reached beyond 2040
168345	-27.3	151.1	USBK	S&D	Threshold reached beyond 2040
168357	-27.35	151.09	USBK	S&D	Threshold reached beyond 2040
168364	-26.84	150.48	USBK	S&D	Threshold reached beyond 2040
168365	-26.85	150.48	USBK	S&D	Threshold reached beyond 2040
168375	-26.21	150.02	UJCM	S&D	Threshold reached beyond 2040
172167	-27.07	151.26	TCM	S&D	Threshold reached 2032 to 2040
172268	-27.09	151.31	TCM	S&D	Threshold reached 2032 to 2040
172353	-27.31	151.49	LJCM	S&D	Threshold reached beyond 2040
172437	-27.07	151.26	LJCM, TCM, DUR	S&D	Threshold reached 2032 to 2040
172551	-27.07	151.26	TCM, DUR	S&D	Threshold reached 2032 to 2040
172574	-27.61	151.51	UJCM, LJCM	S&D	Threshold reached beyond 2040
172615	-27.67	151.15	LSBK	S&D	Threshold reached prior to 2032
172616	-27.3	151.49	LJCM	S&D	Threshold reached beyond 2040
172617	-27.31	151.49	LJCM	S&D	Threshold reached beyond 2040
172848	-27.32	151.45	LJCM, TCM	S&D	Threshold reached beyond 2040
192133	-27.57	151.1	USBK	S&D	Threshold reached beyond 2040
192144	-27.08	151.26	LJCM, TCM	S&D	Threshold reached 2032 to 2040
192296	-27.18	151.43	TCM	S&D	Threshold reached 2032 to 2040
192315	-27.91	151.29	DUR	TWS	Threshold reached prior to 2032
192351	-27.08	151.26	LJCM, TCM	S&D	Threshold reached 2032 to 2040
192353	-27.38	150.58	LJCM, TCM, DUR, UHUT	S&D	Threshold reached beyond 2040
192360	-27.3	151.49	LJCM	S&D	Threshold reached 2032 to 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
192385	-26.69	150.76	TCM	S&D	Threshold reached beyond 2040
192420	-27.17	151.39	TCM	S&D	Threshold reached prior to 2032
192449	-27.28	151.42	LJCM	S&D	Threshold reached 2032 to 2040
192509	-27.72	151.11	LSBK	S&D	Threshold reached beyond 2040
192510	-27.68	151.13	LSBK	S&D	Threshold reached 2032 to 2040
192540	-27.07	151.26	TCM	S&D	Threshold reached 2032 to 2040
192688	-27.33	151.48	LJCM	A	Threshold reached beyond 2040
192779	-27.15	151.21	UHUT, LHUT, UEVG	TWS	Threshold reached beyond 2040
192800	-27.82	151.23	DUR	S&D	Threshold reached prior to 2032
205173	-27.29	151.38	LJCM	S&D	Threshold reached 2032 to 2040
207034	-27.68	151.17	UJCM	S&D	Threshold reached 2032 to 2040
207814	-26.94	150.75	LSBK	S&D	Threshold reached beyond 2040
208129	-26.94	150.75	LSBK	S&D	Threshold reached beyond 2040
208130	-26.94	150.74	UJCM	S&D	Threshold reached 2032 to 2040
208133	-26.94	150.75	LSBK	S&D	Threshold reached 2032 to 2040
209048	-26.94	150.75	LSBK	S&D	Threshold reached 2032 to 2040
209128	-27.3	151.42	LJCM	S&D	Threshold reached 2032 to 2040
209213	-27.07	151.26	LJCM, TCM	S&D	Threshold reached 2032 to 2040
209963	-27.19	151.33	LJCM	S&D	Threshold reached 2032 to 2040
1200001187^	-26.93	150.71	LSBK	S&D	Threshold reached prior to 2032
1200001202^	-26.86	150.74	UJCM	S&D	Threshold reached beyond 2040
1200001210^	-27.06	151.26	LJCM, TCM	S&D	Threshold reached beyond 2040
1200001212^	-26.71	150.78	LJCM, TCM, DUR	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
1200001282^	-27.77	151.04	LSBK	S&D	Threshold reached beyond 2040
1200001308^	-26.2	150.09	LJCM	S&D	Threshold reached prior to 2032
1200001336^	-27.38	151.08	USBK	S&D	Threshold reached 2032 to 2040
1200001400^	-26.29	148.72	WTB	S&D	Threshold reached beyond 2040
1200001655^	-27.34	151.63	LJCM, TCM	S&D	Threshold reached 2032 to 2040
1200001696^	-27.28	151.63	LJCM, TCM	S&D	Threshold reached 2032 to 2040
1200001705^	-27.33	151.75	TCM	S&D	Threshold reached 2032 to 2040
1200001756^	-26.12	149.97	UJCM	S&D	Threshold reached beyond 2040
1200001788^	-27.34	151.69	TCM	S&D	Threshold reached 2032 to 2040
1200001790^	-27.36	151.69	TCM	S&D	Threshold reached 2032 to 2040
1200001795^	-27.33	151.64	LJCM	S&D	Threshold reached 2032 to 2040
1200001814^	-27.29	151.62	MRV, LJCM	S&D	Threshold reached prior to 2032
1200001819^	-26.67	150.65	LJCM	S&D	Threshold reached 2032 to 2040
1200001840^	-26.18	149.99	UJCM	S&D	Threshold reached beyond 2040
1200001851^	-27.3	151.64	LJCM	S&D	Threshold reached prior to 2032
1200001855^	-27.35	151.73	TCM	S&D	Threshold reached 2032 to 2040
1200001856^	-27.35	151.71	TCM	S&D	Threshold reached 2032 to 2040
1200001860^	-26.15	149.98	UJCM	S&D	Threshold reached beyond 2040
1200001868^	-26.13	149.97	UJCM	S&D	Threshold reached 2032 to 2040
1200001871^	-27.35	151.68	TCM	S&D	Threshold reached 2032 to 2040
1200001872^	-27.33	151.64	TCM	S&D	Threshold reached prior to 2032
1200001876^	-27.33	151.64	TCM	S&D	Threshold reached prior to 2032
1200001961^	-26.89	150.94	LJCM, TCM	S&D	Threshold reached beyond 2040

RN	Latitude	Longitude	Intersected formations	Purpose	LAA status
1200001997^	-26.27	149.9	USBK	S&D	Threshold reached beyond 2040

Notes:

- **Purpose:** S&D = stock and domestic. A = Agricultural. I = industrial. TWS = town water supply.
- **RN**: ^ = bore currently unregistered, temporary RN reference assigned by OGIA.

Schedule 6 Off-tenure baseline assessment bores

Formation abbreviations

DUR..... Durabilla Formation
LHUT ..... Lower Hutton Sandstone
LJCM ..... Lower Juandah Coal Measures
TCM..... Taroom Coal Measures
UEVG .... Upper Evergreen Formation
UHUT .... Upper Hutton Sandstone
UJCM .... Upper Juandah Coal Measures

Table S6-1: Details of bores identified for baseline assessment (off tenure)

RN	Latitude	Longitude	Intersected formations	Purpose	RTH
9583	-27.33	151.74	TCM, DUR, UHUT	S&D	New Hope
16427	-26.16	148.73	LJCM	S&D	Senex
17628	-27.28	151.48	TCM, DUR	S&D	Arrow
19009	-27.25	151.48	LJCM, TCM	S&D	Arrow
19011	-27.25	151.49	TCM	S&D	Arrow
19822	-27.33	151.64	LJCM	S&I	New Hope
21848	-27.34	151.67	LJCM	S&D	New Hope
35663	-27.23	151.47	TCM, DUR	S&D	Arrow
36943	-26.16	148.71	LJCM	S&D	Senex
55127	-27.23	151.48	LJCM, TCM	S&D	Arrow
64472	-27.07	151.26	TCM	S&D	Arrow
83351	-27.08	151.27	LJCM, TCM	S&D	Arrow
83478	-27.33	151.64	LJCM	S&I	New Hope
87925	-27.16	151.41	UJCM, LJCM, TCM	S&D	Arrow
94983	-27.35	151.75	TCM, DUR	S&D	New Hope
107830	-27.06	151.28	TCM	I	Arrow
119132	-27.18	151.34	LJCM	A	Arrow
147443	-27.07	151.27	TCM	S&D	Arrow
147539	-27.18	151.35	LJCM	A	Arrow
172167	-27.07	151.26	TCM	S&D	Arrow
192296	-27.18	151.43	TCM	S&D	Arrow
192315	-27.91	151.29	DUR	TWS	Genuity
192420	-27.17	151.39	TCM	S&D	Arrow
192540	-27.07	151.26	TCM	S&D	Arrow
192779	-27.15	151.21	UHUT, LHUT, UEVG	TWS	Arrow
205173	-27.29	151.38	LJCM	S&D	Arrow
209128	-27.3	151.42	LJCM	S&D	Arrow
209963	-27.19	151.33	LJCM	S&D	Arrow

Notes:

- **Purpose:** A = agricultural. I = industrial. S&D = stock and domestic. TWS = town water supply.

Schedule 7 Spring risk assessment

A risk assessment for all springs has been completed to guide the identification of sites for monitoring and mitigation actions in the UWIR 2025. Details of the assessment have been reported previously (Queensland Water Commission 2012; OGIA 2016, 2019, 2021).

The outcomes from the risk assessment for each spring complex and watercourse spring are summarised in Table S7-1. Only those sites where drawdown is currently or has been predicted in the springs' source aquifers are included. Responsible tenure holders are assigned where monitoring activities or mitigation plans are required under the UWIR 2025.

The following explanations apply to these tables:

- **Complex:** as defined by the Queensland Springs Dataset held by Queensland Herbarium. Watercourse springs have ***site numbers***.
- **Years before impact exceeds 0.2 metres (from 2025):** the time before predicted impact is to exceed 0.2 metres in the source aquifer at the location of the spring complex. These impacts are based on P&G development and coal mine development in the Surat Basin. Note, this does not include the influence of reinjection. This will significantly delay predicted impacts for springs that are fed from the Precipice Sandstone.
- **Maximum drawdown:** the magnitude and timing of the maximum impact predicted from the regional groundwater model in the source aquifer at the location of the spring complex. The range of values represents the range of uncertainty in the model predictions (P5 to P95).
- **Overall risk score:** the total risk score assigned to the spring in the current and previous iterations of the UWIR (2012, 2016, 2019, 2021, 2025).
- **RTH and Action:** the tenure holder responsible and the management action required.
- **Residual risk:** the resulting risk in consideration of the actions established under a mitigation action plan and subsequent implementation. There are also two watercourses that require validation prior to assignment of any monitoring or mitigation actions.

Table S7-1: Summary of predictions of impact and risk assessment for springs predicted to be impacted in the current and previous UWIRs

Spring group	Spring complex/ watercourse spring	Source aquifer	Max impact*		Time until 0.2 m (years)	Overall risk score					RTH	Action 2025	Residual risk 2025
			Metres	Timing (years)		2012	2016	2019	2021	2025			
Springrock	Springrock Creek (561)	Precipice Sandstone	2.5–4.8	36	0–3	5	5	5	5	5	Santos	Implement SIMP	2
	Hutton Creek (W216)		2.7–5.2	36	0–2	NA	NA	5	4	5			2
	Hutton Creek (W217a_ Upper)		3.1–6.1	36	0–2	NA	NA	5	4	5			2
311 / Yebna 2	311 (311)	Precipice Sandstone	1.0–2.0	36	0–5	4	5	5	5	5	Santos	Implement SIMP	2
	Yebna 2 (591)		0.8–1.4	36	0–7	4	5	5	5	5			2
	Dawson River (W40)		1.0–2.1	44–45	0–6	NA	3	4	3	5			2
	Hutton Creek (W81)		1.0–2.0	36	0–5	NA	3	5	3	5			2
	Hutton Creek (W217b_ Lower)		1.9–4.1	36	0–2	NA	NA	5	4	5			2
	Boyd Creek (W179a_ Upper)		0.8–1.5	37–38	0–6	-	-	-	-	5		Recheck potential watercourse reach and identify monitoring locations if likely to be receiving GW from Precipice, then integrate into the SIMP	5

Spring group	Spring complex/ watercourse spring	Source aquifer	Max impact*		Time until 0.2 m (years)	Overall risk score					RTH	Action 2025	Residual risk 2025
			Metres	Timing (years)		2012	2016	2019	2021	2025			
Lucky Last	Lucky Last (230)	Boxvale Sandstone	0.2–0.5	41–47	6–18	5	3	5	5	4	Santos	Implement SIMP	2
	Injune Creek (W82B)		0.2–0.5	41–47	6–18	NA	NA	NA	5	4			2
Dawson River	Dawson River (W42d_ Middle)	Precipice Sandstone	1.8–3.2	36–37	0–6	NA	NA	NA	4	5	Santos	Identify monitoring locations and integrate into the SIMP	5
Carnassier	Carnassier (722)	Precipice Sandstone	0.7–2.0	38–44	0–8		1	2	3	4	-	Verification (OGIA)	4
Cockatoo	Cockatoo (362)	Precipice Sandstone	0.2–0.4	53–55	17–29	NA	3	4	4	4	-	Verification (OGIA)	4
	Cockatoo Creek (W28)		0.2–0.4	52–55	17–30	NA	2	4	3	4			4
	Sandy Creek (W28a)		0.2–0.4	52–55	19–31	-	-	-	-	4			4
Bowenville	Bowenville (585)	Basalt	0.1–0.2	75	37	NA	3	3	3	3	-	Verification (OGIA)	3
Barton	Barton (283)	Gubberamunda Sandstone	0.6	>100	>35	4	5	2	3	3	Origin	Monitoring	3

Spring group	Spring complex/ watercourse spring	Source aquifer	Max impact*		Time until 0.2 m (years)	Overall risk score					RTH	Action 2025	Residual risk 2025
			Metres	Timing (years)		2012	2016	2019	2021	2025			
Robinson Creek	Robinson Creek (W254)	Precipice Sandstone	0.7–1.4	39–42	0–7	NA	NA	4	3	5	-	Verification (OGIA)	5
	Bell Creek (W168)		0.7–1.4	39–42	0–7	NA	NA	NA	4	5			5
	Dry Branch Creek (W206)		0.7–1.4	39–42	0–7	NA	NA	NA	NA	5			5
Wilkie Creek	Wilkie Creek (W278)	Alluvium	0.3–1.0	-	0–24	NA	NA	NA	5	5	New Wilkie Energy	Verification	5
Horse Creek	Horse Creek (W215)	Alluvium	NA	NA	NA	NA	NA	5	NA	NA	-	No action	NA
Orana	Orana (765)	Cenozoic	<0.2	NA	NA	NA	2	3	3	3	-	No action	3
Scotts Creek	Scotts Creek (260)	Hutton Sandstone	<0.2	NA	NA	5	5	3	3	3	Origin	Monitoring	3
Lonely Eddie	Lonely Eddie (339)	Precipice Sandstone	<0.2	-	-	NA	3	4	2	2	-	No action	2
Blyth Creek	Blyth Creek (W10)	Orallo	0.2–0.5	125–225	36–114	NA	NA	NA	3	4	-	Verification (OGIA)	4
Robin	Robin (327)	Precipice Sandstone	0.8–1.5	39–41	0–7	NA	NA	NA	3	3	-	Verification (OGIA)	3
Rocky Creek	Rocky Creek (W255)	Alluvium	0.1–0.4	0–225	84	NA	NA	NA	3	3	-	Verification (OGIA)	3

Spring group	Spring complex/ watercourse spring	Source aquifer	Max impact*		Time until 0.2 m (years)	Overall risk score					RTH	Action 2025	Residual risk 2025
			Metres	Timing (years)		2012	2016	2019	2021	2025			
Boggomoss	Boggomoss (5)	Precipice Sandstone	0.1–0.2	52–60	36	NA	NA	NA	3	3	-	Verification (OGIA)	3
	Dawson River 6 (6)		0.1–0.2	53–55	39	NA	NA	NA	3	3	-	Verification (OGIA)	3
Wounded	Wounded (304)	Precipice Sandstone	0.2–0.3	85–95	32–52	NA	NA	NA	2	3	-	Verification (OGIA)	3
Carnarvon Gorge	Murder (305)	Quaternary basalts	0.1–0.2	175	84–84	NA	NA	NA	1	2	-	Verification (OGIA)	2
	Sugarloaf (300)		0.1–0.3	105–115	42–84	NA	NA	NA	2	3	-	Verification (OGIA)	3
Dogwood Creek	Bottle Tree Creek (W174)	Alluvium	0.1–0.3	43–115	31	NA	NA	NA	3	3	-	Verification (OGIA)	3
Palm Tree Creek	Palm Tree Creek (W243)	Taroom Coal Measures	0.0–0.4	-	0	NA	NA	NA	3	3	-	Verification (OGIA)	3

Notes:

- SIMP = Santos spring impact management plan
- NA = not assessed or included in assessment
- * = The magnitude and timing of impact shown is for impact resulting from P&G and coal mining activities only – the *Water Act 2000* requirement. The impacts presented exclude the influence on groundwater levels from reinjection, which will materially change the magnitude and timing of impacts presented in the Precipice Sandstone and the Boxvale Sandstone.

Table S7-2: Summary of mitigation actions, triggers and reporting in the Santos SIMP

Spring group	Springrock	311/Yebna 2	Lucky Last
Spring complex / watercourse spring	Springrock Creek (561), Hutton Creek (W216), Hutton Creek (W217a)	Hutton Creek (W217b), Dawson River (W40), Hutton Creek (W81), 311 (311), Yebna 2 (591)	Lucky Last (230)
Source aquifer	Precipice Sandstone	Precipice Sandstone	Boxvale Sandstone Member
Currently agreed mitigation action (mitigation plans will be reviewed and revised as necessary based on the updated UWIR impact predictions)	Augment wetland flow (s3.6.2 of the Spring Impact Mitigation Plan Nov 2020).	Offset Origin Energy's forecast reinjection operations via retirement of applicable groundwater extraction licence (s3.6.1 of the Spring Impact Mitigation Plan Nov 2020).	Offset drawdown by retiring landholder extraction and/or stock control measures to improve wetland resilience to impact (s3.6.3 of the Spring Impact Mitigation Plan Nov 2020).
Trigger for action	Confirmation of CSG impacts at site FV14-01-1_G1* or SPRGWP02. Access to additional site RN 14837 is being evaluated for future trigger analysis.	Confirmation of CSG impacts at site MNHGWP02, MW0903, OKSGWP04 or OKSGWP05.	Confirmation of CSG impacts at site RN 13030882 or RN 123470.
Action implementation by	Santos		
Time to implement	Within two years of confirmation of trigger at FV14-01-1_G1, and within one year at SPRGWP02.	Within two years of confirmation of trigger at MNHGWP02, OKSGWP04 or OKSGWP05 and within one year at MW0903.	Within two years of confirmation of trigger at RN 13030882 and within one year at or RN 123470.
Data reporting to OGIA by	Santos (six-monthly, in accordance with WMS (Chapter 9))		
Trigger reporting by	OGIA		
Trigger confirmation by	OGIA		
Trigger confirmation and/or reporting to	DETSI and Santos (six-monthly)		

Note:
* = Replacement trigger site for VW0903P1, which failed during the UWIR 2021 reporting period.

Table S7-3: Summary of trigger monitoring bores identified in the Santos SIMP

Spring group	RN	Monitoring point ID	Latitude	Longitude	Formation	Trend (m/yr)	Interpretation
Lucky Last[1]	13030882A	-	-25.802848	148.772808	Precipice Sandstone	+0.01	Possible early response to reinjection from 2015. Relatively stable trends since then, with minor fluctuations observed following large rainfall events. No CSG impacts observed in the available data.
	123470A	-	-25.793340	148.774538	Precipice Sandstone	+0.06	Initial response to reinjection peaked in 2018. There was then a subsequent decline until mid-2020 as reinjection rates decreased, after which there has been a gradual rise. Short-term fluctuations appear to correlate well with rainfall. No CSG impacts observed in the available data.
311 / Yebna 2	160661A	MNHGWP02	-25.731034	148.845791	Precipice Sandstone	-0.06	Installed after reinjection commenced. Significant initial response (~1 m) to reinjection, with levels peaking in 2017. This was followed by a decline in levels until 2021, which coincided with a dry period and a reduction in reinjection rate. Since then, levels have stabilised at a low elevation and show minor fluctuations that appear to correlate with rainfall. CSG impacts are unlikely from the available data.
	160650A	MW0903	-25.731047	148.981027	Precipice Sandstone	+0.10	Minor rising period for several years prior to reinjection commencing in 2015. A strong response (~1.5 m) to reinjection is observed, with levels peaking in 2017 followed by a slight decrease to a more elevated baseline that has continued since 2019. Recent step in data is likely due to site repairs in 2023. No CSG impacts observed in the available data.
	To be confirmed	OKSGWP04	-25.789701	148.871461	Precipice Sandstone	-	New site in October 2023. Slight rise in groundwater level through 2024. No CSG impacts observed in the data available at this time.
	To be confirmed	OKSGWP05	-25.798402	148.872849	Precipice Sandstone	-0.10	New site in March 2023. Short-term fluctuations and trends are greater and noisier than an adjacent bore. Overall stable level through 2024. No CSG impacts observed in the data available at this time.

Spring group	RN	Monitoring point ID	Latitude	Longitude	Formation	Trend (m/yr)	Interpretation
Springrock	160653B	VW0903P1	-25.753857	148.794845	Precipice Sandstone	-0.11	No new data after late 2020. Historical data had a strong correlation with rainfall and no CSG impacts were observed in the available data. Site replaced by FV14-01-1_G1 in late 2024.
	To be confirmed	FV14-01-1_G1	-25.756553	148.790741	Precipice Sandstone	-	Replacement site for VW0903P1 from late 2024. Only three weeks of data available for review. Groundwater level is similar to surrounding bores. A longer record is needed to identify any trends.
	123531A	SPRGWP02	-25.762813	148.771798	Precipice Sandstone	+0.01	The data indicates that groundwater levels in this bore have a strong correlation with rainfall and subsequent flooding of the adjacent creek. The recent stepped increase in level is likely due to site repairs in 2023. No CSG impacts observed in the available data.

Note:

1. Access to an additional site RN14837 is being evaluated for future trigger analysis.

Schedule 8 Spring monitoring sites

The following explanations apply to these tables:

- **Complex, Name and Vent ID:** a unique identifier combination for each spring vent or watercourse. For spring vents, these are as identified in the Queensland Springs Dataset held by Queensland Herbarium.
- **Wetland discharge (extent):** the reference to the method to be used as defined in Table S8-3.
- **Water chemistry:** the reference to the chemistry suite as defined in Table S8-4.
- **Discharge:** the reference to the methods for measuring discharge as defined in Table S8-3.
- **Flora:** the requirement to monitor spring flora as defined in Table S8-3.
- **Condition:** the requirement to assess spring condition as defined in Table S8-3.

Table S8-1: Spring vents – monitoring sites and methods

Complex	Name	Vent ID	Wetland discharge (extent)	Water chemistry	Discharge	Flora	Condition	Monitoring frequency	RTH
230	Lucky Last	287	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	340	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	686	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.1	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.2	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.3	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.4	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.5	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	687.6	-	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	688	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
230	Lucky Last	689	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
591	Yebna 2	534	A	A and B	A	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
311	311	536	See Table S8-2					6-monthly (approx. Apr and Nov[1])	Santos
311	311	693	A	A and B	A	-	Yes	6-monthly (approx. Apr and Nov[1])	Santos
311	311	695-699	See Table S8-2					6-monthly (approx. Apr and Nov[1])	Santos
311	311	704	A	A and B	A	-	Yes	6-monthly (approx. Apr and Nov[1])	Santos
561	Springrock Creek	285	See Table S8-2					6-monthly (approx. Apr and Nov)	Santos
592	Abyss	286	B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
592	Abyss	286.1	B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos

Complex	Name	Vent ID	Wetland discharge (extent)	Water chemistry	Discharge	Flora	Condition	Monitoring frequency	RTH
592	Abyss	286.2	B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
592	Abyss	286.3	B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Santos
260	Scotts Creek	189	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	190	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.1	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.2	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.3	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.4	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.5	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	191.6	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	192	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
260	Scotts Creek	192.1	A and B	-	-	Yes	Yes	6-monthly (approx. Apr and Nov[1])	Origin
283	Barton	702	-	-	-	-	Yes	6-monthly (approx. Apr and Nov[1])	Origin

Note:

1. Preferred months corresponding to the end of the wet season and the end of the dry season. Surveys can be completed in adjacent months if climatic or site access conditions are more favourable.

Table S8-2: Watercourse springs – monitoring sites and methods

Spring group	Spring complex/ watercourse spring	Chemistry	Physical discharge	RTH
Springrock	Springrock Creek (561)	Six-monthly sampling downstream of complex (Suite A, Table S8-4).	Annual low-flow sampling downstream of complex.	Santos
	Hutton Creek (W217a)	Annual sampling at all sites on this watercourse – HC12 to HC17 (Suite A, Table S8-4). Six-monthly sampling at HC16.	Annual low-flow sampling at all sites on this watercourse – HC12 to HC17. Six-monthly low-flow sampling at HC16.	Santos
	Hutton Creek (W216)	Annual sampling at all sites on this watercourse – HC1 to HC11 (Suite A, Table S8-4). Six-monthly sampling at HC10.	Annual low-flow sampling at all sites on this watercourse – HC1 to HC11. Six-monthly low-flow sampling at HC10.	Santos
311 / Yebna 2	Dawson River (W40)	Annual sampling at all sites on this watercourse – DR1 to DR13 (Suite A, Table S8-4). Six-monthly sampling at DR11.	Annual low-flow sampling at all sites on this watercourse – DR1 to DR13. Six-monthly low-flow sampling at DR11.	Santos
	Hutton Creek (W81)	Annual sampling at all sites on this watercourse – LHC3 to LHC6 (Suite A, Table S8-4). Six-monthly quality sampling at LHC6.	Annual low-flow sampling at all sites on this watercourse – LHC3 to LHC6. Six-monthly low-flow sampling at LHC6.	Santos
	Hutton Creek (W217b)	Annual sampling at all sites on this watercourse – LHC1 to LHC2 (Suite A, Table S8-4). Six-monthly sampling at LHC1.	Annual low-flow sampling at all sites on this watercourse – LHC1 to LHC2. Six-monthly low-flow sampling at LHC1.	Santos
	Vent 536 (311)	Six-monthly sampling at existing S2 v-notch weir (Suite A, Table S8-4).	Six-monthly low-flow sampling at existing S2 v-notch weir.	Santos
	Vents 695-699 (311)	Six-monthly sampling at existing S1 v-notch weir (Suite A, Table S8-4).	Six-monthly low-flow sampling at existing S1 v-notch weir.	Santos
	Boyd Creek (W179) *	Annual/six-monthly sampling at sites agreed with RTH following confirmation of groundwater connectivity (Suite A, Table S8-4).	Annual/six-monthly sampling at sites agreed with RTH following confirmation of groundwater connectivity.	Santos
Dawson River watercourse	Dawson River (W42d) *	Annual/six-monthly sampling at sites agreed with RTH (Suite A, Table S8-4).	Annual/six-monthly sampling at sites agreed with RTH.	Santos

Note:
* = Suitable monitoring locations to be proposed by RTH

Table S8-3: Spring monitoring attributes and methods

Attribute	Method and description	
Wetland discharge (extent)	Method A	The wetland discharge is monitored using the presence of known spring aquatic plants as a proxy of water discharge. A list of aquatic and terrestrial species for each spring complex is provided in Table S8-5. Table S8-5: These species are to inform the delineation of the aquatic vegetation extent. • For wetlands with an area greater than 1.5 m², use a DGPS to map the extent of aquatic vegetation, as described in Fensham and Fairfax (2009). • For wetlands with a total area of less than 1.5 m², estimate total area of aquatic vegetation and moist soil zone.
	Method B	The wetland discharge is monitored using the extent of the seasonally moist soil zone – the saturated extent.
Water Chemistry (Table S8-4)	Measure and sample water quality in accordance with 'Monitoring and Sampling Manual, Environmental Protection (Water) Policy' (Department of Environment and Science 2018). Sampling and measurements must be taken as close as possible to the primary discharge areas – ideally where flowing conditions exist.	
	Suite A	Field water quality measurements.
	Suite B	Collect a water sample for laboratory analysis.
Discharge	Method A	Direct flow measurement using permanent stream gauging infrastructure, or a standard low-flow field hydrology method, is used at the monitoring location.
	Method B	Visual estimate of spring discharge if flows are small and cannot be practically measured.
Flora	Presence or absence of species listed in Table S8-5.	
Condition	Photograph the wetland from all aspects. For each photograph, record the photograph sequence number, time, date and orientation and describe the features in the photograph. Photograph and describe the following signs of water availability: • whether or not there has been recent rainfall • overall greenness and vigour of spring vegetation • extent of free water within the wetland • extent of discharge flows from the wetland • extent of surface water erosion at the periphery of the wetland • extent of soil moisture around the spring or the lack thereof • extent of salt scalding or iron staining at the periphery of the wetland • extent of shrinking or collapsing of mound structures • extent of woody emergent vegetation within and fringing the wetland • degree and recentness of pugging and animal disturbance • degree and recentness of anthropogenic disturbance at the wetland.	

Table S8-4: Spring water chemistry monitoring suite

Suite	Parameters
Suite A Field parameters	pH
	Electrical conductivity (µS/cm @ 25° C)
	Redox (Eh)
	Temperature (° C)
Suite B Laboratory analytes	Total dissolved solids
	Alkalinity Total alkalinity as $CaCO_3$ Bicarbonate as $CaCO_3$ Carbonate as $CaCO_3$ Hydroxide as $CaCO_3$
	Sulphate – SO_4 by ICPAES
	Chloride
	Major cations – calcium, magnesium, potassium, sodium
	Bromide, iodide, fluoride
	Total Nitrogen as N (including NOx and TKN)
	Total Phosphorus as P
	Total organic carbon (TOC)
	Dissolved organic carbon (DOC)
	Total and dissolved metals – strontium
Suite C Isotopes	Radon (^{222}Rn)
	Stable isotopes of water (^{18}O and ^{2}D)
	Strontium ($^{87}/^{86}Sr$)

Table S8-5: Springs target species list

Target species name	Category	Species type	Listed species[1]
Adenostemma lavenia	Disjunct[2]	Aquatic	-
Aeschynomene indica	Invasive Native	Aquatic	-
Ammannia multiflora	Invasive Native	Aquatic	-
Ampelopteris prolifera	Disjunct	Aquatic	-
Arthraxon hispidus	Rare or Threatened[3]	Aquatic	Y
Azolla pinnata	Invasive Native	Aquatic	-
Baccharis halimifolia	Invasive Exotic	Aquatic	-
Bacopa monnieri	Native	Aquatic	-
Machaerina rubiginosa (previously known as Baumea rubiginosa)	Native	Aquatic	-

Target species name	Category	Species type	Listed species[1]
Carex appressa	Native	Aquatic	-
Cenchrus ciliaris	Exotic	Terrestrial	-
Cenchrus purpurascens	Disjunct	Aquatic	-
Centella asiatica	Native	Aquatic	-
Centipeda minima	Invasive Native	Aquatic	-
Chloris gayana	Invasive Exotic	Terrestrial	-
Cirsium vulgare	Native	Terrestrial	-
Cyclosorus interruptus	Disjunct	Aquatic	-
Cynodon dactylon	Invasive Native	Terrestrial	-
Cyperus difformis	Disjunct	Aquatic	-
Cyperus laevigatus	Disjunct	Aquatic	-
Cyperus polystachyos	Invasive Native	Aquatic	-
Duma florulenta	Native	Terrestrial	-
Eleocharis cylindrostachys	Native	Aquatic	-
Eleocharis sp.	Invasive Exotic	Aquatic	-
Eragrostis sp	Native	Terrestrial	-
Eriocaulon carsonii	Rare or Threatened	Aquatic	Y
Eriocaulon scariosum	Native	Aquatic	-
Fimbristylis ssp.	Exotic	Aquatic	-
Isachne globosa	Disjunct	Aquatic	-
Leersia hexandra	Native	Aquatic	-
Livistona nitida	Rare or Threatened	Aquatic	Y
Ludwigia octovalvis	Invasive Native	Aquatic	-
Ludwigia peploides subsp. montevidensis	Invasive Native	Aquatic	-
Melaleuca viminalis	Native	Terrestrial	-
Pontederia cyanea (previously known as Monochoria cyanea)	Invasive Native	Aquatic	-
Myriophyllum artesium	Native	Aquatic	-
Myriophyllum gracile	Native	Aquatic	-
Opuntia tomentosa	Invasive Exotic	Aquatic	-
Ottelia ovalifolia	Invasive Native	Aquatic	-
Paspalum distichum	Invasive Native	Aquatic	-
Phaius australis	Rare or threatened	Aquatic	Y
Philydrum lanuginosum	Native	Aquatic	-
Phragmites australis	Invasive Native	Aquatic	-
Rhynchospora brownii	Disjunct	Aquatic	-

Target species name	Category	Species type	Listed species[1]
Rumex crispus	Exotic	Terrestrial	-
Sacciolepis indica	Disjunct	Aquatic	-
Sesbania cannabina	Invasive Native	Aquatic	-
Landoltia punctata (previously known as Spirodela punctata)	Invasive Native	Aquatic	-
Thelypteris confluens	Rare or Threatened	Aquatic	Y
Typha domingensis	Invasive Native	Aquatic	-
Typha orientalis	Invasive Native	Aquatic	-
Urochloa mutica	Invasive Exotic	Aquatic	-
Utricularia bifida	Disjunct	Aquatic	-
Utricularia dichotoma	Native	Aquatic	-

Notes:

1. Species with listed values under the *Environment Protection and Biodiversity Conservation Act 1999* or *Nature Conservation Act 1992*
2. Species records that occur further than 250 km from any other known record, other than in a spring wetland (Fensham, Pennay & Drimer 2012)
3. Rare or threatened includes species listed as extinct, extinct in the wild, critically endangered, endangered, vulnerable or conservation dependent under either the *Nature Conservation Act 1992* or *Environment Protection and Biodiversity Conservation Act 1999* (Department of Environment, Science and Innovation, Queensland 2013).

Schedule 9 Summary of responsible tenure holder obligations

Table S9-1: Summary of responsible tenure holder obligations

Responsible tenure holder	Water bore obligations (Chapter 11)		Water Monitoring Strategy (Chapter 12)									SIMS (Chapter 13)			
			Installation and maintenance of monitoring infrastructure and six-monthly provision of data to OGIA									Monitoring and validation sites			Mitigation groups
			Installed			To be installed									
	BA	*BB*	*GL*	*GC*	*PR*	*GL*	*GC*	*PR*	*GWX*	*Reinjection*	Subsidence *LiDAR*	*V1*	*W*	*V2*	
Arrow	36	20	139	14	12	20	15	4	Yes		Yes				
Origin	19		166	42	36	11	2	9	Yes	Yes		12			
QGC	12		133	22	55	1	1	2	Yes						
Santos			140	20	39	21	5	8	Yes			22	7		4
Senex	3	2	25	1	6		1	4	Yes						
Bridgeport			1			1			Yes						
Tri-Star			6	3					Yes						
Armour									Yes						
ADZ									Yes						
OGT									Yes						
Denison Gas									Yes						
CS Energy			15												
Glencore			8			3									
Genuity	1	1	14												
New Hope	6	5	41												
New Wilkie Energy			3											1	
Yancoal			13												
TBC			1												
Total	**77**	**28**	**705**	**102**	**148**	**57**	**24**	**27**	**–**	**–**	**–**	**34**	**7**	**1**	**4**

Notes:

BA = bore assessment bores (section 11.4.2)
BB = bore baseline (off tenure) bores (section 11.6 & 12.9)
GC = groundwater chemistry monitoring point (section 12.6)
GL = groundwater level monitoring point (section 12.5)
GWX = production well monthly volume reporting (section 12.7)
LiDAR = LiDAR capture and annual data provision (section 12.12)
PR = production well groundwater chemistry point (section 12.7)
Reinjection = monthly reinjection volume reporting (section 12.9)
TBC = tenure holder to be confirmed – OGIA to work with tenure holder to maintain monitoring continuity whilst policy review is underway
V1 = spring vent monitoring site (section 13.7.1)
W = watercourse spring monitoring site (section 13.7.2)
V2 = watercourse validation site (section 13.7.3)

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