

Statistical analysis of water quality data for Kyalla 117 Anthony Lagoon Beds monitoring		Alkalinity (Bicarbonate) as CaCO3	Alkalinity (Total) as CaCO3	Anions Total	Bicarbonate	Calcium (Filtered)	Carbonate	Cations Total	Chloride	Electrical Conductivity (Lab)	Fluoride	Ionic Balance	Magnesium (Filtered)	Methane	Nitrate (as N)	Nitrite + Nitrate (as N)	pH (Lab)	Potassium (Filtered)	Silicon as Si (Filtered)	Sodium (Filtered)	Sulphate as SO4 (Filtered)	Total Dissolved Solids	Arsenic	Arsenic (Filtered)	Barium	Barium (Filtered)	Boron	Boron (Filtered)	Iron	Iron (Filtered)	
		mg/L	mg/L	meq/L	mg/L	mg/L	mg/L	meq/L	mg/L	µS/cm	mg/L	%	mg/L	mg/L	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
EQ		1	1	0.01		1		0.01	1	1	0.1	0.01	1	0.01	0.01	0.01	0.01	1	0.05	1	1	10	0.001	0.001	0.001	0.001	0.05	0.05	0.05	0.05	
Location_Code	Sampled_Date_Time																														
RN40896 (BET-MB021)	1/02/2019	292	292	13.1	356.24	81	0.6	12.5	157	1090	1	2.11	41	<0.01	0.07	0.07	7.31	13	9.73	110	135	787	0.002	0.002	0.06	0.051	0.25	0.22	0.68	0.4	
RN40896 (BET-MB021)	23/02/2019	259 - 261	259 - 261	13.9 - 14.1	315.98 - 318.42	79 - 82	0.6	12 - 12.3	190 - 192	1180 - 1190	0.9 - 1	6.84 - 7.35	40	<0.01	0.02	0.02	7.39 - 7.43	12	10 - 10.1	104 - 106	164 - 167	712 - 738	0.007 - 0.008	0.004	0.122 - 0.127	0.104 - 0.105	0.2 - 0.21	0.19 - 0.2	2.56 - 2.8	<0.05	
RN40896 (BET-MB021)	20/03/2019	268	268	12.9	326.96	88	0.6	13.6	168	1150	1	2.57	45	<0.01	0.04	0.04	7.51	14	11.6	119	137	716	0.003	0.003	0.08	0.087	0.22	0.23	0.53	0.6	
RN40896 (BET-MB021)	3/05/2019	246 - 248	246 - 248	11.9 - 12.1	300.12 - 302.56	70 - 71	0.6	11.7 - 11.8	174	1180 - 1190	1.1	0.96 - 1.03	40	0.03 - 0.042	0.04 - 0.05	0.04 - 0.05	7.43 - 7.46	12	9.16 - 9.25	106 - 108	102 - 106	701 - 704	0.006 - 0.007	0.006	0.085 - 0.089	0.081 - 0.082	0.2	0.2	0.6 - 0.65	0.52 - 0.57	
RN40896 (BET-MB021)	3/06/2019	249	249	12.6	303.78	82	0.6	12.9	164	1340	1	1.03	42	0.042	<0.01	<0.01	7.68	13	10.1	115	145	682	0.006	0.005	0.084	0.077	0.21	0.21	1.66	1.55	
RN40896 (BET-MB021)	4/07/2019	245	245	12	298.9	83	0.6	12.6	167	1370	1.1	2.3	41	0.029	0.01	0.01	7.72	12	9.84	110	117	698	0.005	0.004	0.079	0.075	0.23	0.22	0.69	0.55	
RN40896 (BET-MB021)	17/08/2019	224	224	13	273.28	83	0.6	13	181	1200	1	0.03	45	0.021	0.02	0.02	7.47	13	10.1	110	162	750	0.003	0.003	0.067	0.064	0.18	0.21	1.09	0.89	
RN40896 (BET-MB021)	14/09/2019	244	244	13.1	297.68	76	0.6	11.9	172	1250	1.1	4.91	41	0.043	0.02	0.02	7.59	12	9.51	102	164	754	0.002	0.002	0.063	0.06	0.2	0.21	0.69	0.78	
RN40896 (BET-MB021)	16/10/2019	256	256	13	312.32	78	0.6	12.1	175	1270	1.1	3.26	41	<0.01	0.05	0.05	7.85	14	9.47	104	140	664	0.001	0.001	0.062	0.059	0.22	0.21	0.58	0.45	
RN40896 (BET-MB021)	16/10/2019	264	264	13.2	322.08	78	0.6	12.2	177	1270	1.1	3.72	41	<0.01	0.04	0.04	7.89	14	9.32	106	140	692	0.001	0.001	0.064	0.06	0.23	0.2	0.54	0.4	
RN40896 (BET-MB021)	26/11/2019	276	276	13	336.72	74	0.6	12.2	169	1190	1	3.08	42	<0.01	0.03	0.03	7.64	15	10.3	108	131	672	0.001	0.001	0.065	0.064	0.21	0.2	1.25	0.88	
RN40896 (BET-MB021)	17/12/2019	292	292	13.6	356.24	72	0.6	11.8	165	1220	1	6.94	38	<0.01	0.03	0.03	7.88	16	10.8	108	149	685	<0.001	<0.001	0.061	0.053	0.21	0.22	0.25	0.17	
RN40896 (BET-MB021)	25/03/2020	288	288	13.6	351.36	78	0.6	11.7	179	1190	1	7.37	38	<0.01	0.03	0.03	7.65	15	10.6	99	133	696	<0.001	<0.001	0.057	0.057	0.19	0.27	1.39	0.32	
RN40896 (BET-MB021)	24/05/2020	294	294	13.3	358.68	75	0.6	11.8	169	1170	1.1	6.13	38	<0.01	0.02	0.02	7.87	12	11.4	106	129	667	<0.001	<0.001	0.057	0.056	0.21	0.21	0.93	0.66	
RN40896 (BET-MB021)	5/08/2020	302	302	13.2	368.44	81	0.6	12.6	163	1380	1.2	2.03	41	0.03	<0.01	<0.01	7.53	15	-	111	121	699	<0.001	<0.001	0.058	0.05	0.2	0.2	1.01	0.39	
RN40896 (BET-MB021)	10/10/2020			13.3	357.46	92	0.6	12.5	172	1240	1	3.21	37	0.072	<0.01	<0.01	7.51	15	9.43	103	126	657	<0.001	<0.001	0.062	0.056	0.25	0.2	1.26	1.15	
RN40896 (BET-MB021)	6/11/2020			13.2	367.22	82	0.6	11.9	166	1150	1	4.94	37	0.015	0.02	0.02	7.48	15	10.8	101	118	692	<0.001	<0.001	0.058	0.057	0.21	0.2	0.57	0.48	
RN40896 (BET-MB021)	19/01/2021			13.3	363.56	80	0.6	12.3	177	1160	1.1	3.9	40	0.052	0.01	0.01	7.57	14	10.1	108	115	710	<0.001	<0.001	0.059	0.057	0.24	0.17	1.45	0.9	
RN40896 (BET-MB021)	26/04/2021	298	298	13	348.92	91	0.6	12.8	135	1180	1.2	0.87	40	<0.01	0.04	0.04	7.74	15	10.6	105	139	650	<0.001	<0.001	0.055	0.055	0.21	0.24	0.49	0.45	
Statistical Analysis of Anthony Lagoon Beds baseline water quality	Number of Results	16	16	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	Number of Detects	16	16	19	19	19	19	19	19	19	19	19	19	9	16	16	19	19	19	19	19	19	11	11	19	19	19	19	19	19	18
	Minimum Concentration	224	224	11.9	273.28	70	0.6	11.7	135	1090	0.9	0.03	37	<0.01	<0.01	<0.01	7.31	12	9.16	99	102	650	<0.001	<0.001	0.055	0.05	0.18	0.17	0.25	<0.05	
	Minimum Detect	224	224	11.9	273.28	70	0.6	11.7	135	1090	0.9	0.03	37	0.015	0.01	0.01	7.31	12	9.16	99	102	650	0.001	0.001	0.055	0.05	0.18	0.17	0.25	0.17	
	Maximum Concentration	302	302	14.1	368.44	92	0.6	13.6	192	1380	1.2	7.37	45	0.072	0.07	0.07	7.89	16	11.6	119	167	787	0.008	0.006	0.127	0.105	0.25	0.27	2.8	1.55	
	Maximum Detect	302	302	14.1	368.44	92	0.6	13.6	192	1380	1.2	7.37	45	0.072	0.07	0.07	7.89	16	11.6	119	167	787	0.008	0.006	0.127	0.105	0.25	0.27	2.8	1.55	
	Average Concentration	269	269	13	333	80	0.6	12	170	1221	1.1	3.5	40	0.021	0.027	0.027	7.6	14	10	107	135	700	0.0022	0.0019	0.069	0.064	0.21	0.21	0.97	0.61	
	Median Concentration	266	266	13.1	336.72	80.5	0.6	12.2	169	1190	1	3.21	41	0.005	0.02	0.02	7.59	14	10.1	107	135	696	0.001	0.001	0.062	0.059	0.21	0.21	0.69	0.545	
Standard Deviation	24	24	0.48	29	5.8	0	0.51	11	77	0.072	2.2	2.2	0.02	0.017	0.017	0.17	1.3	0.69	4.8	17	35	0.0023	0.0018	0.017	0.014	0.019	0.021	0.57	0.36		
50th percentile	272	272	13.1	348.92	81	0.6	12.3	169	1200	1.05	3.21	41	0.036	0.03	0.03	7.64	14	10.1	108	135	692	0.002	0.003	0.062	0.057	0.21	0.21	0.69	0.55		
75th percentile	292	292	13.3	357.46	83	0.6	12.6	174.75	1270	1.1	4.91	41	0.04525	0.04	0.04	7.74	15	10.65	110	140	710	0.003	0.004	0.065	0.064	0.2275	0.22	1.25	0.88		
RN41137 (BET-MB023)	10/07/2021	284	284	11.6	346.48	78	-	10.9	134	1080	1	3.17	37	0.011	0.01	0.01	7.6	14	10.3	83	104	640	0.012	0.008	0.085	0.063	0.22	0.22	5.88	1.56	
	Ratio	0.97	0.97	0.87	0.97	0.94	NA	0.87	0.77	0.85	0.91	0.65	0.90	0.24	0.25	0.25	0.98	0.93	0.97	0.75	0.74	0.90	4.00	2.00	1.31	0.98	0.97	1.00	4.70	1.77	
	75th percentile exceedance	FALSE	FALSE	FALSE	FALSE	FALSE	NA	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	TRUE	TRUE

Statistical analysis of water quality data for Kyalla 117 Anthony Lagoon Beds monitoring		Lithium	Lithium (Filtered)	Manganese	Manganese (Filtered)	Nickel	Strontium	Strontium (Filtered)	Zinc	Zinc (Filtered)	Gross alpha	Gross beta activity - 40K
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	Bq/L
EQL		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.05	0.1
Location_Code	Sampled_Date_Time											
RN40896 (BET-MB021)	1/02/2019	0.056	0.052	0.023	0.017	0.002	0.694	0.611	0.018	0.008	0.46	0.42
RN40896 (BET-MB021)	23/02/2019	0.066 - 0.068	0.056 - 0.058	0.119 - 0.124	0.076 - 0.078	0.001 - 0.003	0.673 - 0.686	0.564 - 0.59	0.011 - 0.012	<0.005	0.32 - 0.34	0.28 - 0.34
RN40896 (BET-MB021)	20/03/2019	0.052	0.055	0.047	0.05	0.016	0.736	0.718	0.026	0.007	0.39	0.19
RN40896 (BET-MB021)	3/05/2019	0.05 - 0.051	0.048 - 0.05	0.045 - 0.047	0.04 - 0.042	<0.001	0.624 - 0.631	0.594 - 0.611	<0.005	<0.005	0.29 - 0.36	0.16 - 0.23
RN40896 (BET-MB021)	3/06/2019	0.051	0.051	0.067	0.063	0.018	0.707	0.629	0.098	0.015	0.32	0.18
RN40896 (BET-MB021)	4/07/2019	0.051	0.053	0.043	0.041	0.001	0.679	0.657	0.012	<0.005	0.32	0.12
RN40896 (BET-MB021)	17/08/2019	0.059	0.063	0.052	0.046	0.003	0.65	0.65	0.016	<0.005	-	-
RN40896 (BET-MB021)	14/09/2019	0.056	0.063	0.041	0.043	0.001	0.627	0.618	0.01	0.009	-	-
RN40896 (BET-MB021)	16/10/2019	0.052	0.044	0.034	0.03	<0.001	0.63	0.603	0.094	0.074	0.26	0.15
RN40896 (BET-MB021)	16/10/2019	0.053	0.045	0.033	0.029	<0.001	0.651	0.61	0.08	0.073	0.27	0.13
RN40896 (BET-MB021)	26/11/2019	0.045	0.043	0.038	0.037	<0.001	0.642	0.655	0.155	0.135	0.36	0.32
RN40896 (BET-MB021)	17/12/2019	0.045	0.042	0.014	0.01	<0.001	0.634	0.59	0.025	0.017	0.32	0.23
RN40896 (BET-MB021)	25/03/2020	0.042	0.046	0.017	0.011	<0.001	0.626	0.614	0.007	0.006	-	-
RN40896 (BET-MB021)	24/05/2020	0.044	0.043	0.027	0.028	<0.001	0.643	0.613	0.038	0.038	0.27	<0.1
RN40896 (BET-MB021)	5/08/2020	0.045	0.04	0.027	0.024	<0.001	0.687	0.569	0.018	0.01	-	-
RN40896 (BET-MB021)	10/10/2020	0.052	0.043	0.036	0.038	0.001	0.695	0.636	0.062	0.056	0.3	0.17
RN40896 (BET-MB021)	6/11/2020	0.046	0.046	0.024	0.024	<0.001	0.661	0.657	0.03	0.028	0.28	0.18
RN40896 (BET-MB021)	19/01/2021	0.048	0.043	0.034	0.027	<0.001	0.652	0.596	0.052	0.069	-	0.21
RN40896 (BET-MB021)	26/04/2021	0.043	0.047	0.02	0.018	<0.001	0.643	0.624	0.039	0.041	-	0.19
Statistical Analysis of Anthony Lagoon Beds baseline water quality	Number of Results	19	19	19	19	19	19	19	19	19	16	16
	Number of Detects	19	19	19	19	8	19	19	18	15	16	15
	Minimum Concentration	0.042	0.04	0.014	0.01	<0.001	0.624	0.564	<0.005	<0.005	0.26	<0.1
	Minimum Detect	0.042	0.04	0.014	0.01	0.001	0.624	0.564	0.007	0.006	0.26	0.12
	Maximum Concentration	0.068	0.063	0.124	0.078	0.018	0.736	0.718	0.155	0.135	0.46	0.42
	Maximum Detect	0.068	0.063	0.124	0.078	0.018	0.736	0.718	0.155	0.135	0.46	0.42
	Average Concentration	0.05	0.049	0.039	0.034	0.0026	0.66	0.62	0.042	0.031	0.32	0.2
	Median Concentration	0.051	0.046	0.034	0.03	0.0005	0.651	0.614	0.026	0.015	0.32	0.19
	Standard Deviation	0.0063	0.0069	0.024	0.017	0.0051	0.031	0.035	0.04	0.036	0.055	0.09
50th percentile	0.051	0.046	0.034	0.029	0.002	0.651	0.618	0.03	0.028	0.32	0.185	
75th percentile	0.052	0.052	0.041	0.041	0.0095	0.687	0.65	0.062	0.0625	0.34	0.215	
RN41137 (BET-MB023)	10/07/2021	0.047	0.044	0.077	0.066	<0.001	0.565	0.682	0.007	<0.005	0.19	0.47
	Ratio	0.90	0.85	1.88	1.61	0.11	0.82	1.05	0.11	0.08	0.56	2.19
	75th percentile exceedance	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	TRUE

Statistical analysis of water quality data for Kyalla 117 Gum Ridge Formation monitoring		Alkalinity (Bicarbonate) as CaCO3	Alkalinity (Total) as CaCO3	Anions Total	Calcium (Filtered)	Chloride	Electrical Conductivity (Lab)	Fluoride	Ionic Balance	Magnesium (Filtered)	pH (Lab)	Potassium (Filtered)	Silicon as Si (Filtered)	Sodium (Filtered)	Sulphate as SO4 (Filtered)	Total Dissolved Solids	Arsenic	Arsenic (Filtered)	Barium	Barium (Filtered)	Boron	Boron (Filtered)	Copper	Iron	
		mg/L	mg/L	meq/L	mg/L	mg/L	µS/cm	mg/L	%	mg/L	pH_Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
EQL		1	1	0.01	1	1	1	0.1	0.01	1	0.01	1	0.05	1	1	10	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.05	
Location_Code	Sampled_Date_Time																								
RN41132 (BET-MB022)	17/08/2019	271	271	13.7	109	159	1290	1.6	1.16	49	7.36	15	8.68	96	183	762	0.005	0.004	0.077	0.062	0.22	0.25	0.007	0.69	
RN41132 (BET-MB022)	14/09/2019	298	298	13.6	94	151	1260	1.5	4.12	41	7.56	14	9.42	94	162	746	0.004	0.005	0.067	0.06	0.2	0.2	<0.001	2.54	
RN41132 (BET-MB022)	16/10/2019	292	292	13.4	86	166	1260	1.4	5.35	40	7.5	14	9.62	94	138	638	0.004	0.004	0.064	0.062	0.21	0.21	<0.001	0.5	
RN41132 (BET-MB022)	16/10/2019	292	292	13.3	84	164	1260	1.4	6.22	39	7.48	13	9.52	92	136	630	0.005	0.004	0.063	0.06	0.22	0.2	0.001	0.67	
RN41132 (BET-MB022)	26/11/2019	284	284	13	84	164	1220	1.4	2.37	42	7.58	15	10.2	101	131	746	0.006	0.005	0.066	0.063	0.21	0.22	0.002	1.74	
RN41132 (BET-MB022)	17/12/2019	328	328	14.3	82	158	1250	1.4	7.94	38	7.82	16	10.4	105	158	744	0.004	0.003	0.058	0.046	0.22	0.23	<0.001	1.97	
RN41132 (BET-MB022)	25/03/2020	307	307	13.8	87	174	1170	1.4	7	38	7.36	15	10.2	95	132	683	0.006	0.005	0.061	0.062	0.18	0.2	0.002	1.07	
RN41132 (BET-MB022)	24/05/2020	305	305	13.4	89	165	1200	1.3	1.98	41	7.63	15	9.51	107	126	648	0.005	0.005	0.062	0.062	0.21	0.2	<0.001	3.11	
RN41132 (BET-MB022)	5/08/2020	320	320	13.3	89	157	1380	1.3	2.46	41	7.51	16	-	102	119	666	0.006	0.005	0.062	0.064	0.2	0.19	<0.001	2.63	
RN41132 (BET-MB022)	10/10/2020	305	305	13.5	104	169	1270	1.3	2.77	37	7.47	16	9.64	95	127	718	0.004	0.004	0.062	0.059	0.24	0.19	<0.001	2.3	
RN41132 (BET-MB022)	6/11/2020	341	341	13.7	88	160	1180	1.3	7.13	36	7.62	15	10.5	96	116	688	0.004	0.004	0.061	0.062	0.21	0.2	<0.001	2.32	
RN41132 (BET-MB022)	19/01/2021	324	324	14	88	180	1190	1.4	5.75	40	7.61	15	10.1	102	119	736	0.004	0.004	0.061	0.06	0.22	0.18	0.001	2.48	
RN41132 (BET-MB022)	26/04/2021	301	301	13.2	98	157	1190	1.5	0.88	40	7.7	16	10.1	100	131	684	0.004	0.004	0.063	0.061	0.21	0.23	<0.001	2.44	
Statistical Analysis of Gum Ridge Formation baseline water quality	Number of Results	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
	Number of Detects	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	5	13	
	Minimum Concentration	271	271	13	82	151	1170	1.3	0.88	36	7.36	13	8.68	92	116	630	0.004	0.003	0.058	0.046	0.18	0.18	<0.001	0.5	
	Minimum Detect	271	271	13	82	151	1170	1.3	0.88	36	7.36	13	8.68	92	116	630	0.004	0.003	0.058	0.046	0.18	0.18	0.001	0.5	
	Maximum Concentration	341	341	14.3	109	180	1380	1.6	7.94	49	7.82	16	10.5	107	183	762	0.006	0.005	0.077	0.064	0.24	0.25	0.007	3.11	
	Maximum Detect	341	341	14.3	109	180	1380	1.6	7.94	49	7.82	16	10.5	107	183	762	0.006	0.005	0.077	0.064	0.24	0.25	0.007	3.11	
	Average Concentration	305	305	14	91	163	1240	1.4	4.2	40	7.6	7.6	15	9.8	98	137	699	0.0047	0.0043	0.064	0.06	0.21	0.21	0.0013	1.9
	Median Concentration	305	305	13.5	88	164	1250	1.4	4.12	40	7.56	7.56	15	9.87	96	131	688	0.004	0.004	0.062	0.062	0.21	0.2	0.0005	2.3
	Standard Deviation	19	19	0.35	8.1	7.8	58	0.091	2.4	3.2	0.13	0.13	0.91	0.52	4.7	20	46	0.00085	0.00063	0.0046	0.0045	0.014	0.02	0.0018	0.87
	50th percentile	305	305	13.5	88	164	1250	1.4	4.12	40	7.56	7.56	15	9.87	96	131	688	0.004	0.004	0.062	0.062	0.21	0.2	0.002	2.3
75th percentile	320	320	13.7	94	166	1260	1.4	6.22	41	7.62	7.62	16	10.2	102	138	744	0.005	0.005	0.064	0.062	0.22	0.22	0.002	2.48	
RN41136 (BET-MB024)	10/07/2021	284	284	12.4	90	153	1160	1.2	0.46	38	7.57	16	10.1	99	118	720	0.005	0.004	0.053	0.068	0.24	0.26	<0.001	2.13	
	Ratio	0.89	0.89	0.91	0.96	0.92	0.92	0.86	0.07	0.93	0.99	1.00	0.99	0.97	0.86	0.97	1.00	0.80	0.83	1.10	1.09	1.18	0.50	0.86	
	75th percentile exceedance	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	TRUE	FALSE	FALSE

Statistical analysis of water quality data for Kyalla 117 Gum Ridge Formation monitoring		Iron (Filtered)	Lithium	Lithium (Filtered)	Manganese	Manganese (Filtered)	Methane	Nitrate (as N)	Nickel	Nickel (Filtered)	Strontium	Strontium (Filtered)	Zinc	Zinc (filtered)	Gross alpha	Gross beta activity - 40K
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	Bq/L
EQL		0.05	0.001	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.001	0.005	0.005	0.05	0.1
Location_Code	Sampled_Date_Time															
RN41132 (BET-MB022)	17/08/2019	0.89	0.048	0.049	0.021	0.072	<0.01	0.01	0.027	0.027	0.8	0.805	0.074	0.044	-	-
RN41132 (BET-MB022)	14/09/2019	0.47	0.044	0.04	0.075	0.024	<0.01	<0.01	0.005	0.006	0.776	0.759	0.02	0.009	-	-
RN41132 (BET-MB022)	16/10/2019	0.6	0.041	0.04	0.024	0.017	<0.01	<0.01	0.004	0.003	0.778	0.72	0.011	<0.005	1.12	0.35
RN41132 (BET-MB022)	16/10/2019	0.53	0.043	0.038	0.019	0.016	<0.01	0.03	0.008	0.004	0.924	0.694	0.026	0.02	1.16	0.37
RN41132 (BET-MB022)	26/11/2019	1.59	0.043	0.045	0.024	0.024	<0.01	<0.01	0.008	0.002	0.815	0.802	0.026	0.006	1.7	0.68
RN41132 (BET-MB022)	17/12/2019	0.6	0.042	0.037	0.029	0.021	0.01	<0.01	0.005	0.002	0.752	0.634	0.021	<0.005	1.43	0.52
RN41132 (BET-MB022)	25/03/2020	1.02	0.039	0.044	0.017	0.015	<0.01	<0.01	0.006	0.006	0.737	0.736	0.027	0.011	-	-
RN41132 (BET-MB022)	24/05/2020	2.72	0.042	0.04	0.031	0.03	0.022	<0.01	<0.001	<0.001	0.809	0.778	0.008	0.006	1.44	0.41
RN41132 (BET-MB022)	5/08/2020	2.41	0.041	0.041	0.023	0.023	0.039	<0.01	0.002	<0.001	0.788	0.792	0.012	0.005	-	-
RN41132 (BET-MB022)	10/10/2020	2.26	0.047	0.04	0.03	0.029	0.014	<0.01	0.001	<0.001	0.808	0.745	<0.005	<0.005	1.47	0.52
RN41132 (BET-MB022)	6/11/2020	1.85	0.044	0.043	0.024	0.022	0.022	<0.01	0.001	<0.001	0.79	0.796	<0.005	<0.005	1.29	0.42
RN41132 (BET-MB022)	19/01/2021	2.23	0.044	0.04	0.028	0.027	0.025	<0.01	<0.001	<0.001	0.792	0.738	<0.005	<0.005	1.24	0.51
RN41132 (BET-MB022)	26/04/2021	2.17	0.04	0.043	0.025	0.023	0.038	0.01	0.001	<0.001	0.766	0.745	0.012	<0.005	1.64	0.7
Statistical Analysis of Gum Ridge Formation baseline water quality	Number of Results	13	13	13	13	13	13	13	13	13	13	13	13	13	9	11
	Number of Detects	13	13	13	13	13	7	3	11	7	13	13	10	7	9	11
	Minimum Concentration	0.47	0.039	0.037	0.017	0.015	<0.01	<0.01	<0.001	<0.001	0.737	0.634	<0.005	<0.005	1.12	0.35
	Minimum Detect	0.47	0.039	0.037	0.017	0.015	0.01	0.01	0.001	0.002	0.737	0.634	0.008	0.005	1.12	0.35
	Maximum Concentration	2.72	0.048	0.049	0.075	0.072	0.039	0.03	0.027	0.027	0.924	0.805	0.074	0.044	1.7	0.7
	Maximum Detect	2.72	0.048	0.049	0.075	0.072	0.039	0.03	0.027	0.027	0.924	0.805	0.074	0.044	1.7	0.7
	Average Concentration	1.5	0.043	0.042	0.028	0.026	0.015	0.0077	0.0053	0.0041	0.8	0.75	0.019	0.0089	1.4	0.5
	Median Concentration	1.59	0.043	0.04	0.024	0.023	0.01	0.005	0.004	0.002	0.79	0.745	0.012	0.005	1.43	0.51
	Standard Deviation	0.83	0.0026	0.0032	0.015	0.014	0.013	0.007	0.0071	0.0072	0.045	0.049	0.019	0.012	0.2	0.13
	50th percentile	1.59	0.043	0.04	0.024	0.023	0.022	0.01	0.005	0.004	0.79	0.745	0.0205	0.009	1.43	0.51
75th percentile	2.23	0.044	0.043	0.029	0.027	0.0315	0.02	0.007	0.006	0.808	0.792	0.026	0.0155	1.47	0.52	
RN41136 (BET-MB024)	10/07/2021	1.31	0.048	0.047	0.026	0.024	0.019	<0.01	0.006	<0.001	0.798	0.739	<0.005	<0.005	1.55	1.56
	Ratio	0.59	1.09	1.09	0.90	0.89	0.60	0.50	0.86	0.17	0.99	0.93	0.19	0.32	1.05	3.00
	75th percentile exceedance	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE