

OFFICIAL

Sample Point	Date	Electrical		Field		Laboratory measurement of pH (pH unit)	Total Dissolved Solids (mg/l)	Field Temperature (°C)	Aluminium - Dissolved (mg/l)	Ammonia (mg/l)
		Conductivity (mS/cm)	Electrical Conductivity @ 25°C (µS/cm)	Electrical Conductivity (mS/cm)	Field pH (pH unit)					
MT Charlotte Dewatering	8/10/2020				79.5	7.71		20.9		
MT Charlotte Dewatering	25/11/2020				116.2	7.52		23.3		
MT Charlotte Dewatering	3/12/2020	112	112000		118.5	7.54	7.61	99400	27 <0.20	22.6
MT Charlotte Dewatering	8/01/2021				99.6	7.66		25.9		
MT Charlotte Dewatering	15/02/2021				107.2	7.59		25.9		
MT Charlotte Dewatering	11/03/2021	92.2	92200		87.6	7.7	7.71	78800	24.5 <0.20	14.7
MT Charlotte Dewatering	14/04/2021				113.9	7.47		21.3		
MT Charlotte Dewatering	31/05/2021				100.8	7.09		20		
MT Charlotte Dewatering	14/06/2021	101	101000		105.1	7.21	7.56	96000	18.5 <0.20	56.6
MT Charlotte Dewatering	11/07/2021				103.3	7.28		19.5		
MT Charlotte Dewatering	21/08/2021				105.6	7.41		21.2		
MT Charlotte Dewatering	13/09/2021	139	139000		117	7.72	7.64	106000	20.1 <0.20	28.1
MT Charlotte Dewatering	14/10/2021				119.9	7.37		20.9		
MT Charlotte Dewatering	24/11/2021				132.1	7.01		20.7		
MT Charlotte Dewatering	9/12/2021	121	121000		129.4	6.98	7.52	124000	22.4 <0.20	30.2
MT Charlotte Dewatering	16/01/2022				120.7	6.93		22.5		
MT Charlotte Dewatering	26/02/2022				130.4	7.42		22		
MT Charlotte Dewatering	9/03/2022	135	135000		130.7	6.65	7.57	125000	24.6 <0.20	27.2
MT Charlotte Dewatering	24/04/2022				90.3	7.31		24.2		
MT Charlotte Dewatering	22/05/2022				109.2	7.29		23.7		
MT Charlotte Dewatering	8/06/2022	97.4	97400		87.5	7.21	7.69	85600	21 <0.20	13.7
MT Charlotte Dewatering	10/07/2022	111.9				7.16		24.8		
MT Charlotte Dewatering	20/08/2022				114	6.67		25.3		
MT Charlotte Dewatering	22/09/2022	154	154000		110.7	5.86	7.61	102000	23.2 <0.20	14.9
MT Charlotte Dewatering	24/10/2022				107.6	7.61		27.1		
MT Charlotte Dewatering	14/11/2022				108	7.43		27.4		
MT Charlotte Dewatering	6/12/2022	123	123000		108.7	7.3	7.54	113000	26.2 <0.20	19.3
MT Charlotte Dewatering	17/01/2023				115.4	7.18		21.2		
MT Charlotte Dewatering	10/02/2023				107.8	7.06		27.8		
MT Charlotte Dewatering	5/03/2023	152	152000		101.1	6.98	7.48	119000	27.3 <0.20	33
Average		122	122,660		110	7.24	7.59	104,880	23.35 <0.20	26.03

OFFICIAL

Ammonium as N	Arsenic (mg/l)	Bicarbonate ion (mg/l)	Calcium (mg/l)	Carbonate ion (mg/l)	Chloride ion (mg/l)	Copper (mg/l)	Hardness as CaCO3 (mg/l)	Ionic Balance (%)	Iron (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Mercury (mg/l)	Nitrate ion (mg/l)	Nitrite ion (mg/l)
22.1	<0.020	147	1720	<1	44800	0.041	18500	8.12	<1.00	3440	0.966	<0.0005	46.6	1.34
14.3	<0.020	164	1830	<1	38400	<0.020	16500	7.34	<1.00	2900	0.844	<0.0002	38	1.47
55.4	<0.020	166	2210	<1	40800	0.872	17900	6.95	<1.00	3000	1.23	<0.0005	83.9	2.2
27.4	<0.020	158	2090	<1	57900	0.355	19500	1.92	<1.00	3460	1.26	<0.0005	48.3	1.77
29.6	<0.020	155	1970	<1	57000	0.14	21800	4.41	<1.00	4100	1.1	<0.0005	72.3	2.49
26.6	<0.020	152	2200	<1	64200	2.9	24100	2.82	<1.00	4520	1.85	<0.0005	49.5	1.77
13.3	<0.020	188	1780	<1	42700	0.054	15800	2.56	1.25	2760	1.04	<0.0005	33.4	1.06
14.6	<0.020	183	1700	<1	49500	0.029	18400	2.82	<1.00	3450	1.22	<0.0005	39.8	0.86
18.9		170	1960	<1	52900		19800	6.35	<1.00	3610	0.933		75.2	2.11
32.4	<0.020	139	2170	<1	58100	0.048	22700	7.45	<1.00	4200	1.28	<0.0005	81.3	3.37
25.46	<0.020	162	1,963	<1	50,630	0.55	19,500	5.07	1.25	3,544	1.17	<0.0005	56.83	1.84

OFFICIAL

Phosphate (mg/l)	Potassium (mg/l)	Reactive Phosphate mg/L	Silicon (mg/l)	Sodium (mg/l)	Sulphate ion (mg/l)	Total Alkalinity as CaCO3 (mg/l)	Total Anions (meq/l)	Total Cations (meq/l)	Total Phosphate (mg/l)	Total Phosphorous (mg/l)	Zinc (mg/l)	Weak Acid Dissociable Cyanide (mg/l)	Free Cyanide (mg/l)	Total Cyanide (mg/l)
0.03	164	0.09	9.9	29100	6050	147	1390	1640	0.49	0.16	0.1	<0.040	<0.040	<0.040
<0.01	160	<0.10	9.9	24200	5310	164	1200	1390	0.28	0.09	0.156	<0.040	<0.040	0.053
<0.01	182	<0.10	9.3	25000	5120	166	1260	1450	7.1	2.32	<0.100	0.503	0.448	1.21
<0.01	174	<0.10	9.1	29800	5730	158	1760	1690	0.49	0.16	0.157	0.146	0.14	0.367
<0.01	334	<0.10	8.8	33600	6420	155	1740	1900	<0.10	<0.05	0.197	<0.040	<0.040	0.046
<0.01	375	<0.10	8.3	36000	6260	152	1940	2060	<0.10	<0.05	<0.100			
<0.01	164	<0.10	2.9	24300	4810	188	1310	1380	0.43	0.14	<0.100	<0.040	<0.040	0.06
<0.01	264	<0.10	10.2	28200	5490	183	1510	1600	0.79	0.26	0.16	<0.040	<0.040	<0.040
0.02	192	<0.10	7.9	32800	5410	170	1610	1830	0.56	0.18		<0.040	<0.040	0.044
<0.01	205	<0.10	7.4	36500	5820	139	1760	2050	4.9	1.6	0.172	<0.040	<0.040	0.059
0.03	221	0.09	8.37	29,950	5,642	162	1,548	1,699	1.88	0.61	0.16	0.32	0.29	0.26