

**APPENDIX 10 2025 RESULTS OF THE TAILINGS SUPERNATANT
SAMPLING**

Tailings Liquid Parameter		Sample date	1/12/2025	1/24/2025	2/9/2025	2/23/2025	4/4/2025	4/16/2025	4/24/2025	5/14/2025	5/18/2025	6/11/2025	6/16/2025	6/17/2025	6/11/2025	6/14/2025	6/19/2025	7/11/2025	7/27/2025	8/25/2025	8/25/2025	9/21/2025	10/19/2025	11/2/2025	11/16/2025	11/29/2025	12/28/2025		
WQ02 - Conventional Parameters																													
pH	pH units		9.10	8.94	8.91	9.04	9.36	9.31	9.06	9.17	9.07	9.02	9.02	8.88	9.07	9.08	9.43	9.00	8.79	9.10	9.12	9.07	8.74	9.05	9.33	9.32	9.46		
Turbidity	NTU		58	130	54	18	32	26	6.9	18	29	23	< 0.1	1900	140	65	27	15	32	2100	26	31	40	16	14	11			
Hardness as CaCO3 Dissolved	mg/L		2360	2090	1960	2190	2440	1890	1890	1960	1890	1960	< 0.50	1840	1300	2140	660	2120	2200	2100	2260	2310	2490	2490	2790	2090	2090		
Total alkalinity as CaCO3	mg/L		280	330	200	300	300	230	230	230	230	1.9	240	330	260	190	100	180	170	240	230	190	230	190	230	110			
TDS	mg/L		12000	10600	13100	13200	13400	12800	12200	12800	12700	12400	< 10	12000	12400	13800	14900	9920	12100	11600	14200	14200	13750	13500	12600	11600	11300		
TSS	mg/L		67	360	99	52	53	40	29	24	57	32	< 1	8600	350	400	47	55	37	6700	38	58	70	40	52	37			
WQ03 - Major Ions																													
Chloride	mg/L		1800	2000	2100	1600	1500	1500	1600	1700	1500	1300	1300	< 1.0	1400	1400	1600	1800	710	1300	1300	1700	1500	1400	1100	1100	1100		
Cyanide	mg/L		35.9	52.2	64.9	32.2	34.3	30.8	33.0	28.5	12.3	18.6	18.8	< 0.00050	23.5	28.5	33.3	15.2	6.6	8.97	7.28	30.6	63.2	39.8	41.9	55.7	33.8		
Cyanide (free)	mg/L		0.02	0.054	0.063	0.041	< 1.0	< 1.0	< 1.0	< 0.00050	< 1.0	1.9	1.8	< 0.00050	< 1.0	0.61	< 1.0	< 1.0	1.2	1.09	1.14	< 0.50	< 1.0	< 1.0	< 1.0	< 0.0094	1.6		
Sulfate (SO4)	mg/L		< 1.0	3.9	< 1.0	< 1.0	4.2	2.8	2.2	0.0	0.0	1.9	4.9	4.5	< 0.00050	1.2	1.3	< 0.50	1.9	1.6	1.3	2.4	0.43	2.4	1.3	1.2	2.5	1.1	
Fluoride	mg/L		0.25	0.23	0.39	0.34	0.24	0.34	0.19	0.19	0.24	0.24	< 0.10	0.23	0.18	0.20	0.23	0.18	0.17	0.26	0.21	0.17	0.26	0.21	0.20	0.17	0.20	0.16	
Sulfate	mg/L		4900	3600	4900	5600	5400	5500	5100	5100	5500	5100	5100	< 0.50	5400	4600	5600	4800	2100	4400	4200	5300	4800	4800	5000	4900	5900		
WQ04 - Nutrients and Chlorophyll a																													
Ammonia Nitrogen (as N)	mg/L		280	260	290	320	340	350	370	310	8.4	8.2	8.2	0.11	330	310	340	280	120	270	250	300	260	300	270	340			
Nitrate (as N)	mg/L		76.2	61.0	85.7	79.6	77.8	76.9	61.1	73.7	76.8	75.9	75.2	< 0.10	89.5	75.5	79.3	205	34.1	76.3	70.7	95.4	151	123	99.8	74.3	88.1		
Nitrite (as N)	mg/L		0.30	0.53	0.56	0.32	0.53	0.51	0.36	0.32	0.36	0.30	0.37	< 0.010	0.30	0.42	0.35	0.41	0.128	0.265	0.255	0.32	0.35	0.35	0.30	0.44			
Nitrate + nitrite (as N)	mg/L		76.7	61.5	86.2	79.9	77.4	76.5	61.5	74.0	77.2	76.2	75.5	< 0.10	89.1	75.9	79.7	206	34.3	76.6	70.7	95.6	152	123	100	74.6	88.6		
Total phosphorus	mg/L		1.6	1.8	2.4	1.4	1.4	2.1	4.3	3.3	0.48	4.7	5.2	< 0.020	4.4	1.6	3.3	1.5	0.77	2.6	5.1	6.9	3.3	2.5	2.7	3.2	2.2		
Chlorophyllase (P)	mg/L		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
WQ06 - Total Metals																													
Aluminum	mg/L		1.29	2.82	1.14	0.71	3.26	1.22	0.70	1.09	0.695	0.729	0.642	< 0.0100	11.0	1.24	4.49	1.48	0.502	2.18	34.2	1.49	2.52	3.34	2.49	1.72	0.943		
Antimony	mg/L		< 0.025	< 0.020	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Arsenic	mg/L		19.6	9.00	13.9	20.3	13.2	17.5	18.3	17.3	15.9	13.8	18.0	< 0.00010	14.8	18.9	17.3	12.4	4.93	10.3	11.5	18.5	12.8	12.5	16.4	14.3	8.10		
Barium	mg/L		0.108	0.098	0.112	0.093	0.148	0.124	0.084	0.096	0.082	0.100	0.095	< 0.010	0.107	0.124	0.127	0.130	0.060	0.109	0.136	0.133	0.128	0.124	0.135	0.093	0.101		
Bismuth	mg/L		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Boron	mg/L		< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	< 2.5	< 1.0	
Cadmium	mg/L		< 0.00050	< 0.00020	< 0.00050	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	< 0.00020	< 0.00050	
Copper (total)	mg/L		779	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	789	890	
Chromium	mg/L		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cobalt	mg/L		0.379	0.288	0.470	0.481	0.343	0.343	0.566	0.543	0.533	0.530	0.532	< 0.00020	0.392	0.185	0.179	0.621	0.163	0.538	0.488	0.628	0.616	0.605	0.793	0.666	0.532		
Copper	mg/L		0.139	0.653	0.300	0.086	0.265	0.207	0.176	0.219	0.208	0.229	0.175	< 0.00050	0.293	0.248	0.201	0.386	0.682	0.424	0.561	0.554	0.897	2.89	0.428	3.67	0.351		
Iron	mg/L		8.89	12.8	15.0	8.15	13.2	7.53	7.67	4.02	3.32	3.32	< 0.010	45.9	7.84	12.2	3.52	1.92	1.52	1.78	8.93	13.4	11.5	12.5	12.5	9.20			
Lead	mg/L		0.016	0.0388	0.050	0.012	0.132	0.010	0.024	0.0260	0.0078	0.0669	< 0.00020	0.148	0.025	0.017	0.023	0.063	0.0063	0.0147	0.448	< 0.010	0.0689	0.0210	0.013	< 0.010	0.040		
Magnesium (total)	mg/L		4.8	7.1	5.7	6.1	5.3	3.7	3.6	3.4	5.21	3.2	3.2	< 0.050	9.0	4.0	4.2	2.9	2.69	3.7	24.5	4.4	2.2	2.4	3.0	3.9			
Manganese	mg/L		< 0.050	0.057	< 0.050	< 0.050	< 0.020	< 0.050	< 0.050	< 0.050	0.067	< 0.020	< 0.020	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Mercury	mg/L		< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	
Molybdenum	mg/L		0.340	0.179	0.379	0.493	0.493	0.999	0.496	0.630	0.630	0.391	0.398	< 0.010	0.383	0.325	0.234	0.777	0.137	0.408	0.474	0.400	0.331	0.482	0.419	0.452	0.429		
Nickel	mg/L		< 0.050	< 0.020	< 0.050	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Potassium (total)	mg/L		343	303	346	330	371	337	337	337	337	337	337	< 0.															