



Taseko Prosperity Gold-Copper Project

Appendix 3-7-II

OPEN PIT WATER CHEMISTRY

Year of Operation

Year of Operation

WATER BALANCE	Units	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
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END OF YEAR CONCENTRATION

Acidity, Total	mg/L	19.94	19.79	19.64	19.49	19.35	19.21	19.07	18.94	18.80	18.68	18.55	18.44	18.32	18.21	18.10	18.00
Alkalinity, Total	mg/L	189.76	188.71	187.70	186.73	185.79	184.89	184.02	183.18	182.38	181.60	180.85	180.13	179.44	178.77	178.13	177.51
Chloride	mg/L	8.10	8.04	7.99	7.93	7.88	7.83	7.78	7.72	7.68	7.63	7.58	7.54	7.49	7.45	7.41	7.37
Fluoride	mg/L	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Nitrate, as N	mg/L	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Nitrite, as N	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nitrogen, Ammonia as N	mg/L	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04
Sulfate, dissolved	mg/L	500	491	482	473	465	457	449	441	434	427	420	413	406	400	394	388
Aluminum, dissolved	mg/L	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29
Antimony dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Arsenic, dissolved	mg/L	0.0111	0.0111	0.0111	0.0110	0.0110	0.0109	0.0109	0.0108	0.0108	0.0107	0.0107	0.0106	0.0106	0.0106	0.0105	0.0105
Barium, dissolved	mg/L	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07
Beryllium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bismuth, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Boron, dissolved	mg/L	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Cadmium, dissolved	mg/L	0.00048	0.00048	0.00048	0.00048	0.00048	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047	0.00047
Calcium, dissolved	mg/L	205	205	204	203	202	201	201	200	199	198	198	197	196	196	195	194
Chromium, dissolved	mg/L	0.0029	0.0029	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
Cobalt, dissolved	mg/L	0.0023	0.0023	0.0023	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Copper, dissolved	mg/L	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.018
Iron, dissolved	mg/L	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Lead, dissolved	mg/L	0.0023	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Lithium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Magnesium, dissolved	mg/L	35.27	35.17	35.07	34.97	34.88	34.78	34.69	34.59	34.51	34.42	34.33	34.25	34.17	34.09	34.02	33.95
Manganese, dissolved	mg/L	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.50
Mercury, dissolved	mg/L	0.000072	0.000072	0.000072	0.000072	0.000073	0.000073	0.000073	0.000073	0.000073	0.000073	0.000073	0.000073	0.000074	0.000074	0.000074	0.000074
Molybdenum, dissolved	mg/L	0.023	0.023	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.019	0.019	0.019
Nickel, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Phosphorous, dissolved	mg/L	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16
Potassium, dissolved	mg/L	12.44	12.36	12.29	12.21	12.13	12.06	11.98	11.91	11.84	11.77	11.71	11.65	11.58	11.52	11.47	11.41
Selenium, dissolved	mg/L	0.0089	0.0088	0.0088	0.0087	0.0087	0.0086	0.0086	0.0085	0.0085	0.0085	0.0084	0.0084	0.0084	0.0083	0.0083	0.0083
Silver, dissolved	mg/L	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013
Silicon, dissolved	mg/L	10.45	10.43	10.41	10.39	10.37	10.35	10.33	10.31	10.29	10.28	10.26	10.24	10.23	10.21	10.20	10.18
Sodium, dissolved	mg/L	26.23	26.01	25.80	25.60	25.40	25.20	25.02	24.83	24.66	24.48	24.32	24.16	24.00	23.86	23.71	23.57
Strontium, dissolved	mg/L	3.74	3.73	3.72	3.71	3.70	3.69	3.68	3.67	3.65	3.64	3.64	3.63	3.62	3.61	3.60	3.59
Thallium, dissolved	mg/L	0.00056	0.00056	0.00057	0.00057	0.00057	0.00057	0.00058	0.00058	0.00058	0.00058	0.00058	0.00058	0.00059	0.00059	0.00059	0.00059
Tin, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanium, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Uranium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zinc, dissolved	mg/L	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Zircon, dissolved	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	s.u.	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1

OPEN PIT WATER CHEMISTRY

WATER BALANCE	Units	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
END OF YEAR CONCENTRATION																	
Acidity, Total	mg/L	17.90	17.80	17.70	17.61	17.53	17.44	17.36	17.28	17.21	17.14	17.07	17.00	16.93	16.87	16.81	16.75
Alkalinity, Total	mg/L	176.91	176.34	175.79	175.25	174.74	174.25	173.77	173.31	172.87	172.45	172.04	171.64	171.26	170.90	170.55	170.21
Chloride	mg/L	7.33	7.30	7.26	7.23	7.19	7.16	7.13	7.10	7.07	7.05	7.02	6.99	6.97	6.95	6.92	6.90
Fluoride	mg/L	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Nitrate, as N	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrite, as N	mg/L	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrogen, Ammonia as N	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Sulfate, dissolved	mg/L	383	377	372	367	362	357	353	349	344	340	336	333	329	326	322	319
Aluminum, dissolved	mg/L	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Antimony dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Arsenic, dissolved	mg/L	0.0105	0.0104	0.0104	0.0104	0.0103	0.0103	0.0103	0.0103	0.0102	0.0102	0.0102	0.0102	0.0101	0.0101	0.0101	0.0101
Barium, dissolved	mg/L	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Beryllium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bismuth, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Boron, dissolved	mg/L	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cadmium, dissolved	mg/L	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00046	0.00045
Calcium, dissolved	mg/L	194	193	193	192	191	191	190	190	190	189	189	188	188	187	187	187
Chromium, dissolved	mg/L	0.0031	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0033	0.0033
Cobalt, dissolved	mg/L	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Copper, dissolved	mg/L	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Iron, dissolved	mg/L	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Lead, dissolved	mg/L	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
Lithium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Magnesium, dissolved	mg/L	33.88	33.81	33.74	33.68	33.62	33.56	33.50	33.45	33.40	33.35	33.30	33.25	33.21	33.16	33.12	33.08
Manganese, dissolved	mg/L	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.48
Mercury, dissolved	mg/L	0.000074	0.000074	0.000074	0.000074	0.000074	0.000074	0.000074	0.000074	0.000074	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075
Molybdenum, dissolved	mg/L	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.016
Nickel, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Phosphorous, dissolved	mg/L	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Potassium, dissolved	mg/L	11.36	11.31	11.26	11.21	11.16	11.12	11.07	11.03	10.99	10.95	10.92	10.88	10.85	10.81	10.78	10.75
Selenium, dissolved	mg/L	0.0082	0.0082	0.0082	0.0082	0.0081	0.0081	0.0081	0.0081	0.0080	0.0080	0.0080	0.0080	0.0079	0.0079	0.0079	0.0079
Silver, dissolved	mg/L	0.00013	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012
Silicon, dissolved	mg/L	10.17	10.16	10.15	10.13	10.12	10.11	10.10	10.09	10.08	10.07	10.06	10.05	10.04	10.04	10.03	10.02
Sodium, dissolved	mg/L	23.44	23.31	23.19	23.07	22.95	22.84	22.73	22.63	22.53	22.43	22.34	22.25	22.17	22.08	22.00	21.93
Strontium, dissolved	mg/L	3.58	3.57	3.57	3.56	3.55	3.55	3.54	3.53	3.53	3.52	3.52	3.51	3.51	3.50	3.50	3.49
Thallium, dissolved	mg/L	0.00059	0.00059	0.00059	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00061	0.00061	0.00061	0.00061
Tin, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanium, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Uranium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zinc, dissolved	mg/L	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020
Zircon, dissolved	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	s.u.	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1

OPEN PIT WATER CHEMISTRY

WATER BALANCE	Units	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
END OF YEAR CONCENTRATION																			
Acidity, Total	mg/L	16.70	16.64	16.59	16.54	16.49	16.45	16.40	16.36	16.32	16.28	16.24	16.20	16.17	16.13	16.10	16.07	16.04	16.01
Alkalinity, Total	mg/L	169.88	169.57	169.26	168.97	168.69	168.42	168.16	167.91	167.67	167.43	167.21	166.99	166.79	166.59	166.39	166.21	166.03	165.86
Chloride	mg/L	6.88	6.86	6.84	6.82	6.80	6.78	6.77	6.75	6.74	6.72	6.71	6.69	6.68	6.67	6.65	6.64	6.63	6.62
Fluoride	mg/L	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Nitrate, as N	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrite, as N	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrogen, Ammonia as N	mg/L	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Sulfate, dissolved	mg/L	316	313	310	307	305	302	300	297	295	293	291	288	287	285	283	281	279	278
Aluminum, dissolved	mg/L	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Antimony dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Arsenic, dissolved	mg/L	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0098	0.0098	0.0098	0.0098
Barium, dissolved	mg/L	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Beryllium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bismuth, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron, dissolved	mg/L	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cadmium, dissolved	mg/L	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Calcium, dissolved	mg/L	186	186	186	185	185	185	185	184	184	184	184	183	183	183	183	183	182	182
Chromium, dissolved	mg/L	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
Cobalt, dissolved	mg/L	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
Copper, dissolved	mg/L	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Iron, dissolved	mg/L	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Lead, dissolved	mg/L	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
Lithium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Magnesium, dissolved	mg/L	33.04	33.00	32.97	32.93	32.90	32.87	32.83	32.80	32.78	32.75	32.72	32.69	32.67	32.65	32.62	32.60	32.58	32.56
Manganese, dissolved	mg/L	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.47
Mercury, dissolved	mg/L	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000075	0.000076	0.000076
Molybdenum, dissolved	mg/L	0.016	0.016	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Nickel, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Phosphorous, dissolved	mg/L	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Potassium, dissolved	mg/L	10.72	10.69	10.67	10.64	10.61	10.59	10.56	10.54	10.52	10.50	10.48	10.46	10.44	10.42	10.40	10.39	10.37	10.36
Selenium, dissolved	mg/L	0.0079	0.0079	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
Silver, dissolved	mg/L	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012
Silicon, dissolved	mg/L	10.01	10.01	10.00	9.99	9.99	9.98	9.97	9.97	9.96	9.96	9.95	9.95	9.94	9.94	9.93	9.93	9.93	9.92
Sodium, dissolved	mg/L	21.85	21.78	21.71	21.65	21.59	21.52	21.47	21.41	21.35	21.30	21.25	21.20	21.15	21.11	21.07	21.02	20.98	20.94
Strontium, dissolved	mg/L	3.49	3.48	3.48	3.47	3.47	3.47	3.46	3.46	3.46	3.45	3.45	3.45	3.44	3.44	3.44	3.44	3.43	3.43
Thallium, dissolved	mg/L	0.00061	0.00061	0.00061	0.00061	0.00061	0.00061	0.00061	0.00061	0.00061	0.00061	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062
Tin, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanium, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Uranium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zinc, dissolved	mg/L	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
Zircon, dissolved	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	s.u.	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1

OPEN PIT WATER CHEMISTRY								
WATER BALANCE	Units	94	95	96	97	98	99	100
END OF YEAR CONCENTRATION								
Acidity, Total	mg/L	15.98	15.95	15.93	15.90	15.88	15.85	15.83
Alkalinity, Total	mg/L	165.69	165.53	165.38	165.23	165.09	164.95	164.82
Chloride	mg/L	6.61	6.60	6.59	6.58	6.57	6.56	6.55
Fluoride	mg/L	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Nitrate, as N	mg/L	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Nitrite, as N	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrogen, Ammonia as N	mg/L	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Sulfate, dissolved	mg/L	276	275	273	272	270	269	268
Aluminum, dissolved	mg/L	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Antimony dissolved	mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Arsenic, dissolved	mg/L	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098
Barium, dissolved	mg/L	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Beryllium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bismuth, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron, dissolved	mg/L	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cadmium, dissolved	mg/L	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Calcium, dissolved	mg/L	182	182	182	182	181	181	181
Chromium, dissolved	mg/L	0.0033	0.0033	0.0033	0.0034	0.0034	0.0034	0.0034
Cobalt, dissolved	mg/L	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
Copper, dissolved	mg/L	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Iron, dissolved	mg/L	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Lead, dissolved	mg/L	0.0021	0.0021	0.0020	0.0020	0.0020	0.0020	0.0020
Lithium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Magnesium, dissolved	mg/L	32.54	32.52	32.50	32.48	32.47	32.45	32.43
Manganese, dissolved	mg/L	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Mercury, dissolved	mg/L	0.000076	0.000076	0.000076	0.000076	0.000076	0.000076	0.000076
Molybdenum, dissolved	mg/L	0.015	0.014	0.014	0.014	0.014	0.014	0.014
Nickel, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Phosphorous, dissolved	mg/L	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Potassium, dissolved	mg/L	10.34	10.33	10.31	10.30	10.29	10.27	10.26
Selenium, dissolved	mg/L	0.0077	0.0077	0.0077	0.0076	0.0076	0.0076	0.0076
Silver, dissolved	mg/L	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012
Silicon, dissolved	mg/L	9.92	9.92	9.91	9.91	9.91	9.90	9.90
Sodium, dissolved	mg/L	20.91	20.87	20.84	20.80	20.77	20.74	20.71
Strontium, dissolved	mg/L	3.43	3.43	3.42	3.42	3.42	3.42	3.42
Thallium, dissolved	mg/L	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062
Tin, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanium, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Uranium, dissolved	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zinc, dissolved	mg/L	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Zircon, dissolved	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	s.u.	8.1	8.1	8.1	8.1	8.1	8.1	8.1