

APPENDIX E.6

Waste Rock Geochemistry Analytical Sampling Results

Table E.6.1: Deposit No.1 Waste Rock - Geochemistry Summary Statistics Analytical Sampling Results - 2020

PAG	FIZZ RATING	NP	MPA	NNP	Ratio (NP:MNP)	C (%) ¹	S (%) ¹	Paste pH
		t CaCO ₃ /1,000 t	t CaCO ₃ /1000t	t CaCO ₃ /1,000 t				
COUNT	132	132	132	132	132	132	132	132
MIN	1	0.00	6.30	-75.00	0.000	0.010	0.138	4.5
MAX	1	24.00	88.10	17.00	3.490	1.240	2.310	10.0
MEAN	1	11.00	11.25	-1.00	0.910	0.025	0.362	7.8
Non-AG	FIZZ RATING	NP	MPA	NNP	Ratio (NP:MNP)	C (%) ¹	S (%) ¹	Paste pH
		t CaCO ₃ /1,000 t	t CaCO ₃ /1000t	t CaCO ₃ /1,000 t				
COUNT	-	-	-	-	-	2,619	2,911	2,911
MIN	-	-	-	-	-	0.010	0.003	6.0
MAX	-	-	-	-	-	4.040	0.196	10.0
MEAN	-	-	-	-	-	0.060	0.017	8.6

Notes:

¹ Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.2: Deposit No.1 Waste Rock - PAG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%) ¹	S (%) ¹	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_037	1000	1	22	7.2	15	3.06	0.01	0.241	8.4	7914203.31	563138.35	590.25	11.75	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_037	1810	1	13	8.1	5	1.6	0.02	0.261	8.1	7914159.5	563107.69	589.61	11.11	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	2016	1	10	7.2	3	1.39	0.03	0.211	8.7	7914667.91	563167.07	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	4117	1	11	7.8	3	1.41	0.17	0.247	9.2	7914597.52	563103.46	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	2115	1	7	9.4	-2	0.75	0.04	0.276	6.7	7914667.65	563160.62	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1717	1	17	12.2	5	1.39	0.03	0.383	8.2	7914674.37	563179.75	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1616	1	13	15.9	-3	0.82	0.05	0.44	7.6	7914680.5	563179.9	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1719	1	12	20.3	-8	0.59	0.07	0.537	7.4	7914668.16	563186.37	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1820	1	14	21.3	-7	0.66	0.02	0.613	7.6	7914661.69	563186.21	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1315	1	12	24.7	-13	0.49	0.06	0.669	7.3	7914693.34	563185.72	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1016	1	7	39.7	-33	0.18	0.04	1.1	7.1	7914698.32	563196.64	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1220	1	8	45	-37	0.18	0.04	1.12	6.9	7914680.92	563205.16	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1420	1	9	45.3	-36	0.2	0.05	1.175	6.7	7914674.51	563198.85	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1519	1	9	44.7	-36	0.2	0.04	1.195	7	7914674.46	563192.48	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1620	1	14	48.4	-34	0.29	0.02	1.235	8	7914668.1	563192.53	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1416	1	11	53.1	-42	0.21	0.03	1.335	7.6	7914687.15	563186.2	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1020	1	8	58.1	-50	0.14	0.01	1.49	6.4	7914687.01	563210.99	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1216	1	11	63.4	-52	0.17	0.05	1.5	7.5	7914693.15	563191.87	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_061	1121	1	10	27.8	-18	0.36	0.09	0.901	6.8	7914497	563357.06	588.49	9.99	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_061	1121	1	10	27.8	-18	0.36	0.09	0.901	6.8	7914497	563357.06	588.49	9.99	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_041	3004	1	6	7.8	-2	0.77	0.01	0.229	7.9	7914097.14	563119.77	588.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_041	1420	1	12	16.3	-4	0.74	0.01	0.525	8.2	7914108.71	563112.84	588.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_041	2022	1	13	28.4	-15	0.46	0.01	0.877	7.3	7914079.75	563112.35	588.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_043	2314	1	5	15.6	-11	0.32	0.02	0.451	6.8	7914015	563045.13	591.31	12.8	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_013	2522	1	7	6.9	0	1.02	0.09	0.248	6.2	7914189.08	563087.51	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_013	2700	1	5	7.8	-3	0.64	0.21	0.259	6.4	7914271.68	563142.82	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_051	2605	1	11	8.8	2	1.26	0.06	0.235	7.7	7913890.5	563042.19	589.93	11.43	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_051	2605	1	11	8.8	2	1.26	0.06	0.235	7.7	7913890.5	563042.19	589.93	11.43	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1004	1	19	6.3	13	3.04	0.07	0.204	8.1	7914251.5	563139.81	581.44	12.94	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1416	1	18	6.9	11	2.62	0.09	0.211	8.2	7914194	563126.94	580.97	12.47	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1830	1	13	7.8	5	1.66	0.08	0.215	8.1	7914126.42	563111.12	580.01	11.51	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1816	1	11	6.6	4	1.68	0.03	0.224	8.6	7914184.5	563143.56	580.74	12.24	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1816	1	11	6.6	4	1.68	0.03	0.224	8.6	7914184.5	563143.56	580.74	12.24	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1006	1	18	6.6	11	2.74	0.05	0.228	8.7	7914243	563135.31	581.69	13.19	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2535	1	11	8.4	3	1.3	0.01	0.241	7.5	7914089.51	563128.99	582.5	14	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	1212	1	10	8.8	1	1.14	0.01	0.277	6.6	7914734.43	563263.4	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2335	1	9	8.8	0	1.03	0.01	0.278	7.8	7914094.11	563120.61	581.45	12.95	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2133	1	17	10	7	1.7	0.01	0.295	8.1	7914107	563116.99	579.91	11.41	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2430	1	18	10.9	7	1.65	0.01	0.318	8.1	7914112.98	563136.13	580.82	12.32	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2333	1	18	11.9	6	1.52	0.01	0.336	8.1	7914102.16	563125.28	581.75	13.25	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1725	1	21	9.7	11	2.17	0.03	0.34	8.4	7914149.5	563118.06	580.18	11.68	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2426	1	10	10.9	-1	0.91	0.01	0.376	8.1	7914129.85	563144.34	580.41	11.91	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2018	1	15	12.2	3	1.23	0.01	0.392	8.3	7914171.56	563147.89	580.78	12.28	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2234	1	11	12.8	-2	0.86	0.05	0.412	7.9	7914100.56	563118.88	580.56	12.06	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	1018	1	14	15.3	-1	0.91	0.01	0.459	6.4	7914746.08	563274.59	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	1208	1	16	16.6	-1	0.97	0.02	0.485	6.7	7914720.15	563249.49	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1105	1	22	16.9	5	1.3	0.22	0.499	8.4	7914246	563140.44	581.28	12.78	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1600	1	17	26.9	-10	0.63	0.01	0.787	7.6	7914255.6	563171.95	580.98	12.48	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1400	1	16	36.3	-20	0.44	0.05	0.985	8.2	7914260.5	563163.56	581.06	12.56	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	3603	1	12	50.3	-38	0.24	0.07	1.255	7.2	7914689.33	563190.95	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	3203	1	11	59.7	-49	0.18	0.03	1.44	6.9	7914675.11	563206.41	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	650	N2_650_095	3001	1	14	88.1	-74	0.16	0.01	2.28	6.9	7914677.88	563219.05	659	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2117	1	20	6.3	14	3.2	0.05	0.2	8.1	7914307.88	563177.31	579	10.5	ALTERED CHLORITE SCHIST	PAG

Notes:

¹ Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.2: Deposit No.1 Waste Rock - PAG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%) ¹	S (%) ¹	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_021	1507	1	9	7.5	2	1.2	1.24	0.209	8	7914360.33	563174.56	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2216	1	18	7.2	11	2.5	0.01	0.22	8.5	7914309.9	563183.57	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	1721	1	17	7.2	10	2.37	0.03	0.249	7.8	7914300.33	563153.36	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2311	1	20	8.1	12	2.46	0.02	0.253	8.4	7914328.37	563198.43	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2319	1	17	8.1	9	2.09	0.01	0.256	8.5	7914295.8	563181.46	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	1517	1	14	7.2	7	1.95	0.06	0.27	6.9	7914320.45	563153.72	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2018	1	19	9.1	10	2.1	0.02	0.286	8.4	7914306.04	563171.58	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2208	1	16	9.4	7	1.71	0.1	0.29	8.3	7914341.75	563200.4	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	3008	1	22	8.4	14	2.61	0.01	0.294	8.3	7914286	563199.9	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	1610	1	11	9.7	1	1.14	0.87	0.308	7.8	7914346.28	563172.3	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2024	1	23	9.4	14	2.45	0.01	0.331	8.3	7914282.4	563159.33	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	1618	1	16	10.6	5	1.51	0.01	0.366	7.4	7914314.37	563155.63	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2517	1	24	12.5	12	1.92	0.01	0.418	8.2	7914299.61	563193.61	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2424	1	18	13.4	5	1.34	0.01	0.438	8.4	7914274.06	563175.28	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2416	1	24	22.8	1	1.05	0.01	0.709	8	7914305.68	563191.7	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2406	1	18	25	-7	0.72	0.05	0.729	8	7914345.56	563212.54	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2616	1	19	57.2	-38	0.33	0.01	1.73	7.9	7914301.08	563200.53	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	2906	1	4	6.3	-2	0.64	0.04	0.205	6.1	7913994.56	563139.34	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1918	1	22	7.2	15	3.06	0.02	0.237	8	7914064.59	563127.65	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1516	1	12	7.8	4	1.54	0.07	0.242	8	7914065.14	563107.53	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	2805	1	15	8.1	7	1.85	0.02	0.246	8.2	7913993.91	563135.79	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1920	1	6	8.1	-2	0.74	0.09	0.257	7.7	7914073.16	563131.09	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	2116	1	19	12.2	7	1.56	0.02	0.358	8.1	7914052.25	563131.65	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1916	1	10	12.2	-2	0.82	0.06	0.367	7.7	7914056.66	563123.4	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1720	1	3	12.2	-9	0.25	0.07	0.379	7.8	7914076.77	563123.95	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1028	1	3	13.8	-11	0.22	0.03	0.382	7.9	7914082.79	563126.8	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1030	1	9	11.9	-3	0.76	0.02	0.388	8.1	7914078.85	563134.89	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	2015	1	9	12.8	-4	0.7	0.02	0.412	8	7914050.32	563125.63	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1520	1	14	15.9	-2	0.88	0.06	0.471	7.6	7914081.01	563116.01	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1817	1	14	38.8	-25	0.36	0.08	1.005	7.7	7914062.57	563121.62	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1819	1	11	43.8	-33	0.25	0.08	1.08	7.5	7914070.68	563125.8	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_054	2008	1	12	8.1	4	1.48	0.04	0.239	8.6	7913875.4	562974.04	588.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_022	1016	1	16	7.2	9	2.23	0.01	0.264	8.3	7914162.62	563172.12	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_023	2008	1	10	6.6	3	1.52	0.75	0.203	6.6	7914359.52	563172.89	589.96	11.46	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1612	1	9	7.8	1	1.15	0.1	0.212	9.9	7914797.41	563329.03	649.64	11.14	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_099	2102	1	11	6.9	4	1.6	0.05	0.22	9.6	7914788.35	563265.19	649.71	11.21	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_021	307	1	7	7.2	0	0.97	0.02	0.226	8	7914439.68	563186.03	591.15	12.65	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_027	1713	1	14	6.9	7	2.04	0.06	0.237	7.2	7914316.12	563146.94	588.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_097	3205	1	15	7.5	8	2	0.05	0.24	10	7914879.26	563320.93	650.17	11.67	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1305	1	8	8.8	-1	0.91	0.09	0.24	7.5	7914781.02	563297.22	649.56	11.06	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1129	1	9	8.1	1	1.11	0.01	0.248	7.1	7914873.81	563361.53	649.65	11.15	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1925	1	10	7.5	3	1.33	0.01	0.251	8.1	7914835.8	563378.82	651.2	12.7	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1915	1	12	8.1	4	1.48	0.01	0.252	7.5	7914799.76	563349.67	650.49	11.99	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2022	1	9	10.3	-1	0.87	0.01	0.29	7.2	7914822.45	563373.3	650.83	12.33	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_040	1001	1	7	8.8	-2	0.8	0.01	0.293	6.9	7914069.93	563129.36	584.57	6.07	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1206	1	8	9.4	-1	0.85	0.07	0.329	8.7	7914788.11	563296.39	650	11.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2008	1	8	10.6	-3	0.75	0.62	0.338	7.6	7914771.16	563331.24	650.79	12.29	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1804	1	10	11.6	-2	0.86	0.01	0.372	7.1	7914762.72	563312.64	650.87	12.37	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1707	1	11	12.2	-1	0.9	0.05	0.383	7.4	7914776.22	563318.21	650.85	12.35	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1428	1	10	15.9	-6	0.63	0.01	0.426	8.4	7914861.47	563369.37	649.98	11.48	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1921	1	11	15.6	-5	0.7	0.01	0.428	7.5	7914821.44	563366.76	650.8	12.3	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1828	1	11	13.1	-2	0.84	0.01	0.434	8.2	7914849.88	563383.75	651.13	12.63	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1525	1	8	18.8	-11	0.43	0.01	0.499	8.3	7914847.36	563364.18	649.73	11.23	ALTERED CHLORITE SCHIST	PAG

Notes:

¹ Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.2: Deposit No.1 Waste Rock - PAG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%) ¹	S (%) ¹	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	640	N2_640_101	1703	1	9	18.4	-9	0.49	0.01	0.539	7.1	7914761.54	563306.2	649.89	11.39	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2012	1	11	18.4	-7	0.6	0.01	0.541	7.9	7914787.12	563342.7	651.05	12.55	ALTERED CHLORITE SCHIST	PAG
2020	Pit	590	N1_590_075	1521	1	6	19.7	-14	0.3	0.08	0.579	7.6	7914032.14	563035.83	599.96	11.46	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1911	1	13	22.8	-10	0.57	0.01	0.637	8	7914784.65	563336.99	650.91	12.41	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1923	1	10	22.2	-12	0.45	0.01	0.695	8	7914828.67	563372.55	650.87	12.37	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2018	1	7	28.8	-22	0.24	0.01	0.761	6.5	7914807.56	563361.08	650.83	12.33	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1826	1	11	25.6	-15	0.43	0.01	0.775	8	7914842.13	563378.24	651.22	12.72	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1729	1	9	27.5	-19	0.33	0.01	0.795	7.7	7914855.8	563383.61	651.39	12.89	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2016	1	6	34.1	-28	0.18	0.01	1.085	6.6	7914800.29	563354.85	651.12	12.62	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	2020	1	10	46.9	-37	0.21	0.01	1.125	6.8	7914815.53	563367.26	650.86	12.36	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1913	1	9	39.4	-30	0.23	0.01	1.135	7.5	7914792.01	563342.96	651.24	12.74	ALTERED CHLORITE SCHIST	PAG
2020	Pit	590	N1_590_075	308	1	4	58.1	-54	0.07	0.01	1.535	6.5	7914056.53	562939.16	601.08	12.58	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1705	1	9	56.3	-47	0.16	0.01	1.565	6.9	7914768.74	563312.13	649.95	11.45	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1812	1	13	88.1	-75	0.15	0.01	2.31	7.6	7914790.81	563336.72	651.31	12.81	ALTERED CHLORITE SCHIST	PAG
2020	Pit	660	N2_660_105	1117	1	0	44.7	-45	0	0.05	1.195	4.5	7914692.74	563197.86	668.5	10	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_013	2405	1	9	6.6	2	1.37	0.5	0.237	5.8	7914258.39	563120.2	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_029	1032	1	6	18.1	-12	0.33	0.01	0.539	5.8	7913983.26	563139.96	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1701	1	1	40.9	-40	0.02	0.01	1.12	4.7	7914754.54	563300.19	650.19	11.69	ALTERED CHLORITE SCHIST	PAG
2020	Pit	580	N1_580_051	2739	1	16	6.3	10	2.56	0.06	0.138	7.8	7914028.5	563108.63	591.35	12.85	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2232	1	16	6.6	9	2.44	0.01	0.146	8	7914109.29	563123	580.89	12.39	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	2034	1	14	6.3	8	2.24	0.01	0.162	8.4	7914105.35	563110.62	579.83	11.33	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_015	1305	1	16	6.6	9	2.44	0.05	0.181	8.6	7914242	563147.88	581.17	12.67	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_021	2115	1	24	6.9	17	3.49	0.06	0.193	8.6	7914315.92	563181.82	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	570	N1_570_019	1026	1	9	6.3	3	1.44	0.07	0.197	7.9	7914087.18	563118.98	579	10.5	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1402	1	8	6.3	2	1.28	0.1	0.192	7.1	7914766.88	563291.92	649.91	11.41	ALTERED CHLORITE SCHIST	PAG
2020	Pit	640	N2_640_101	1901	1	9	6.3	3	1.44	0.44	0.199	7	7914748.93	563306.22	650.93	12.43	ALTERED CHLORITE SCHIST	PAG

Notes:

¹ Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	560	N1_560_001	2014	-	-	-	-	-	0.12	0.039	8.3	7914215	563091	571.57	13.07	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2109	-	-	-	-	-	0.1	0.034	6.2	7914235	563103	571.54	13.04	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2113	-	-	-	-	-	0.22	0.013	8.6	7914218	563097	571.21	12.71	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2115	-	-	-	-	-	0.07	0.043	8.3	7914209	563094	571.53	13.03	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2117	-	-	-	-	-	0.09	0.142	8.3	7914200	563092	571.66	13.16	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2119	-	-	-	-	-	0.04	0.114	7.8	7914192	563089	571.36	12.86	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2210	-	-	-	-	-	0.39	0.02	7.6	7914229	563106	571.54	13.04	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1505	-	-	-	-	-	0.14	0.042	8.1	7914220	563103	571.18	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2214	-	-	-	-	-	0.04	0.014	8.3	7914212	563101	571.29	12.79	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2216	-	-	-	-	-	0.14	0.046	8.1	7914203	563098	571.38	12.88	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2218	-	-	-	-	-	0.04	0.05	8.3	7914195	563095	571.17	12.67	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2220	-	-	-	-	-	0.22	0.178	6.8	7914186	563092	571.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2305	-	-	-	-	-	0.09	0.02	8.1	7914249	563117	571.6	13.1	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1513	-	-	-	-	-	0.07	0.041	8.1	7914223	563109	571.55	13.05	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1509	-	-	-	-	-	0.15	0.02	8.6	7914214	563106	571.38	12.88	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2315	-	-	-	-	-	0.13	0.018	8.7	7914206	563104	571.35	12.85	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2317	-	-	-	-	-	0.06	0.02	8.5	7914198	563101	571.14	12.64	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2319	-	-	-	-	-	0.09	0.024	8.4	7914189	563099	570.91	12.41	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2325	-	-	-	-	-	0.03	0.01	7.1	7914163	563090	570.99	12.49	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2404	-	-	-	-	-	0.15	0.136	7.3	7914252	563123	571.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2406	-	-	-	-	-	0.48	0.023	8	7914243	563120	571.66	13.16	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2408	-	-	-	-	-	0.2	0.022	7.7	7914234	563118	571.5	13	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2410	-	-	-	-	-	0.1	0.07	7.4	7914226	563115	571.43	12.93	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1501	-	-	-	-	-	0.06	0.022	8.4	7914218	563112	571.5	13	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2414	-	-	-	-	-	0.04	0.012	8.6	7914209	563109	571.43	12.93	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2416	-	-	-	-	-	0.06	0.058	8.6	7914201	563106	571.1	12.6	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2418	-	-	-	-	-	0.1	0.072	8.5	7914192	563104	570.58	12.08	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2420	-	-	-	-	-	0.05	0.028	8.4	7914183	563101	570.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2422	-	-	-	-	-	0.66	0.055	6.1	7914175	563098	570.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2505	-	-	-	-	-	0.08	0.165	7.8	7914246	563126	571.39	12.89	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2507	-	-	-	-	-	0.11	0.034	8.4	7914238	563123	571.57	13.07	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2509	-	-	-	-	-	0.09	0.063	8.5	7914229	563120	571.39	12.89	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1507	-	-	-	-	-	0.07	0.054	8.6	7914220	563118	571.52	13.02	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1511	-	-	-	-	-	0.06	0.079	8.5	7914212	563115	571.47	12.97	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2515	-	-	-	-	-	0.06	0.122	8.6	7914203	563112	571.27	12.77	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2517	-	-	-	-	-	0.11	0.047	8.5	7914195	563109	570.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2519	-	-	-	-	-	0.08	0.062	8.6	7914186	563107	570.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2521	-	-	-	-	-	0.08	0.056	8.3	7914178	563104	570.06	11.56	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2527	-	-	-	-	-	0.05	0.004	7.4	7914152	563096	570.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2604	-	-	-	-	-	0.07	0.046	8.2	7914249	563131	571.23	12.73	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2606	-	-	-	-	-	0.08	0.038	7.9	7914240	563129	571.49	12.99	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2608	-	-	-	-	-	0.04	0.006	8.5	7914232	563126	571.54	13.04	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2610	-	-	-	-	-	0.09	0.152	8.7	7914223	563123	571.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	1503	-	-	-	-	-	0.08	0.123	8.6	7914215	563121	571.39	12.89	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2614	-	-	-	-	-	0.06	0.011	8.6	7914206	563118	571.34	12.84	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2616	-	-	-	-	-	0.08	0.097	8.5	7914198	563115	570.92	12.42	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2618	-	-	-	-	-	0.07	0.053	8.5	7914189	563112	570.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2620	-	-	-	-	-	0.08	0.104	8.5	7914180	563109	570.11	11.61	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2622	-	-	-	-	-	0.09	0.097	8.3	7914172	563107	570.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2626	-	-	-	-	-	0.07	0.011	8.4	7914155	563101	570.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_001	2628	-	-	-	-	-	0.04	0.003	8	7914146	563098	570.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_003	3106	-	-	-	-	-	0.08	0.007	6.9	7914061	563040	570	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_003	3504	-	-	-	-	-	0.29	0.011	7.4	7914041	563042	570	11.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	560	N1_560_003	3603	-	-	-	-	-	0.34	0.013	7	7914035	563045	570	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_003	3900	-	-	-	-	-	0.07	0.018	7.5	7914017	563052	570	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_003	3900	-	-	-	-	-	0.07	0.018	7.5	7914017	563052	570	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1002	-	-	-	-	-	-	0.012	7.5	7914274	563197	570.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1004	-	-	-	-	-	-	0.083	8	7914283	563198	570.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1006	-	-	-	-	-	-	0.049	8.1	7914292	563199	570.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1105	-	-	-	-	-	-	0.058	8.5	7914287	563203	570.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1109	-	-	-	-	-	-	0.018	8	7914305	563205	570.85	12.35	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1111	-	-	-	-	-	-	0.044	8	7914314	563207	570.79	12.29	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1200	-	-	-	-	-	-	0.007	7.7	7914264	563205	570.2	11.7	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1206	-	-	-	-	-	-	0.007	8.5	7914291	563208	570.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1301	-	-	-	-	-	-	0.029	8.1	7914268	563210	569.9	11.4	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1303	-	-	-	-	-	-	0.003	8.1	7914277	563211	570.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1305 D	-	-	-	-	-	-	0.003	8.6	7914286	563212	570.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1402	-	-	-	-	-	-	0.007	7.4	7914272	563215	569.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1404 D	-	-	-	-	-	-	0.003	8	7914281	563216	570.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1406	-	-	-	-	-	-	0.003	9.4	7914290	563216	570.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1507	-	-	-	-	-	-	0.013	7.6	7914294	563222	570.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1509	-	-	-	-	-	-	0.004	8.7	7914303	563223	570.84	12.34	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1511	-	-	-	-	-	-	0.003	8.4	7914311	563224	570.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1600	-	-	-	-	-	-	0.005	8.2	7914262	563223	569.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1608	-	-	-	-	-	-	0.007	8	7914297	563227	570.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1610	-	-	-	-	-	-	0.004	9	7914306	563228	570.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1701	-	-	-	-	-	-	0.009	8.6	7914265	563228	570.69	12.19	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1705	-	-	-	-	-	-	0.003	8.5	7914283	563230	570.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1711	-	-	-	-	-	-	0.01	8.5	7914310	563233	570.96	12.46	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1800	-	-	-	-	-	-	0.008	8.5	7914261	563230	570.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1804	-	-	-	-	-	-	0.009	8.6	7914278	563234	570.81	12.31	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1901	-	-	-	-	-	-	0.017	8.7	7914264	563237	570.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1905	-	-	-	-	-	-	0.012	8.7	7914282	563240	570.8	12.3	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	1909	-	-	-	-	-	-	0.009	8.5	7914300	563241	570.89	12.39	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	2000	-	-	-	-	-	-	0.012	8.5	7914260	563236	569.86	11.36	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	2004	-	-	-	-	-	-	0.011	8.6	7914277	563240	570.67	12.17	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	2010 D	-	-	-	-	-	-	0.011	8.5	7914303	563247	571.47	12.97	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	2106	-	-	-	-	-	-	0.006	8.7	7914286	563243	570.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_005	2108	-	-	-	-	-	-	0.013	8.6	7914295	563247	570.92	12.42	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1319	-	-	-	-	-	0.12	0.003	8.2	7914081	563096	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1321	-	-	-	-	-	0.12	0.003	8.4	7914088	563099	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1418	-	-	-	-	-	-	0.003	8.4	7914076	563098	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1420	-	-	-	-	-	-	0.003	8.6	7914083	563101	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1517	-	-	-	-	-	-	0.012	8.5	7914070	563101	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1519	-	-	-	-	-	-	0.003	8.3	7914078	563103	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1521	-	-	-	-	-	-	0.003	8.6	7914085	563107	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1616	-	-	-	-	-	-	0.02	8.7	7914065	563103	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1618	-	-	-	-	-	-	0.019	8.5	7914073	563106	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1620	-	-	-	-	-	-	0.003	8.8	7914080	563109	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1713	-	-	-	-	-	-	0.018	7.1	7914052	563102	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1715	-	-	-	-	-	-	0.087	9	7914060	563105	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1717	-	-	-	-	-	-	0.044	8.7	7914067	563108	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1719	-	-	-	-	-	-	0.042	8.5	7914075	563111	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1721	-	-	-	-	-	-	0.028	8.7	7914082	563114	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1812	-	-	-	-	-	-	0.042	8.8	7914047	563104	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1814	-	-	-	-	-	-	0.032	8.5	7914055	563108	568.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	560	N1_560_007	1816	-	-	-	-	-	-	0.067	8.7	7914062	563110	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1818	-	-	-	-	-	-	0.092	8.6	7914070	563113	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1820	-	-	-	-	-	-	0.087	8.6	7914077	563116	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1911	-	-	-	-	-	-	0.01	8.8	7914042	563106	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1913	-	-	-	-	-	-	0.02	8.6	7914050	563110	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1915	-	-	-	-	-	-	0.018	8.5	7914057	563112	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	1917	-	-	-	-	-	-	0.009	8.4	7914064	563115	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2008	-	-	-	-	-	-	0.022	8.1	7914030	563106	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2010	-	-	-	-	-	-	0.016	8.3	7914037	563109	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2012	-	-	-	-	-	-	0.027	8.4	7914044	563112	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2014	-	-	-	-	-	-	0.013	8.3	7914052	563115	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2016	-	-	-	-	-	-	0.046	8	7914059	563118	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2018	-	-	-	-	-	-	0.108	8.1	7914067	563121	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2107	-	-	-	-	-	-	0.018	8.7	7914024	563108	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2109	-	-	-	-	-	-	0.085	8.2	7914032	563111	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2111	-	-	-	-	-	-	0.158	8.4	7914039	563114	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2113	-	-	-	-	-	-	0.013	8.3	7914046	563117	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2206	-	-	-	-	-	-	0.032	8.2	7914019	563110	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2208	-	-	-	-	-	-	0.014	8.4	7914026	563113	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2210	-	-	-	-	-	-	0.11	8.3	7914034	563116	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2212	-	-	-	-	-	-	0.009	8.1	7914041	563119	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2218	-	-	-	-	-	-	0.087	8.3	7914063	563128	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2220	-	-	-	-	-	-	0.19	8.2	7914071	563131	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2305	-	-	-	-	-	-	0.049	8.2	7914014	563112	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2307	-	-	-	-	-	-	0.019	8.4	7914021	563115	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2309	-	-	-	-	-	-	0.021	8.4	7914029	563119	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2311	-	-	-	-	-	-	0.039	7.8	7914036	563121	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2313	-	-	-	-	-	-	0.113	8.1	7914043	563124	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2315	-	-	-	-	-	-	0.053	8.2	7914051	563127	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2317	-	-	-	-	-	-	0.061	8.2	7914058	563130	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2404	-	-	-	-	-	-	0.018	8.5	7914009	563114	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2406	-	-	-	-	-	-	0.01	8.8	7914016	563117	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2408	-	-	-	-	-	-	0.011	8.5	7914024	563120	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2410	-	-	-	-	-	-	0.013	8.1	7914031	563123	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2412	-	-	-	-	-	-	0.17	8.2	7914038	563126	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2414	-	-	-	-	-	-	0.074	8	7914046	563129	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2416	-	-	-	-	-	-	0.196	8.6	7914053	563132	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2503	-	-	-	-	-	-	0.02	8.5	7914003	563116	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2505	-	-	-	-	-	-	0.039	8.2	7914011	563120	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2507	-	-	-	-	-	-	0.031	8	7914018	563123	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2509	-	-	-	-	-	-	0.016	7.9	7914026	563126	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2511	-	-	-	-	-	-	0.031	8.3	7914033	563129	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2513	-	-	-	-	-	-	0.101	7.9	7914040	563132	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2517	-	-	-	-	-	-	0.186	8.4	7914055	563138	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2602	-	-	-	-	-	-	0.061	8.2	7913998	563119	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2604	-	-	-	-	-	-	0.053	8.1	7914006	563122	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2606	-	-	-	-	-	-	0.02	8.4	7914013	563125	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2608	-	-	-	-	-	-	0.087	8	7914020	563128	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2610	-	-	-	-	-	-	0.19	8.1	7914028	563131	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2612	-	-	-	-	-	-	0.132	8	7914035	563134	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2614	-	-	-	-	-	-	0.079	8.2	7914043	563137	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2701	-	-	-	-	-	-	0.114	8.2	7913993	563121	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2703	-	-	-	-	-	-	0.073	8.3	7914000	563123	568.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	560	N1_560_007	2705	-	-	-	-	-	-	0.03	8	7914008	563127	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2707	-	-	-	-	-	-	0.036	8.1	7914015	563130	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2709	-	-	-	-	-	-	0.036	8.5	7914023	563133	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2711	-	-	-	-	-	-	0.117	8.7	7914030	563136	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2713	-	-	-	-	-	-	0.007	8.5	7914037	563139	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2800	-	-	-	-	-	-	0.142	8.3	7913988	563123	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2802	-	-	-	-	-	-	0.052	8.4	7913995	563126	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2804	-	-	-	-	-	-	0.029	8.7	7914003	563129	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2806	-	-	-	-	-	-	0.016	8.1	7914010	563132	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2810	-	-	-	-	-	-	0.018	8.6	7914025	563138	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2901	-	-	-	-	-	-	0.095	8.1	7913990	563128	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2903	-	-	-	-	-	-	0.063	8.1	7913997	563131	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2905	-	-	-	-	-	-	0.044	8.3	7914005	563134	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2907	-	-	-	-	-	-	0.048	8.2	7914012	563137	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	2909	-	-	-	-	-	-	0.064	8.5	7914019	563140	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3000	-	-	-	-	-	-	0.069	8.3	7913985	563130	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3002	-	-	-	-	-	-	0.19	8	7913992	563133	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3004	-	-	-	-	-	-	0.082	7.9	7913999	563137	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3006	-	-	-	-	-	-	0.034	8.2	7914007	563140	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3008	-	-	-	-	-	-	0.068	8.2	7914015	563143	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3101	-	-	-	-	-	-	0.038	8	7913987	563136	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3105	-	-	-	-	-	-	0.146	7.6	7914002	563142	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	560	N1_560_007	3107	-	-	-	-	-	-	0.057	8.5	7914009	563145	568.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_009	214	-	-	-	-	-	0.05	0.006	8	7914378	563112	585.27	16.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_011	1301	-	-	-	-	-	0.04	0.004	7.3	7914297	563079	581	12.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2025	-	-	-	-	-	0.01	0.007	7	7914188	563061	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2114	-	-	-	-	-	0.03	0.024	6.5	7914229	563089	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2217	-	-	-	-	-	0.08	0.045	7.4	7914215	563086	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2304	-	-	-	-	-	0.07	0.026	7.4	7914265	563118	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2314	-	-	-	-	-	0.04	0.032	6.5	7914225	563097	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2316	-	-	-	-	-	0.09	0.154	7.5	7914217	563093	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2409	-	-	-	-	-	0.12	0.05	7.2	7914243	563112	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2417	-	-	-	-	-	0.1	0.099	7.8	7914211	563094	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2419	-	-	-	-	-	0.07	0.062	7.6	7914203	563090	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2423	-	-	-	-	-	0.08	0.024	6.7	7914187	563081	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2500	-	-	-	-	-	0.01	0.11	7.6	7914276	563134	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2502	-	-	-	-	-	0.02	0.132	7.2	7914268	563130	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2504	-	-	-	-	-	0.03	0.16	8.1	7914260	563126	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2506	-	-	-	-	-	0.18	0.097	7.3	7914252	563122	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2512	-	-	-	-	-	0.26	0.026	7.7	7914229	563109	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2514	-	-	-	-	-	0.07	0.024	7.9	7914221	563105	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2516	-	-	-	-	-	0.09	0.068	7.3	7914213	563100	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2518	-	-	-	-	-	0.07	0.03	8.1	7914205	563096	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2520	-	-	-	-	-	0.08	0.056	7.7	7914197	563092	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2601	-	-	-	-	-	0.1	0.12	7.5	7914270	563137	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2603	-	-	-	-	-	0.02	0.058	7.8	7914262	563132	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2605	-	-	-	-	-	0.06	0.089	7.5	7914254	563128	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2607	-	-	-	-	-	0.09	0.061	7.9	7914246	563124	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2609	-	-	-	-	-	0.85	0.054	6.9	7914238	563119	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2611	-	-	-	-	-	0.15	0.062	6.8	7914230	563115	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2613	-	-	-	-	-	0.09	0.016	7.9	7914222	563111	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2615	-	-	-	-	-	0.13	0.024	7.9	7914215	563107	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2619	-	-	-	-	-	0.11	0.14	7.9	7914199	563098	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_013	2621	-	-	-	-	-	0.13	0.044	7.9	7914191	563094	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2702	-	-	-	-	-	0.04	0.102	6.7	7914264	563139	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2704	-	-	-	-	-	0.07	0.06	7.7	7914256	563134	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2706	-	-	-	-	-	0.04	0.066	7.9	7914248	563130	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_013	2708	-	-	-	-	-	0.02	0.006	8.3	7914240	563126	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1000	-	-	-	-	-	0.01	0.046	8.2	7914268	563149	581.38	12.88	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1002	-	-	-	-	-	0.01	0.14	8.6	7914260	563144	581.49	12.99	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1008	-	-	-	-	-	0.08	0.008	8.4	7914235	563131	581.65	13.15	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1010	-	-	-	-	-	0.06	0.02	8.5	7914227	563126	581.69	13.19	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1012	-	-	-	-	-	0.03	0.023	8.4	7914220	563123	581.83	13.33	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1014	-	-	-	-	-	0.01	0.01	8.5	7914209	563117	581.25	12.75	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1016	-	-	-	-	-	0.05	0.02	8.4	7914201	563112	581.08	12.58	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1018	-	-	-	-	-	0.07	0.022	8.4	7914193	563108	582.17	13.67	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1020	-	-	-	-	-	0.08	0.047	8.2	7914185	563104	580.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1022	-	-	-	-	-	0.11	0.103	6.6	7914177	563099	580.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1101	-	-	-	-	-	0.01	0.044	8.5	7914263	563149	581.32	12.82	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1103	-	-	-	-	-	0.01	0.084	8.3	7914254	563144	581.54	13.04	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1109	-	-	-	-	-	0.1	0.015	8.4	7914230	563131	581.66	13.16	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1111	-	-	-	-	-	0.09	0.005	8.3	7914221	563126	581.46	12.96	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1113	-	-	-	-	-	0.03	0.091	8.5	7914213	563121	581.67	13.17	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1115	-	-	-	-	-	0.05	0.024	8.2	7914205	563117	581.18	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1117	-	-	-	-	-	0.04	0.023	8.4	7914196	563112	580.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1119	-	-	-	-	-	0.06	0.061	8.4	7914188	563108	580.54	12.04	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1121	-	-	-	-	-	0.06	0.068	8.2	7914180	563104	580.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1123	-	-	-	-	-	0.21	0.011	7.7	7914171	563100	580.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1200	-	-	-	-	-	0.01	0.043	8.3	7914265	563155	581.27	12.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1202	-	-	-	-	-	0.01	0.02	8.3	7914257	563151	581.48	12.98	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1204	-	-	-	-	-	0.05	0.014	8.5	7914249	563146	581.22	12.72	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1208	-	-	-	-	-	0.1	0.012	8.3	7914232	563137	581.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1210	-	-	-	-	-	0.06	0.015	8.2	7914224	563132	581.38	12.88	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1212	-	-	-	-	-	0.04	0.026	8.3	7914215	563128	581.5	13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1214	-	-	-	-	-	0.02	0.034	8.3	7914206	563123	581.19	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1216	-	-	-	-	-	0.06	0.03	8.2	7914199	563118	580.94	12.44	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1218	-	-	-	-	-	0.09	0.063	7.9	7914190	563114	580.84	12.34	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1220	-	-	-	-	-	0.08	0.068	8.4	7914182	563109	580.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1222	-	-	-	-	-	0.04	0.05	8.5	7914174	563105	580.36	11.86	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1301	-	-	-	-	-	0.03	0.026	8.4	7914259	563157	581.34	12.84	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1303	-	-	-	-	-	0.01	0.012	8.4	7914250	563153	581.43	12.93	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1307	-	-	-	-	-	0.08	0.036	8.7	7914234	563143	581.13	12.63	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1309	-	-	-	-	-	0.1	0.018	8.2	7914226	563139	581.11	12.61	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1311	-	-	-	-	-	0.1	0.004	8.2	7914217	563134	581.17	12.67	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1313	-	-	-	-	-	0.07	0.033	8.3	7914209	563130	581.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1313	-	-	-	-	-	0.07	0.033	8.3	7914209	563130	581.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1315	-	-	-	-	-	0.08	0.164	8.3	7914201	563125	580.95	12.45	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1317	-	-	-	-	-	0.03	0.158	8.1	7914192	563120	580.97	12.47	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1319	-	-	-	-	-	0.1	0.016	8.2	7914183	563115	580.69	12.19	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1321	-	-	-	-	-	0.06	0.042	8	7914176	563111	580.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1323	-	-	-	-	-	0.03	0.004	8	7914167	563107	580.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1325	-	-	-	-	-	0.14	0.004	7.9	7914159	563102	580.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1402	-	-	-	-	-	0.04	0.062	8.5	7914252	563159	581.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1404	-	-	-	-	-	0.07	0.003	8.6	7914244	563154	580.92	12.42	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1406	-	-	-	-	-	0.08	0.074	8.5	7914236	563150	581.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1408	-	-	-	-	-	0.05	0.014	8.3	7914227	563145	581.3	12.8	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_015	1410	-	-	-	-	-	0.06	0.156	8.3	7914219	563141	581.3	12.8	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1412	-	-	-	-	-	0.07	0.044	8.2	7914211	563136	581.23	12.73	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1414	-	-	-	-	-	0.07	0.069	8.4	7914202	563132	581.15	12.65	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1418	-	-	-	-	-	0.09	0.095	8.3	7914186	563122	580.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1420	-	-	-	-	-	0.07	0.038	8.1	7914178	563118	580.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1422	-	-	-	-	-	0.1	0.054	8.3	7914169	563113	580.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1424	-	-	-	-	-	0.07	0.039	8.2	7914161	563109	580.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1426	-	-	-	-	-	0.08	0.005	8.3	7914153	563104	580.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1501	-	-	-	-	-	0.03	0.08	8.5	7914254	563165	580.95	12.45	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1503	-	-	-	-	-	0.02	0.112	8.6	7914246	563161	581.01	12.51	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1505	-	-	-	-	-	0.04	0.026	8.4	7914238	563156	581.25	12.75	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1507	-	-	-	-	-	0.03	0.026	8.3	7914229	563152	581.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1509	-	-	-	-	-	0.02	0.027	8.5	7914221	563147	581.23	12.73	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1511	-	-	-	-	-	0.03	0.058	8.3	7914213	563143	581.24	12.74	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1513	-	-	-	-	-	0.02	0.01	8.2	7914205	563138	581.05	12.55	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1515	-	-	-	-	-	0.02	0.13	8.2	7914196	563133	580.94	12.44	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1517	-	-	-	-	-	0.01	0.083	8.1	7914188	563129	580.91	12.41	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1519	-	-	-	-	-	0.03	0.103	8.1	7914179	563124	580.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1521	-	-	-	-	-	0.04	0.038	8.2	7914171	563120	580.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1523	-	-	-	-	-	0.03	0.003	8.2	7914163	563115	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1525	-	-	-	-	-	0.01	0.055	8.3	7914155	563111	580.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1527	-	-	-	-	-	0.02	0.06	8.3	7914146	563106	580.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1529	-	-	-	-	-	0.01	0.004	8.1	7914137	563101	580.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1531	-	-	-	-	-	0.01	0.003	7.5	7914130	563097	580.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1602	-	-	-	-	-	0.14	0.08	7.3	7914247	563168	581.29	12.79	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1604	-	-	-	-	-	0.08	0.114	8.5	7914239	563163	580.9	12.4	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1606	-	-	-	-	-	0.09	0.132	8.5	7914231	563158	581.05	12.55	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1608	-	-	-	-	-	0.13	0.097	8.5	7914223	563154	581.13	12.63	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1610	-	-	-	-	-	0.05	0.01	8.4	7914214	563149	581	12.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1612	-	-	-	-	-	0.06	0.179	8.4	7914206	563144	581.16	12.66	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1614	-	-	-	-	-	0.06	0.047	8.4	7914198	563140	580.87	12.37	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1616	-	-	-	-	-	0.1	0.032	8.4	7914189	563135	580.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1618	-	-	-	-	-	0.07	0.117	8.1	7914181	563131	580.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1620	-	-	-	-	-	0.06	0.072	8.4	7914173	563126	580.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1622	-	-	-	-	-	0.06	0.09	8.3	7914165	563121	580.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1624	-	-	-	-	-	0.07	0.156	8.3	7914156	563117	580	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1626	-	-	-	-	-	0.05	0.042	8.6	7914148	563112	579.98	11.48	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1628	-	-	-	-	-	0.02	0.132	7.6	7914140	563107	580.11	11.61	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1630	-	-	-	-	-	0.04	0.003	8.2	7914131	563103	580.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1632	-	-	-	-	-	0.01	0.003	8.3	7914123	563099	580.13	11.63	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1701	-	-	-	-	-	0.01	0.032	8.1	7914249	563174	581.01	12.51	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1703	-	-	-	-	-	0.01	0.005	7.1	7914241	563169	581.37	12.87	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1705	-	-	-	-	-	0.06	0.023	8.6	7914233	563165	581.23	12.73	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1707	-	-	-	-	-	0.09	0.024	8.7	7914225	563160	581.04	12.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1709	-	-	-	-	-	0.05	0.02	8.3	7914216	563155	580.97	12.47	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1711	-	-	-	-	-	0.14	0.136	8.3	7914208	563151	581.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1715	-	-	-	-	-	0.13	0.051	8.2	7914191	563142	580.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1717	-	-	-	-	-	0.01	0.058	8.4	7914183	563137	580.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1719	-	-	-	-	-	0.03	0.088	8.2	7914175	563132	580.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1721	-	-	-	-	-	0.04	0.02	7.6	7914167	563128	580.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1723	-	-	-	-	-	0.12	0.009	8.3	7914158	563123	579.97	11.47	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1727	-	-	-	-	-	0.05	0.131	8.2	7914141	563114	579.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1729	-	-	-	-	-	0.01	0.125	7.2	7914133	563110	580.29	11.79	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_015	1731	-	-	-	-	-	0.14	0.02	8.3	7914125	563105	580.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1733	-	-	-	-	-	0.07	0.003	8.4	7914116	563100	580.02	11.52	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1802	-	-	-	-	-	0.01	0.003	8.7	7914243	563176	581.27	12.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1808	-	-	-	-	-	0.08	0.03	8.4	7914218	563162	580.71	12.21	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1810	-	-	-	-	-	0.06	0.008	8.4	7914210	563157	580.8	12.3	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1812	-	-	-	-	-	0.07	0.086	8.2	7914201	563152	580.98	12.48	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1814	-	-	-	-	-	0.03	0.047	8.4	7914193	563148	581.03	12.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1818	-	-	-	-	-	0.03	0.033	8.4	7914177	563139	580.73	12.23	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1820	-	-	-	-	-	0.08	0.024	8.1	7914169	563134	580.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1822	-	-	-	-	-	0.02	0.008	8.2	7914160	563130	580.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1824	-	-	-	-	-	0.04	0.008	7.9	7914151	563125	580.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1826	-	-	-	-	-	0.06	0.174	8.3	7914143	563120	579.94	11.44	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1828	-	-	-	-	-	0.03	0.042	8.4	7914134	563116	580.11	11.61	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1832	-	-	-	-	-	0.01	0.003	8.2	7914118	563107	580.13	11.63	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1834	-	-	-	-	-	0.03	0.003	8.5	7914110	563102	579.98	11.48	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1907	-	-	-	-	-	0.01	0.011	7.8	7914220	563169	580.88	12.38	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1909	-	-	-	-	-	0.04	0.019	8.4	7914212	563164	580.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1911	-	-	-	-	-	0.06	0.021	8.4	7914204	563158	580.67	12.17	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1913	-	-	-	-	-	0.06	0.038	8.3	7914195	563155	580.68	12.18	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1915	-	-	-	-	-	0.01	0.182	8.6	7914187	563150	580.61	12.11	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1917	-	-	-	-	-	0.01	0.106	8.3	7914178	563145	580.54	12.04	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1919	-	-	-	-	-	0.16	0.059	8.2	7914170	563141	580.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1921	-	-	-	-	-	0.01	0.005	8.1	7914162	563136	580.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1923	-	-	-	-	-	0.62	0.003	8.2	7914154	563132	580.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1925	-	-	-	-	-	0.04	0.073	8.2	7914145	563127	580.02	11.52	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1927	-	-	-	-	-	0.06	0.03	8.1	7914137	563122	579.94	11.44	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1929	-	-	-	-	-	0.04	0.068	8.3	7914128	563118	580	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1931	-	-	-	-	-	0.03	0.006	8.4	7914120	563113	579.55	11.05	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	1933	-	-	-	-	-	0.01	0.003	8.3	7914112	563109	579.98	11.48	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2010	-	-	-	-	-	0.04	0.006	7.7	7914205	563166	580.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2012	-	-	-	-	-	0.09	0.035	8.1	7914197	563161	580.42	11.92	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2014	-	-	-	-	-	0.03	0.12	8.3	7914188	563156	580.51	12.01	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2016	-	-	-	-	-	0.07	0.035	8.4	7914180	563153	580.42	11.92	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2020	-	-	-	-	-	0.01	0.017	8.5	7914163	563143	580.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2022	-	-	-	-	-	0.06	0.022	8.4	7914155	563138	580.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2024	-	-	-	-	-	0.08	0.038	7.9	7914147	563133	580.2	11.7	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2026	-	-	-	-	-	0.02	0.103	8.4	7914139	563129	580.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2028	-	-	-	-	-	0.01	0.004	8.1	7914130	563124	579.89	11.39	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2030	-	-	-	-	-	0.01	0.066	8.2	7914122	563120	580.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2032	-	-	-	-	-	0.01	0.033	8.5	7914114	563115	579.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2113	-	-	-	-	-	0.05	0.046	8.1	7914191	563162	580.72	12.22	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2115	-	-	-	-	-	0.04	0.042	8.2	7914183	563158	580.75	12.25	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2117	-	-	-	-	-	0.07	0.12	8.3	7914174	563153	580.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2119	-	-	-	-	-	0.14	0.038	8.5	7914166	563148	580.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2121	-	-	-	-	-	0.1	0.008	8.4	7914157	563145	580.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2123	-	-	-	-	-	0.08	0.003	8.5	7914149	563140	580.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2125	-	-	-	-	-	0.04	0.018	7.8	7914141	563135	580.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2127	-	-	-	-	-	0.01	0.01	8.1	7914132	563130	580.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2129	-	-	-	-	-	0.01	0.04	8.2	7914124	563126	580.42	11.92	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2135	-	-	-	-	-	0.01	0.104	8.4	7914099	563113	579.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2218	-	-	-	-	-	0.01	0.035	8.3	7914167	563156	580.6	12.1	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2220	-	-	-	-	-	0.01	0.006	8.5	7914159	563151	580.56	12.06	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2222	-	-	-	-	-	0.06	0.03	8.3	7914151	563146	580.2	11.7	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_015	2224	-	-	-	-	-	0.04	0.02	8.6	7914142	563142	580.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2226	-	-	-	-	-	0.01	0.011	8.2	7914134	563137	580.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2228	-	-	-	-	-	0.01	0.077	8.2	7914125	563133	580.25	11.75	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2230	-	-	-	-	-	0.01	0.019	8.1	7914117	563128	580.36	11.86	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2319	-	-	-	-	-	0.03	0.03	8.4	7914162	563156	580.56	12.06	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2321	-	-	-	-	-	0.23	0.028	8.5	7914153	563153	580.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2323	-	-	-	-	-	0.25	0.016	8.2	7914144	563149	580.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2325	-	-	-	-	-	0.04	0.04	8.4	7914137	563143	580.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2327	-	-	-	-	-	0.01	0.017	8.5	7914127	563139	580.36	11.86	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2329	-	-	-	-	-	0.01	0.048	8.2	7914119	563134	580.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2331	-	-	-	-	-	0.01	0.089	8.1	7914111	563130	581.62	13.12	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2425	-	-	-	-	-	0.3	0.006	8.3	7914135	563146	580.58	12.08	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2428	-	-	-	-	-	0.01	0.053	8.4	7914121	563141	580.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2432	-	-	-	-	-	0.01	0.048	8	7914105	563132	582.27	13.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2531	-	-	-	-	-	0.02	0.071	7.9	7914106	563138	581.64	13.14	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2533	-	-	-	-	-	0.01	0.045	8	7914098	563134	582.79	14.29	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2632	-	-	-	-	-	0.19	0.037	7.8	7914101	563137	582.42	13.92	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	2634	-	-	-	-	-	0.01	0.076	8	7914092	563134	582.98	14.48	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3002	-	-	-	-	-	0.03	0.016	8	7914238	563185	581.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3014	-	-	-	-	-	0.04	0.04	8.4	7914185	563166	580.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3016	-	-	-	-	-	0.07	0.031	8.2	7914176	563163	580.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3018	-	-	-	-	-	0.03	0.048	8.7	7914167	563162	580.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3020	-	-	-	-	-	0.01	0.026	8.5	7914157	563160	580.62	12.12	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3022	-	-	-	-	-	0.07	0.017	8.5	7914148	563157	580.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3024	-	-	-	-	-	0.09	0.011	8.7	7914140	563154	580.51	12.01	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3028	-	-	-	-	-	0.39	0.023	8.5	7914122	563147	580.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3030	-	-	-	-	-	0.01	0.016	8	7914112	563145	580.61	12.11	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3101	-	-	-	-	-	0.08	0.016	8.1	7914243	563186	581.27	12.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3103	-	-	-	-	-	0.02	0.012	8.3	7914234	563182	581.14	12.64	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3113	-	-	-	-	-	0.03	0.04	8.3	7914190	563166	580.93	12.43	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3115	-	-	-	-	-	0.05	0.047	8.3	7914181	563162	580.58	12.08	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3119	-	-	-	-	-	0.01	0.012	8.6	7914163	563160	580.51	12.01	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3121	-	-	-	-	-	0.06	0.024	8.4	7914153	563158	580.19	11.69	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3123	-	-	-	-	-	0.03	0.008	8.5	7914144	563154	580.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3125	-	-	-	-	-	4.04	0.01	8.7	7914135	563150	580.23	11.73	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3126	-	-	-	-	-	1.17	0.023	8.3	7914131	563149	580.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3127	-	-	-	-	-	0.01	0.01	8.4	7914127	563147	580.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3129	-	-	-	-	-	0.01	0.047	8.5	7914117	563144	580.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_015	3131	-	-	-	-	-	0.01	0.018	8.2	7914108	563142	581.14	12.64	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_017	1014	-	-	-	-	-	0.01	0.003	8.1	7914100	563095	580.22	11.72	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_017	1214	-	-	-	-	-	0.01	0.003	7.7	7914094	563092	580.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_017	2507	-	-	-	-	-	0.06	0.009	6.8	7914058	563037	580.8	12.3	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_017	3111	-	-	-	-	-	0.09	0.032	7.2	7914026	563040	580.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1019	-	-	-	-	-	0.02	0.003	8.3	7914086	563096	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1022	-	-	-	-	-	0.07	0.006	8.4	7914096	563103	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1024	-	-	-	-	-	0.09	0.019	8.3	7914091	563111	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1118	-	-	-	-	-	0.01	0.003	8.2	7914081	563096	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1120	-	-	-	-	-	0.05	0.006	8.2	7914089	563100	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1123	-	-	-	-	-	0.08	0.046	8.4	7914091	563106	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1217	-	-	-	-	-	0.09	0.003	8.2	7914075	563098	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1219	-	-	-	-	-	0.22	0.004	8.4	7914083	563102	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1316	-	-	-	-	-	0.06	0.038	7.6	7914069	563100	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1318	-	-	-	-	-	0.07	0.008	8.2	7914077	563104	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_019	1320	-	-	-	-	-	0.2	0.016	8.3	7914085	563108	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1415	-	-	-	-	-	0.08	0.008	8.2	7914063	563101	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1417	-	-	-	-	-	0.14	0.014	8.1	7914071	563106	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1419	-	-	-	-	-	0.05	0.015	8.2	7914079	563110	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1514	-	-	-	-	-	0.11	0.064	8.3	7914057	563103	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1518	-	-	-	-	-	0.05	0.034	8	7914073	563112	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1613	-	-	-	-	-	0.06	0.048	8.5	7914051	563105	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1615	-	-	-	-	-	0.07	0.054	8	7914059	563109	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1617	-	-	-	-	-	0.04	0.005	8.2	7914067	563114	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1617	-	-	-	-	-	0.04	0.005	8.2	7914067	563114	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1619	-	-	-	-	-	0.03	0.086	8.1	7914075	563118	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1710	-	-	-	-	-	0.06	0.05	8.2	7914037	563103	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1712	-	-	-	-	-	0.05	0.039	8.5	7914045	563107	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1714	-	-	-	-	-	0.06	0.026	8.3	7914053	563111	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1716	-	-	-	-	-	0.08	0.08	8	7914061	563115	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1718	-	-	-	-	-	0.08	0.05	8	7914069	563120	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1809	-	-	-	-	-	0.07	0.017	8.5	7914031	563105	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1811	-	-	-	-	-	0.09	0.032	8.4	7914039	563109	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1813	-	-	-	-	-	0.15	0.021	8.6	7914047	563113	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1815	-	-	-	-	-	0.07	0.055	7.8	7914055	563117	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1906	-	-	-	-	-	0.11	0.034	7.5	7914017	563102	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1908	-	-	-	-	-	0.14	0.025	8.6	7914025	563107	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1910	-	-	-	-	-	0.12	0.04	8.5	7914034	563111	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1912	-	-	-	-	-	0.07	0.014	8.4	7914041	563115	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	1914	-	-	-	-	-	0.08	0.128	7.6	7914049	563119	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2007	-	-	-	-	-	0.08	0.038	8.1	7914019	563108	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2009	-	-	-	-	-	0.09	0.012	8.5	7914026	563112	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2011	-	-	-	-	-	0.12	0.012	8.3	7914035	563117	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2013	-	-	-	-	-	0.02	0.086	8.2	7914043	563121	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2017	-	-	-	-	-	0.13	0.085	8	7914059	563129	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2019	-	-	-	-	-	0.02	0.116	7.9	7914067	563133	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2106	-	-	-	-	-	0.05	0.022	8.5	7914013	563110	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2108	-	-	-	-	-	0.07	0.041	8.2	7914021	563114	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2110	-	-	-	-	-	0.04	0.02	8.4	7914029	563119	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2112	-	-	-	-	-	0.02	0.028	7.7	7914037	563123	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2114	-	-	-	-	-	0.02	0.188	8.1	7914045	563127	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2205	-	-	-	-	-	0.08	0.045	8.3	7914007	563112	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2207	-	-	-	-	-	0.01	0.008	8.6	7914015	563116	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2209	-	-	-	-	-	0.07	0.015	7.7	7914023	563120	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2211	-	-	-	-	-	0.01	0.007	7.8	7914030	563125	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2213	-	-	-	-	-	0.01	0.118	8.1	7914039	563130	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2304	-	-	-	-	-	0.04	0.034	8.3	7914001	563114	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2306	-	-	-	-	-	0.04	0.025	8.1	7914009	563118	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2308	-	-	-	-	-	0.09	0.017	7.8	7914016	563122	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2310	-	-	-	-	-	0.01	0.012	7.8	7914024	563127	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2312	-	-	-	-	-	0.02	0.154	7.9	7914032	563131	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2403	-	-	-	-	-	0.19	0.02	8.2	7913994	563116	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2405	-	-	-	-	-	0.09	0.053	7.6	7914002	563120	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2407	-	-	-	-	-	0.01	0.024	7.8	7914010	563124	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2409	-	-	-	-	-	0.02	0.042	7.9	7914018	563128	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2411	-	-	-	-	-	0.02	0.106	7.8	7914027	563132	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2504	-	-	-	-	-	0.07	0.057	8	7913996	563122	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2506	-	-	-	-	-	0.05	0.006	8.4	7914004	563126	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_019	2506	-	-	-	-	-	0.05	0.01	8.4	7914004	563126	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2508	-	-	-	-	-	0.02	0.014	8	7914012	563130	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2510	-	-	-	-	-	0.02	0.054	7.9	7914019	563134	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2603	-	-	-	-	-	0.07	0.046	8.1	7913990	563124	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2605	-	-	-	-	-	0.07	0.065	8.2	7913998	563128	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2607	-	-	-	-	-	0.04	0.01	7.8	7914006	563132	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2608	-	-	-	-	-	0.03	0.042	8.3	7914010	563135	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2704	-	-	-	-	-	0.08	0.081	8	7913992	563130	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2706	-	-	-	-	-	0.01	0.037	8.2	7914000	563134	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	2807	-	-	-	-	-	0.03	0.017	8	7914001	563138	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3000	-	-	-	-	-	0.04	0.019	8.3	7914076	563140	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3002	-	-	-	-	-	0.03	0.036	8.4	7914067	563139	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3005	-	-	-	-	-	0.07	0.118	8.1	7914054	563138	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3007	-	-	-	-	-	0.02	0.046	7.8	7914045	563135	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3009	-	-	-	-	-	0.01	0.118	8	7914037	563136	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3011	-	-	-	-	-	0.03	0.066	8.1	7914028	563138	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3013	-	-	-	-	-	0.03	0.065	8.1	7914019	563139	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3015	-	-	-	-	-	0.02	0.01	8.2	7914010	563141	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3017	-	-	-	-	-	0.03	0.018	8	7914001	563143	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_019	3019	-	-	-	-	-	0.02	0.052	7.4	7913992	563145	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1032	-	-	-	-	-	0.01	0.073	7.3	7914281	563140	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1034	-	-	-	-	-	0.01	0.062	7.9	7914277	563147	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1036	-	-	-	-	-	0.01	0.04	8.4	7914273	563155	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1038	-	-	-	-	-	0.01	0.081	8.3	7914268	563163	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1040	-	-	-	-	-	0.05	0.096	8.3	7914264	563171	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1042	-	-	-	-	-	0.01	0.004	8.3	7914260	563179	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1131	-	-	-	-	-	0.01	0.104	8.2	7914285	563137	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1133	-	-	-	-	-	0.01	0.118	7.1	7914281	563145	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1135	-	-	-	-	-	0.01	0.035	8.4	7914277	563153	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1137	-	-	-	-	-	0.01	0.13	8.4	7914273	563161	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1139	-	-	-	-	-	0.01	0.045	8.6	7914268	563169	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1141	-	-	-	-	-	0.01	0.05	8.5	7914264	563177	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1305	-	-	-	-	-	0.08	0.079	7.5	7914373	563170	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1311	-	-	-	-	-	0.09	0.067	7.8	7914349	563158	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1414	-	-	-	-	-	0.42	0.149	7.1	7914335	563156	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1416	-	-	-	-	-	0.56	0.188	6.8	7914327	563152	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1420	-	-	-	-	-	0.03	0.184	6	7914311	563143	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1515	-	-	-	-	-	0.07	0.168	7.3	7914328	563158	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1519	-	-	-	-	-	0.02	0.142	8	7914312	563150	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1521	-	-	-	-	-	0.03	0.099	7.9	7914304	563145	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1523	-	-	-	-	-	0.01	0.096	7.6	7914297	563141	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1525	-	-	-	-	-	0.01	0.072	7.6	7914289	563138	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1608	-	-	-	-	-	0.41	0.14	7.3	7914354	563176	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1614	-	-	-	-	-	0.06	0.152	6.5	7914330	563164	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1616	-	-	-	-	-	0.01	0.11	7.8	7914322	563160	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1620	-	-	-	-	-	0.01	0.068	8.3	7914306	563151	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1622	-	-	-	-	-	0.01	0.116	7.8	7914298	563147	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1624	-	-	-	-	-	0.01	0.096	7.5	7914291	563143	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1705	-	-	-	-	-	0.07	0.034	7.9	7914364	563187	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1707	-	-	-	-	-	0.04	0.134	7.1	7914356	563183	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1709	-	-	-	-	-	0.09	0.05	7.9	7914348	563178	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1711	-	-	-	-	-	0.14	0.164	6.4	7914340	563174	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1713	-	-	-	-	-	0.08	0.081	8.3	7914332	563170	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_021	1715	-	-	-	-	-	0.07	0.086	7.6	7914324	563166	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1717	-	-	-	-	-	0.05	0.111	8.5	7914316	563162	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1119	-	-	-	-	-	0.01	0.152	7.7	7914308	563158	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1723	-	-	-	-	-	0.01	0.07	8.1	7914292	563149	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1725	-	-	-	-	-	0.03	0.118	7	7914285	563146	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1806	-	-	-	-	-	0.08	0.017	8.3	7914358	563189	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1810	-	-	-	-	-	0.08	0.018	8.3	7914342	563180	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1812	-	-	-	-	-	0.08	0.036	8.1	7914334	563176	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1814	-	-	-	-	-	0.11	0.108	7.7	7914326	563172	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1816	-	-	-	-	-	0.12	0.132	7.9	7914318	563168	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1818	-	-	-	-	-	0.02	0.036	8.1	7914310	563164	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1820	-	-	-	-	-	0.01	0.045	7.8	7914302	563159	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1822	-	-	-	-	-	0.01	0.162	7.8	7914294	563155	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1824	-	-	-	-	-	0.01	0.062	8	7914287	563151	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1905	-	-	-	-	-	0.07	0.013	8.3	7914360	563195	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1907	-	-	-	-	-	0.06	0.022	8.3	7914352	563191	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1909	-	-	-	-	-	0.08	0.003	8.5	7914344	563186	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1911	-	-	-	-	-	0.09	0.027	8.4	7914336	563182	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1913	-	-	-	-	-	0.08	0.031	8.2	7914328	563178	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1915	-	-	-	-	-	0.13	0.02	8.2	7914320	563174	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1917	-	-	-	-	-	0.08	0.058	8.1	7914312	563170	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1919	-	-	-	-	-	0.03	0.041	8.3	7914304	563166	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1921	-	-	-	-	-	0.03	0.025	8.3	7914296	563161	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1923	-	-	-	-	-	0.03	0.074	7.9	7914288	563157	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	1925	-	-	-	-	-	0.01	0.089	8.5	7914281	563154	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2006	-	-	-	-	-	0.09	0.02	8.5	7914354	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2008	-	-	-	-	-	0.12	0.132	6.8	7914346	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2010	-	-	-	-	-	0.05	0.023	8	7914338	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2012	-	-	-	-	-	0.06	0.074	8.4	7914330	563184	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2016	-	-	-	-	-	0.05	0.019	8.3	7914314	563176	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2020	-	-	-	-	-	0.02	0.158	8.3	7914298	563167	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2022	-	-	-	-	-	0.03	0.113	8.4	7914290	563163	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2105	-	-	-	-	-	0.1	0.036	8.5	7914356	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2107	-	-	-	-	-	0.06	0.023	8.4	7914348	563198	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2109	-	-	-	-	-	0.04	0.025	8.1	7914340	563194	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2111	-	-	-	-	-	0.06	0.011	8.4	7914332	563190	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2113	-	-	-	-	-	0.05	0.041	7.8	7914324	563186	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2119	-	-	-	-	-	0.02	0.15	8.2	7914300	563173	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2121	-	-	-	-	-	0.02	0.068	8.4	7914292	563169	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2123	-	-	-	-	-	0.04	0.004	8.5	7914284	563165	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2125	-	-	-	-	-	0.02	0.104	8.4	7914277	563161	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2206	-	-	-	-	-	0.08	0.034	8.5	7914350	563205	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2210	-	-	-	-	-	0.04	0.016	8.4	7914334	563196	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2212	-	-	-	-	-	0.02	0.069	8.5	7914326	563193	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2214	-	-	-	-	-	0.01	0.122	8.5	7914318	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2218	-	-	-	-	-	0.02	0.023	8.5	7914302	563180	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2220	-	-	-	-	-	0.01	0.087	8.5	7914294	563175	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2222	-	-	-	-	-	0.03	0.138	8.3	7914286	563171	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2224	-	-	-	-	-	0.01	0.106	8.3	7914278	563167	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2305	-	-	-	-	-	0.11	0.032	8.4	7914352	563211	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2307	-	-	-	-	-	0.11	0.022	8.4	7914344	563206	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2309	-	-	-	-	-	0.05	0.124	8.3	7914336	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2313	-	-	-	-	-	0.03	0.148	7.7	7914320	563194	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_021	2315	-	-	-	-	-	0.01	0.106	8.3	7914312	563190	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2317	-	-	-	-	-	0.01	0.134	8.6	7914304	563185	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2321	-	-	-	-	-	0.01	0.069	8.4	7914287	563177	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2323	-	-	-	-	-	0.01	0.132	6.9	7914280	563173	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2325	-	-	-	-	-	0.01	0.13	8.5	7914273	563170	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2408	-	-	-	-	-	0.06	0.038	7.7	7914338	563208	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2410	-	-	-	-	-	0.07	0.042	8.4	7914330	563204	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2414	-	-	-	-	-	0.01	0.003	8.7	7914314	563196	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2418	-	-	-	-	-	0.01	0.168	8.4	7914298	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2420	-	-	-	-	-	0.01	0.044	8.5	7914290	563183	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2422	-	-	-	-	-	0.01	0.037	8.5	7914282	563179	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2505	-	-	-	-	-	0.02	0.003	8.5	7914347	563219	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2507	-	-	-	-	-	0.03	0.098	7.7	7914340	563214	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2507	-	-	-	-	-	0.03	0.098	7.7	7914340	563214	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2509	-	-	-	-	-	0.03	0.04	8.2	7914332	563210	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2511	-	-	-	-	-	0.02	0.005	8.1	7914324	563206	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2515	-	-	-	-	-	0.03	0.013	8.2	7914308	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2515	-	-	-	-	-	0.03	0.013	8.2	7914308	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2519	-	-	-	-	-	0.01	0.1	8.4	7914291	563190	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2521	-	-	-	-	-	0.01	0.019	8.4	7914284	563185	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2523	-	-	-	-	-	0.01	0.034	8.7	7914276	563181	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2525	-	-	-	-	-	0.01	0.132	8.6	7914268	563177	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2608	-	-	-	-	-	0.02	0.003	8.5	7914333	563217	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2610	-	-	-	-	-	0.02	0.003	8	7914325	563212	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2618	-	-	-	-	-	0.01	0.058	8.2	7914294	563196	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2602	-	-	-	-	-	0.01	0.047	8.4	7914286	563191	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2622	-	-	-	-	-	0.01	0.009	8.5	7914277	563187	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2624	-	-	-	-	-	0.01	0.011	8.5	7914270	563183	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2713	-	-	-	-	-	0.01	0.011	8.3	7914312	563209	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2715	-	-	-	-	-	0.01	0.013	8.1	7914304	563204	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2721	-	-	-	-	-	0.01	0.019	8.2	7914279	563193	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	2725	-	-	-	-	-	0.01	0.003	8	7914264	563185	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3000	-	-	-	-	-	0.01	0.006	7.9	7914253	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3002	-	-	-	-	-	0.01	0.007	7.5	7914260	563194	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3004	-	-	-	-	-	0.04	0.008	8.2	7914268	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3020	-	-	-	-	-	0.04	0.006	8.4	7914331	563228	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3101	-	-	-	-	-	0.01	0.006	8.1	7914257	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3107	-	-	-	-	-	0.01	0.039	8.1	7914282	563198	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3109	-	-	-	-	-	0.01	0.119	8	7914291	563200	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3117	-	-	-	-	-	0.1	0.007	8	7914321	563220	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_021	3121	-	-	-	-	-	0.43	0.011	8.5	7914336	563230	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1008	-	-	-	-	-	0.01	0.009	8.7	7914136	563164	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1012	-	-	-	-	-	0.01	0.004	8.5	7914149	563169	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1045	-	-	-	-	-	0.01	0.003	8.4	7914258	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1048	-	-	-	-	-	0.44	0.014	8.5	7914268	563205	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1052	-	-	-	-	-	0.26	0.006	8.7	7914281	563210	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1061	-	-	-	-	-	0.02	0.005	8.7	7914309	563224	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1063	-	-	-	-	-	0.05	0.01	8.6	7914315	563228	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1106	-	-	-	-	-	0.02	0.062	8.7	7914129	563164	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1110	-	-	-	-	-	0.01	0.01	8.7	7914142	563169	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1114	-	-	-	-	-	0.01	0.007	8.6	7914155	563174	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1143	-	-	-	-	-	0.02	0.005	8.4	7914251	563201	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1146	-	-	-	-	-	0.02	0.006	8.7	7914260	563206	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_022	1154	-	-	-	-	-	0.1	0.008	9.1	7914287	563215	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1157	-	-	-	-	-	0.07	0.007	9	7914295	563221	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1159	-	-	-	-	-	0.05	0.005	8.7	7914301	563224	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1162	-	-	-	-	-	0.05	0.014	8.6	7914310	563227	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1164	-	-	-	-	-	0.07	0.008	8.7	7914316	563230	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1230	-	-	-	-	-	0.05	0.007	8.2	7914206	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1241	-	-	-	-	-	0.03	0.004	8.6	7914243	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1244	-	-	-	-	-	0.07	0.005	8.2	7914253	563205	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_022	1249	-	-	-	-	-	0.08	0.005	8.6	7914270	563211	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2000	-	-	-	-	-	0.11	0.003	8.4	7914000	562975	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2002	-	-	-	-	-	0.07	0.003	8.7	7913996	562983	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2101	-	-	-	-	-	0.08	0.003	8.3	7913994	562977	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2103	-	-	-	-	-	0.09	0.028	9	7913990	562985	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2105	-	-	-	-	-	0.09	0.01	8.3	7913986	562993	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2107	-	-	-	-	-	0.05	0.007	8.3	7913981	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2200	-	-	-	-	-	0.13	0.004	8.2	7913991	562971	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2202	-	-	-	-	-	0.08	0.003	8.7	7913988	562979	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2204	-	-	-	-	-	0.12	0.028	8.8	7913984	562987	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2206	-	-	-	-	-	0.03	0.003	9	7913980	562995	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2208	-	-	-	-	-	0.04	0.009	7.2	7913975	563003	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2210	-	-	-	-	-	0.1	0.016	6.4	7913971	563010	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2301	-	-	-	-	-	0.09	0.003	8.5	7913985	562974	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2303	-	-	-	-	-	0.13	0.017	9.2	7913982	562981	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2305	-	-	-	-	-	0.09	0.003	9.2	7913978	562989	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2307	-	-	-	-	-	0.05	0.012	9.1	7913973	562997	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2307	-	-	-	-	-	0.05	0.012	9.1	7913973	562997	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2309	-	-	-	-	-	0.02	0.004	9.1	7913969	563004	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_023	2311	-	-	-	-	-	0.21	0.004	6.5	7913964	563012	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1006	-	-	-	-	-	-	0.009	8.2	7914231	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1015	-	-	-	-	-	-	0.003	8.5	7914200	563194	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1030	-	-	-	-	-	-	0.003	8.5	7914151	563177	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1036	-	-	-	-	-	-	0.006	8.1	7914131	563171	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1047	-	-	-	-	-	-	0.025	8.6	7914100	563152	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1053	-	-	-	-	-	-	0.016	8.3	7914080	563148	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1059	-	-	-	-	-	-	0.016	8.4	7914059	563147	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1112	-	-	-	-	-	-	0.003	8.2	7914209	563199	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1118	-	-	-	-	-	-	0.012	8.3	7914190	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1141	-	-	-	-	-	-	0.007	9.2	7914118	563162	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1145	-	-	-	-	-	-	0.008	8.5	7914105	563157	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1150	-	-	-	-	-	-	0.017	8.2	7914089	563152	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1156	-	-	-	-	-	-	0.023	8.2	7914069	563151	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1162	-	-	-	-	-	-	0.009	7.9	7914048	563150	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1165	-	-	-	-	-	-	0.024	8.2	7914038	563148	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1168	-	-	-	-	-	-	0.014	8.7	7914028	563149	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1175	-	-	-	-	-	-	0.02	8.5	7914003	563151	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1200	-	-	-	-	-	-	0.011	8.5	7914250	563214	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1209	-	-	-	-	-	-	0.01	8.6	7914219	563204	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1224	-	-	-	-	-	-	0.003	8.5	7914169	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1239	-	-	-	-	-	-	0.023	8.7	7914121	563172	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1271	-	-	-	-	-	-	0.022	8.9	7914018	563154	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1278	-	-	-	-	-	-	0.014	8.1	7913994	563158	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_024	1287	-	-	-	-	-	-	0.017	8.4	7913988	563157	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1030	-	-	-	-	-	0.13	0.005	9	7913952	563020	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_025	1032	-	-	-	-	-	0.17	0.044	9.1	7913956	563012	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1034	-	-	-	-	-	0.07	0.023	9.1	7913960	563005	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1036	-	-	-	-	-	0.13	0.014	9.8	7913963	562998	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1038	-	-	-	-	-	0.13	0.007	9.6	7913967	562991	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1040	-	-	-	-	-	0.09	0.004	9.5	7913972	562984	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	1043	-	-	-	-	-	0.13	0.021	9.2	7913977	562974	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2512	-	-	-	-	-	0.33	0.021	7.2	7913946	563029	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2605	-	-	-	-	-	0.09	0.016	8.5	7913926	563053	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2607	-	-	-	-	-	0.11	0.021	8.9	7913931	563045	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2609	-	-	-	-	-	0.7	0.01	7.9	7913935	563037	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2613	-	-	-	-	-	0.06	0.022	9.1	7913943	563021	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2615	-	-	-	-	-	0.09	0.023	9.4	7913948	563014	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2617	-	-	-	-	-	0.12	0.003	9.1	7913952	563006	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2619	-	-	-	-	-	0.08	0.013	9.2	7913956	562998	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2621	-	-	-	-	-	0.14	0.006	9.5	7913961	562990	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2623	-	-	-	-	-	0.1	0.005	9.9	7913965	562982	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2625	-	-	-	-	-	0.08	0.007	9.1	7913969	562974	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2627	-	-	-	-	-	0.17	0.017	9.8	7913973	562966	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2704	-	-	-	-	-	0.14	0.025	8.5	7913920	563055	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2706	-	-	-	-	-	0.12	0.031	9.3	7913924	563047	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2708	-	-	-	-	-	0.15	0.013	9.4	7913929	563039	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2710	-	-	-	-	-	0.08	0.018	8.1	7913933	563031	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2712	-	-	-	-	-	0.14	0.026	9	7913937	563023	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2714	-	-	-	-	-	0.07	0.005	8.8	7913942	563015	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2716	-	-	-	-	-	0.1	0.015	9.2	7913946	563007	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2718	-	-	-	-	-	0.09	0.023	9.6	7913950	563000	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2720	-	-	-	-	-	0.1	0.012	9.7	7913954	562992	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2722	-	-	-	-	-	0.13	0.032	9.3	7913959	562984	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2724	-	-	-	-	-	0.1	0.004	9.1	7913963	562976	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2726	-	-	-	-	-	0.09	0.007	9.7	7913967	562968	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2801	-	-	-	-	-	0.21	0.006	7.6	7913910	563065	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2803	-	-	-	-	-	0.11	0.014	9.2	7913914	563057	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2805	-	-	-	-	-	0.11	0.01	9.5	7913918	563049	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2807	-	-	-	-	-	0.11	0.018	9	7913923	563041	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2809	-	-	-	-	-	0.02	0.022	8.2	7913927	563033	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2811	-	-	-	-	-	0.19	0.132	8	7913931	563025	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2813	-	-	-	-	-	0.07	0.009	8.7	7913936	563017	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2815	-	-	-	-	-	0.07	0.025	9.2	7913940	563009	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2817	-	-	-	-	-	0.11	0.006	8.9	7913944	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2819	-	-	-	-	-	0.1	0.008	9.5	7913948	562993	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2821	-	-	-	-	-	0.09	0.036	9.7	7913953	562986	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2823	-	-	-	-	-	0.1	0.019	9.4	7913957	562978	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2823	-	-	-	-	-	0.1	0.019	9.4	7913957	562978	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2825	-	-	-	-	-	0.12	0.003	9.8	7913961	562970	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2827	-	-	-	-	-	0.1	0.006	9.8	7913965	562962	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2900	-	-	-	-	-	0.12	0.006	8.9	7913904	563066	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2902	-	-	-	-	-	0.12	0.038	9.2	7913908	563059	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2904	-	-	-	-	-	0.09	0.024	9.2	7913912	563051	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2906	-	-	-	-	-	0.04	0.01	8.8	7913916	563043	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2908	-	-	-	-	-	0.05	0.015	8.5	7913921	563035	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2910	-	-	-	-	-	0.04	0.136	6.4	7913925	563027	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2912	-	-	-	-	-	0.06	0.098	8.2	7913929	563019	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2914	-	-	-	-	-	0.01	0.003	9	7913934	563011	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_025	2916	-	-	-	-	-	0.02	0.005	8.9	7913938	563003	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2918	-	-	-	-	-	0.11	0.009	9.4	7913942	562995	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2920	-	-	-	-	-	0.09	0.003	9	7913947	562987	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2922	-	-	-	-	-	0.13	0.007	8.9	7913951	562979	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2924	-	-	-	-	-	0.12	0.009	9.7	7913955	562971	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_025	2926	-	-	-	-	-	0.11	0.032	9.5	7913959	562964	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	256	-	-	-	-	-	0.05	0.008	9.1	7913980	562926	579.09	10.59	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	258	-	-	-	-	-	0.06	0.008	9.2	7913985	562929	579.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	260	-	-	-	-	-	0.07	0.007	9.6	7913990	562931	580.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	262	-	-	-	-	-	0.11	0.016	8.6	7913996	562933	580.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	336	-	-	-	-	-	0.05	0.007	9.4	7913983	562931	579.16	10.66	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	337	-	-	-	-	-	0.06	0.003	8.6	7913987	562933	579.34	10.84	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1000	-	-	-	-	-	0.28	0.003	9.2	7913990	562963	580.07	11.57	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1002	-	-	-	-	-	0.57	0.025	8.1	7913998	562966	580.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1004	-	-	-	-	-	0.14	0.012	8.4	7914005	562970	580.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1042	-	-	-	-	-	0.08	0.078	9.4	7913965	562953	579.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1044	-	-	-	-	-	0.17	0.016	9	7913972	562957	579.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1046	-	-	-	-	-	0.13	0.005	9.4	7913982	562959	580.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1101	-	-	-	-	-	0.14	0.003	8.5	7913995	562962	580.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1105	-	-	-	-	-	0.8	0.01	8.3	7914009	562969	580.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1143	-	-	-	-	-	0.13	0.007	9.3	7913970	562954	579.61	11.11	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1145	-	-	-	-	-	0.11	0.006	9.2	7913978	562956	579.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1147	-	-	-	-	-	0.15	0.003	9.3	7913987	562959	579.96	11.46	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1200	-	-	-	-	-	0.11	0.003	8.7	7913994	562956	579.99	11.49	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	1509	-	-	-	-	-	1	0.112	7.1	7914037	562962	580.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3101	-	-	-	-	-	0.11	0.003	9.2	7913972	562950	579.28	10.78	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3200	-	-	-	-	-	0.1	0.058	9.2	7913970	562944	579.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3202	-	-	-	-	-	0.13	0.005	9.7	7913978	562948	579.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3204	-	-	-	-	-	0.12	0.006	9.2	7913985	562952	579.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3301	-	-	-	-	-	0.12	0.004	9.3	7913976	562942	579.17	10.67	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3303	-	-	-	-	-	0.12	0.004	9.3	7913984	562946	579.46	10.96	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3305	-	-	-	-	-	0.1	0.003	9.4	7913991	562951	579.63	11.13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3400	-	-	-	-	-	0.06	0.016	9.3	7913974	562936	578.96	10.46	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3402	-	-	-	-	-	0.07	0.034	9.1	7913982	562940	579.37	10.87	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3404	-	-	-	-	-	0.08	0.006	9.4	7913989	562944	579.7	11.2	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3501	-	-	-	-	-	0.12	0.036	8.2	7913980	562934	579.03	10.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3503	-	-	-	-	-	0.05	0.026	9.4	7913988	562938	579.27	10.77	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_027	3505	-	-	-	-	-	0.09	0.006	8.3	7913995	562944	579.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1006	-	-	-	-	-	0.14	0.015	7.5	7913900	563073	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1030	-	-	-	-	-	0.07	0.062	7.9	7913982	563131	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1129	-	-	-	-	-	0.05	0.069	7.4	7913978	563128	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1131	-	-	-	-	-	0.06	0.088	7.6	7913981	563136	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1133	-	-	-	-	-	0.06	0.083	7.5	7913982	563145	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1404	-	-	-	-	-	0.15	0.026	8.3	7913884	563082	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1428	-	-	-	-	-	0.06	0.035	8.1	7913977	563135	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1503	-	-	-	-	-	0.14	0.016	8.8	7913878	563083	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1602	-	-	-	-	-	0.06	0.004	9.1	7913872	563086	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1628	-	-	-	-	-	0.03	0.148	6.8	7913974	563142	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1701	-	-	-	-	-	0.05	0.006	8.7	7913866	563088	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1703	-	-	-	-	-	0.04	0.006	8.4	7913874	563092	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1729	-	-	-	-	-	0.01	0.12	7	7913978	563147	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1802	-	-	-	-	-	0.03	0.007	8.8	7913868	563094	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1804	-	-	-	-	-	0.12	0.003	7.4	7913875	563098	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_029	1901	-	-	-	-	-	0.03	0.005	8.7	7913863	563096	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	1903	-	-	-	-	-	0.32	0.025	7.3	7913869	563100	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	2002	-	-	-	-	-	0.12	0.006	7.6	7913864	563102	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	2103	-	-	-	-	-	0.18	0.013	7.5	7913864	563107	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	2113	-	-	-	-	-	0.17	0.015	6.3	7913905	563129	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	2222	-	-	-	-	-	0.25	0.022	7.1	7913938	563152	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4000	-	-	-	-	-	0.14	0.082	7.7	7913987	563150	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4002	-	-	-	-	-	0.11	0.013	8.1	7913979	563153	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4004	-	-	-	-	-	0.11	0.013	7.8	7913970	563156	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4048	-	-	-	-	-	0.13	0.007	7.9	7913859	563101	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4050	-	-	-	-	-	0.11	0.003	8.5	7913858	563092	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4103	-	-	-	-	-	0.11	0.029	7.8	7913974	563153	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4147	-	-	-	-	-	0.1	0.015	6.6	7913860	563105	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_029	4149	-	-	-	-	-	0.1	0.008	8.6	7913859	563096	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1000	-	-	-	-	-	-	0.017	8.4	7914319	563240	575.95	7.45	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1006	-	-	-	-	-	-	0.013	8.5	7914300	563237	573.63	5.13	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1014	-	-	-	-	-	-	0.027	8.4	7914281	563225	573.72	5.22	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1022	-	-	-	-	-	-	0.018	8.6	7914258	563217	573.03	4.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1103	-	-	-	-	-	-	0.086	8.8	7914309	563236	574.76	6.26	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1109	-	-	-	-	-	-	0.011	8.4	7914293	563227	573.44	4.93	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1117	-	-	-	-	-	-	0.024	8.5	7914270	563219	573.57	5.07	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_030	1122	-	-	-	-	-	-	0.007	8.3	7914256	563213	572.54	4.04	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	200	-	-	-	-	-	0.04	0.007	9.1	7913973	562924	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	201	-	-	-	-	-	0.07	0.028	8.8	7913969	562923	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	203	-	-	-	-	-	0.08	0.038	9.2	7913963	562920	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	206	-	-	-	-	-	0.06	0.007	9.6	7913952	562916	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	207	-	-	-	-	-	0.07	0.022	9.5	7913949	562914	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	208	-	-	-	-	-	0.06	0.057	9.5	7913945	562913	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	210	-	-	-	-	-	0.05	0.072	8.8	7913939	562910	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	211	-	-	-	-	-	0.05	0.071	8.9	7913935	562909	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	215	-	-	-	-	-	-	0.023	9.3	7913922	562903	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	216	-	-	-	-	-	-	0.013	9	7913918	562902	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	303	-	-	-	-	-	0.13	0.06	9.4	7913958	562921	580.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	309	-	-	-	-	-	-	0.028	9.3	7913931	562910	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	310	-	-	-	-	-	-	0.109	8.8	7913926	562908	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	312	-	-	-	-	-	-	0.015	9.4	7913918	562905	580.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1000	-	-	-	-	-	-	0.012	9.4	7913969	562931	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1002	-	-	-	-	-	-	0.003	9.5	7913964	562939	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1004	-	-	-	-	-	-	0.007	9.4	7913959	562946	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1006	-	-	-	-	-	0.06	0.004	8.8	7913954	562953	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1008	-	-	-	-	-	0.08	0.003	8.7	7913949	562961	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1010	-	-	-	-	-	0.37	0.108	9.3	7913945	562969	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1012	-	-	-	-	-	0.05	0.003	9	7913941	562977	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1014	-	-	-	-	-	0.11	0.006	9.4	7913939	562986	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1016	-	-	-	-	-	0.09	0.003	9.3	7913934	562993	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1018	-	-	-	-	-	0.08	0.012	9.8	7913930	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1020	-	-	-	-	-	0.06	0.007	9.3	7913926	563010	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1022	-	-	-	-	-	0.07	0.037	9.5	7913920	563017	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1024	-	-	-	-	-	0.08	0.073	9.8	7913916	563024	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1026	-	-	-	-	-	0.05	0.009	9.5	7913911	563031	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1028	-	-	-	-	-	0.11	0.016	9.4	7913906	563039	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1030	-	-	-	-	-	0.12	0.011	9.3	7913902	563046	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1032	-	-	-	-	-	0.19	0.007	9.4	7913898	563055	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_031	1034	-	-	-	-	-	0.11	0.017	9.1	7913896	563062	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1036	-	-	-	-	-	0.17	0.036	9.2	7913888	563068	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1038	-	-	-	-	-	0.17	0.008	9.6	7913880	563071	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1040	-	-	-	-	-	0.1	0.004	9.2	7913872	563074	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1042	-	-	-	-	-	0.11	0.006	8.8	7913865	563078	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1101	-	-	-	-	-	-	0.004	9.3	7913965	562933	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1103	-	-	-	-	-	-	0.052	9.3	7913959	562941	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1301	-	-	-	-	-	-	0.027	9.5	7913960	562932	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1303	-	-	-	-	-	-	0.006	9.5	7913955	562940	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1305	-	-	-	-	-	0.13	0.004	8.6	7913949	562949	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1037	-	-	-	-	-	0.08	0.004	8.7	7913945	562956	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1309	-	-	-	-	-	0.09	0.003	8.7	7913940	562965	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1311	-	-	-	-	-	0.12	0.054	8.9	7913935	562973	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1313	-	-	-	-	-	0.11	0.007	9.5	7913933	562982	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1315	-	-	-	-	-	0.06	0.054	9.1	7913928	562990	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1317	-	-	-	-	-	0.06	0.01	9	7913923	562999	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1319	-	-	-	-	-	0.07	0.008	9.4	7913919	563007	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1321	-	-	-	-	-	0.07	0.015	9.6	7913914	563015	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1323	-	-	-	-	-	0.02	0.14	9.3	7913909	563023	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1325	-	-	-	-	-	0.09	0.057	9.2	7913903	563031	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1327	-	-	-	-	-	-	0.026	8.9	7913899	563039	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1329	-	-	-	-	-	0.15	0.022	9.2	7913895	563048	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1331	-	-	-	-	-	0.12	0.012	9.3	7913891	563057	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1400	-	-	-	-	-	0.05	0.027	9.4	7913958	562926	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1402	-	-	-	-	-	0.04	0.04	9.1	7913954	562934	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1404	-	-	-	-	-	-	0.005	9.5	7913949	562942	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1406	-	-	-	-	-	0.08	0.029	8.6	7913944	562951	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1408	-	-	-	-	-	0.22	0.032	9.2	7913939	562959	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1410	-	-	-	-	-	0.15	0.006	9.4	7913934	562967	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1412	-	-	-	-	-	0.16	0.003	9	7913931	562976	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1414	-	-	-	-	-	0.15	0.003	9	7913926	562984	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1416	-	-	-	-	-	0.12	0.003	9.2	7913922	562992	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1418	-	-	-	-	-	0.05	0.062	9.7	7913917	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1420	-	-	-	-	-	0.03	0.01	8.8	7913913	563009	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1422	-	-	-	-	-	0.19	0.015	8.8	7913908	563017	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1424	-	-	-	-	-	-	0.016	9.3	7913903	563025	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1426	-	-	-	-	-	0.04	0.008	9.3	7913898	563033	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1428	-	-	-	-	-	0.2	0.014	9.1	7913893	563042	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1430	-	-	-	-	-	0.13	0.004	9	7913889	563050	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1432	-	-	-	-	-	0.14	0.027	9.3	7913885	563059	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1434	-	-	-	-	-	0.18	0.039	9.5	7913880	563064	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1501	-	-	-	-	-	-	0.03	9.8	7913952	562928	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1503	-	-	-	-	-	-	0.011	10	7913947	562936	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1505	-	-	-	-	-	0.18	0.014	8.9	7913943	562944	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1507	-	-	-	-	-	0.24	0.046	8.8	7913938	562953	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1509	-	-	-	-	-	0.12	0.031	9.3	7913933	562961	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1511	-	-	-	-	-	0.23	0.017	9.2	7913929	562969	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1513	-	-	-	-	-	0.1	0.004	9	7913925	562978	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1515	-	-	-	-	-	0.18	0.004	8.9	7913920	562986	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1517	-	-	-	-	-	0.11	0.012	9.3	7913915	562994	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1519	-	-	-	-	-	0.03	0.009	9	7913911	563003	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1521	-	-	-	-	-	0.16	0.006	9.3	7913906	563011	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1523	-	-	-	-	-	0.11	0.003	8.6	7913901	563019	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_031	1525	-	-	-	-	-	-	0.012	9.2	7913897	563027	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1527	-	-	-	-	-	-	0.019	9.1	7913892	563036	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1529	-	-	-	-	-	0.28	0.005	8.7	7913888	563044	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1531	-	-	-	-	-	0.11	0.003	9.1	7913884	563053	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1533	-	-	-	-	-	0.12	0.041	9	7913879	563061	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1600	-	-	-	-	-	0.05	0.004	9.4	7913950	562922	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1602	-	-	-	-	-	0.08	0.003	9.4	7913945	562930	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1604	-	-	-	-	-	0.06	0.032	9.4	7913941	562938	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1606	-	-	-	-	-	0.06	0.02	8.4	7913936	562946	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1608	-	-	-	-	-	0.26	0.041	9.1	7913932	562955	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1610	-	-	-	-	-	0.14	0.016	8.9	7913927	562963	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1612	-	-	-	-	-	0.15	0.024	9.4	7913923	562971	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1614	-	-	-	-	-	0.13	0.003	8.9	7913918	562980	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1616	-	-	-	-	-	0.13	0.004	9.1	7913914	562988	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1618	-	-	-	-	-	0.15	0.006	9	7913909	562996	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1620	-	-	-	-	-	0.02	0.008	9.2	7913904	563005	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1622	-	-	-	-	-	0.11	0.011	7.2	7913900	563013	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1624	-	-	-	-	-	-	0.003	8.9	7913895	563021	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1626	-	-	-	-	-	-	0.003	9	7913891	563030	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1628	-	-	-	-	-	0.1	0.019	8.8	7913886	563038	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1630	-	-	-	-	-	0.12	0.013	9.2	7913882	563046	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1634	-	-	-	-	-	0.15	0.031	8.9	7913873	563063	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1636	-	-	-	-	-	0.05	0.004	9.2	7913867	563070	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1701	-	-	-	-	-	0.05	0.003	9.3	7913943	562924	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1703	-	-	-	-	-	-	0.01	9.4	7913939	562931	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1705	-	-	-	-	-	-	0.003	9.3	7913934	562940	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1707	-	-	-	-	-	0.17	0.028	8.6	7913930	562948	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1709	-	-	-	-	-	0.16	0.033	9	7913925	562956	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1711	-	-	-	-	-	0.02	0.003	8.3	7913921	562965	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1713	-	-	-	-	-	0.01	0.003	8.2	7913916	562973	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1715	-	-	-	-	-	0.01	0.089	8.6	7913912	562981	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1717	-	-	-	-	-	0.17	0.004	8.7	7913907	562990	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1719	-	-	-	-	-	0.13	0.02	9	7913903	562998	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1721	-	-	-	-	-	0.11	0.011	9.1	7913898	563006	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1723	-	-	-	-	-	-	0.024	9.2	7913893	563015	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1725	-	-	-	-	-	-	0.003	9.2	7913889	563023	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1727	-	-	-	-	-	0.15	0.006	9.3	7913884	563031	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1729	-	-	-	-	-	0.14	0.007	9.5	7913880	563040	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1731	-	-	-	-	-	0.11	0.042	9.7	7913875	563048	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1733	-	-	-	-	-	0.14	0.078	9.4	7913871	563056	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1735	-	-	-	-	-	0.04	0.027	8	7913866	563065	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1737	-	-	-	-	-	0.24	0.012	8.8	7913860	563073	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1800	-	-	-	-	-	0.12	0.01	9.5	7913941	562919	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1802	-	-	-	-	-	0.14	0.04	9.5	7913937	562925	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1804	-	-	-	-	-	-	0.009	9.7	7913933	562933	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1806	-	-	-	-	-	-	0.06	9.3	7913928	562942	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1808	-	-	-	-	-	0.13	0.008	8.9	7913924	562950	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1810	-	-	-	-	-	0.06	0.003	8.7	7913919	562958	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1812	-	-	-	-	-	0.01	0.009	8.2	7913914	562967	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1814	-	-	-	-	-	0.01	0.003	8.6	7913910	562975	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1816	-	-	-	-	-	0.1	0.116	8.8	7913905	562983	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1818	-	-	-	-	-	0.12	0.003	8.7	7913901	562992	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1820	-	-	-	-	-	0.15	0.003	9.2	7913896	563000	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_031	1822	-	-	-	-	-	-	0.025	9.3	7913892	563008	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1824	-	-	-	-	-	-	0.007	9.3	7913887	563017	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1826	-	-	-	-	-	-	0.019	9.7	7913882	563025	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1828	-	-	-	-	-	0.17	0.02	9.5	7913878	563033	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1830	-	-	-	-	-	0.16	0.009	9.4	7913873	563042	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1832	-	-	-	-	-	0.1	0.013	9.1	7913869	563050	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1834	-	-	-	-	-	0.04	0.012	9	7913865	563060	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1836	-	-	-	-	-	0.04	0.053	7.8	7913860	563068	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1901	-	-	-	-	-	0.18	0.112	9.3	7913936	562917	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1903	-	-	-	-	-	-	0.019	9.6	7913931	562927	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1905	-	-	-	-	-	-	0.006	9.5	7913926	562935	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1907	-	-	-	-	-	0.15	0.037	8.7	7913922	562944	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1909	-	-	-	-	-	0.1	0.008	8.7	7913917	562952	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1911	-	-	-	-	-	0.01	0.008	8.5	7913912	562960	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1913	-	-	-	-	-	0.01	0.066	8.4	7913908	562969	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1915	-	-	-	-	-	0.17	0.016	8.6	7913903	562977	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1917	-	-	-	-	-	0.14	0.003	9.3	7913899	562985	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1919	-	-	-	-	-	0.13	0.016	9	7913894	562994	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1921	-	-	-	-	-	0.13	0.01	9.3	7913890	563002	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1923	-	-	-	-	-	-	0.02	9.5	7913885	563010	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1925	-	-	-	-	-	-	0.011	9.1	7913881	563019	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1927	-	-	-	-	-	0.08	0.036	9.4	7913876	563027	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1929	-	-	-	-	-	0.03	0.018	9.1	7913872	563035	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1931	-	-	-	-	-	0.04	0.005	9.1	7913867	563044	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1933	-	-	-	-	-	0.05	0.004	8.9	7913862	563052	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	1935	-	-	-	-	-	-	0.038	8.4	7913859	563060	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2002	-	-	-	-	-	0.2	0.047	9.6	7913929	562920	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2004	-	-	-	-	-	-	0.017	9	7913924	562929	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2006	-	-	-	-	-	-	0.007	9	7913920	562937	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2008	-	-	-	-	-	-	0.003	9.1	7913915	562945	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2010	-	-	-	-	-	-	0.006	9.1	7913911	562954	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2012	-	-	-	-	-	-	0.023	8.8	7913906	562962	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2014	-	-	-	-	-	-	0.014	8.8	7913902	562970	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2016	-	-	-	-	-	-	0.003	8.9	7913897	562978	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2018	-	-	-	-	-	-	0.003	9	7913892	562987	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2020	-	-	-	-	-	-	0.013	9.5	7913888	562995	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2022	-	-	-	-	-	-	0.048	9.2	7913883	563004	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2024	-	-	-	-	-	-	0.009	9.5	7913879	563012	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2026	-	-	-	-	-	-	0.024	9.4	7913874	563020	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2028	-	-	-	-	-	0.03	0.022	9.3	7913870	563029	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2030	-	-	-	-	-	0.06	0.042	9	7913866	563037	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2032	-	-	-	-	-	0.06	0.003	8.9	7913862	563046	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2101	-	-	-	-	-	0.11	0.016	9	7913927	562914	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2103	-	-	-	-	-	0.13	0.009	9.1	7913922	562922	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2105	-	-	-	-	-	0.15	0.014	8.9	7913918	562931	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2107	-	-	-	-	-	0.09	0.134	9.1	7913913	562939	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2109	-	-	-	-	-	0.11	0.004	9.2	7913909	562947	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2111	-	-	-	-	-	0.14	0.006	8.9	7913904	562955	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2113	-	-	-	-	-	0.16	0.005	8.5	7913900	562964	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2115	-	-	-	-	-	0.18	0.005	8.8	7913895	562972	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2117	-	-	-	-	-	0.14	0.004	9.3	7913890	562981	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2119	-	-	-	-	-	0.08	0.007	9.3	7913886	562989	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2121	-	-	-	-	-	0.15	0.005	9.4	7913881	562997	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_031	2123	-	-	-	-	-	0.12	0.026	9.2	7913877	563006	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2125	-	-	-	-	-	0.03	0.019	9.1	7913872	563014	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2127	-	-	-	-	-	0.01	0.003	8.9	7913868	563023	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2129	-	-	-	-	-	0.04	0.012	8.9	7913863	563031	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2131	-	-	-	-	-	-	0.048	8.9	7913859	563039	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2202	-	-	-	-	-	0.11	0.048	8.7	7913921	562916	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2204	-	-	-	-	-	0.09	0.006	8.1	7913916	562924	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2206	-	-	-	-	-	0.17	0.007	9.2	7913911	562933	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2208	-	-	-	-	-	0.14	0.011	9	7913907	562941	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2210	-	-	-	-	-	0.15	0.004	9.1	7913902	562949	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2212	-	-	-	-	-	0.14	0.005	8.8	7913898	562958	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2214	-	-	-	-	-	0.11	0.14	8.8	7913894	562966	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2216	-	-	-	-	-	0.11	0.003	9	7913889	562974	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2218	-	-	-	-	-	0.14	0.071	8.9	7913884	562983	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2220	-	-	-	-	-	0.13	0.017	8.8	7913879	562991	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2222	-	-	-	-	-	0.09	0.006	8.7	7913875	562999	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2224	-	-	-	-	-	0.09	0.053	8.7	7913870	563008	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2226	-	-	-	-	-	0.14	0.068	9.3	7913866	563016	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2228	-	-	-	-	-	0.1	0.027	9.3	7913863	563025	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2230	-	-	-	-	-	0.16	0.007	9.3	7913859	563034	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2301	-	-	-	-	-	0.12	0.031	9.4	7913919	562910	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2303	-	-	-	-	-	0.09	0.121	8.8	7913914	562918	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2305	-	-	-	-	-	0.08	0.082	8.8	7913910	562926	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2307	-	-	-	-	-	0.12	0.032	8.8	7913905	562935	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2309	-	-	-	-	-	0.09	0.034	9	7913900	562943	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2311	-	-	-	-	-	0.11	0.008	9.3	7913896	562951	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2313	-	-	-	-	-	0.11	0.007	9.1	7913891	562960	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2315	-	-	-	-	-	0.07	0.003	8.8	7913887	562968	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2317	-	-	-	-	-	0.21	0.005	8.7	7913882	562976	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2319	-	-	-	-	-	0.14	0.006	9.1	7913878	562985	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2321	-	-	-	-	-	0.12	0.046	8.9	7913873	562993	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2323	-	-	-	-	-	0.12	0.07	9.1	7913868	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2325	-	-	-	-	-	0.2	0.007	9.3	7913865	563010	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2327	-	-	-	-	-	-	0.042	9.1	7913860	563018	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2402	-	-	-	-	-	0.03	0.059	9.1	7913912	562912	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2404	-	-	-	-	-	0.3	0.023	8.7	7913909	562920	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2406	-	-	-	-	-	0.15	0.142	8.7	7913904	562928	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2408	-	-	-	-	-	0.05	0.044	8.8	7913899	562937	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2410	-	-	-	-	-	0.11	0.006	8.7	7913895	562945	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2412	-	-	-	-	-	0.16	0.003	8.6	7913890	562953	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2414	-	-	-	-	-	0.09	0.009	8.7	7913886	562962	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2416	-	-	-	-	-	0.11	0.004	9.4	7913881	562970	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2418	-	-	-	-	-	0.11	0.035	8.9	7913877	562979	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2420	-	-	-	-	-	0.1	0.032	8.8	7913870	562986	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2422	-	-	-	-	-	0.14	0.021	9	7913867	562995	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2424	-	-	-	-	-	-	0.008	9.2	7913863	563003	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2505	-	-	-	-	-	-	0.174	9	7913903	562923	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2507	-	-	-	-	-	-	0.02	9.3	7913898	562931	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2511	-	-	-	-	-	0.16	0.041	8.7	7913889	562947	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2513	-	-	-	-	-	0.26	0.013	9	7913885	562956	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2515	-	-	-	-	-	0.1	0.182	9.4	7913880	562964	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	2517	-	-	-	-	-	0.17	0.005	9.1	7913875	562972	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3026	-	-	-	-	-	-	0.006	9	7913856	563015	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_031	3100	-	-	-	-	-	-	0.08	9.2	7913912	562907	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3103	-	-	-	-	-	-	0.1	8.5	7913902	562917	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3106	-	-	-	-	-	-	0.025	9.1	7913895	562929	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3109	-	-	-	-	-	0.17	0.1	9.2	7913888	562941	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3112	-	-	-	-	-	0.25	0.126	9.2	7913881	562954	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3115	-	-	-	-	-	0.12	0.004	9.4	7913874	562966	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3117	-	-	-	-	-	0.17	0.007	9.3	7913870	562975	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3120	-	-	-	-	-	-	0.032	8.9	7913865	562988	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3121	-	-	-	-	-	0.13	0.03	8.8	7913863	562992	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3123	-	-	-	-	-	0.12	0.016	8.8	7913860	563001	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3129	-	-	-	-	-	-	0.007	8.8	7913856	563029	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3132	-	-	-	-	-	-	0.004	8.8	7913855	563043	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3135	-	-	-	-	-	0.17	0.01	8.8	7913855	563058	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_031	3138	-	-	-	-	-	-	0.01	8.5	7913856	563071	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	305	-	-	-	-	-	-	0.034	7.9	7914406	563174	580	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1002	-	-	-	-	-	-	0.026	8.2	7914378	563175	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1004	-	-	-	-	-	-	0.067	7.6	7914374	563183	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1006	-	-	-	-	-	-	0.025	8.4	7914370	563191	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1008	-	-	-	-	-	-	0.006	8.6	7914368	563200	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1010	-	-	-	-	-	-	0.005	8.7	7914364	563208	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1012	-	-	-	-	-	-	0.003	8.8	7914360	563215	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1014	-	-	-	-	-	-	0.003	8.6	7914353	563222	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1101	-	-	-	-	-	-	0.046	8	7914383	563172	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1105	-	-	-	-	-	-	0.058	7.7	7914374	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1106	-	-	-	-	-	-	0.028	8.4	7914373	563193	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1107	-	-	-	-	-	-	0.003	8.6	7914372	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1109	-	-	-	-	-	-	0.003	8.8	7914368	563205	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1111	-	-	-	-	-	-	0.004	8.8	7914364	563213	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1113	-	-	-	-	-	-	0.003	9	7914358	563219	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1315	-	-	-	-	-	-	0.003	9	7914356	563228	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1404	-	-	-	-	-	-	0.082	7.1	7914381	563186	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1406	-	-	-	-	-	-	0.012	8.5	7914377	563195	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1412	-	-	-	-	-	-	0.008	9	7914365	563219	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1414	-	-	-	-	-	-	0.004	8.8	7914359	563226	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1505	-	-	-	-	-	-	0.052	7.5	7914383	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1507	-	-	-	-	-	-	0.004	8.7	7914377	563199	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1509	-	-	-	-	-	-	0.003	8.8	7914373	563208	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1511	-	-	-	-	-	-	0.003	8.8	7914368	563216	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1515	-	-	-	-	-	-	0.004	8.6	7914363	563233	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1602	-	-	-	-	-	-	0.066	7.9	7914393	563182	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1606	-	-	-	-	-	-	0.026	8	7914385	563199	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1608	-	-	-	-	-	-	0.003	8.7	7914380	563206	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1610	-	-	-	-	-	-	0.003	8.7	7914376	563214	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1612	-	-	-	-	-	-	0.003	8.7	7914373	563223	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1614	-	-	-	-	-	-	0.003	9.1	7914369	563231	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1705	-	-	-	-	-	-	0.078	7.1	7914391	563196	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1706	-	-	-	-	-	-	0.046	7.5	7914389	563200	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1707	-	-	-	-	-	-	0.004	8.7	7914387	563204	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1709	-	-	-	-	-	-	0.023	9	7914383	563212	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1711	-	-	-	-	-	-	0.076	8.6	7914378	563220	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1713	-	-	-	-	-	-	0.003	8.9	7914375	563229	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1715	-	-	-	-	-	-	0.007	8.8	7914371	563237	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1804	-	-	-	-	-	-	0.015	8.3	7914397	563194	579	10.5	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	570	N1_570_033	1806	-	-	-	-	-	-	0.008	8.6	7914393	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1808	-	-	-	-	-	-	0.004	8.8	7914389	563211	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1810	-	-	-	-	-	-	0.003	9	7914385	563219	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1812	-	-	-	-	-	-	0.014	8.7	7914381	563227	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1814	-	-	-	-	-	-	0.003	8.4	7914377	563235	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1903	-	-	-	-	-	-	0.021	8.3	7914403	563192	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1905	-	-	-	-	-	-	0.016	8.3	7914399	563200	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1907	-	-	-	-	-	-	0.003	8.7	7914395	563208	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1909	-	-	-	-	-	-	0.008	9.3	7914391	563217	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	1911	-	-	-	-	-	-	0.003	8.9	7914387	563225	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2000	-	-	-	-	-	-	0.02	8.5	7914413	563182	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2004	-	-	-	-	-	-	0.01	8.3	7914405	563198	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2006	-	-	-	-	-	-	0.011	8.4	7914401	563206	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2008	-	-	-	-	-	-	0.004	8.6	7914397	563214	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2010	-	-	-	-	-	-	0.007	8.8	7914393	563223	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2012	-	-	-	-	-	-	0.003	8.6	7914389	563231	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2101	-	-	-	-	-	-	0.006	8.7	7914415	563188	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2105	-	-	-	-	-	-	0.007	8.2	7914407	563204	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2107	-	-	-	-	-	-	0.003	8.7	7914403	563212	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2109	-	-	-	-	-	-	0.01	8.4	7914399	563220	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2111	-	-	-	-	-	-	0.003	8.3	7914395	563228	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2113	-	-	-	-	-	-	0.003	8.5	7914391	563237	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2204	-	-	-	-	-	-	0.006	8.5	7914413	563202	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2208	-	-	-	-	-	-	0.003	8.6	7914405	563218	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2210	-	-	-	-	-	-	0.003	8.7	7914401	563226	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2307	-	-	-	-	-	-	0.003	8.6	7914411	563216	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2309	-	-	-	-	-	-	0.008	8.6	7914407	563224	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2311	-	-	-	-	-	-	0.004	8.2	7914403	563232	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2408	-	-	-	-	-	-	0.003	8.6	7914413	563222	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2410	-	-	-	-	-	-	0.003	8.5	7914409	563230	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2412	-	-	-	-	-	-	0.003	8.3	7914405	563239	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2507	-	-	-	-	-	-	0.003	8.6	7914419	563220	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2513	-	-	-	-	-	-	0.003	7.7	7914407	563244	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2601	-	-	-	-	-	-	0.057	8	7914435	563197	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2608	-	-	-	-	-	-	0.003	8.6	7914421	563226	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2610	-	-	-	-	-	-	0.003	8.6	7914417	563234	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	570	N1_570_033	2612	-	-	-	-	-	-	0.003	8.4	7914413	563242	579	10.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	210	-	-	-	-	-	0.02	0.186	8	7914440	563183	591.39	12.89	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	212	-	-	-	-	-	0.03	0.036	8.4	7914433	563180	591.55	13.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	308	-	-	-	-	-	0.05	0.044	8.3	7914436	563184	591.16	12.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	310	-	-	-	-	-	0.01	0.039	8.4	7914427	563180	591.42	12.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1201	-	-	-	-	-	0.2	0.021	6.3	7914457	563204	591.18	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1401	-	-	-	-	-	0.42	0.016	7.2	7914450	563200	591.25	12.75	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1403	-	-	-	-	-	0.56	0.03	7.9	7914445	563206	591.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1602	-	-	-	-	-	0.03	0.07	7.8	7914438	563201	591.38	12.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1608	-	-	-	-	-	0.08	0.003	8.7	7914421	563222	590.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001701	-	-	-	-	-	0.24	0.05	8.1	7914437	563194	591.14	12.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1707	-	-	-	-	-	0.06	0.01	8.5	7914420	563215	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1800	-	-	-	-	-	0.01	0.049	8.2	7914435	563188	591.11	12.61	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	1802	-	-	-	-	-	0.49	0.031	7.5	7914430	563195	591.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001804	-	-	-	-	-	0.97	0.09	7.2	7914425	563201	591.01	12.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001806	-	-	-	-	-	0.09	0.01	8.4	7914420	563209	590.74	12.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001808	-	-	-	-	-	0.1	0.01	8.7	7914414	563216	590.7	12.2	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_021	1901	-	-	-	-	-	0.86	0.048	6.6	7914429	563189	591.07	12.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001905	-	-	-	-	-	0.11	0.03	8.2	7914420	563203	590.83	12.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001907	-	-	-	-	-	0.05	0.01	8.5	7914414	563210	590.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001909	-	-	-	-	-	0.07	0.01	8.7	7914408	563217	590.47	11.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021001911	-	-	-	-	-	0.06	0.01	8.6	7914403	563224	590.61	12.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2002	-	-	-	-	-	0.32	0.069	6.6	7914424	563189	591	12.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2004	-	-	-	-	-	0.87	0.035	8.6	7914418	563197	591.07	12.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2006	-	-	-	-	-	0.07	0.005	8.4	7914413	563204	590.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2008	-	-	-	-	-	0.18	0.003	8.8	7914407	563211	590.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021002010	-	-	-	-	-	0.07	0.01	8.6	7914402	563218	590.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2103	-	-	-	-	-	0.07	0.01	8.9	7914417	563190	590.94	12.44	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2105	-	-	-	-	-	0.09	0.006	8.6	7914413	563199	590.73	12.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2107	-	-	-	-	-	0.07	0.004	8.7	7914406	563205	590.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2109	-	-	-	-	-	0.01	0.01	8.8	7914401	563212	590.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	N1_580_021002201	-	-	-	-	-	0.01	0.01	8.8	7914396	563219	590.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2204	-	-	-	-	-	0.08	0.036	7.7	7914412	563192	590.68	12.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2206	-	-	-	-	-	0.01	0.019	7.9	7914406	563198	590.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2208	-	-	-	-	-	0.01	0.01	8.7	7914400	563205	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2210	-	-	-	-	-	0.01	0.01	8.7	7914395	563213	590.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2305	-	-	-	-	-	0.1	0.01	8.5	7914405	563193	590.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2307	-	-	-	-	-	0.01	0.004	8.7	7914399	563199	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2309	-	-	-	-	-	0.01	0.004	8.7	7914394	563206	590.14	11.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_021	2311	-	-	-	-	-	0.01	0.036	8.5	7914390	563214	590.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1111	-	-	-	-	-	0.01	0.008	8.5	7914388	563201	589.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1113	-	-	-	-	-	0.01	0.024	8.6	7914384	563207	589.58	11.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1208	-	-	-	-	-	0.01	0.041	7.6	7914388	563194	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1210	-	-	-	-	-	0.01	0.019	8.5	7914383	563202	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1307	-	-	-	-	-	0.04	0.16	6.8	7914387	563189	590.13	11.63	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1309	-	-	-	-	-	0.01	0.021	8.1	7914382	563195	589.63	11.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1311	-	-	-	-	-	0.01	0.008	8.6	7914377	563202	589.58	11.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1400	-	-	-	-	-	0.44	0.034	8.4	7914403	563160	591.21	12.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1408	-	-	-	-	-	0.01	0.069	8	7914381	563189	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1410	-	-	-	-	-	0.01	0.016	8.3	7914376	563196	589.49	10.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1501	-	-	-	-	-	0.02	0.031	8	7914396	563161	590.95	12.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1509	-	-	-	-	-	0.01	0.014	8.2	7914375	563190	589.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1511	-	-	-	-	-	0.04	0.046	8.2	7914369	563197	589.37	10.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1600	-	-	-	-	-	0.31	0.079	7.7	7914396	563155	591.07	12.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1608	-	-	-	-	-	0.01	0.057	7.5	7914374	563184	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1610	-	-	-	-	-	0.01	0.021	8.2	7914369	563191	589.44	10.93	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1709	-	-	-	-	-	0.04	0.04	8	7914368	563185	589.71	11.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1711	-	-	-	-	-	0.05	0.018	8.4	7914362	563192	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1806	-	-	-	-	-	0.76	0.062	7.4	7914372	563171	590.54	12.04	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1810	-	-	-	-	-	0.01	0.016	8.5	7914361	563185	589.36	10.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1905	-	-	-	-	-	0.08	0.036	7.3	7914371	563165	590.76	12.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	1911	-	-	-	-	-	0.06	0.022	8.3	7914355	563186	589.4	10.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	2010	-	-	-	-	-	0.05	0.05	7.6	7914354	563180	589.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	2111	-	-	-	-	-	0.02	0.017	8.4	7914348	563181	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	2311	-	-	-	-	-	0.01	0.046	8.1	7914341	563176	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_023	2411	-	-	-	-	-	1.08	0.099	8.2	7914337	563173	589.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_025	219	-	-	-	-	-	0.01	0.02	8.3	7914440	563141	591.36	12.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_025	318	-	-	-	-	-	0.02	0.01	7.7	7914455	563152	591.66	13.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1014	-	-	-	-	-	0.04	0.11	7.2	7914342	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1018	-	-	-	-	-	0.15	0.18	6.8	7914333	563167	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_027	1117	-	-	-	-	-	0.08	0.044	8.4	7914333	563163	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1315	-	-	-	-	-	0.1	0.118	7.7	7914328	563164	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1412	-	-	-	-	-	0.31	0.133	7.1	7914330	563149	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1414	-	-	-	-	-	0.13	0.1	7.6	7914326	563157	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1511	-	-	-	-	-	0.05	0.07	8	7914328	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1515	-	-	-	-	-	0.07	0.071	8.1	7914320	563159	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1614	-	-	-	-	-	0.06	0.064	8.2	7914318	563153	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1715	-	-	-	-	-	0.05	0.061	8	7914312	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1814	-	-	-	-	-	0.03	0.062	8.1	7914310	563149	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1913	-	-	-	-	-	0.03	0.099	7.4	7914308	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	1915	-	-	-	-	-	0.04	0.055	8.1	7914304	563151	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2008	-	-	-	-	-	0.11	0.103	6.1	7914315	563121	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2014	-	-	-	-	-	0.04	0.08	7.9	7914302	563144	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2113	-	-	-	-	-	0.03	0.052	8	7914300	563138	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2115	-	-	-	-	-	0.03	0.032	8.2	7914296	563146	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2214	-	-	-	-	-	0.17	0.074	8.2	7914294	563140	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2315	-	-	-	-	-	0.06	0.085	8.2	7914288	563142	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2406	-	-	-	-	-	0.1	0.098	6	7914304	563104	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2414	-	-	-	-	-	0.08	0.091	7.8	7914286	563136	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2503	-	-	-	-	-	0.03	0.026	6.3	7914306	563090	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2515	-	-	-	-	-	0.11	0.042	7.9	7914280	563138	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2614	-	-	-	-	-	0.07	0.052	7.8	7914278	563131	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2715	-	-	-	-	-	0.01	0.08	8.2	7914272	563133	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2802	-	-	-	-	-	0.01	0.013	7.4	7914296	563080	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2814	-	-	-	-	-	0.09	0.102	7	7914270	563127	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	2915	-	-	-	-	-	0.07	0.049	8.3	7914264	563129	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	3014	-	-	-	-	-	0.03	0.064	8.4	7914262	563123	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_027	3015	-	-	-	-	-	0.08	0.062	8.4	7914260	563127	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_029	1904	-	-	-	-	-	0.06	0.009	7	7914245	563066	591.71	13.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_029	2211	-	-	-	-	-	0.12	0.012	8.4	7914218	563089	590.79	12.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_029	2310	-	-	-	-	-	0.13	0.075	6.6	7914216	563083	590.89	12.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_031	1011	-	-	-	-	-	0.03	0.06	6.8	7914208	563082	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_031	1107	-	-	-	-	-	0.17	0.008	6.5	7914213	563066	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_031	1311	-	-	-	-	-	0.02	0.024	6.6	7914197	563080	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_031	1610d	-	-	-	-	-	0.05	0.003	6.5	7914187	563070	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_031	2107	-	-	-	-	-	0.03	0.011	7.1	7914172	563049	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1004	-	-	-	-	-	0.01	0.021	8.3	7914220	563151	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1006	-	-	-	-	-	0.01	0.012	8.5	7914226	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1007	-	-	-	-	-	0.01	0.072	8.4	7914229	563156	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1008	-	-	-	-	-	0.07	0.007	8.7	7914232	563158	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1010	-	-	-	-	-	0.03	0.086	8.3	7914238	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1010	-	-	-	-	-	0.03	0.086	8.3	7914238	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1012	-	-	-	-	-	0.03	0.063	7.4	7914244	563166	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1014	-	-	-	-	-	0.14	0.006	8.4	7914250	563169	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1016	-	-	-	-	-	0.03	0.003	8.4	7914256	563173	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1018	-	-	-	-	-	0.02	0.011	8.4	7914262	563176	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1020	-	-	-	-	-	0.07	0.012	8.4	7914268	563180	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1102	-	-	-	-	-	0.01	0.009	8.5	7914213	563150	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1105	-	-	-	-	-	0.01	0.056	8.4	7914222	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1107	-	-	-	-	-	0.02	0.02	8.6	7914228	563159	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1109	-	-	-	-	-	0.02	0.049	8.5	7914234	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1111	-	-	-	-	-	0.01	0.016	8.2	7914240	563166	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1113	-	-	-	-	-	0.01	0.003	7.6	7914246	563170	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_032R	1115	-	-	-	-	-	0.12	0.008	8.3	7914252	563173	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1117	-	-	-	-	-	0.01	0.003	9	7914258	563177	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1119	-	-	-	-	-	0.03	0.017	8.3	7914264	563180	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1203	-	-	-	-	-	0.1	0.008	8.3	7914214	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1206	-	-	-	-	-	0.01	0.008	8.7	7914223	563161	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1208	-	-	-	-	-	0.01	0.105	8.5	7914229	563164	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1210	-	-	-	-	-	0.02	0.007	7.9	7914235	563167	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1212	-	-	-	-	-	0.01	0.004	8.6	7914241	563171	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1214	-	-	-	-	-	0.02	0.01	8.2	7914247	563175	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1216	-	-	-	-	-	0.11	0.006	8.4	7914253	563178	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1218	-	-	-	-	-	0.01	0.003	8.7	7914259	563182	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1220	-	-	-	-	-	0.01	0.005	8.6	7914265	563186	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1303	-	-	-	-	-	0.03	0.014	8.5	7914212	563158	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1305	-	-	-	-	-	0.03	0.038	8.1	7914218	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1307	-	-	-	-	-	0.01	0.02	8.3	7914224	563165	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1313	-	-	-	-	-	0.02	0.007	8.4	7914242	563176	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1315	-	-	-	-	-	0.01	0.003	8.3	7914248	563180	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1317	-	-	-	-	-	0.03	0.01	8.4	7914254	563184	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1319	-	-	-	-	-	0.01	0.003	8.4	7914260	563187	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1406	-	-	-	-	-	0.02	0.003	7.7	7914219	563167	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1412	-	-	-	-	-	0.01	0.003	8.3	7914237	563177	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_032R	1418	-	-	-	-	-	0.02	0.009	8.1	7914255	563188	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1001	-	-	-	-	-	0.01	0.006	8.1	7914230	563106	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1004	-	-	-	-	-	0.04	0.005	7.8	7914241	563110	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1006	-	-	-	-	-	0.01	0.026	6.3	7914248	563114	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1012	-	-	-	-	-	0.14	0.05	8.3	7914254	563134	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1014	-	-	-	-	-	0.12	0.02	8.3	7914261	563139	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1016	-	-	-	-	-	0.08	0.046	7.5	7914268	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1019	-	-	-	-	-	0.07	0.04	8.2	7914278	563149	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1021	-	-	-	-	-	0.07	0.106	8.6	7914285	563153	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1100	-	-	-	-	-	0.63	0.024	7.8	7914225	563106	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1102	-	-	-	-	-	0.63	0.014	7.3	7914233	563109	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1105	-	-	-	-	-	0.59	0.01	8.8	7914244	563114	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1107	-	-	-	-	-	0.04	0.167	6.5	7914250	563118	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1109	-	-	-	-	-	0.06	0.031	8.5	7914249	563123	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1113	-	-	-	-	-	0.2	0.02	8.6	7914256	563139	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1115	-	-	-	-	-	0.1	0.036	8.5	7914263	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1117	-	-	-	-	-	0.06	0.129	8.1	7914270	563147	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1120	-	-	-	-	-	0.2	0.039	8.7	7914280	563154	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1122	-	-	-	-	-	0.07	0.045	8.4	7914287	563158	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1201	-	-	-	-	-	0.59	0.031	7.5	7914227	563112	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1203	-	-	-	-	-	0.72	0.03	6.7	7914235	563115	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1205	-	-	-	-	-	0.02	0.018	8.3	7914243	563119	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1300	-	-	-	-	-	0.03	0.038	8.5	7914221	563114	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1302	-	-	-	-	-	0.02	0.034	8.2	7914229	563118	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1304	-	-	-	-	-	0.02	0.02	8.3	7914238	563121	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1306	-	-	-	-	-	0.04	0.006	8.7	7914245	563125	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1401	-	-	-	-	-	0.05	0.044	8.7	7914223	563120	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1403	-	-	-	-	-	0.04	0.021	8.5	7914232	563124	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1405	-	-	-	-	-	0.02	0.005	8.7	7914240	563127	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1407	-	-	-	-	-	0.01	0.015	8.8	7914247	563132	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1500	-	-	-	-	-	0.01	0.014	8.7	7914217	563122	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1502	-	-	-	-	-	0.02	0.021	8.7	7914226	563126	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_033	1504	-	-	-	-	-	0.02	0.006	8.7	7914234	563130	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1506	-	-	-	-	-	0.02	0.012	8.6	7914242	563134	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1508	-	-	-	-	-	0.02	0.01	8.7	7914249	563139	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1510	-	-	-	-	-	0.08	0.007	8.5	7914257	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1512	-	-	-	-	-	0.11	0.09	8.4	7914264	563149	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1514	-	-	-	-	-	0.11	0.062	8.6	7914272	563153	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1516	-	-	-	-	-	0.11	0.027	8.6	7914279	563158	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1518	-	-	-	-	-	0.06	0.128	8.5	7914287	563163	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1601	-	-	-	-	-	0.16	0.009	8.6	7914220	563128	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1603	-	-	-	-	-	0.1	0.006	8.7	7914228	563132	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1605	-	-	-	-	-	0.11	0.047	8.7	7914236	563136	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1607	-	-	-	-	-	0.21	0.022	8.9	7914243	563141	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1609	-	-	-	-	-	0.1	0.013	8.8	7914251	563145	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1611	-	-	-	-	-	0.1	0.063	8.7	7914259	563150	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1613	-	-	-	-	-	0.12	0.013	8.8	7914266	563155	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1615	-	-	-	-	-	0.09	0.053	8.8	7914274	563160	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1617	-	-	-	-	-	0.05	0.04	8.5	7914281	563165	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1700	-	-	-	-	-	0.14	0.015	8.6	7914214	563130	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1702	-	-	-	-	-	0.11	0.008	8.6	7914222	563134	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1704	-	-	-	-	-	0.2	0.021	8.5	7914230	563138	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1706	-	-	-	-	-	0.08	0.05	8.6	7914237	563142	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1708	-	-	-	-	-	0.18	0.027	8.5	7914245	563147	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1710	-	-	-	-	-	0.12	0.04	8.5	7914253	563152	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1712	-	-	-	-	-	0.12	0.013	8.5	7914260	563157	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1714	-	-	-	-	-	0.08	0.145	8.6	7914268	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1716	-	-	-	-	-	0.13	0.156	8.3	7914276	563166	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1718	-	-	-	-	-	0.11	0.076	8.4	7914283	563171	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1900	-	-	-	-	-	0.11	0.026	8.2	7914214	563135	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1902	-	-	-	-	-	0.15	0.037	8.4	7914222	563139	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1804	-	-	-	-	-	0.16	0.004	8.4	7914231	563144	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1806	-	-	-	-	-	0.12	0.076	8.5	7914238	563148	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1808	-	-	-	-	-	0.15	0.006	8.5	7914247	563153	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1810	-	-	-	-	-	0.08	0.178	8.5	7914254	563157	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1812	-	-	-	-	-	0.06	0.021	8.8	7914262	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1814	-	-	-	-	-	0.07	0.057	8.8	7914268	563167	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	1816	-	-	-	-	-	0.08	0.057	8.9	7914275	563172	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2001	-	-	-	-	-	0.15	0.148	8.5	7914217	563140	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2003	-	-	-	-	-	0.17	0.023	8.4	7914225	563144	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2005	-	-	-	-	-	0.2	0.18	8.2	7914233	563148	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2007	-	-	-	-	-	0.21	0.17	8.5	7914241	563153	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2009	-	-	-	-	-	0.15	0.094	8.6	7914249	563158	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_033	2011	-	-	-	-	-	0.19	0.131	8.5	7914256	563162	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1000	-	-	-	-	-	0.04	0.008	8.6	7914380	563216	590.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1002	-	-	-	-	-	0.08	0.007	8.5	7914372	563211	589.8	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1004	-	-	-	-	-	0.08	0.007	8.5	7914365	563207	589.72	11.22	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1006	-	-	-	-	-	0.06	0.046	8.2	7914358	563201	589.51	11.01	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1008	-	-	-	-	-	0.06	0.008	8.4	7914351	563196	589.49	10.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1010	-	-	-	-	-	0.07	0.01	8.5	7914343	563191	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1012	-	-	-	-	-	0.06	0.03	8.4	7914335	563185	589.78	11.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1014	-	-	-	-	-	0.02	0.022	8.3	7914329	563179	589.89	11.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1016	-	-	-	-	-	0.06	0.064	8.3	7914321	563174	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1018	-	-	-	-	-	0.03	0.05	8.2	7914314	563169	590.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1020	-	-	-	-	-	0.06	0.084	8.2	7914307	563164	590.26	11.76	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_035	1024	-	-	-	-	-	0.07	0.08	8.4	7914294	563170	590.6	12.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1026	-	-	-	-	-	0.13	0.158	8.4	7914288	563177	590.69	12.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1028	-	-	-	-	-	0.02	0.08	8.6	7914284	563183	590.56	12.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1030	-	-	-	-	-	0.1	0.031	8.7	7914290	563188	590.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1032	-	-	-	-	-	0.2	0.03	8.4	7914297	563194	590.27	11.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1036	-	-	-	-	-	0.01	0.03	8.3	7914311	563205	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1040	-	-	-	-	-	0.01	0.012	8.5	7914325	563216	590.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1042	-	-	-	-	-	0.01	0.005	8.4	7914332	563222	589.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1044	-	-	-	-	-	0.15	0.012	8.7	7914339	563227	589.04	10.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1046	-	-	-	-	-	0.41	0.014	8.9	7914347	563232	589.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1048	-	-	-	-	-	0.08	0.014	8.6	7914355	563238	589.97	11.47	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1050	-	-	-	-	-	0.06	0.012	8.7	7914361	563243	590.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1101	-	-	-	-	-	0.06	0.006	8.6	7914374	563216	589.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1103	-	-	-	-	-	0.07	0.003	8.6	7914367	563211	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1105	-	-	-	-	-	0.13	0.004	8.6	7914359	563206	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1107	-	-	-	-	-	0.15	0.014	8.5	7914353	563200	589.47	10.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1109	-	-	-	-	-	0.05	0.02	8.3	7914345	563196	589.4	10.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1111	-	-	-	-	-	0.07	0.008	8.7	7914338	563191	589.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1113	-	-	-	-	-	0.02	0.03	8.3	7914330	563185	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1115	-	-	-	-	-	0.04	0.018	8.5	7914323	563179	589.97	11.47	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1117	-	-	-	-	-	0.01	0.028	8.2	7914316	563174	590.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1119	-	-	-	-	-	0.05	0.048	8.4	7914309	563169	590.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1121	-	-	-	-	-	0.01	0.037	8.2	7914301	563165	590.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1123	-	-	-	-	-	0.04	0.11	8.4	7914299	563168	590.59	12.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1125	-	-	-	-	-	0.02	0.088	8.6	7914293	563175	590.77	12.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1127	-	-	-	-	-	0.03	0.057	8.5	7914288	563181	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1129	-	-	-	-	-	0.01	0.03	8.6	7914288	563184	590.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1131	-	-	-	-	-	0.01	0.055	8.3	7914295	563189	590.73	12.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1133	-	-	-	-	-	0.3	0.02	8.6	7914302	563195	590.07	11.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1135	-	-	-	-	-	0.19	0.021	8.4	7914309	563200	590.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1137	-	-	-	-	-	0.07	0.016	8	7914317	563205	589.88	11.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1141	-	-	-	-	-	0.09	0.014	8.5	7914330	563217	589.33	10.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1143	-	-	-	-	-	0.11	0.013	8.6	7914337	563223	589.35	10.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1145	-	-	-	-	-	0.29	0.014	8.8	7914346	563227	589.28	10.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1147	-	-	-	-	-	0.05	0.003	8.9	7914353	563233	590.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1149	-	-	-	-	-	0.06	0.014	8.6	7914359	563238	590.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1200	-	-	-	-	-	0.06	0.003	8.4	7914376	563223	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1202	-	-	-	-	-	0.07	0.003	8.5	7914369	563217	589.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1204	-	-	-	-	-	0.08	0.003	8.5	7914362	563212	589.53	11.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1206	-	-	-	-	-	0.11	0.003	8.5	7914354	563207	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1208	-	-	-	-	-	0.09	0.021	8.3	7914347	563201	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1210	-	-	-	-	-	0.09	0.008	8.3	7914340	563196	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1212	-	-	-	-	-	0.07	0.089	8.4	7914332	563191	589.61	11.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1214	-	-	-	-	-	0.11	0.019	8.5	7914325	563185	589.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1216	-	-	-	-	-	0.04	0.106	8.2	7914318	563180	589.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1218	-	-	-	-	-	0.09	0.056	8.4	7914311	563175	589.98	11.48	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1220	-	-	-	-	-	0.03	0.102	8.4	7914303	563170	590.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1301	-	-	-	-	-	0.08	0.006	8.5	7914370	563224	590.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1303	-	-	-	-	-	0.01	0.003	8.7	7914363	563218	589.9	11.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1305	-	-	-	-	-	0.04	0.003	8.5	7914355	563213	589.28	10.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1307	-	-	-	-	-	0.05	0.003	8.4	7914348	563208	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1309	-	-	-	-	-	0.11	0.017	8.3	7914341	563203	589.29	10.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1311	-	-	-	-	-	0.23	0.018	8.4	7914334	563197	589.51	11.01	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_035	1313	-	-	-	-	-	0.08	0.014	8.4	7914326	563192	589.78	11.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1315	-	-	-	-	-	0.07	0.069	8.4	7914319	563186	589.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1317	-	-	-	-	-	0.05	0.094	8.4	7914312	563181	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1319	-	-	-	-	-	0.03	0.187	8.5	7914304	563175	590.58	12.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1406	-	-	-	-	-	0.05	0.008	8.4	7914349	563214	589.27	10.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1406	-	-	-	-	-	0.05	0.008	8.4	7914349	563214	589.27	10.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1408	-	-	-	-	-	0.24	0.032	8.2	7914342	563208	589.23	10.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1410	-	-	-	-	-	0.17	0.024	8.3	7914334	563203	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1412	-	-	-	-	-	0.17	0.04	8.4	7914327	563198	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1414	-	-	-	-	-	0.15	0.021	8.4	7914320	563192	589.57	11.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1416	-	-	-	-	-	0.03	0.063	8.3	7914313	563187	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1418	-	-	-	-	-	0.04	0.063	8.4	7914306	563182	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1420	-	-	-	-	-	0.1	0.035	8.5	7914298	563176	590.58	12.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1501	-	-	-	-	-	0.06	0.007	8.4	7914364	563231	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1503	-	-	-	-	-	0.32	0.008	8.9	7914357	563226	589.47	10.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1505	-	-	-	-	-	0.05	0.003	9	7914350	563220	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1507	-	-	-	-	-	0.04	0.013	8.9	7914343	563215	589.13	10.63	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1509	-	-	-	-	-	0.05	0.007	8.5	7914335	563210	589.06	10.56	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1511	-	-	-	-	-	0.02	0.005	8.4	7914328	563204	589.53	11.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1513	-	-	-	-	-	0.24	0.012	8.5	7914321	563199	589.62	11.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1515	-	-	-	-	-	0.2	0.033	8.7	7914314	563194	589.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1515	-	-	-	-	-	0.2	0.033	8.7	7914314	563194	589.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1517	-	-	-	-	-	0.07	0.025	8.5	7914306	563188	590.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1519	-	-	-	-	-	0.07	0.15	8.6	7914299	563183	590.73	12.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1600	-	-	-	-	-	0.08	0.009	8.9	7914365	563237	590.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1602	-	-	-	-	-	0.13	0.009	8.6	7914359	563231	589.93	11.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1604	-	-	-	-	-	0.28	0.008	9	7914351	563226	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1606	-	-	-	-	-	0.16	0.008	8.7	7914344	563221	589.09	10.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1608	-	-	-	-	-	0.14	0.012	8.6	7914336	563216	589.2	10.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1610	-	-	-	-	-	0.04	0.016	8.4	7914329	563210	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1612	-	-	-	-	-	0.1	0.008	8.4	7914322	563205	589.51	11.01	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1614	-	-	-	-	-	0.06	0.006	8.5	7914315	563200	589.9	11.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1616	-	-	-	-	-	0.13	0.027	8.3	7914307	563195	590.19	11.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1618	-	-	-	-	-	0.05	0.073	8.7	7914300	563189	590.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_035	1620	-	-	-	-	-	0.06	0.037	8.5	7914292	563183	590.68	12.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1002	-	-	-	-	-	0.02	0.012	8.2	7914206	563130	590.36	11.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1004	-	-	-	-	-	0.08	0.042	8.3	7914209	563121	590.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1006d	-	-	-	-	-	0.09	0.021	8.3	7914213	563113	590.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1006	-	-	-	-	-	0.07	0.017	8.4	7914213	563113	590.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1008	-	-	-	-	-	0.22	0.018	8.3	7914217	563105	590.27	11.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1010	-	-	-	-	-	0.05	0.024	7.9	7914220	563098	590.71	12.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1012	-	-	-	-	-	0.05	0.04	8.1	7914212	563094	590.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1014	-	-	-	-	-	0.05	0.116	7.5	7914204	563091	590.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1016	-	-	-	-	-	0.03	0.137	6.7	7914197	563087	590.25	11.75	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1101	-	-	-	-	-	0.02	0.017	8.2	7914203	563133	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1103	-	-	-	-	-	0.06	0.01	8.2	7914205	563125	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1105	-	-	-	-	-	0.06	0.013	8.3	7914209	563116	590.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1107	-	-	-	-	-	0.05	0.021	8.3	7914213	563108	590.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1109	-	-	-	-	-	0.05	0.008	8.6	7914217	563101	590.67	12.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1111	-	-	-	-	-	0.05	0.055	7.6	7914215	563098	590.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1113	-	-	-	-	-	0.03	0.019	8.2	7914207	563095	590.32	11.82	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1117	-	-	-	-	-	0.05	0.022	8.5	7914192	563088	590.07	11.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1121	-	-	-	-	-	0.01	0.012	6.4	7914175	563080	590.17	11.67	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_037	1200	-	-	-	-	-	0.07	0.018	8.4	7914212	563102	590.06	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1202	-	-	-	-	-	0.06	0.012	8.4	7914204	563098	590.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1204	-	-	-	-	-	0.06	0.043	8.1	7914196	563094	590.14	11.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1206	-	-	-	-	-	0.02	0.023	7.6	7914187	563091	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1301	-	-	-	-	-	0.06	0.034	8.3	7914206	563104	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1303	-	-	-	-	-	0.05	0.012	8.5	7914198	563100	590.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1305	-	-	-	-	-	0.09	0.017	8.5	7914189	563096	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1307	-	-	-	-	-	0.01	0.045	7.1	7914181	563093	589.99	11.49	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1400	-	-	-	-	-	0.06	0.003	8.4	7914208	563110	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1402	-	-	-	-	-	0.05	0.004	8.3	7914200	563106	590.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1404	-	-	-	-	-	0.04	0.01	8.2	7914192	563103	590.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1406	-	-	-	-	-	0.02	0.05	8.5	7914183	563099	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1408	-	-	-	-	-	0.05	0.016	7.6	7914175	563095	589.89	11.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1501	-	-	-	-	-	0.07	0.027	8.3	7914202	563112	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1503	-	-	-	-	-	0.05	0.01	8.3	7914194	563108	590.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1505	-	-	-	-	-	0.03	0.035	8.3	7914186	563105	590.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1507	-	-	-	-	-	0.04	0.044	8.2	7914178	563101	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1509	-	-	-	-	-	0.05	0.01	7.3	7914169	563097	589.56	11.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1600	-	-	-	-	-	0.05	0.004	8.4	7914204	563118	590.13	11.63	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1602	-	-	-	-	-	0.04	0.017	8.4	7914196	563114	590.44	11.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1604	-	-	-	-	-	0.05	0.008	8.3	7914188	563111	590.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1606	-	-	-	-	-	0.01	0.062	8.2	7914179	563107	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1608	-	-	-	-	-	0.03	0.046	8.4	7914171	563103	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1701	-	-	-	-	-	0.05	0.099	8.2	7914198	563120	590.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1703	-	-	-	-	-	0.05	0.02	8.3	7914190	563117	590.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1705	-	-	-	-	-	0.06	0.046	8.3	7914182	563113	590.47	11.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1707	-	-	-	-	-	0.01	0.008	8.3	7914174	563109	590.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1709	-	-	-	-	-	0.03	0.007	7.7	7914165	563106	589.89	11.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1711	-	-	-	-	-	0.04	0.003	8	7914157	563102	589.33	10.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1800	-	-	-	-	-	0.03	0.114	8.2	7914200	563126	590.13	11.63	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1802	-	-	-	-	-	0.02	0.042	8.3	7914192	563123	590.43	11.93	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1804	-	-	-	-	-	0.03	0.053	8.3	7914184	563119	590.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1806	-	-	-	-	-	0.01	0.026	8.3	7914176	563115	590.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1808	-	-	-	-	-	0.06	0.018	8.3	7914168	563112	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1812	-	-	-	-	-	0.06	0.074	8.4	7914151	563104	589.24	10.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1814	-	-	-	-	-	0.05	0.008	8.2	7914143	563100	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1901	-	-	-	-	-	0.03	0.052	8.1	7914195	563128	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1903	-	-	-	-	-	0.03	0.087	8.2	7914186	563125	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1905	-	-	-	-	-	0.06	0.082	8.1	7914178	563121	590.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1907	-	-	-	-	-	0.4	0.078	8.3	7914170	563117	590.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1909	-	-	-	-	-	0.01	0.003	8.2	7914162	563114	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1911	-	-	-	-	-	0.01	0.037	8.3	7914154	563110	589.32	10.82	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1913	-	-	-	-	-	0.02	0.009	8.5	7914145	563106	589.39	10.89	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	1915	-	-	-	-	-	0.01	0.03	8.4	7914137	563103	589.58	11.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2000	-	-	-	-	-	0.07	0.125	8.3	7914196	563135	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2001	-	-	-	-	-	0.04	0.096	8.1	7914192	563133	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2002	-	-	-	-	-	0.06	0.005	8.1	7914189	563130	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2004	-	-	-	-	-	0.06	0.019	8.2	7914180	563127	590.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2006	-	-	-	-	-	0.05	0.026	8.2	7914172	563123	590.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2008	-	-	-	-	-	0.07	0.003	8.3	7914164	563120	589.94	11.44	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2010	-	-	-	-	-	0.02	0.047	7.9	7914156	563116	589.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2012	-	-	-	-	-	0.01	0.003	8.4	7914147	563112	589.34	10.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2014	-	-	-	-	-	0.01	0.122	8.3	7914139	563108	589.55	11.05	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_037	2103	-	-	-	-	-	0.04	0.02	8.2	7914183	563132	590.06	11.56	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2105	-	-	-	-	-	0.04	0.032	8.3	7914174	563129	590.59	12.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2107	-	-	-	-	-	0.05	0.004	8.3	7914166	563126	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2109	-	-	-	-	-	0.01	0.072	8	7914158	563122	589.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2111	-	-	-	-	-	0.01	0.014	8.1	7914149	563119	589.96	11.46	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2113	-	-	-	-	-	0.01	0.148	8.2	7914141	563114	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2115	-	-	-	-	-	0.01	0.011	8.3	7914133	563111	589.49	10.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2209	-	-	-	-	-	0.01	0.009	7.9	7914156	563125	589.76	11.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2211	-	-	-	-	-	0.01	0.008	8.1	7914148	563123	589.8	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2212	-	-	-	-	-	0.01	0.021	8.4	7914143	563122	589.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2214	-	-	-	-	-	0.01	0.005	8.3	7914135	563115	589.76	11.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	2313	-	-	-	-	-	0.01	0.006	8.2	7914138	563121	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3000	-	-	-	-	-	0.01	0.176	8.1	7914201	563144	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3002	-	-	-	-	-	0.01	0.052	8.6	7914194	563140	590.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3004	-	-	-	-	-	0.01	0.038	8.2	7914185	563138	590.39	11.89	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3006	-	-	-	-	-	0.01	0.013	8.4	7914177	563135	590.69	12.19	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3008	-	-	-	-	-	0.01	0.018	8.5	7914167	563133	590.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3010	-	-	-	-	-	0.01	0.003	8.4	7914159	563131	590.48	11.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3012	-	-	-	-	-	0.16	0.005	8.2	7914150	563129	590.3	11.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3014	-	-	-	-	-	0.11	0.007	8.5	7914141	563127	590.19	11.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3016	-	-	-	-	-	0.01	0.008	8.2	7914133	563124	590.48	11.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3101	-	-	-	-	-	0.01	0.142	8.4	7914198	563141	590.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3103	-	-	-	-	-	0.13	0.148	8.5	7914190	563138	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3105	-	-	-	-	-	0.05	0.009	8.3	7914181	563135	590.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3107	-	-	-	-	-	0.01	0.018	8.3	7914172	563133	590.69	12.19	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3109	-	-	-	-	-	0.01	0.009	8.4	7914164	563130	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3111	-	-	-	-	-	0.01	0.07	8.3	7914155	563129	590.14	11.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3113	-	-	-	-	-	0.01	0.003	8.3	7914146	563127	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3115	-	-	-	-	-	0.01	0.017	8.4	7914138	563124	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_037	3117	-	-	-	-	-	0.01	0.003	8.2	7914129	563121	590.72	12.22	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1011	-	-	-	-	-	0.01	0.003	8.3	7914438	563275	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1017	-	-	-	-	-	0.05	0.006	7.9	7914423	563254	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1023	-	-	-	-	-	0.04	0.004	8.1	7914402	563236	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1025	-	-	-	-	-	0.07	0.006	8.5	7914396	563229	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1027	-	-	-	-	-	0.03	0.003	8.5	7914389	563223	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1036	-	-	-	-	-	0.17	0.02	8.4	7914369	563249	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1038	-	-	-	-	-	0.07	0.014	8.3	7914375	563255	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1044	-	-	-	-	-	0.25	0.017	8.6	7914394	563274	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1046	-	-	-	-	-	0.17	0.018	8.7	7914400	563281	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1048	-	-	-	-	-	0.2	0.016	8.4	7914406	563288	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1120	-	-	-	-	-	0.05	0.003	7.8	7914412	563245	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1120	-	-	-	-	-	0.05	0.003	7.8	7914412	563245	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1124	-	-	-	-	-	0.07	0.003	8	7914398	563234	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1128	-	-	-	-	-	0.03	0.009	8.4	7914384	563221	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1137	-	-	-	-	-	0.13	0.014	8.2	7914374	563250	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1141	-	-	-	-	-	0.15	0.01	8.2	7914387	563263	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1145	-	-	-	-	-	0.19	0.015	8.4	7914399	563276	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1147	-	-	-	-	-	0.31	0.018	8.4	7914405	563283	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1148	-	-	-	-	-	0.39	0.014	8.5	7914408	563286	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1149	-	-	-	-	-	0.24	0.014	8.4	7914411	563289	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1150	-	-	-	-	-	0.19	0.015	8.3	7914414	563293	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1323	-	-	-	-	-	0.09	0.003	8.5	7914395	563238	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1325	-	-	-	-	-	0.01	0.003	8.5	7914388	563231	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_039R	1327	-	-	-	-	-	0.01	0.003	8.4	7914381	563225	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1424	-	-	-	-	-	0.07	0.005	8.2	7914388	563238	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1426	-	-	-	-	-	0.01	0.003	8.4	7914381	563232	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1513	-	-	-	-	-	0.08	0.018	7.5	7914420	563277	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1527	-	-	-	-	-	0.06	0.014	8	7914374	563233	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1614	-	-	-	-	-	0.17	0.006	8.2	7914413	563277	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1618	-	-	-	-	-	0.11	0.005	7.7	7914401	563263	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1620	-	-	-	-	-	0.07	0.007	8	7914395	563257	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1622	-	-	-	-	-	0.07	0.007	7.7	7914388	563251	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1626	-	-	-	-	-	0.11	0.013	8	7914375	563239	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1713	-	-	-	-	-	0.2	0.009	8.3	7914413	563283	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1715	-	-	-	-	-	0.18	0.01	8.3	7914406	563277	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1717	-	-	-	-	-	0.16	0.012	8.1	7914401	563270	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1717	-	-	-	-	-	0.16	0.012	8.1	7914401	563270	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1719	-	-	-	-	-	0.15	0.008	7.8	7914394	563264	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1721	-	-	-	-	-	0.21	0.011	8.1	7914388	563257	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_039R	1725	-	-	-	-	-	0.11	0.008	8.2	7914375	563246	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1003	-	-	-	-	-	0.01	0.119	8.2	7914063	563128	584.56	6.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1200	-	-	-	-	-	0.01	0.079	6.6	7914074	563125	585.02	6.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1202	-	-	-	-	-	0.01	0.176	7.5	7914068	563124	584.79	6.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1204	-	-	-	-	-	0.01	0.012	8	7914061	563124	584.73	6.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1301	-	-	-	-	-	0.01	0.043	7.3	7914071	563122	585.27	6.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_040	1303	-	-	-	-	-	0.01	0.055	8	7914064	563122	584.56	6.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1016	-	-	-	-	-	0.01	0.003	8.1	7914133	563094	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1020	-	-	-	-	-	0.01	0.04	7.7	7914126	563109	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1022	-	-	-	-	-	0.01	0.065	7.9	7914123	563116	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1024	-	-	-	-	-	0.01	0.004	8.4	7914120	563124	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1117	-	-	-	-	-	0.01	0.003	8.6	7914129	563097	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1119	-	-	-	-	-	0.02	0.003	8.2	7914126	563104	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1121	-	-	-	-	-	0.01	0.008	8.1	7914122	563112	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1123	-	-	-	-	-	0.01	0.188	8.1	7914119	563119	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1214	-	-	-	-	-	0.06	0.01	7.5	7914126	563093	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1216	-	-	-	-	-	0.03	0.003	8.3	7914123	563101	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1218	-	-	-	-	-	0.03	0.004	8.4	7914119	563110	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1219	-	-	-	-	-	0.01	0.008	8.2	7914117	563114	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1315	-	-	-	-	-	0.01	0.003	8.2	7914121	563096	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1317	-	-	-	-	-	0.09	0.003	8.3	7914117	563104	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1318	-	-	-	-	-	0.01	0.062	8.2	7914116	563108	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1320	-	-	-	-	-	0.02	0.14	8.3	7914112	563117	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1416	-	-	-	-	-	0.01	0.012	8.4	7914115	563098	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1418	-	-	-	-	-	0.01	0.003	8.4	7914112	563106	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1517	-	-	-	-	-	0.04	0.003	8.4	7914109	563101	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1519	-	-	-	-	-	0.01	0.135	8.3	7914106	563108	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1521	-	-	-	-	-	0.01	0.085	8.2	7914103	563115	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1616	-	-	-	-	-	0.02	0.003	7.6	7914107	563095	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1618	-	-	-	-	-	0.06	0.003	8.2	7914103	563103	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1620	-	-	-	-	-	0.04	0.03	8.4	7914100	563111	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1717	-	-	-	-	-	0.08	0.003	8.3	7914101	563097	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1719	-	-	-	-	-	0.01	0.008	8.5	7914097	563105	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1721	-	-	-	-	-	0.01	0.03	8.4	7914094	563114	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1818	-	-	-	-	-	0.01	0.007	8.4	7914095	563099	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1820	-	-	-	-	-	0.01	0.003	8.4	7914092	563107	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1822	-	-	-	-	-	0.01	0.068	7.8	7914089	563114	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_041	1917	-	-	-	-	-	0.04	0.003	7.7	7914093	563093	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1919	-	-	-	-	-	0.01	0.003	8.5	7914089	563102	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	1921	-	-	-	-	-	0.01	0.077	8.2	7914086	563110	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2018	-	-	-	-	-	0.01	0.003	8.3	7914087	563096	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2020	-	-	-	-	-	0.01	0.006	8	7914083	563104	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2105	-	-	-	-	-	0.06	0.011	7.2	7914106	563040	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2119	-	-	-	-	-	0.01	0.003	8.3	7914081	563098	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2121	-	-	-	-	-	0.01	0.005	8.4	7914077	563106	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2218	-	-	-	-	-	0.01	0.003	8.1	7914079	563092	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2220	-	-	-	-	-	0.03	0.003	8.2	7914075	563101	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2222	-	-	-	-	-	0.01	0.006	8.3	7914072	563107	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2319	-	-	-	-	-	0.01	0.003	8.1	7914073	563095	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2321	-	-	-	-	-	0.01	0.003	8.2	7914069	563103	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2323	-	-	-	-	-	0.01	0.009	8.4	7914066	563111	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2420	-	-	-	-	-	0.03	0.009	8.1	7914067	563097	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2422	-	-	-	-	-	0.01	0.113	8.4	7914063	563105	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2424	-	-	-	-	-	0.01	0.048	8.5	7914060	563112	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2521	-	-	-	-	-	0.02	0.014	8.1	7914061	563099	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	2523	-	-	-	-	-	0.01	0.043	8.4	7914057	563108	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_041	3007	-	-	-	-	-	0.01	0.126	8	7914085	563118	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_043	1910	-	-	-	-	-	0.43	0.026	7	7914039	563036	591.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_043	2011	-	-	-	-	-	0.4	0.015	7.4	7914033	563038	591.17	12.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	206	-	-	-	-	-	0.07	0.066	7	7913996	562929	590.82	12.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	208	-	-	-	-	-	0.01	0.003	9	7913989	562926	590.73	12.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	210	-	-	-	-	-	0.01	0.004	8.6	7913982	562924	590.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	212	-	-	-	-	-	0.01	0.003	9	7913975	562921	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	215	-	-	-	-	-	0.03	0.138	8.5	7913965	562917	589.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	216	-	-	-	-	-	0.07	0.108	8.8	7913962	562915	589.18	10.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	218	-	-	-	-	-	0.01	0.03	9.3	7913955	562912	589.26	10.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	220	-	-	-	-	-	0.01	0.011	8.9	7913948	562910	589.27	10.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	222	-	-	-	-	-	0.01	0.005	8.7	7913941	562907	589.41	10.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	305	-	-	-	-	-	0.03	0.005	8.9	7913993	562931	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	307	-	-	-	-	-	0.01	0.003	8.5	7913983	562927	590.59	12.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	309	-	-	-	-	-	0.01	0.003	9.1	7913974	562924	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	311	-	-	-	-	-	0.02	0.138	8.5	7913966	562920	589.61	11.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	313	-	-	-	-	-	0.03	0.071	9.1	7913956	562916	588.93	10.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	315	-	-	-	-	-	0.01	0.003	9	7913948	562913	589.25	10.75	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	317	-	-	-	-	-	0.01	0.004	9	7913940	562910	589.35	10.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1006	-	-	-	-	-	0.01	0.016	8	7914002	562969	590.79	12.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1008	-	-	-	-	-	0.12	0.003	8.5	7913998	562977	590.62	12.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1107	-	-	-	-	-	0.11	0.039	7.2	7913997	562972	590.89	12.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1109	-	-	-	-	-	0.08	0.019	8.3	7913994	562980	590.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1204	-	-	-	-	-	0.11	0.012	8.2	7913998	562960	590.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1206	-	-	-	-	-	0.01	0.003	9	7913994	562968	590.89	12.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1208	-	-	-	-	-	0.01	0.003	8.5	7913990	562976	590.98	12.48	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1210	-	-	-	-	-	0.03	0.013	9	7913987	562984	590.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1305	-	-	-	-	-	0.02	0.004	8.6	7913992	562962	590.95	12.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1307	-	-	-	-	-	0.01	0.005	8.7	7913988	562970	591.22	12.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1309	-	-	-	-	-	0.09	0.012	8.8	7913985	562978	590.64	12.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1311	-	-	-	-	-	0.01	0.011	9	7913981	562987	590.93	12.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1313	-	-	-	-	-	0.01	0.014	8.6	7913978	562995	591.08	12.58	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1404	-	-	-	-	-	0.11	0.003	8.9	7913990	562955	590.76	12.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1408	-	-	-	-	-	0.01	0.005	8.5	7913983	562972	591.07	12.57	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_047	1410	-	-	-	-	-	0.01	0.003	9	7913979	562980	590.9	12.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1412	-	-	-	-	-	0.01	0.017	8.7	7913976	562989	591.12	12.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1414	-	-	-	-	-	0.01	0.013	8.9	7913972	562997	591.85	13.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1416	-	-	-	-	-	0.06	0.01	7.8	7913968	563005	592.35	13.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1501	-	-	-	-	-	0.34	0.034	7.6	7913992	562940	590.64	12.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1503	-	-	-	-	-	0.01	0.003	8.4	7913988	562949	590.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1505	-	-	-	-	-	0.01	0.003	9	7913984	562958	590.89	12.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1507	-	-	-	-	-	0.01	0.042	9.4	7913980	562966	591.4	12.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1509	-	-	-	-	-	0.01	0.006	9.6	7913977	562974	591.16	12.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1511	-	-	-	-	-	0.01	0.003	9.2	7913973	562983	591.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1513	-	-	-	-	-	0.04	0.008	9.3	7913971	562990	591.15	12.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1515	-	-	-	-	-	0.03	0.018	9	7913966	562999	591.67	13.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1517	-	-	-	-	-	0.09	0.014	8.6	7913963	563007	592.09	13.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1600	-	-	-	-	-	0.01	0.004	8.9	7913989	562935	590.9	12.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1602	-	-	-	-	-	0.01	0.016	9.3	7913986	562943	590.92	12.42	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1604	-	-	-	-	-	0.01	0.003	9.1	7913982	562952	591.04	12.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1606	-	-	-	-	-	0.01	0.005	9.5	7913978	562960	591.33	12.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1608	-	-	-	-	-	0.01	0.012	9.1	7913974	562968	591.15	12.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1610	-	-	-	-	-	0.01	0.003	8.9	7913971	562977	590.85	12.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1612	-	-	-	-	-	0.02	0.005	9	7913967	562985	591.09	12.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1614	-	-	-	-	-	0.04	0.015	9.5	7913964	562994	591.18	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1616	-	-	-	-	-	0.1	0.03	9.1	7913960	563002	591.81	13.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1618	-	-	-	-	-	0.08	0.014	9	7913957	563009	592.17	13.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1620	-	-	-	-	-	0.09	0.028	8.3	7913953	563018	591.88	13.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1701	-	-	-	-	-	0.01	0.015	9.4	7913983	562937	590.76	12.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1703	-	-	-	-	-	0.03	0.003	9.3	7913980	562946	590.81	12.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1705	-	-	-	-	-	0.01	0.003	9.1	7913975	562954	590.8	12.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1707	-	-	-	-	-	0.01	0.029	8.7	7913971	562963	590.97	12.47	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1709	-	-	-	-	-	0.01	0.011	9.3	7913968	562971	590.97	12.47	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1711	-	-	-	-	-	0.01	0.003	8.8	7913965	562979	590.93	12.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1713	-	-	-	-	-	0.01	0.007	8.8	7913961	562987	591.13	12.63	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1715	-	-	-	-	-	0.05	0.003	9.3	7913958	562996	591.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1717	-	-	-	-	-	0.14	0.018	9.5	7913954	563004	592.04	13.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1719	-	-	-	-	-	0.05	0.008	8.7	7913951	563012	592	13.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1721	-	-	-	-	-	0.54	0.008	7.1	7913947	563020	591.45	12.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1800	-	-	-	-	-	0.05	0.025	8.9	7913981	562931	590.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1802	-	-	-	-	-	0.02	0.006	9.2	7913977	562940	589.96	11.46	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1804	-	-	-	-	-	0.08	0.005	9	7913973	562948	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1806	-	-	-	-	-	0.06	0.005	8.9	7913970	562956	590.36	11.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1808	-	-	-	-	-	0.04	0.042	9.5	7913966	562965	590.74	12.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1811	-	-	-	-	-	0.01	0.003	8.4	7913961	562976	590.96	12.46	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1812	-	-	-	-	-	0.01	0.008	9.2	7913959	562981	590.85	12.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1814	-	-	-	-	-	0.01	0.007	9.1	7913955	562990	591.17	12.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1816	-	-	-	-	-	0.21	0.005	8.7	7913952	562998	591.63	13.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1818	-	-	-	-	-	0.01	0.037	8.8	7913948	563006	591.83	13.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1820	-	-	-	-	-	0.01	0.007	8.5	7913944	563015	591.8	13.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1822	-	-	-	-	-	0.59	0.019	7.6	7913941	563022	591.62	13.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1901	-	-	-	-	-	0.01	0.11	8.7	7913975	562933	590.48	11.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1903	-	-	-	-	-	0.05	0.017	9	7913971	562942	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1905	-	-	-	-	-	0.05	0.005	8.8	7913967	562951	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1907	-	-	-	-	-	0.06	0.012	9.4	7913964	562959	590.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1909	-	-	-	-	-	0.08	0.053	8	7913960	562967	590.44	11.94	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_047	1911	-	-	-	-	-	0.01	0.005	7.8	7913957	562975	590.77	12.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1913	-	-	-	-	-	0.08	0.046	9.4	7913953	562984	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1915	-	-	-	-	-	0.02	0.008	9	7913950	562992	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1917	-	-	-	-	-	0.02	0.04	8.6	7913946	563000	590.86	12.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1919	-	-	-	-	-	0.03	0.026	8.5	7913943	563008	591.3	12.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	1921	-	-	-	-	-	0.05	0.018	8.4	7913939	563017	591.1	12.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2000	-	-	-	-	-	0.01	0.004	8.7	7913973	562927	590.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2002	-	-	-	-	-	0.01	0.004	8.5	7913968	562937	590.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2004	-	-	-	-	-	0.01	0.004	8.8	7913965	562945	590.26	11.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2006	-	-	-	-	-	0.09	0.01	8.9	7913962	562953	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2008	-	-	-	-	-	0.15	0.02	9.2	7913958	562961	590.27	11.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2010	-	-	-	-	-	0.1	0.01	9.2	7913955	562970	590.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2012	-	-	-	-	-	0.07	0.007	8.8	7913951	562978	590.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2014	-	-	-	-	-	0.01	0.021	9.4	7913947	562986	590.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2016	-	-	-	-	-	0.07	0.004	9.1	7913944	562994	590.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2018	-	-	-	-	-	0.05	0.014	8.9	7913940	563003	590.84	12.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2020	-	-	-	-	-	0.09	0.003	8.8	7913937	563011	591.04	12.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2022	-	-	-	-	-	0.03	0.008	8	7913933	563019	591.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2101	-	-	-	-	-	0.05	0.005	8.9	7913967	562930	589.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2103	-	-	-	-	-	0.05	0.004	8.9	7913963	562939	589.66	11.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2105	-	-	-	-	-	0.05	0.003	9	7913959	562947	588.45	9.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2107	-	-	-	-	-	0.05	0.009	9.1	7913956	562955	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2109	-	-	-	-	-	0.03	0.003	9.1	7913952	562964	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2111	-	-	-	-	-	0.02	0.008	8.8	7913949	562972	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2113	-	-	-	-	-	0.02	0.003	8.8	7913945	562980	589.71	11.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2113	-	-	-	-	-	0.02	0.003	8.8	7913945	562980	589.71	11.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2115	-	-	-	-	-	0.06	0.004	8.3	7913941	562988	590.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2117	-	-	-	-	-	0.05	0.006	9	7913938	562997	590.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2119	-	-	-	-	-	0.02	0.01	9.1	7913934	563005	590.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2121	-	-	-	-	-	0.07	0.02	8.6	7913931	563013	590.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2200	-	-	-	-	-	0.03	0.167	8.4	7913965	562925	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2202	-	-	-	-	-	0.04	0.006	8.7	7913961	562933	589.42	10.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2204	-	-	-	-	-	0.02	0.003	8.7	7913957	562941	589.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2206	-	-	-	-	-	0.01	0.003	8.3	7913954	562949	589.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2208	-	-	-	-	-	0.16	0.004	8.9	7913950	562958	589.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2210	-	-	-	-	-	0.14	0.007	9.4	7913946	562966	589.92	11.42	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2212	-	-	-	-	-	0.05	0.004	8.8	7913943	562974	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2214	-	-	-	-	-	0.09	0.031	7.6	7913939	562982	589.8	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2216	-	-	-	-	-	0.1	0.003	8.6	7913936	562991	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2218	-	-	-	-	-	0.04	0.026	8.9	7913932	562999	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2220	-	-	-	-	-	0.07	0.013	9.2	7913928	563007	590.47	11.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2222	-	-	-	-	-	0.09	0.072	9.4	7913925	563015	590.69	12.19	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2301	-	-	-	-	-	0.06	0.098	9.3	7913959	562927	589.11	10.61	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2303	-	-	-	-	-	0.01	0.018	8.7	7913955	562935	589.17	10.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2305	-	-	-	-	-	0.06	0.04	8.9	7913951	562943	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2307	-	-	-	-	-	0.09	0.014	9	7913948	562952	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2309	-	-	-	-	-	0.05	0.008	9	7913944	562960	589.8	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2311	-	-	-	-	-	0.08	0.01	8.6	7913940	562968	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2313	-	-	-	-	-	0.06	0.006	9.4	7913937	562977	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2315	-	-	-	-	-	0.09	0.004	8.7	7913933	562985	589.37	10.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2317	-	-	-	-	-	0.09	0.021	9.5	7913930	562993	589.73	11.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2321	-	-	-	-	-	0.07	0.057	9.6	7913922	563009	590.5	12	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_047	2400	-	-	-	-	-	0.07	0.02	9.1	7913956	562921	588.9	10.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2402	-	-	-	-	-	0.01	0.026	8.7	7913952	562929	589.2	10.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2404	-	-	-	-	-	0.09	0.007	9.3	7913949	562938	589.26	10.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2406	-	-	-	-	-	0.08	0.019	9.1	7913946	562946	589.41	10.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2408	-	-	-	-	-	0.08	0.005	8.8	7913942	562954	589.67	11.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2410	-	-	-	-	-	0.08	0.026	9.1	7913938	562962	589.66	11.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2412	-	-	-	-	-	0.09	0.045	9.1	7913935	562971	589.58	11.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2414	-	-	-	-	-	0.14	0.038	9.3	7913931	562979	589.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2416	-	-	-	-	-	0.15	0.049	9	7913927	562987	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2418	-	-	-	-	-	0.01	0.064	9	7913924	562995	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2420	-	-	-	-	-	0.13	0.006	9.1	7913920	563004	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2422	-	-	-	-	-	0.06	0.004	9.5	7913916	563012	590.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2501	-	-	-	-	-	0.08	0.004	8.8	7913950	562923	589.42	10.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2501	-	-	-	-	-	0.08	0.004	8.8	7913950	562923	589.42	10.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2503	-	-	-	-	-	0.01	0.014	9.1	7913947	562932	589.67	11.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2505	-	-	-	-	-	0.05	0.036	9.2	7913943	562940	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2507	-	-	-	-	-	0.06	0.021	8.7	7913939	562949	590.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2509	-	-	-	-	-	0.05	0.012	8.8	7913936	562956	589.62	11.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2511	-	-	-	-	-	0.1	0.004	9.4	7913932	562965	589.43	10.93	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2513	-	-	-	-	-	0.06	0.005	8.9	7913929	562973	589.23	10.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2515	-	-	-	-	-	0.09	0.022	9.1	7913925	562981	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2517	-	-	-	-	-	0.01	0.004	9	7913921	562989	589.61	11.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2519	-	-	-	-	-	0.1	0.011	9.1	7913918	562997	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2521	-	-	-	-	-	0.08	0.011	9.5	7913914	563006	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2600	-	-	-	-	-	0.01	0.004	9	7913947	562918	589.23	10.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2602	-	-	-	-	-	0.01	0.033	9.2	7913944	562926	589.57	11.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2604	-	-	-	-	-	0.1	0.056	9.4	7913941	562934	589.49	10.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2606	-	-	-	-	-	0.04	0.004	9.2	7913937	562942	589.66	11.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2608	-	-	-	-	-	0.06	0.01	8.9	7913934	562950	589.71	11.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2610	-	-	-	-	-	0.05	0.01	8.4	7913930	562959	589.62	11.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2612	-	-	-	-	-	0.07	0.034	9	7913926	562967	589.26	10.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2614	-	-	-	-	-	0.04	0.003	8.9	7913923	562975	589.17	10.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2616	-	-	-	-	-	0.03	0.104	9.3	7913919	562983	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2618	-	-	-	-	-	0.07	0.059	9.3	7913916	562992	589.62	11.12	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2620	-	-	-	-	-	0.07	0.056	9.2	7913912	563000	589.83	11.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2622	-	-	-	-	-	0.01	0.084	9.7	7913908	563008	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2701	-	-	-	-	-	0.02	0.006	9.3	7913942	562920	589.26	10.76	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2703	-	-	-	-	-	0.01	0.006	8.7	7913938	562928	589.71	11.21	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2705	-	-	-	-	-	0.05	0.004	9.1	7913935	562936	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2707	-	-	-	-	-	0.05	0.014	9.2	7913931	562944	589.97	11.47	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2709	-	-	-	-	-	0.07	0.005	8.6	7913928	562953	589.61	11.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2711	-	-	-	-	-	0.06	0.021	8.9	7913924	562961	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2713	-	-	-	-	-	0.05	0.014	9.1	7913920	562969	589.12	10.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2715	-	-	-	-	-	0.06	0.003	9.3	7913917	562978	589.19	10.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2717	-	-	-	-	-	0.06	0.03	9.3	7913913	562986	589.14	10.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2719	-	-	-	-	-	0.06	0.048	9.3	7913909	562994	589.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2721	-	-	-	-	-	0.01	0.022	9.6	7913906	563002	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2802	-	-	-	-	-	0.01	0.011	8.8	7913936	562922	589.56	11.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2804	-	-	-	-	-	0.01	0.006	8.7	7913933	562931	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2806	-	-	-	-	-	0.04	0.007	9	7913929	562939	589.56	11.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2808	-	-	-	-	-	0.09	0.079	9.1	7913925	562947	589.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2810	-	-	-	-	-	0.04	0.004	9	7913922	562955	589.46	10.96	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_047	2812	-	-	-	-	-	0.06	0.037	8.7	7913918	562963	589.46	10.96	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2814	-	-	-	-	-	0.01	0.007	9	7913915	562972	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2816	-	-	-	-	-	0.01	0.014	9	7913911	562980	589.47	10.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2818	-	-	-	-	-	0.03	0.005	9.1	7913907	562988	589.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2820	-	-	-	-	-	0.01	0.006	9.2	7913904	562996	590.23	11.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2822	-	-	-	-	-	0.01	0.007	9.1	7913900	563004	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2905	-	-	-	-	-	0.08	0.003	9.3	7913927	562933	589.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2907	-	-	-	-	-	0.01	0.005	9.1	7913924	562941	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2909	-	-	-	-	-	0.02	0.005	9.1	7913919	562949	589.3	10.8	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2911	-	-	-	-	-	0.08	0.007	8.9	7913915	562957	589.31	10.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2913	-	-	-	-	-	0.01	0.005	8.9	7913912	562966	589.72	11.22	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2915	-	-	-	-	-	0.01	0.018	9	7913908	562974	589.36	10.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2917	-	-	-	-	-	0.01	0.005	8.9	7913905	562982	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2919	-	-	-	-	-	0.04	0.003	9.2	7913901	562990	590.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	2921	-	-	-	-	-	0.01	0.003	9.2	7913898	562998	590.39	11.89	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3008	-	-	-	-	-	0.06	0.006	9.1	7913917	562943	589.04	10.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3010	-	-	-	-	-	0.03	0.003	9.1	7913913	562951	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3012	-	-	-	-	-	0.01	0.011	9	7913911	562960	589.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3014	-	-	-	-	-	0.01	0.009	8.9	7913906	562968	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3016	-	-	-	-	-	0.02	0.024	9.1	7913903	562976	589.49	10.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3018	-	-	-	-	-	0.02	0.003	9.1	7913898	562984	590.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3020	-	-	-	-	-	0.01	0.003	9.3	7913894	562992	590.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3022	-	-	-	-	-	0.01	0.006	9.4	7913891	563001	590.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3112	-	-	-	-	-	0.04	0.003	9	7913907	562958	589.07	10.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3114	-	-	-	-	-	0.01	0.003	8.5	7913903	562966	589.58	11.08	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3116	-	-	-	-	-	0.08	0.016	8.9	7913899	562975	589.83	11.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3118	-	-	-	-	-	0.01	0.004	8.6	7913893	562982	590.19	11.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3120	-	-	-	-	-	0.08	0.023	8.9	7913890	562990	590.59	12.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3121	-	-	-	-	-	0.01	0.004	9.3	7913888	562994	590.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	3122	-	-	-	-	-	0.01	0.082	9.4	7913886	562999	590.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4000	-	-	-	-	-	0.03	0.012	8.9	7913938	562914	589.25	10.75	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4002	-	-	-	-	-	0.01	0.029	8.7	7913931	562920	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4004	-	-	-	-	-	0.01	0.048	8.6	7913926	562926	589.55	11.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4006	-	-	-	-	-	0.06	0.038	8.5	7913920	562933	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4010	-	-	-	-	-	0.11	0.017	8.8	7913908	562948	589.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4012	-	-	-	-	-	0.1	0.008	8.7	7913903	562955	589.31	10.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4016	-	-	-	-	-	0.04	0.017	8.6	7913893	562971	589.51	11.01	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4018	-	-	-	-	-	0.01	0.005	9.2	7913888	562980	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4020	-	-	-	-	-	0.01	0.004	9.3	7913884	562988	590.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4022	-	-	-	-	-	0.01	0.076	8.9	7913881	562996	591.24	12.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4101	-	-	-	-	-	0.01	0.006	8.7	7913935	562917	589.32	10.82	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4103	-	-	-	-	-	0.01	0.008	8.8	7913930	562924	589.6	11.1	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4105	-	-	-	-	-	0.13	0.024	8.7	7913924	562931	589.69	11.19	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4107	-	-	-	-	-	0.1	0.011	8.9	7913918	562938	589.66	11.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4109	-	-	-	-	-	0.1	0.008	8.8	7913912	562945	589.35	10.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4111	-	-	-	-	-	0.07	0.036	9.2	7913907	562953	589.19	10.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4113	-	-	-	-	-	0.05	0.004	8.6	7913902	562960	589.59	11.09	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4114	-	-	-	-	-	0.04	0.003	8.5	7913899	562964	589.63	11.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4115	-	-	-	-	-	0.05	0.003	8.4	7913897	562968	589.78	11.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4117	-	-	-	-	-	0.04	0.003	8.7	7913892	562976	589.88	11.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4119	-	-	-	-	-	0.02	0.01	9.2	7913887	562984	590.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_047	4121	-	-	-	-	-	0.01	0.003	9.3	7913884	562993	590.72	12.22	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_049	1000	-	-	-	-	-	0.04	0.058	7.8	7913930	563026	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1101	-	-	-	-	-	0.07	0.003	6.4	7913934	563030	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1200	-	-	-	-	-	0.03	0.056	7.8	7913928	563032	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1301	-	-	-	-	-	0.07	0.007	8.8	7913930	563038	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1400	-	-	-	-	-	0.07	0.007	8.9	7913924	563040	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1501	-	-	-	-	-	0.18	0.005	7.6	7913926	563046	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1600	-	-	-	-	-	0.05	0.008	8.6	7913920	563049	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_049	1800	-	-	-	-	-	0.34	0.003	6.8	7913917	563057	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1000	-	-	-	-	-	0.09	0.019	9.4	7913881	563005	590.46	11.96	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1002	-	-	-	-	-	0.03	0.006	9.5	7913888	563008	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1004	-	-	-	-	-	0.08	0.008	9.1	7913895	563011	590.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1006	-	-	-	-	-	0.01	0.011	6.6	7913902	563013	589.81	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1008	-	-	-	-	-	0.02	0.01	9.6	7913909	563016	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1010	-	-	-	-	-	0.03	0.011	9.4	7913916	563019	590.37	11.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1018	-	-	-	-	-	0.02	0.005	9.3	7913919	563039	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1020	-	-	-	-	-	0.12	0.023	9.2	7913915	563047	589.96	11.46	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1023	-	-	-	-	-	0.36	0.006	8.9	7913911	563058	590.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1056	-	-	-	-	-	0.01	0.02	8.4	7914002	563113	591.06	12.56	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1084	-	-	-	-	-	0.03	0.096	8.2	7914043	563116	591.29	12.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1086	-	-	-	-	-	0.04	0.024	8.4	7914035	563116	591.49	12.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1088	-	-	-	-	-	0.04	0.016	8.4	7914027	563117	591.56	13.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1092	-	-	-	-	-	0.02	0.028	8	7914012	563123	591	12.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1096	-	-	-	-	-	0.01	0.021	8.4	7913996	563124	590.99	12.49	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1100	-	-	-	-	-	0.01	0.059	7.9	7913980	563128	591.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1102	-	-	-	-	-	0.02	0.048	7.9	7913974	563131	591.32	12.82	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1142	-	-	-	-	-	0.05	0.009	7.7	7913878	563084	590.98	12.48	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1144	-	-	-	-	-	0.12	0.004	8.6	7913876	563077	590.63	12.13	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1148	-	-	-	-	-	0.09	0.007	8.8	7913875	563062	590.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1150	-	-	-	-	-	0.06	0.026	8.8	7913874	563053	590.27	11.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1155	-	-	-	-	-	0.1	0.032	9.2	7913876	563033	589.86	11.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1157	-	-	-	-	-	0.22	0.021	8.8	7913876	563025	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1159	-	-	-	-	-	0.12	0.011	8.2	7913876	563017	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1161	-	-	-	-	-	0.11	0.017	8.8	7913876	563009	590.34	11.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1216	-	-	-	-	-	0.1	0.043	8	7913921	563032	590.29	11.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1220	-	-	-	-	-	0.06	0.018	8.9	7913914	563046	590.02	11.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1223	-	-	-	-	-	0.08	0.003	8.9	7913909	563057	590.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1290	-	-	-	-	-	0.01	0.006	8.2	7914019	563119	591.25	12.75	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1294	-	-	-	-	-	0.01	0.019	8.3	7914004	563121	590.78	12.28	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1298	-	-	-	-	-	0.01	0.03	8.2	7913987	563124	591.49	12.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1301	-	-	-	-	-	0.04	0.022	8.1	7913976	563128	591.31	12.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1342	-	-	-	-	-	0.02	0.009	8.3	7913879	563085	590.88	12.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1344	-	-	-	-	-	0.11	0.006	9.2	7913877	563077	590.75	12.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1348	-	-	-	-	-	0.01	0.013	8.7	7913876	563062	590.61	12.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1350	-	-	-	-	-	0.11	0.006	9.2	7913875	563053	590.27	11.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1353	-	-	-	-	-	0.07	0.021	9.1	7913876	563041	590	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	1355	-	-	-	-	-	0.08	0.029	9.2	7913877	563033	589.92	11.42	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2001	-	-	-	-	-	0.1	0.003	9.3	7913886	563013	590.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2003	-	-	-	-	-	0.04	0.007	8.9	7913894	563016	590.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2005	-	-	-	-	-	0.03	0.01	9.2	7913902	563019	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2007	-	-	-	-	-	0.03	0.014	9.6	7913910	563023	590.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2009	-	-	-	-	-	0.03	0.013	7.9	7913919	563026	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2100	-	-	-	-	-	0.01	0.004	8.8	7913880	563013	590.4	11.9	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_051	2102	-	-	-	-	-	0.03	0.003	9.1	7913887	563018	590.14	11.64	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2104	-	-	-	-	-	0.02	0.003	8.8	7913896	563020	589.72	11.22	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2106	-	-	-	-	-	0.01	0.154	9.3	7913904	563024	589.94	11.44	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2108	-	-	-	-	-	0.01	0.012	7.7	7913913	563028	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2201	-	-	-	-	-	0.04	0.018	9.4	7913882	563019	590.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2203	-	-	-	-	-	0.02	0.003	9.1	7913890	563023	590.09	11.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2205	-	-	-	-	-	0.04	0.013	9.1	7913898	563027	589.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2207	-	-	-	-	-	0.07	0.054	9.1	7913906	563030	589.64	11.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2209	-	-	-	-	-	0.01	0.026	9.2	7913915	563034	590.11	11.61	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2244	-	-	-	-	-	0.04	0.007	8.1	7914057	563096	591.02	12.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2302	-	-	-	-	-	0.06	0.003	9.2	7913884	563026	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2304	-	-	-	-	-	0.11	0.044	9.2	7913892	563029	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2306	-	-	-	-	-	0.01	0.052	8.3	7913900	563033	589.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2308	-	-	-	-	-	0.04	0.016	9.5	7913908	563036	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2343	-	-	-	-	-	0.01	0.055	8.5	7914052	563099	591.27	12.77	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2403	-	-	-	-	-	0.09	0.003	9	7913886	563031	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2405	-	-	-	-	-	0.05	0.08	8.7	7913895	563034	590.19	11.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2407	-	-	-	-	-	0.02	0.01	9.5	7913903	563038	589.93	11.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2409	-	-	-	-	-	0.01	0.013	9.6	7913911	563041	589.89	11.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2442	-	-	-	-	-	0.03	0.016	8.7	7914046	563102	591.36	12.86	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2444	-	-	-	-	-	0.07	0.08	8.3	7914055	563105	590.61	12.11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2502	-	-	-	-	-	0.1	0.007	9.7	7913880	563033	590.01	11.51	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2504	-	-	-	-	-	0.08	0.004	9	7913889	563036	590.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2505	-	-	-	-	-	0.03	0.065	9.2	7913893	563038	590.02	11.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2506	-	-	-	-	-	0.08	0.006	9.9	7913897	563040	590.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2508	-	-	-	-	-	0.03	0.01	8.9	7913905	563043	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2541	-	-	-	-	-	0.14	0.011	8.4	7914041	563104	591.24	12.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2543	-	-	-	-	-	0.07	0.015	8.7	7914049	563108	590.87	12.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2602	-	-	-	-	-	0.01	0.023	9.4	7913880	563038	590.02	11.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2603	-	-	-	-	-	0.14	0.006	8.9	7913884	563040	589.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2607	-	-	-	-	-	0.08	0.013	9.6	7913899	563046	590.16	11.66	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2609	-	-	-	-	-	0.05	0.019	9.3	7913908	563050	590.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2638	-	-	-	-	-	0.05	0.013	8.5	7914027	563103	591.29	12.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2640	-	-	-	-	-	0.07	0.062	7.9	7914035	563106	591.31	12.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2644	-	-	-	-	-	0.02	0.02	8.7	7914051	563114	590.7	12.2	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2704	-	-	-	-	-	0.03	0.006	9.3	7913885	563045	590.07	11.57	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2706	-	-	-	-	-	0.03	0.014	9	7913893	563048	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2708	-	-	-	-	-	0.05	0.018	9.5	7913901	563052	590.18	11.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2737	-	-	-	-	-	0.06	0.024	8.1	7914021	563105	591.37	12.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2741	-	-	-	-	-	0.09	0.033	8.8	7914037	563112	591.41	12.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2803	-	-	-	-	-	0.07	0.074	9.3	7913880	563047	590.05	11.55	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2805	-	-	-	-	-	0.1	0.029	9.1	7913887	563051	590.2	11.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2807	-	-	-	-	-	0.13	0.014	9.4	7913895	563054	590.12	11.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2809	-	-	-	-	-	0.12	0.033	9.6	7913904	563058	590.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2836	-	-	-	-	-	0.02	0.061	8.1	7914015	563108	591.42	12.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2838	-	-	-	-	-	0.05	0.051	8.5	7914023	563111	591.34	12.84	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2904	-	-	-	-	-	0.15	0.028	9	7913881	563053	590.23	11.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2906	-	-	-	-	-	0.09	0.007	9.4	7913889	563056	590.38	11.88	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2908	-	-	-	-	-	0.17	0.017	9.1	7913898	563060	590.48	11.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2935	-	-	-	-	-	0.01	0.028	8.1	7914011	563110	591.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	2937	-	-	-	-	-	0.02	0.006	8.5	7914017	563114	591.04	12.54	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3005	-	-	-	-	-	0.09	0.006	9.2	7913884	563059	590.65	12.15	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_051	3007	-	-	-	-	-	0.1	0.006	9	7913892	563063	590.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3009	-	-	-	-	-	0.08	0.022	8.9	7913900	563066	590.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3036	-	-	-	-	-	0.03	0.045	8.3	7914009	563115	591.2	12.7	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3104	-	-	-	-	-	0.02	0.022	8.2	7913879	563061	590.57	12.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3106	-	-	-	-	-	0.08	0.01	8.7	7913886	563065	590.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3108	-	-	-	-	-	0.08	0.014	8.3	7913895	563068	590.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3134	-	-	-	-	-	0.01	0.021	8.4	7914003	563118	591.18	12.68	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3205	-	-	-	-	-	0.03	0.005	9.1	7913880	563067	590.64	12.14	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3207	-	-	-	-	-	0.08	0.016	9	7913888	563071	590.24	11.74	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3209	-	-	-	-	-	0.34	0.01	7.2	7913896	563074	590.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3233	-	-	-	-	-	0.01	0.017	8.3	7913995	563118	591.19	12.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3306	-	-	-	-	-	0.07	0.044	8.3	7913883	563073	590.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3308	-	-	-	-	-	0.72	0.012	7.2	7913890	563077	590.21	11.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3330	-	-	-	-	-	0.01	0.041	6.8	7913981	563118	591.22	12.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3332	-	-	-	-	-	0.01	0.028	8.1	7913989	563120	591.41	12.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3407	-	-	-	-	-	0.01	0.004	8.3	7913885	563078	590.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3409	-	-	-	-	-	0.3	0.009	7.4	7913893	563083	590.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3430	-	-	-	-	-	0.08	0.047	7.4	7913979	563121	591.29	12.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_051	3530	-	-	-	-	-	0.02	0.025	7.5	7913977	563125	591.17	12.67	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1060	-	-	-	-	-	0.07	0.005	8.1	7913866	563094	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1062	-	-	-	-	-	0.06	0.003	8.5	7913865	563087	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1064	-	-	-	-	-	0.05	0.004	8.2	7913865	563080	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1066	-	-	-	-	-	0.08	0.003	8.3	7913864	563074	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1068	-	-	-	-	-	0.05	0.01	8.4	7913863	563068	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1071	-	-	-	-	-	0.04	0.01	8.2	7913863	563059	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1073	-	-	-	-	-	0.03	0.005	8.3	7913863	563053	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1075	-	-	-	-	-	0.1	0.006	8.1	7913864	563047	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1075	-	-	-	-	-	0.1	0.006	8.1	7913864	563047	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1078	-	-	-	-	-	0.02	0.005	8.9	7913865	563038	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1101	-	-	-	-	-	0.07	0.016	8.1	7913983	563148	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1105	-	-	-	-	-	0.03	0.011	8.1	7913971	563151	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1158	-	-	-	-	-	0.09	0.006	7.1	7913867	563098	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1170	-	-	-	-	-	0.04	0.083	7.7	7913865	563062	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1172	-	-	-	-	-	0.04	0.046	7.8	7913865	563056	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1174	-	-	-	-	-	0.04	0.032	8.3	7913866	563049	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1204	-	-	-	-	-	0.03	0.018	8	7913973	563148	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1258	-	-	-	-	-	0.04	0.035	8.5	7913870	563091	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1261	-	-	-	-	-	0.04	0.003	8.3	7913868	563081	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1263	-	-	-	-	-	0.04	0.003	8.6	7913867	563075	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1276	-	-	-	-	-	0.04	0.016	8.4	7913868	563042	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_052	1302	-	-	-	-	-	0.04	0.138	6.9	7913979	563143	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1001	-	-	-	-	-	0.11	0.01	8.4	7913865	563009	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1003	-	-	-	-	-	0.06	0.009	8.5	7913863	563016	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1005	-	-	-	-	-	0.05	0.008	8.6	7913863	563023	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1008	-	-	-	-	-	0.04	0.005	8.6	7913863	563032	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1060	-	-	-	-	-	0.07	0.005	8.1	7913866	563094	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1062	-	-	-	-	-	0.06	0.003	8.5	7913865	563087	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1064	-	-	-	-	-	0.05	0.004	8.2	7913865	563080	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1066	-	-	-	-	-	0.08	0.003	8.3	7913864	563074	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1068	-	-	-	-	-	0.05	0.01	8.4	7913863	563068	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1071	-	-	-	-	-	0.04	0.01	8.2	7913863	563059	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1073	-	-	-	-	-	0.03	0.005	8.3	7913863	563053	588.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_054	1075	-	-	-	-	-	0.1	0.006	8.1	7913864	563047	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1078	-	-	-	-	-	0.02	0.005	8.9	7913865	563038	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1100	-	-	-	-	-	0.05	0.006	8.3	7913868	563005	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1158	-	-	-	-	-	0.09	0.006	7.1	7913867	563098	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1170	-	-	-	-	-	0.04	0.083	7.7	7913865	563062	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1172	-	-	-	-	-	0.04	0.046	7.8	7913865	563056	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1174	-	-	-	-	-	0.04	0.032	8.3	7913866	563049	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1202	-	-	-	-	-	0.06	0.021	8.6	7913869	563012	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1204	-	-	-	-	-	0.05	0.003	8.6	7913869	563019	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1206	-	-	-	-	-	0.1	0.011	8.6	7913869	563027	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1209	-	-	-	-	-	0.04	0.006	8.7	7913869	563036	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1258	-	-	-	-	-	0.04	0.035	8.5	7913870	563091	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1261	-	-	-	-	-	0.04	0.003	8.3	7913868	563081	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1263	-	-	-	-	-	0.04	0.003	8.6	7913867	563075	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	1276	-	-	-	-	-	0.04	0.016	8.4	7913868	563042	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2000	-	-	-	-	-	0.1	0.026	8.4	7913866	563001	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2002	-	-	-	-	-	0.08	0.036	8.5	7913868	562994	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2004	-	-	-	-	-	0.03	0.014	8.7	7913870	562988	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2006	-	-	-	-	-	0.1	0.01	8.4	7913873	562981	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2010	-	-	-	-	-	0.03	0.005	8.8	7913881	562968	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2012	-	-	-	-	-	0.03	0.004	9	7913885	562961	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2014	-	-	-	-	-	0.03	0.003	8.8	7913898	562942	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2016	-	-	-	-	-	0.08	0.008	8.5	7913902	562935	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2018	-	-	-	-	-	0.04	0.1	8.7	7913906	562929	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2020	-	-	-	-	-	0.04	0.042	8.4	7913910	562923	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2022	-	-	-	-	-	0.09	0.041	8.3	7913913	562917	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2024	-	-	-	-	-	0.04	0.054	8.7	7913917	562912	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2026	-	-	-	-	-	0.06	0.024	8.6	7913922	562907	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2028	-	-	-	-	-	0.06	0.017	8.4	7913928	562903	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2113	-	-	-	-	-	0.03	0.003	8.8	7913917	562916	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2115	-	-	-	-	-	0.03	0.005	8.8	7913922	562911	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2117	-	-	-	-	-	0.04	0.023	8.7	7913906	562934	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2119	-	-	-	-	-	0.03	0.012	8.9	7913910	562928	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2121	-	-	-	-	-	0.05	0.006	8.7	7913915	562922	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2123	-	-	-	-	-	0.08	0.081	8.6	7913917	562916	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2125	-	-	-	-	-	0.07	0.016	8.4	7913922	562911	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2127	-	-	-	-	-	0.05	0.036	8.5	7913926	562907	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2129	-	-	-	-	-	0.04	0.012	8.6	7913932	562903	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2200	-	-	-	-	-	0.07	0.011	9	7913871	563002	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2202	-	-	-	-	-	0.06	0.003	8.7	7913873	562995	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_054	2204	-	-	-	-	-	0.06	0.036	8.8	7913875	562987	588.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	834	-	-	-	-	-	0.03	0.046	7.1	7914528	563386	585	6.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	834	-	-	-	-	-	0.03	0.046	7.1	7914528	563386	585	6.5	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	836	-	-	-	-	-	0.06	0.021	8.4	7914532	563392	584.89	6.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	836	-	-	-	-	-	0.06	0.021	8.4	7914532	563392	584.89	6.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	838	-	-	-	-	-	0.01	0.124	7.9	7914537	563398	584.89	6.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	838	-	-	-	-	-	0.01	0.124	7.9	7914537	563398	584.89	6.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	929	-	-	-	-	-	0.01	0.076	7.1	7914517	563369	588.1	9.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	929	-	-	-	-	-	0.01	0.076	7.1	7914517	563369	588.1	9.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	931	-	-	-	-	-	0.01	0.056	7.5	7914520	563377	586.53	8.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	931	-	-	-	-	-	0.01	0.056	7.5	7914520	563377	586.53	8.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	931	-	-	-	-	-	0.01	0.056	7.5	7914520	563377	586.53	8.03	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_061	933	-	-	-	-	-	0.02	0.014	7.9	7914523	563384	585.37	6.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	933	-	-	-	-	-	0.02	0.014	7.9	7914523	563384	585.37	6.87	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	935	-	-	-	-	-	0.06	0.168	8	7914527	563391	584.75	6.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	935	-	-	-	-	-	0.06	0.168	8	7914527	563391	584.75	6.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	937	-	-	-	-	-	0.08	0.02	8	7914531	563397	584.82	6.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	937	-	-	-	-	-	0.08	0.02	8	7914531	563397	584.82	6.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1000	-	-	-	-	-	0.08	0.118	8.1	7914443	563280	589.83	11.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1000	-	-	-	-	-	0.08	0.118	8.1	7914443	563280	589.83	11.33	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1002	-	-	-	-	-	0.04	0.009	8.2	7914448	563286	589.76	11.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1002	-	-	-	-	-	0.04	0.009	8.2	7914448	563286	589.76	11.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1004	-	-	-	-	-	0.01	0.007	8	7914454	563292	589.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1004	-	-	-	-	-	0.01	0.007	8	7914454	563292	589.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1006	-	-	-	-	-	0.01	0.009	7.7	7914458	563298	589.54	11.04	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1006	-	-	-	-	-	0.01	0.009	7.7	7914458	563298	589.54	11.04	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1008	-	-	-	-	-	0.02	0.023	7.5	7914463	563305	589.53	11.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1008	-	-	-	-	-	0.02	0.023	7.5	7914463	563305	589.53	11.03	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1010	-	-	-	-	-	0.01	0.019	7.7	7914467	563312	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1010	-	-	-	-	-	0.01	0.019	7.7	7914467	563312	589.45	10.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1012	-	-	-	-	-	0.06	0.039	7.7	7914472	563318	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1012	-	-	-	-	-	0.06	0.039	7.7	7914472	563318	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1014	-	-	-	-	-	0.01	0.032	7.9	7914477	563324	589.42	10.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1014	-	-	-	-	-	0.01	0.032	7.9	7914477	563324	589.42	10.92	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1016	-	-	-	-	-	0.01	0.021	8.1	7914482	563331	589.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1016	-	-	-	-	-	0.01	0.021	8.1	7914482	563331	589.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1018	-	-	-	-	-	0.01	0.045	7.6	7914487	563337	589.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1018	-	-	-	-	-	0.01	0.045	7.6	7914487	563337	589.15	10.65	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1020	-	-	-	-	-	0.03	0.052	7.7	7914492	563343	588.86	10.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1020	-	-	-	-	-	0.03	0.052	7.7	7914492	563343	588.86	10.36	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1022	-	-	-	-	-	0.11	0.03	7.9	7914498	563349	588.74	10.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1022	-	-	-	-	-	0.11	0.03	7.9	7914498	563349	588.74	10.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1026	-	-	-	-	-	0.03	0.02	7.7	7914507	563362	588.1	9.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1026	-	-	-	-	-	0.03	0.02	7.7	7914507	563362	588.1	9.6	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1028	-	-	-	-	-	0.01	0.023	8	7914513	563368	588.21	9.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1028	-	-	-	-	-	0.01	0.023	8	7914513	563368	588.21	9.71	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1030	-	-	-	-	-	0.01	0.006	8.2	7914515	563376	586.9	8.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1030	-	-	-	-	-	0.01	0.006	8.2	7914515	563376	586.9	8.4	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1032	-	-	-	-	-	0.01	0.011	8	7914518	563383	585.76	7.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1032	-	-	-	-	-	0.01	0.011	8	7914518	563383	585.76	7.26	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1034	-	-	-	-	-	0.02	0.011	8.1	7914521	563389	585.08	6.58	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1034	-	-	-	-	-	0.02	0.011	8.1	7914521	563389	585.08	6.58	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1036	-	-	-	-	-	0.03	0.031	8.2	7914526	563396	584.44	5.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1036	-	-	-	-	-	0.03	0.031	8.2	7914526	563396	584.44	5.94	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1101	-	-	-	-	-	0.02	0.005	8.3	7914444	563285	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1101	-	-	-	-	-	0.02	0.005	8.3	7914444	563285	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1103	-	-	-	-	-	0.05	0.005	8.2	7914448	563293	589.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1103	-	-	-	-	-	0.05	0.005	8.2	7914448	563293	589.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1105	-	-	-	-	-	0.03	0.044	7.9	7914454	563301	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1105	-	-	-	-	-	0.03	0.044	7.9	7914454	563301	589.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1107	-	-	-	-	-	0.03	0.022	7.7	7914459	563308	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1107	-	-	-	-	-	0.03	0.022	7.7	7914459	563308	589.22	10.72	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1109	-	-	-	-	-	0.05	0.026	8	7914463	563315	588.95	10.45	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1109	-	-	-	-	-	0.05	0.026	8	7914463	563315	588.95	10.45	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_061	1111	-	-	-	-	-	0.04	0.023	7.9	7914469	563322	589.02	10.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1111	-	-	-	-	-	0.04	0.023	7.9	7914469	563322	589.02	10.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1113	-	-	-	-	-	0.05	0.114	8.1	7914475	563329	588.99	10.49	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1113	-	-	-	-	-	0.05	0.114	8.1	7914475	563329	588.99	10.49	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1115	-	-	-	-	-	0.02	0.118	6.7	7914480	563336	588.93	10.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1115	-	-	-	-	-	0.02	0.118	6.7	7914480	563336	588.93	10.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1119	-	-	-	-	-	0.08	0.023	7.7	7914491	563350	588.45	9.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1119	-	-	-	-	-	0.08	0.023	7.7	7914491	563350	588.45	9.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1123	-	-	-	-	-	0.06	0.046	7.7	7914503	563365	587.88	9.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1123	-	-	-	-	-	0.06	0.046	7.7	7914503	563365	587.88	9.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1125	-	-	-	-	-	0.01	0.18	7.9	7914508	563371	587.12	8.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1125	-	-	-	-	-	0.01	0.18	7.9	7914508	563371	587.12	8.62	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1127	-	-	-	-	-	0.05	0.04	8.2	7914512	563380	586.02	7.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1127	-	-	-	-	-	0.05	0.04	8.2	7914512	563380	586.02	7.52	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1129	-	-	-	-	-	0.05	0.015	8.2	7914516	563388	585.57	7.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1129	-	-	-	-	-	0.05	0.015	8.2	7914516	563388	585.57	7.07	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1131	-	-	-	-	-	0.08	0.022	8.3	7914521	563396	584.45	5.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1131	-	-	-	-	-	0.08	0.022	8.3	7914521	563396	584.45	5.95	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1133	-	-	-	-	-	0.03	0.018	8.2	7914525	563404	583.85	5.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1133	-	-	-	-	-	0.03	0.018	8.2	7914525	563404	583.85	5.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1200	-	-	-	-	-	0.02	0.003	8.2	7914436	563286	589.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1200	-	-	-	-	-	0.02	0.003	8.2	7914436	563286	589.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1202	-	-	-	-	-	0.03	0.014	8.2	7914441	563293	589.67	11.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1202	-	-	-	-	-	0.03	0.014	8.2	7914441	563293	589.67	11.17	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1204	-	-	-	-	-	0.01	0.005	7.9	7914447	563300	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1204	-	-	-	-	-	0.01	0.005	7.9	7914447	563300	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1206	-	-	-	-	-	0.02	0.015	8	7914452	563307	589.29	10.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1206	-	-	-	-	-	0.02	0.015	8	7914452	563307	589.29	10.79	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1208	-	-	-	-	-	0.02	0.028	7.6	7914458	563314	589.09	10.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1208	-	-	-	-	-	0.02	0.028	7.6	7914458	563314	589.09	10.59	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1210	-	-	-	-	-	0.13	0.02	7.9	7914463	563321	588.94	10.44	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1210	-	-	-	-	-	0.13	0.02	7.9	7914463	563321	588.94	10.44	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1212	-	-	-	-	-	0.22	0.05	7.1	7914469	563329	588.85	10.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1212	-	-	-	-	-	0.22	0.05	7.1	7914469	563329	588.85	10.35	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1214	-	-	-	-	-	0.01	0.014	7.8	7914474	563336	588.89	10.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1214	-	-	-	-	-	0.01	0.014	7.8	7914474	563336	588.89	10.39	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1216	-	-	-	-	-	0.42	0.021	8.2	7914481	563342	590.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1216	-	-	-	-	-	0.42	0.021	8.2	7914481	563342	590.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1218	-	-	-	-	-	0.04	0.02	7.7	7914484	563350	588.68	10.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1218	-	-	-	-	-	0.04	0.02	7.7	7914484	563350	588.68	10.18	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1220	-	-	-	-	-	0.08	0.016	8.5	7914491	563357	588.56	10.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1220	-	-	-	-	-	0.08	0.016	8.5	7914491	563357	588.56	10.06	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1222	-	-	-	-	-	0.08	0.107	6	7914497	563364	588.11	9.61	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1222	-	-	-	-	-	0.08	0.107	6	7914497	563364	588.11	9.61	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1224	-	-	-	-	-	0.07	0.148	8	7914502	563371	587.35	8.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1224	-	-	-	-	-	0.07	0.148	8	7914502	563371	587.35	8.85	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1226	-	-	-	-	-	0.05	0.07	7.8	7914506	563379	586.33	7.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1226	-	-	-	-	-	0.05	0.07	7.8	7914506	563379	586.33	7.83	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1228	-	-	-	-	-	0.1	0.049	8	7914511	563386	585.47	6.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1228	-	-	-	-	-	0.1	0.049	8	7914511	563386	585.47	6.97	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1230	-	-	-	-	-	0.06	0.042	8.1	7914516	563394	584.66	6.16	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1230	-	-	-	-	-	0.06	0.042	8.1	7914516	563394	584.66	6.16	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	580	N1_580_061	1232	-	-	-	-	-	0.08	0.015	8.4	7914520	563402	583.88	5.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1232	-	-	-	-	-	0.08	0.015	8.4	7914520	563402	583.88	5.38	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1301	-	-	-	-	-	0.07	0.017	8	7914436	563292	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1301	-	-	-	-	-	0.07	0.017	8	7914436	563292	589.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1303	-	-	-	-	-	0.05	0.012	8.2	7914441	563299	589.73	11.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1303	-	-	-	-	-	0.05	0.012	8.2	7914441	563299	589.73	11.23	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1305	-	-	-	-	-	0.14	0.019	8.2	7914446	563306	589.41	10.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1305	-	-	-	-	-	0.14	0.019	8.2	7914446	563306	589.41	10.91	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1307	-	-	-	-	-	0.03	0.009	8	7914452	563313	589.19	10.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1307	-	-	-	-	-	0.03	0.009	8	7914452	563313	589.19	10.69	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1309	-	-	-	-	-	0.19	0.019	7.9	7914457	563321	588.93	10.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1309	-	-	-	-	-	0.19	0.019	7.9	7914457	563321	588.93	10.43	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1333	-	-	-	-	-	0.06	0.015	8.1	7914521	563407	583.74	5.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1333	-	-	-	-	-	0.06	0.015	8.1	7914521	563407	583.74	5.24	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1400	-	-	-	-	-	0.17	0.018	8.1	7914429	563290	590.23	11.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1400	-	-	-	-	-	0.17	0.018	8.1	7914429	563290	590.23	11.73	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1402	-	-	-	-	-	0.13	0.018	8.3	7914435	563298	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1402	-	-	-	-	-	0.13	0.018	8.3	7914435	563298	589.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1404	-	-	-	-	-	0.11	0.025	8.2	7914440	563305	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1404	-	-	-	-	-	0.11	0.025	8.2	7914440	563305	589.52	11.02	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1408	-	-	-	-	-	0.11	0.02	8	7914451	563320	588.8	10.3	CHLORITE SCHIST	Non-AG
2020	Pit	580	N1_580_061	1408	-	-	-	-	-	0.11	0.02	8	7914451	563320	588.8	10.3	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	200	-	-	-	-	-	0.23	0.012	9.1	7914092	562951	599.98	11.48	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	220	-	-	-	-	-	0.54	0.044	6	7914036	562928	600.96	12.46	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	301	-	-	-	-	-	0.07	0.003	9	7914087	562952	600.66	12.16	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	302	-	-	-	-	-	0.03	0.007	8.7	7914082	562950	600.56	12.06	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	304	-	-	-	-	-	0.01	0.012	8.7	7914073	562946	600.53	12.03	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	306	-	-	-	-	-	0.1	0.08	8.4	7914065	562942	600.92	12.42	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1000	-	-	-	-	-	0.13	0.006	6.8	7914090	562958	600.17	11.67	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1200	-	-	-	-	-	0.06	0.004	8.9	7914083	562955	600.28	11.78	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1220	-	-	-	-	-	0.04	0.012	6.6	7914047	563037	599.9	11.4	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1301	-	-	-	-	-	0.06	0.009	8.4	7914077	562957	600.35	11.85	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1400	-	-	-	-	-	0.22	0.016	8.8	7914075	562951	600.45	11.95	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1420	-	-	-	-	-	0.04	0.014	7.1	7914038	563034	599.91	11.41	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1501	-	-	-	-	-	0.08	0.038	7.4	7914069	562954	600.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1600	-	-	-	-	-	0.1	0.054	8.6	7914067	562948	600.49	11.99	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1701	-	-	-	-	-	0.05	0.178	6.2	7914061	562950	600.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	1800	-	-	-	-	-	0.01	0.115	7	7914059	562944	600.87	12.37	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_075	2420	-	-	-	-	-	0.02	0.008	7.7	7913997	563015	600.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	214	-	-	-	-	-	0.48	0.056	7	7913992	562910	600	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	216	-	-	-	-	-	0.05	0.003	9.2	7913987	562908	600	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	218	-	-	-	-	-	0.11	0.008	9	7913982	562906	600	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	310	-	-	-	-	-	0.03	0.006	9	7913984	562910	600	11.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	312	-	-	-	-	-	0.08	0.01	8.8	7913978	562907	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1111	-	-	-	-	-	0.05	0.004	8.2	7914004	562976	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1210	-	-	-	-	-	0.66	0.004	8.2	7914002	562970	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1212	-	-	-	-	-	0.06	0.006	8.5	7913998	562978	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1308	-	-	-	-	-	0.8	0.052	7.9	7914003	562961	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1309	-	-	-	-	-	0.11	0.004	8.5	7914001	562965	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1311	-	-	-	-	-	0.14	0.003	8.7	7913997	562973	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1410	-	-	-	-	-	0.1	0.09	6.7	7913995	562967	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1412	-	-	-	-	-	0.03	0.003	8.7	7913991	562976	598.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_077	1414	-	-	-	-	-	0.03	0.006	8.1	7913988	562984	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1509	-	-	-	-	-	0.03	0.003	9.2	7913993	562962	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1511	-	-	-	-	-	0.04	0.003	9.5	7913989	562970	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1513	-	-	-	-	-	0.04	0.01	9	7913986	562978	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1515	-	-	-	-	-	0.03	0.003	9	7913982	562986	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1608	-	-	-	-	-	0.12	0.003	9.1	7913991	562956	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1610	-	-	-	-	-	0.12	0.003	9.2	7913987	562963	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1612	-	-	-	-	-	0.14	0.003	8.9	7913984	562972	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1614	-	-	-	-	-	0.28	0.003	9.2	7913980	562981	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1616	-	-	-	-	-	0.17	0.016	9.4	7913977	562989	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1618	-	-	-	-	-	0.14	0.003	8.3	7913973	562997	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1707	-	-	-	-	-	0.04	0.003	8.9	7913988	562950	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1709	-	-	-	-	-	0.01	0.003	8.7	7913985	562958	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1711	-	-	-	-	-	0.09	0.003	9.3	7913982	562967	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1713	-	-	-	-	-	0.12	0.003	8.8	7913978	562975	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1715	-	-	-	-	-	0.14	0.026	9.3	7913974	562983	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1717	-	-	-	-	-	0.11	0.02	9.2	7913971	562991	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1719	-	-	-	-	-	0.07	0.005	8.8	7913967	563000	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1800	-	-	-	-	-	0.1	0.004	8.7	7913996	562919	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1802	-	-	-	-	-	0.06	0.005	8.7	7913993	562927	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1804	-	-	-	-	-	0.06	0.006	8.6	7913989	562936	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1806	-	-	-	-	-	0.13	0.003	8.9	7913986	562944	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1808	-	-	-	-	-	0.1	0.003	9.7	7913982	562952	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1810	-	-	-	-	-	0.05	0.004	9.8	7913978	562961	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1812	-	-	-	-	-	0.08	0.005	9.6	7913975	562969	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1814	-	-	-	-	-	0.13	0.003	8.7	7913972	562977	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1816	-	-	-	-	-	0.12	0.014	9.4	7913968	562985	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1818	-	-	-	-	-	0.13	0.016	9.6	7913965	562994	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1820	-	-	-	-	-	0.01	0.035	9	7913961	563002	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1901	-	-	-	-	-	0.06	0.003	8.9	7913990	562921	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1903	-	-	-	-	-	0.08	0.003	9	7913987	562930	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1905	-	-	-	-	-	0.07	0.003	9.5	7913983	562938	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1907	-	-	-	-	-	0.08	0.004	9.7	7913980	562946	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1909	-	-	-	-	-	0.06	0.003	9.7	7913976	562955	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1911	-	-	-	-	-	0.1	0.004	9.4	7913973	562963	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1913	-	-	-	-	-	0.05	0.022	9.7	7913969	562971	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1915	-	-	-	-	-	0.07	0.003	9.5	7913966	562980	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1917	-	-	-	-	-	0.06	0.004	8.8	7913962	562988	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1919	-	-	-	-	-	0.07	0.006	9.7	7913959	562996	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1921	-	-	-	-	-	0.06	0.007	9.1	7913955	563004	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	1923	-	-	-	-	-	0.07	0.011	8.7	7913952	563013	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2000	-	-	-	-	-	0.11	0.003	8.8	7913988	562915	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2002	-	-	-	-	-	0.07	0.003	9.4	7913984	562924	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2004	-	-	-	-	-	0.11	0.01	9.5	7913981	562932	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2006	-	-	-	-	-	0.15	0.003	8.9	7913977	562940	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2008	-	-	-	-	-	0.19	0.005	9.2	7913974	562949	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2010	-	-	-	-	-	0.14	0.006	9.4	7913970	562957	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2012	-	-	-	-	-	0.1	0.062	9.6	7913967	562965	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2014	-	-	-	-	-	0.07	0.036	9.7	7913963	562974	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2016	-	-	-	-	-	0.14	0.004	9.5	7913960	562982	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2018	-	-	-	-	-	0.16	0.004	9.2	7913957	562990	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2020	-	-	-	-	-	0.13	0.005	9.7	7913953	562999	598.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_077	2022	-	-	-	-	-	0.06	0.006	9.7	7913950	563007	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2024	-	-	-	-	-	0.05	0.01	8.6	7913947	563015	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2101	-	-	-	-	-	0.11	0.005	9.5	7913981	562918	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2104	-	-	-	-	-	0.11	0.005	9.6	7913977	562930	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2106	-	-	-	-	-	0.1	0.04	9.2	7913973	562939	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2108	-	-	-	-	-	0.08	0.003	9.6	7913970	562947	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2110	-	-	-	-	-	0.14	0.034	9.6	7913966	562955	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2112	-	-	-	-	-	0.09	0.006	9.9	7913963	562964	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2113	-	-	-	-	-	0.1	0.026	9.6	7913961	562968	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2115	-	-	-	-	-	0.12	0.003	8.7	7913958	562976	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2117	-	-	-	-	-	0.13	0.008	9.6	7913954	562984	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2119	-	-	-	-	-	0.12	0.003	9.4	7913951	562993	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2121	-	-	-	-	-	0.01	0.012	8.9	7913947	563000	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2123	-	-	-	-	-	0.06	0.007	9.2	7913944	563009	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2125	-	-	-	-	-	0.07	0.018	9.1	7913941	563018	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2200	-	-	-	-	-	0.06	0.009	9.4	7913980	562912	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2202	-	-	-	-	-	0.03	0.003	9.5	7913976	562920	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2204	-	-	-	-	-	0.03	0.003	8.8	7913973	562929	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2206	-	-	-	-	-	0.05	0.02	8.9	7913969	562937	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2208	-	-	-	-	-	0.02	0.003	9.2	7913966	562945	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2210	-	-	-	-	-	0.12	0.003	9.4	7913962	562954	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2212	-	-	-	-	-	0.18	0.013	9.7	7913959	562962	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2214	-	-	-	-	-	0.09	0.003	9.6	7913955	562970	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2216	-	-	-	-	-	0.11	0.003	9.5	7913952	562979	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2218	-	-	-	-	-	0.15	0.009	9.9	7913948	562987	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2220	-	-	-	-	-	0.16	0.043	9.8	7913945	562995	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2222	-	-	-	-	-	0.1	0.066	9.5	7913942	563004	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2224	-	-	-	-	-	0.02	0.005	9	7913938	563012	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2303	-	-	-	-	-	0.09	0.003	9.5	7913969	562922	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2305	-	-	-	-	-	0.04	0.003	9.1	7913966	562931	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2307	-	-	-	-	-	0.03	0.003	9.2	7913963	562939	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2309	-	-	-	-	-	0.02	0.008	9.2	7913960	562948	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2311	-	-	-	-	-	0.15	0.081	9.3	7913956	562956	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2313	-	-	-	-	-	0.11	0.008	9.7	7913953	562964	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2315	-	-	-	-	-	0.05	0.004	9.2	7913949	562973	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2317	-	-	-	-	-	0.11	0.022	9.8	7913946	562981	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2319	-	-	-	-	-	0.07	0.005	9.7	7913942	562989	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2321	-	-	-	-	-	0.03	0.003	9.3	7913939	562997	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2323	-	-	-	-	-	0.14	0.014	9.7	7913935	563006	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2325	-	-	-	-	-	0.03	0.044	8.6	7913932	563014	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2404	-	-	-	-	-	0.13	0.003	9.3	7913964	562926	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2406	-	-	-	-	-	0.15	0.003	8.8	7913961	562934	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2408	-	-	-	-	-	0.07	0.026	9.1	7913958	562942	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2410	-	-	-	-	-	0.12	0.003	9.1	7913954	562950	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2412	-	-	-	-	-	0.07	0.025	9.6	7913950	562958	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2414	-	-	-	-	-	0.03	0.003	9.5	7913947	562967	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2116	-	-	-	-	-	0.05	0.003	9	7913943	562975	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2418	-	-	-	-	-	0.06	0.005	9.5	7913940	562983	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2420	-	-	-	-	-	0.09	0.003	9.3	7913936	562992	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2422	-	-	-	-	-	0.07	0.003	9.1	7913933	563000	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2424	-	-	-	-	-	0.17	0.003	9.2	7913930	563008	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2507	-	-	-	-	-	0.04	0.003	8.7	7913954	562936	598.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_077	2509	-	-	-	-	-	0.06	0.004	8.9	7913952	562944	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2511	-	-	-	-	-	0.05	0.039	9	7913946	562952	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2513	-	-	-	-	-	0.04	0.003	9.3	7913945	562961	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2515	-	-	-	-	-	0.05	0.003	8.9	7913941	562969	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2517	-	-	-	-	-	0.19	0.003	9.5	7913938	562977	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2519	-	-	-	-	-	0.01	0.024	9.6	7913934	562986	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2521	-	-	-	-	-	0.04	0.031	9.3	7913931	562994	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2523	-	-	-	-	-	0.03	0.007	9.3	7913927	563002	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2525	-	-	-	-	-	0.13	0.009	9.1	7913924	563011	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2608	-	-	-	-	-	0.07	0.003	8.7	7913950	562939	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2610	-	-	-	-	-	0.05	0.068	9	7913945	562946	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2612	-	-	-	-	-	0.06	0.025	9.1	7913942	562955	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2614	-	-	-	-	-	0.06	0.029	9.6	7913939	562964	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2616	-	-	-	-	-	0.15	0.003	9.2	7913935	562972	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2618	-	-	-	-	-	0.18	0.008	9.4	7913932	562980	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2620	-	-	-	-	-	0.01	0.004	9.4	7913928	562988	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2622	-	-	-	-	-	0.12	0.021	9.6	7913925	562996	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2624	-	-	-	-	-	0.21	0.009	9.1	7913920	563004	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2713	-	-	-	-	-	0.01	0.009	9.1	7913935	562957	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2715	-	-	-	-	-	0.07	0.027	9.5	7913933	562966	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2717	-	-	-	-	-	0.02	0.003	9.2	7913929	562974	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2719	-	-	-	-	-	0.01	0.009	9.4	7913926	562982	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2721	-	-	-	-	-	0.01	0.038	9.5	7913922	562991	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2723	-	-	-	-	-	0.01	0.028	8.9	7913919	562999	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2725	-	-	-	-	-	0.13	0.006	8.8	7913916	563007	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2816	-	-	-	-	-	0.01	0.003	9.6	7913926	562968	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2917	-	-	-	-	-	0.01	0.014	9.5	7913924	562972	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2818	-	-	-	-	-	0.02	0.003	9.3	7913924	562977	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2820	-	-	-	-	-	0.01	0.039	9.7	7913920	562985	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2822	-	-	-	-	-	0.02	0.02	9.2	7913916	562993	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2824	-	-	-	-	-	0.25	0.008	9.2	7913913	563001	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2919	-	-	-	-	-	0.09	0.003	9.2	7913918	562979	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2921	-	-	-	-	-	0.01	0.069	9.5	7913914	562987	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2923	-	-	-	-	-	0.01	0.014	9.4	7913911	562995	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	2925	-	-	-	-	-	0.03	0.003	9.2	7913907	563004	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3000	-	-	-	-	-	0.2	0.005	9.1	7913976	562911	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3002	-	-	-	-	-	0.13	0.059	8.9	7913968	562917	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3004	-	-	-	-	-	0.1	0.148	9	7913960	562923	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3006	-	-	-	-	-	0.16	0.003	9	7913954	562930	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3008	-	-	-	-	-	0.13	0.01	9.3	7913947	562938	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3010	-	-	-	-	-	0.19	0.034	8.8	7913941	562945	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3012	-	-	-	-	-	0.18	0.077	9.1	7913934	562952	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3014	-	-	-	-	-	0.17	0.003	9.4	7913928	562959	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3016	-	-	-	-	-	0.01	0.003	9.3	7913922	562966	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3018	-	-	-	-	-	0.01	0.003	9.4	7913918	562973	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3020	-	-	-	-	-	0.13	0.016	9.5	7913912	562982	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3022	-	-	-	-	-	0.1	0.018	9.1	7913908	562990	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3024	-	-	-	-	-	0.07	0.003	9.2	7913905	562998	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3101	-	-	-	-	-	0.17	0.032	9.3	7913971	562913	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3103	-	-	-	-	-	0.14	0.03	8.5	7913963	562919	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3105	-	-	-	-	-	0.09	0.019	8.7	7913956	562926	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3107	-	-	-	-	-	0.15	0.008	8.8	7913949	562933	598.5	10	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_077	3109	-	-	-	-	-	0.16	0.042	9.1	7913942	562940	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3111	-	-	-	-	-	0.16	0.071	9.1	7913936	562947	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3113	-	-	-	-	-	0.07	0.018	8.8	7913930	562955	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3115	-	-	-	-	-	0.11	0.009	8.9	7913924	562962	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3117	-	-	-	-	-	0.01	0.008	9.2	7913919	562969	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3119	-	-	-	-	-	0.01	0.003	9.1	7913913	562977	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3121	-	-	-	-	-	0.05	0.035	8.9	7913909	562985	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3123	-	-	-	-	-	0.03	0.006	9.2	7913905	562993	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_077	3125	-	-	-	-	-	0.03	0.004	9	7913901	563001	598.5	10	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1001	-	-	-	-	-	0.04	0.097	9.3	7913970	562905	594.64	6.14	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1003	-	-	-	-	-	0.1	0.022	8.6	7913964	562908	594.6	6.1	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1005	-	-	-	-	-	0.12	0.038	9	7913959	562913	594.33	5.83	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1007	-	-	-	-	-	0.04	0.005	9.1	7913954	562918	594.81	6.31	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1009	-	-	-	-	-	0.03	0.023	9.2	7913948	562922	594.45	5.95	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1011	-	-	-	-	-	0.02	0.009	8.9	7913943	562926	594.54	6.04	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1013	-	-	-	-	-	0.02	0.096	9.2	7913938	562931	594.78	6.28	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1015	-	-	-	-	-	0.03	0.023	8.9	7913933	562936	593.68	5.18	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1017	-	-	-	-	-	0.01	0.013	9	7913928	562941	593.07	4.57	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1019	-	-	-	-	-	0.02	0.025	8.8	7913923	562946	592.65	4.15	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1021	-	-	-	-	-	0.04	0.003	8.8	7913919	562953	592.28	3.78	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1023	-	-	-	-	-	0.01	0.003	8.6	7913915	562959	592.48	3.98	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1025	-	-	-	-	-	0.01	0.003	9.1	7913911	562964	592.19	3.69	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1027	-	-	-	-	-	0.01	0.003	8.6	7913907	562970	591.54	3.04	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1029	-	-	-	-	-	0.01	0.003	8.7	7913904	562976	592.1	3.6	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1031	-	-	-	-	-	0.01	0.003	9.1	7913901	562982	592.51	4.01	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1033	-	-	-	-	-	0.01	0.003	8.8	7913898	562989	593.37	4.87	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1035	-	-	-	-	-	0.01	0.009	8.6	7913896	562996	594.23	5.73	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1037	-	-	-	-	-	0.05	0.015	8.7	7913894	563002	595.15	6.64	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1039	-	-	-	-	-	0.01	0.053	9.3	7913892	563009	594.75	6.25	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1041	-	-	-	-	-	0.02	0.003	9	7913890	563016	594.28	5.78	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1043	-	-	-	-	-	0.02	0.003	7.4	7913888	563022	593.94	5.44	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1045	-	-	-	-	-	0.01	0.017	6.4	7913886	563029	593.83	5.33	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1045	-	-	-	-	-	0.01	0.017	6.4	7913886	563029	593.83	5.33	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1047	-	-	-	-	-	0.01	0.012	7	7913885	563036	594.06	5.55	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1051	-	-	-	-	-	0.01	0.026	6.2	7913881	563049	593.8	5.3	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1051	-	-	-	-	-	0.04	0.012	6.2	7913881	563049	593.8	5.3	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1053	-	-	-	-	-	0.01	0.006	9.7	7913881	563059	592.77	4.27	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1055	-	-	-	-	-	0.01	0.008	8.3	7913880	563065	591.74	3.24	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1057	-	-	-	-	-	0.01	0.003	8.6	7913881	563072	591.2	2.7	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1122	-	-	-	-	-	0.04	0.004	8.5	7913914	562952	590	1.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1200	-	-	-	-	-	0.25	0.092	8.6	7913969	562898	593.78	5.28	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1202	-	-	-	-	-	0.39	0.017	8.2	7913963	562902	593.95	5.45	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1205	-	-	-	-	-	0.31	0.144	8.6	7913955	562908	593.91	5.41	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1206	-	-	-	-	-	0.07	0.004	8.8	7913952	562911	590	1.5	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1208	-	-	-	-	-	0.05	0.008	8.6	7913947	562915	593.67	5.17	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1210	-	-	-	-	-	0.02	0.012	9.3	7913943	562921	593.65	5.15	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1212	-	-	-	-	-	0.03	0.004	8.7	7913938	562926	593.75	5.25	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1214	-	-	-	-	-	0.04	0.007	9.2	7913933	562931	593.53	5.03	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1216	-	-	-	-	-	0.22	0.006	8.6	7913928	562936	593.07	4.57	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1218	-	-	-	-	-	0.03	0.008	8.3	7913923	562941	592.52	4.02	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1220	-	-	-	-	-	0.06	0.011	8.5	7913918	562946	591.69	3.19	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_078	1237	-	-	-	-	-	0.03	0.003	9.4	7913892	563000	594.3	5.8	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_079	1017	-	-	-	-	-	0.04	0.02	7.6	7913929	563023	599.99	11.49	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1019	-	-	-	-	-	0.06	0.142	7.7	7913923	563020	599.82	11.32	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1021	-	-	-	-	-	0.01	0.057	9.5	7913915	563016	599.87	11.37	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1023	-	-	-	-	-	0.05	0.021	9.9	7913909	563013	599.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1023	-	-	-	-	-	0.05	0.021	9.9	7913909	563013	599.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1118	-	-	-	-	-	0.08	0.013	8.8	7913925	563025	599.93	11.43	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1120	-	-	-	-	-	0.01	0.016	9.3	7913918	563020	599.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1122	-	-	-	-	-	0.04	0.015	9.3	7913911	563018	599.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1124	-	-	-	-	-	0.03	0.01	9.7	7913903	563015	599.83	11.33	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1201	-	-	-	-	-	0.1	0.01	7	7913988	563054	600.31	11.81	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1215	-	-	-	-	-	0.11	0.009	8.4	7913930	563031	599.91	11.41	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1217	-	-	-	-	-	0.04	0.038	8.2	7913922	563027	600.06	11.56	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1219	-	-	-	-	-	0.01	0.005	9.3	7913913	563023	599.94	11.44	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1221	-	-	-	-	-	0.07	0.01	9.8	7913905	563020	599.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1314	-	-	-	-	-	0.66	0.008	6.8	7913932	563036	599.93	11.43	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1316	-	-	-	-	-	0.1	0.021	9.8	7913924	563033	600.1	11.6	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1318	-	-	-	-	-	0.01	0.018	8.7	7913916	563029	599.88	11.38	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1320	-	-	-	-	-	0.01	0.017	9.3	7913909	563027	599.95	11.45	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1322	-	-	-	-	-	0.01	0.07	8.9	7913901	563023	599.66	11.16	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1415	-	-	-	-	-	0.08	0.013	8.9	7913926	563039	599.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1417	-	-	-	-	-	0.09	0.005	9.1	7913918	563035	599.93	11.43	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1419	-	-	-	-	-	0.04	0.026	9.5	7913911	563033	599.68	11.18	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1421	-	-	-	-	-	0.01	0.032	9.1	7913903	563029	599.72	11.22	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1516	-	-	-	-	-	0.05	0.003	9.4	7913921	563041	599.74	11.24	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1518	-	-	-	-	-	0.01	0.004	8.9	7913913	563038	599.91	11.41	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1520	-	-	-	-	-	0.02	0.028	9.5	7913906	563035	599.48	10.98	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1522	-	-	-	-	-	0.01	0.03	9.4	7913899	563032	599.79	11.29	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1617	-	-	-	-	-	0.01	0.003	9.4	7913915	563044	599.97	11.47	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1619	-	-	-	-	-	0.01	0.008	9.4	7913905	563040	599.86	11.36	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1716	-	-	-	-	-	0.01	0.009	6.9	7913918	563050	600.33	11.83	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1718	-	-	-	-	-	0.01	0.003	9.3	7913910	563046	599.99	11.49	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1720	-	-	-	-	-	0.01	0.003	9.2	7913900	563042	599.8	11.3	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1817	-	-	-	-	-	0.06	0.006	9.6	7913912	563052	600.15	11.65	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1819	-	-	-	-	-	0.03	0.055	9.5	7913903	563048	599.57	11.07	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1918	-	-	-	-	-	0.04	0.004	9.7	7913906	563055	599.78	11.28	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	1920	-	-	-	-	-	0.01	0.038	9.4	7913898	563050	599.03	10.53	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2001	-	-	-	-	-	0.03	0.013	9	7913895	563021	600.52	12.02	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2003	-	-	-	-	-	0.01	0.018	8.8	7913894	563031	600.65	12.15	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2005	-	-	-	-	-	0.01	0.054	9	7913893	563039	600.55	12.05	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2007	-	-	-	-	-	0.01	0.009	9.5	7913891	563048	600.32	11.82	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2009	-	-	-	-	-	0.01	0.013	9.7	7913891	563058	600.97	12.47	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2100	-	-	-	-	-	0.03	0.003	8.9	7913898	563018	600.41	11.91	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2102	-	-	-	-	-	0.02	0.05	8.6	7913897	563027	600.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2104	-	-	-	-	-	0.01	0.007	8.9	7913896	563036	600.04	11.54	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2106	-	-	-	-	-	0.01	0.011	9.5	7913895	563045	600.08	11.58	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	2108	-	-	-	-	-	0.01	0.017	9.4	7913894	563055	600.14	11.64	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	3019	-	-	-	-	-	0.23	0.008	8.9	7913901	563058	599.91	11.41	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_079	3120	-	-	-	-	-	0.11	0.01	8.7	7913896	563060	599.77	11.27	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	1000	-	-	-	-	-	0.14	0.031	8.4	7913894	563068	599.75	11.25	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	1012	-	-	-	-	-	0.04	0.012	8.8	7913944	563088	600.03	11.53	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	2036	-	-	-	-	-	0.05	0.003	8.2	7913887	563075	599.5	11	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	2038	-	-	-	-	-	0.02	0.013	8.8	7913889	563067	599.78	11.28	CHLORITE SCHIST	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	590	N1_590_081	2135	-	-	-	-	-	0.2	0.006	7.5	7913889	563079	599.85	11.35	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	2137	-	-	-	-	-	0.03	0.004	8.6	7913890	563071	599.81	11.31	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	3313	-	-	-	-	-	0.07	0.007	6.9	7913906	563123	600.4	11.9	CHLORITE SCHIST	Non-AG
2020	Pit	590	N1_590_081	3600	-	-	-	-	-	0.13	0.008	7.9	7913892	563076	599.84	11.34	CHLORITE SCHIST	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001116	-	-	-	-	-	0.27	0.01	9.5	7914840	563313	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001120	-	-	-	-	-	0.24	0.04	9.4	7914855	563325	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001314	-	-	-	-	-	0.13	0.01	8.8	7914839	563300	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001318	-	-	-	-	-	0.58	0.028	9.5	7914854	563312	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001516	-	-	-	-	-	0.06	0.01	9.4	7914852	563299	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001520	-	-	-	-	-	0.17	0.02	9.8	7914867	563311	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001717	-	-	-	-	-	0.01	0.06	9.1	7914851	563286	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_095001718	-	-	-	-	-	0.05	0.003	9.8	7914866	563297	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	1916	-	-	-	-	-	0.02	0.04	9.1	7914864	563284	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_095	N2_640_097003005	-	-	-	-	-	0.01	0.03	9.2	7914879	563296	648.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3006	-	-	-	-	-	0.02	0.02	9.9	7914872	563316	649.91	11.41	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3011	-	-	-	-	-	0.12	0.03	9.6	7914884	563301	650.27	11.77	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3101	-	-	-	-	-	0.07	0.02	9.1	7914864	563333	649.97	11.47	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3208	-	-	-	-	-	0.09	0.01	10	7914888	563310	649.98	11.48	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3401	-	-	-	-	-	0.04	0.06	9.3	7914875	563342	649.63	11.13	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3404	-	-	-	-	-	0.03	0.01	9.4	7914884	563331	649.91	11.41	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3508	-	-	-	-	-	0.07	0.04	9.9	7914899	563319	649.92	11.42	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3700	-	-	-	-	-	0.08	0.1	8.5	7914882	563354	649.75	11.25	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3704	-	-	-	-	-	0.06	0.01	9.8	7914895	563340	649.84	11.34	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_097	3707	-	-	-	-	-	0.09	0.01	9.5	7914904	563329	649.95	11.45	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1100	-	-	-	-	-	0.01	0.15	9.5	7914818	563301	649.59	11.09	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1106	-	-	-	-	-	0.01	0.01	9.7	7914835	563280	649.4	10.9	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1202	-	-	-	-	-	0.02	0.12	9.4	7914821	563292	649.57	11.07	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1208	-	-	-	-	-	0.14	0.01	10	7914839	563270	649.95	11.45	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1304	-	-	-	-	-	0.13	0.04	9.9	7914824	563282	649.65	11.15	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1400	-	-	-	-	-	0.01	0.03	9.4	7914809	563293	649.41	10.91	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1406	-	-	-	-	-	0.03	0.05	9.9	7914826	563271	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1502	-	-	-	-	-	0.04	0.1	9.1	7914810	563283	649.54	11.04	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1508	-	-	-	-	-	0.04	0.03	9.6	7914828	563262	650.06	11.56	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1604	-	-	-	-	-	0.01	0.09	10	7914812	563273	650	11.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1700	-	-	-	-	-	0.01	0.06	9.3	7914797	563284	649.8	11.3	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1706	-	-	-	-	-	0.01	0.02	9.8	7914815	563263	649.95	11.45	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1802	-	-	-	-	-	0.01	0.01	9.9	7914799	563274	649.91	11.41	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1808	-	-	-	-	-	0.01	0.05	10	7914817	563253	649.72	11.22	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	1904	-	-	-	-	-	0.03	0.01	9.6	7914802	563264	649.61	11.11	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2000	-	-	-	-	-	0.02	0.01	9	7914786	563276	650	11.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2006	-	-	-	-	-	0.05	0.01	9.7	7914804	563254	649.36	10.86	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2108	-	-	-	-	-	0.01	0.01	9.7	7914806	563244	649.28	10.78	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2204	-	-	-	-	-	0.04	0.18	9.4	7914791	563255	649.18	10.68	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2300	-	-	-	-	-	0.03	0.03	9.3	7914775	563267	650.02	11.52	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2306	-	-	-	-	-	0.1	0.11	9.2	7914793	563245	648.7	10.2	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_099	2309	-	-	-	-	-	0.03	0.04	9.7	7914801	563234	649.09	10.59	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1000	-	-	-	-	-	0.02	0.018	9.3	7914771	563274	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1002	-	-	-	-	-	0.2	0.058	9.2	7914778	563279	650.3	11.8	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1004	-	-	-	-	-	0.22	0.06	9	7914786	563284	650.1	11.6	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1006	-	-	-	-	-	0.07	0.092	8.2	7914793	563290	649.7	11.2	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1008	-	-	-	-	-	0.09	0.034	8.7	7914800	563296	649.88	11.38	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1010	-	-	-	-	-	0.08	0.075	9	7914808	563302	649.79	11.29	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	640	N2_640_101	1012	-	-	-	-	-	0.07	0.035	9.6	7914816	563308	650.01	11.51	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1014	-	-	-	-	-	0.06	0.003	9.1	7914822	563313	650.22	11.72	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1016	-	-	-	-	-	0.01	0.003	9.2	7914829	563320	650.17	11.67	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1018	-	-	-	-	-	0.08	0.003	9.8	7914837	563326	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1020	-	-	-	-	-	0.06	0.003	9.6	7914844	563331	649.89	11.39	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1022	-	-	-	-	-	0.09	0.006	9.2	7914852	563337	649.75	11.25	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1024	-	-	-	-	-	0.06	0.019	9.3	7914859	563344	649.95	11.45	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1026	-	-	-	-	-	0.04	0.076	9.2	7914866	563350	649.93	11.43	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1028	-	-	-	-	-	0.08	0.066	8.9	7914873	563355	649.53	11.03	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1101	-	-	-	-	-	0.1	0.037	9.2	7914772	563279	650.41	11.91	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1103	-	-	-	-	-	0.13	0.003	9.2	7914780	563284	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1105	-	-	-	-	-	0.1	0.03	8.6	7914787	563290	649.99	11.49	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1107	-	-	-	-	-	0.12	0.093	8.2	7914794	563296	650.05	11.55	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1109	-	-	-	-	-	0.1	0.064	9.2	7914801	563302	649.83	11.33	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1111	-	-	-	-	-	0.06	0.143	8	7914809	563308	649.74	11.24	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1113	-	-	-	-	-	0.05	0.008	9	7914816	563314	649.75	11.25	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1115	-	-	-	-	-	0.01	0.003	9	7914823	563320	650.15	11.65	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1117	-	-	-	-	-	0.11	0.003	9.4	7914831	563326	649.97	11.47	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1119	-	-	-	-	-	0.09	0.003	9.6	7914838	563332	649.74	11.24	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1121	-	-	-	-	-	0.09	0.005	9.7	7914845	563338	649.62	11.12	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1123	-	-	-	-	-	0.06	0.004	9.7	7914852	563344	649.89	11.39	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1125	-	-	-	-	-	0.1	0.032	8.7	7914859	563350	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1127	-	-	-	-	-	0.01	0.149	7.3	7914867	563356	649.55	11.05	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1200	-	-	-	-	-	0.01	0.017	9.2	7914766	563279	650.24	11.74	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1202	-	-	-	-	-	0.08	0.062	8.9	7914773	563285	650.12	11.62	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1204	-	-	-	-	-	0.11	0.026	8.7	7914780	563290	650.01	11.51	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1208	-	-	-	-	-	0.09	0.082	9.2	7914795	563302	649.84	11.34	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1210	-	-	-	-	-	0.13	0.071	9.6	7914803	563308	649.69	11.19	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1212	-	-	-	-	-	0.01	0.014	9.6	7914809	563314	649.38	10.88	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1214	-	-	-	-	-	0.02	0.003	9	7914817	563320	649.84	11.34	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1216	-	-	-	-	-	0.02	0.003	9.2	7914824	563327	649.94	11.44	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1218	-	-	-	-	-	0.06	0.006	9.4	7914831	563332	649.85	11.35	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1220	-	-	-	-	-	0.07	0.009	9.4	7914838	563338	649.73	11.23	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1222	-	-	-	-	-	0.09	0.031	9.1	7914846	563344	649.54	11.04	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1224	-	-	-	-	-	0.1	0.027	8.3	7914853	563350	650.03	11.53	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1226	-	-	-	-	-	0.13	0.192	7.4	7914860	563356	650	11.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1228	-	-	-	-	-	0.01	0.134	8	7914868	563362	649.72	11.22	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	101	-	-	-	-	-	0.07	0.042	8.7	7914766	563285	650.11	11.61	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1303	-	-	-	-	-	0.09	0.033	8.3	7914774	563291	649.83	11.33	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1307	-	-	-	-	-	0.11	0.054	8.6	7914788	563304	649.73	11.23	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1309	-	-	-	-	-	0.2	0.1	9.7	7914795	563308	649.72	11.22	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1311	-	-	-	-	-	0.06	0.012	9	7914803	563315	649.31	10.81	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1313	-	-	-	-	-	0.03	0.003	9.1	7914810	563321	649.43	10.93	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1315	-	-	-	-	-	0.02	0.003	9.5	7914817	563327	649.94	11.44	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1317	-	-	-	-	-	0.01	0.049	9.2	7914824	563333	650.01	11.51	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1319	-	-	-	-	-	0.01	0.036	9.2	7914832	563339	649.68	11.18	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1321	-	-	-	-	-	0.01	0.005	9.1	7914839	563345	649.58	11.08	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1323	-	-	-	-	-	0.02	0.038	8.1	7914846	563350	649.78	11.28	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1325	-	-	-	-	-	0.04	0.133	7.4	7914853	563356	649.93	11.43	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1327	-	-	-	-	-	0.01	0.028	8.2	7914861	563362	649.87	11.37	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1329	-	-	-	-	-	0.01	0.069	8	7914868	563369	649.74	11.24	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1400	-	-	-	-	-	0.01	0.026	8.8	7914760	563286	650.23	11.73	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	640	N2_640_101	1404	-	-	-	-	-	0.06	0.022	8.2	7914774	563298	649.73	11.23	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1406	-	-	-	-	-	0.1	0.01	8.8	7914782	563304	649.73	11.23	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1408	-	-	-	-	-	0.13	0.004	9.1	7914789	563310	649.71	11.21	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1410	-	-	-	-	-	0.11	0.04	9.5	7914796	563316	649.56	11.06	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1412	-	-	-	-	-	0.01	0.014	9.3	7914804	563322	649.55	11.05	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1414	-	-	-	-	-	0.01	0.009	9.5	7914810	563328	649.74	11.24	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1416	-	-	-	-	-	0.02	0.008	9.8	7914818	563334	649.91	11.41	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1418	-	-	-	-	-	0.01	0.003	9.7	7914825	563340	649.89	11.39	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1420	-	-	-	-	-	0.01	0.004	9.5	7914833	563346	649.59	11.09	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1422	-	-	-	-	-	0.01	0.049	9.4	7914840	563352	649.55	11.05	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1424	-	-	-	-	-	0.01	0.013	9.3	7914847	563358	649.78	11.28	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1426	-	-	-	-	-	0.01	0.049	8.3	7914854	563363	649.75	11.25	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1501	-	-	-	-	-	0.05	0.037	8.1	7914760	563293	650.07	11.57	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1503	-	-	-	-	-	0.08	0.04	8.6	7914768	563299	650	11.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1505	-	-	-	-	-	0.06	0.174	8.9	7914775	563305	649.76	11.26	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1507	-	-	-	-	-	0.06	0.026	8.4	7914782	563310	649.82	11.32	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1509	-	-	-	-	-	0.07	0.027	9.2	7914789	563317	649.73	11.23	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1511	-	-	-	-	-	0.09	0.045	9	7914797	563322	649.61	11.11	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1513	-	-	-	-	-	0.01	0.142	9.2	7914804	563329	649.76	11.26	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1515	-	-	-	-	-	0.01	0.017	9.6	7914811	563335	649.71	11.21	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1517	-	-	-	-	-	0.01	0.01	9.5	7914819	563341	649.8	11.3	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1519	-	-	-	-	-	0.01	0.012	9.1	7914826	563346	649.64	11.14	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1521	-	-	-	-	-	0.01	0.012	8.7	7914833	563352	649.54	11.04	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1523	-	-	-	-	-	0.01	0.045	8.8	7914840	563358	649.59	11.09	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1527	-	-	-	-	-	0.03	0.08	7.6	7914855	563370	649.86	11.36	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1529	-	-	-	-	-	0.01	0.07	8.7	7914862	563376	652.06	13.56	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1600	-	-	-	-	-	0.05	0.174	7	7914754	563294	650.28	11.78	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1602	-	-	-	-	-	0.01	0.036	8	7914761	563299	650.02	11.52	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1604	-	-	-	-	-	0.1	0.028	8.3	7914768	563305	649.69	11.19	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1606	-	-	-	-	-	0.13	0.027	8.8	7914775	563311	649.92	11.42	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1608	-	-	-	-	-	0.14	0.032	8.3	7914783	563317	650.1	11.6	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1610	-	-	-	-	-	0.18	0.005	8.9	7914790	563323	649.67	11.17	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1614	-	-	-	-	-	0.05	0.007	9.4	7914805	563335	649.75	11.25	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1616	-	-	-	-	-	0.07	0.085	9.5	7914811	563341	649.65	11.15	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1618	-	-	-	-	-	0.05	0.014	9.8	7914819	563347	649.66	11.16	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1620	-	-	-	-	-	0.11	0.01	9.6	7914826	563353	649.5	11	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1622	-	-	-	-	-	0.01	0.021	9	7914834	563359	649.28	10.78	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1624	-	-	-	-	-	0.01	0.087	8	7914841	563365	649.65	11.15	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1626	-	-	-	-	-	0.01	0.097	7.5	7914848	563371	650.41	11.91	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1628	-	-	-	-	-	0.01	0.015	9	7914856	563377	651.2	12.7	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1709	-	-	-	-	-	0.01	0.073	7.7	7914784	563324	649.89	11.39	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1711	-	-	-	-	-	0.03	0.112	8.4	7914791	563330	649.64	11.14	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1713	-	-	-	-	-	0.01	0.013	8.6	7914798	563336	649.61	11.11	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1715	-	-	-	-	-	0.1	0.01	9	7914805	563341	649.56	11.06	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1717	-	-	-	-	-	0.1	0.034	9.6	7914813	563347	649.33	10.83	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1719	-	-	-	-	-	0.09	0.038	9.1	7914820	563354	649.43	10.93	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1721	-	-	-	-	-	0.09	0.091	8.2	7914827	563359	649.17	10.67	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1723	-	-	-	-	-	0.01	0.046	7.9	7914835	563365	649.46	10.96	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1725	-	-	-	-	-	0.01	0.036	8.6	7914842	563372	650.72	12.22	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1727	-	-	-	-	-	0.01	0.116	8.1	7914849	563377	651.21	12.71	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1814	-	-	-	-	-	0.01	0.046	8.3	7914799	563342	649.35	10.85	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1816	-	-	-	-	-	0.01	0.021	8.2	7914806	563348	649.42	10.92	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	640	N2_640_101	1818	-	-	-	-	-	0.01	0.006	8.9	7914813	563354	649.36	10.86	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1820	-	-	-	-	-	0.01	0.014	9	7914820	563360	649.5	11	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1822	-	-	-	-	-	0.01	0.063	8	7914828	563366	650.16	11.66	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1824	-	-	-	-	-	0.01	0.153	7.9	7914835	563373	651.09	12.59	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1917	-	-	-	-	-	0.01	0.078	8.1	7914806	563356	651.16	12.66	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	640	N2_640_101	1919	-	-	-	-	-	0.01	0.035	7.9	7914814	563361	651.02	12.52	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1000	-	-	-	-	-	0.05	0.014	9.1	7915011	563307	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1003	-	-	-	-	-	0.03	0.003	9.3	7915010	563321	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1103	-	-	-	-	-	0.02	0.003	9.2	7915014	563319	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1104	-	-	-	-	-	0.12	0.006	8.9	7915014	563323	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1107	-	-	-	-	-	0.27	0.004	8.8	7915012	563336	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1200	-	-	-	-	-	0.04	0.003	9.2	7915020	563308	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1203	-	-	-	-	-	0.04	0.016	8.6	7915018	563319	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1205	-	-	-	-	-	0.15	0.006	8.8	7915016	563326	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1209	-	-	-	-	-	0.19	0.062	8.5	7915014	563342	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1304	-	-	-	-	-	0.09	0.009	8.8	7915021	563323	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1400	-	-	-	-	-	0.15	0.004	8.8	7915028	563308	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1403	-	-	-	-	-	0.16	0.019	8.6	7915026	563320	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1405	-	-	-	-	-	0.08	0.003	9.1	7915024	563327	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1407	-	-	-	-	-	0.1	0.005	8.7	7915023	563335	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1501	-	-	-	-	-	0.18	0.009	8.7	7915031	563312	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1504	-	-	-	-	-	0.15	0.043	8.4	7915029	563324	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1600	-	-	-	-	-	0.13	0.003	8.8	7915036	563309	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1603	-	-	-	-	-	0.28	0.043	8.7	7915034	563321	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1702	-	-	-	-	-	0.03	0.017	8.6	7915038	563317	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1704	-	-	-	-	-	0.14	0.078	8.6	7915037	563325	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1805	-	-	-	-	-	0.26	0.008	8.8	7915040	563330	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1901	-	-	-	-	-	0.17	0.009	8.9	7915047	563315	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	1904	-	-	-	-	-	0.45	0.018	8.5	7915045	563326	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_091	2101	-	-	-	-	-	0.34	0.007	8.6	7915055	563316	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_095	1204	-	-	-	-	-	0.14	0.022	8.5	7914705	563235	659	10.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_095	1402	-	-	-	-	-	0.13	0.051	8.1	7914705	563220	659	10.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_095	1406	-	-	-	-	-	0.03	0.047	7.7	7914720	563235	659	10.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_095	1410	-	-	-	-	-	0.06	0.144	7.4	7914735	563249	659	10.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_095	1414	-	-	-	-	-	0.01	0.02	8.5	7914749	563264	659	10.5	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1017	-	-	-	-	-	0.06	0.014	9.8	7914803	563172	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1105	-	-	-	-	-	0.11	0.04	9.2	7914761	563146	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1109	-	-	-	-	-	0.06	0.018	9.5	7914775	563160	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1113	-	-	-	-	-	0.01	0.008	9.3	7914788	563172	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1303	-	-	-	-	-	0.05	0.023	9.3	7914761	563133	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1307	-	-	-	-	-	0.05	0.051	9.6	7914775	563146	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1505	-	-	-	-	-	0.11	0.028	9.8	7914775	563131	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	650	N2_650_099	1513	-	-	-	-	-	0.08	0.029	9.9	7914806	563159	658.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1008	-	-	-	-	-	0.01	0.008	8.9	7914725	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1010	-	-	-	-	-	0.06	0.007	9.7	7914714	563177	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1012	-	-	-	-	-	0.05	0.037	9	7914707	563182	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1014	-	-	-	-	-	0.04	0.089	8.2	7914704	563191	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1107	-	-	-	-	-	0.11	0.012	9.1	7914725	563166	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1109	-	-	-	-	-	0.43	0.031	8.6	7914721	563174	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1208	-	-	-	-	-	0.05	0.006	9.3	7914719	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1210	-	-	-	-	-	0.06	0.004	9.4	7914712	563174	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1212	-	-	-	-	-	0.05	0.134	8.2	7914705	563179	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	660	N2_660_105	1214	-	-	-	-	-	0.07	0.167	7.8	7914699	563185	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1307	-	-	-	-	-	0.11	0.018	9.4	7914719	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1309	-	-	-	-	-	0.04	0.009	9.2	7914712	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1311	-	-	-	-	-	0.05	0.026	9.5	7914706	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1313	-	-	-	-	-	0.02	0.038	9.2	7914700	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1317	-	-	-	-	-	0.06	0.039	8.4	7914687	563192	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1408	-	-	-	-	-	0.07	0.008	9.8	7914712	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1410	-	-	-	-	-	0.05	0.042	9.3	7914706	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1412	-	-	-	-	-	0.03	0.013	9.1	7914700	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1414	-	-	-	-	-	0.05	0.051	8.5	7914693	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1418	-	-	-	-	-	0.05	0.079	8.4	7914681	563192	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1507	-	-	-	-	-	0.04	0.003	9.1	7914712	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1509	-	-	-	-	-	0.09	0.007	9.5	7914706	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1511	-	-	-	-	-	0.06	0.02	9	7914700	563168	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1513	-	-	-	-	-	0.06	0.032	9.2	7914694	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1515	-	-	-	-	-	0.06	0.027	8.9	7914687	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1517	-	-	-	-	-	0.05	0.038	8.6	7914681	563186	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1608	-	-	-	-	-	0.05	0.072	9.8	7914706	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1610	-	-	-	-	-	0.07	0.027	9.5	7914700	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1612	-	-	-	-	-	0.04	0.034	9.3	7914694	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1614	-	-	-	-	-	0.06	0.015	9.4	7914687	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1618	-	-	-	-	-	0.05	0.18	7.9	7914675	563186	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1707	-	-	-	-	-	0.06	0.003	9	7914706	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1709	-	-	-	-	-	0.13	0.059	9.6	7914699	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1711	-	-	-	-	-	0.09	0.004	9.7	7914693	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1713	-	-	-	-	-	0.04	0.021	8.8	7914687	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1715	-	-	-	-	-	0.03	0.108	8.8	7914681	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1808	-	-	-	-	-	0.02	0.02	9.8	7914700	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1810	-	-	-	-	-	0.04	0.016	9.6	7914693	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1812	-	-	-	-	-	0.07	0.011	9.5	7914687	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1814	-	-	-	-	-	0.06	0.01	8.9	7914681	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1816	-	-	-	-	-	0.01	0.073	8.1	7914674	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1818	-	-	-	-	-	0.03	0.03	8.4	7914668	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1907	-	-	-	-	-	0.08	0.003	9.2	7914700	563141	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1909	-	-	-	-	-	0.05	0.005	9.9	7914693	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1911	-	-	-	-	-	0.05	0.003	9.2	7914687	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1913	-	-	-	-	-	0.08	0.003	9.6	7914681	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1915	-	-	-	-	-	0.04	0.1	8.9	7914674	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1917	-	-	-	-	-	0.04	0.055	8.4	7914668	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	1919	-	-	-	-	-	0.03	0.017	8.5	7914662	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2008	-	-	-	-	-	0.17	0.012	9.8	7914694	563141	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2010	-	-	-	-	-	0.06	0.008	10	7914687	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2012	-	-	-	-	-	0.31	0.004	9.9	7914681	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2014	-	-	-	-	-	0.04	0.021	8	7914674	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2018	-	-	-	-	-	0.14	0.167	8.7	7914662	563173	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2020	-	-	-	-	-	0.05	0.094	7.9	7914655	563180	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2105	-	-	-	-	-	0.04	0.003	9.3	7914699	563128	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2105	-	-	-	-	-	0.04	0.003	9.3	7914699	563128	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2107	-	-	-	-	-	0.06	0.004	9.4	7914692	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2109	-	-	-	-	-	0.28	0.024	9.4	7914687	563141	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2111	-	-	-	-	-	0.09	0.006	9.7	7914681	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2113	-	-	-	-	-	0.09	0.003	9	7914674	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	660	N2_660_105	2117	-	-	-	-	-	0.03	0.071	8.8	7914662	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2119	-	-	-	-	-	0.05	0.036	8.7	7914655	563174	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2204	-	-	-	-	-	0.12	0.005	8.9	7914699	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2206	-	-	-	-	-	0.16	0.074	8.1	7914693	563128	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2208	-	-	-	-	-	0.39	0.013	9.9	7914687	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2210	-	-	-	-	-	0.39	0.011	9.6	7914680	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2212	-	-	-	-	-	0.11	0.011	9.7	7914674	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2214	-	-	-	-	-	0.04	0.091	8	7914668	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2216	-	-	-	-	-	0.03	0.097	8.3	7914662	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2218	-	-	-	-	-	0.01	0.14	8.5	7914655	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2220	-	-	-	-	-	0.03	0.038	8.3	7914649	563174	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2305	-	-	-	-	-	0.25	0.01	9.7	7914693	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2307	-	-	-	-	-	0.36	0.02	9.2	7914687	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2309	-	-	-	-	-	0.29	0.016	10	7914680	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2311	-	-	-	-	-	0.12	0.029	9.7	7914674	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2313	-	-	-	-	-	0.08	0.047	8.4	7914668	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2315	-	-	-	-	-	0.05	0.044	8.7	7914661	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2317	-	-	-	-	-	0.04	0.035	9.1	7914655	563160	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2319	-	-	-	-	-	0.03	0.098	8.4	7914649	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2404	-	-	-	-	-	0.34	0.004	9.7	7914693	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2406	-	-	-	-	-	0.12	0.007	9.3	7914686	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2408	-	-	-	-	-	0.27	0.01	10	7914680	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2410	-	-	-	-	-	0.15	0.017	9.3	7914674	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2412	-	-	-	-	-	0.07	0.019	9.1	7914667	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2414	-	-	-	-	-	0.07	0.075	9.3	7914661	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2416	-	-	-	-	-	0.1	0.065	9.3	7914655	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2418	-	-	-	-	-	0.07	0.082	9.3	7914649	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2420	-	-	-	-	-	0.05	0.039	8.3	7914643	563167	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2505	-	-	-	-	-	0.07	0.004	9.3	7914686	563115	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2507	-	-	-	-	-	0.16	0.022	9.3	7914680	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2509	-	-	-	-	-	0.29	0.006	9.9	7914674	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2511	-	-	-	-	-	0.1	0.114	9	7914668	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2513	-	-	-	-	-	0.12	0.066	9.3	7914662	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2515	-	-	-	-	-	0.06	0.015	9	7914655	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2517	-	-	-	-	-	0.05	0.047	8.5	7914649	563154	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2519	-	-	-	-	-	0.11	0.133	9	7914642	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2604	-	-	-	-	-	0.08	0.004	9.5	7914686	563109	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2606	-	-	-	-	-	0.07	0.005	9.5	7914680	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2608	-	-	-	-	-	0.21	0.025	9.5	7914674	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2610	-	-	-	-	-	0.05	0.005	9.4	7914668	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2612	-	-	-	-	-	0.09	0.025	8.8	7914661	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2614	-	-	-	-	-	0.01	0.036	9.7	7914655	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2616	-	-	-	-	-	0.04	0.061	9.1	7914649	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2618	-	-	-	-	-	0.04	0.01	9.5	7914642	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2620	-	-	-	-	-	0.05	0.05	8.7	7914636	563161	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2705	-	-	-	-	-	0.08	0.003	9.5	7914680	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2707	-	-	-	-	-	0.15	0.015	9.5	7914674	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2709	-	-	-	-	-	0.24	0.007	9.7	7914668	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2711	-	-	-	-	-	0.09	0.027	8.8	7914661	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2713	-	-	-	-	-	0.08	0.006	9.3	7914655	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2715	-	-	-	-	-	0.01	0.034	9.3	7914649	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2717	-	-	-	-	-	0.01	0.085	8.8	7914642	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	660	N2_660_105	2719	-	-	-	-	-	0.01	0.012	9.2	7914636	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2806	-	-	-	-	-	0.19	0.014	8	7914674	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2808	-	-	-	-	-	0.07	0.015	8.8	7914668	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2810	-	-	-	-	-	0.1	0.005	8.9	7914661	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2812	-	-	-	-	-	0.05	0.004	8.9	7914655	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2814	-	-	-	-	-	0.01	0.091	8.6	7914648	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2816	-	-	-	-	-	0.05	0.062	9.2	7914642	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2818	-	-	-	-	-	0.03	0.014	8.6	7914636	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2820	-	-	-	-	-	0.11	0.015	8.9	7914629	563155	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2907	-	-	-	-	-	0.18	0.018	9.5	7914668	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2907	-	-	-	-	-	0.18	0.018	9.5	7914668	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2909	-	-	-	-	-	0.07	0.004	8.9	7914661	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2911	-	-	-	-	-	0.05	0.058	8.7	7914655	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2913	-	-	-	-	-	0.05	0.05	9.4	7914648	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2915	-	-	-	-	-	0.03	0.004	9.4	7914642	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2917	-	-	-	-	-	0.07	0.128	9.2	7914636	563141	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	2919	-	-	-	-	-	0.06	0.022	8.5	7914630	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3010	-	-	-	-	-	0.05	0.01	8.6	7914655	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3012	-	-	-	-	-	0.05	0.02	8.9	7914648	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3014	-	-	-	-	-	0.01	0.009	9	7914641	563128	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3016	-	-	-	-	-	0.03	0.005	9.3	7914636	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3018	-	-	-	-	-	0.05	0.024	9	7914629	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3020	-	-	-	-	-	0.17	0.029	8.5	7914623	563148	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3113	-	-	-	-	-	0.05	0.028	8.9	7914642	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3115	-	-	-	-	-	0.04	0.003	9	7914636	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3117	-	-	-	-	-	0.06	0.003	8.8	7914629	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3119	-	-	-	-	-	0.06	0.008	8.9	7914623	563142	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3210	-	-	-	-	-	0.06	0.016	8.6	7914648	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3214	-	-	-	-	-	0.01	0.016	8.9	7914636	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3216	-	-	-	-	-	0.06	0.007	8.9	7914629	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3218	-	-	-	-	-	0.04	0.019	8.7	7914623	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3220	-	-	-	-	-	0.06	0.052	8.7	7914617	563141	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3311	-	-	-	-	-	0.03	0.035	8.8	7914642	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3313	-	-	-	-	-	0.06	0.01	9.2	7914636	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3315	-	-	-	-	-	0.03	0.011	9	7914629	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3317	-	-	-	-	-	0.04	0.056	9.1	7914623	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3319	-	-	-	-	-	0.03	0.008	8.9	7914617	563135	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3412	-	-	-	-	-	0.02	0.085	8.9	7914636	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3414	-	-	-	-	-	0.05	0.113	8.8	7914629	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3416	-	-	-	-	-	0.07	0.032	9.3	7914624	563124	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3418	-	-	-	-	-	0.04	0.011	8.5	7914617	563129	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3511	-	-	-	-	-	0.03	0.069	9.5	7914636	563103	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3513	-	-	-	-	-	0.01	0.041	8.8	7914629	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3515	-	-	-	-	-	0.01	0.003	9	7914623	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3517	-	-	-	-	-	0.08	0.006	9.1	7914617	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3519	-	-	-	-	-	0.13	0.016	8.8	7914611	563128	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3612	-	-	-	-	-	0.05	0.036	9.5	7914629	563103	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3614	-	-	-	-	-	0.08	0.008	9.3	7914623	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3616	-	-	-	-	-	0.04	0.008	8.8	7914617	563117	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3618	-	-	-	-	-	0.05	0.063	8.7	7914610	563122	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3711	-	-	-	-	-	0.08	0.011	9	7914629	563097	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3713	-	-	-	-	-	0.04	0.014	9.5	7914623	563103	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG

Notes:

*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.3: Deposit No.1 Waste Rock - Non-AG Geochemistry - Analytical Sampling Results - 2020

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Paste pH	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2020	Pit	660	N2_660_105	3715	-	-	-	-	-	0.04	0.018	9.2	7914617	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3717	-	-	-	-	-	0.06	0.003	8.9	7914610	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3719	-	-	-	-	-	0.01	0.009	8.9	7914605	563123	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3812	-	-	-	-	-	0.07	0.013	9.4	7914623	563097	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3814	-	-	-	-	-	0.14	0.02	9.9	7914617	563103	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3816	-	-	-	-	-	0.04	0.017	9.2	7914610	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3818	-	-	-	-	-	0.08	0.003	9.2	7914604	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3911	-	-	-	-	-	0.14	0.011	9.2	7914623	563091	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3913	-	-	-	-	-	0.09	0.02	9.7	7914616	563097	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3915	-	-	-	-	-	0.08	0.007	9.6	7914611	563104	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3917	-	-	-	-	-	0.09	0.003	9	7914604	563110	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	3919	-	-	-	-	-	0.01	0.005	9	7914598	563116	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4012	-	-	-	-	-	0.05	0.004	9.5	7914617	563091	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4014	-	-	-	-	-	0.1	0.005	9.4	7914610	563098	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4016	-	-	-	-	-	0.14	0.014	8.8	7914603	563103	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4018	-	-	-	-	-	0.09	0.003	9.1	7914598	563109	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4111	-	-	-	-	-	0.07	0.003	9.3	7914617	563084	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4113	-	-	-	-	-	0.05	0.009	9.4	7914610	563091	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG
2020	Pit	660	N2_660_105	4115	-	-	-	-	-	0.07	0.007	9.7	7914604	563097	668.5	10	SILICIFIED GRANITE GNEISS	Non-AG

Notes:
*Laboratory detection limit (LDL) = 0.01%; Non-detects are reported as half the LDL (0.005%).

Table E.6.4: Deposit No. 1 Waste Rock Geochemistry 1:40000 Sampling - ABA and SFE Sampling Results - 2020

Bench	Blast ID	Shake Flask Extraction Results						Anions by Ion Chromatography						
		U	V	Zn	Hardness	Final pH	Br	Cl	F	NO3 (as N)	SO4	TDS	Conductivity	Alkalinity Total
		mg/L	mg/L	mg/L	mg/L CaCO3eq	Unity	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	uS/cm	mg/L CaCO3eq
600	N1-600-103	<0.00001	<0.001	<0.01	18.4	7.1	<0.05	3	0	0	1	50	99	17
600	N1-600-103	0.00028	0.007	<0.01	6.8	7.9	<0.05	1	1	1	2	86	106	22
650	N2-650-089	0.00046	0.001	<0.01	58.4	7.9	<0.05	6	0	0	30	125	215	46
590	N1-590-063	0.00003	<0.001	<0.01	72.1	6.7	<0.05	4	0	0	30	79	149	8
600	N1-600-105	0.00002	<0.001	<0.01	16.1	7.2	<0.05	2	1	0	2	56	109	19
580	N1_580_047	0.00027	0.006	<0.01	12.3	7.6	<0.05	2	1	1	9	117	121	20
580	N1_580_047	0.00096	0.011	<0.01	18.7	8	<0.05	2	1	0	2	134	80	23
580	N1_580_047	0.00134	0.013	<0.01	25	7.9	<0.05	2	1	2	2	154	102	30
580	N1_580_047	0.0007	0.009	0.03	27.5	7.5	<0.05	2	1	0	5	143	99	23
580	N1_580_047	0.00161	0.013	0.03	22.9	8	<0.05	2	1	0	4	142	91	24
580	N1_580_047	0.00085	0.019	0.01	19.4	8.9	<0.05	1	1	2	2	143	131	28
590	N1-590-077	0.00013	0.01	<0.01	4.3	8.2	<0.05	2	1	0	2	87	134	20
590	N1-590-077	0.00004	0.004	<0.01	5.6	7.7	<0.05	2	1	0	<0.5	70	136	16
590	N1-590-077	0.00021	0.006	<0.01	5.9	7.9	<0.05	2	1	0	1	82	127	17
580	N1-580-033	<0.00001	<0.001	<0.01	82.2	7.6	<0.05	2	0	0	3	60	187	24
580	N1-580-033	<0.00001	<0.001	<0.01	48.4	7.2	<0.05	2	0	0	1	52	149	14
590	N1-590-079	0.00066	0.012	<0.01	12.3	8	<0.05	1	1	0	10	125	134	23
580	N1-580-039	<0.00001	<0.001	<0.01	66.1	7.2	0.16	13	0	0	<0.5	61	174	14
580	N1-580-037	<0.00001	<0.001	<0.01	67.4	7.1	<0.05	2	0	0	1	42	144	14
640	N2-640-101	0.00003	<0.001	<0.01	1060	6.6	<0.5	6	1	0	996	1,330	1,670	20
640	N2-640-101	0.00004	0.001	<0.01	16.7	7.4	<0.05	4	1	0	58	162	278	20
640	N2-640-101	0.00004	<0.001	<0.01	245	6.8	<0.3	4	0	0	268	410	627	9
590	N1-590-075	0.00002	<0.001	<0.01	51.9	7	<0.05	3	1	0	80	181	321	11
600	N1-600-108	0.0003	0.006	<0.01	10.9	7.4	<0.05	2	1	1	9	92	106	11
580	N1-580-023	<0.00001	<0.001	<0.01	172	6.6	0.05	5	0	0	149	232	396	5
590	N1-590-073	<0.00001	<0.001	<0.01	28.5	6.9	<0.05	5	0	0	2	54	97	9
640	N2-640-095	0.00377	0.007	0.03	23.1	7.5	<0.05	3	1	0	4	115	119	23
640	N2-640-095	0.00043	0.004	<0.01	5	7.3	<0.05	2	1	0	1	70	85	19
640	N2-640-099	0.00053	0.004	<0.01	11.2	8.1	<0.05	4	1	0	3	105	157	41
640	N2-640-097	0.00057	0.014	<0.01	5.1	8	<0.05	2	1	0	1	82	100	24
640	N2-640-099	0.00212	0.015	<0.01	11.3	9.2	<0.05	2	1	0	3	143	187	60
580	N1-580-027	<0.00001	<0.001	<0.01	312	6.9	<0.05	2	0	0	259	367	603	9
640	N2-640-101	0.00044	0.009	<0.01	5.2	7.9	<0.05	2	1	0	12	98	135	23
590	N1-590-077	0.00014	0.005	<0.01	6.8	7.9	<0.05	2	1	0	3	90	129	25
590	N1-590-077	0.00022	0.007	<0.01	6	7.9	<0.05	2	1	0	2	88	134	21
580	N1-580-021	<0.00001	<0.001	<0.01	871	6.3	<0.05	1	0	0	156	391	1,390	6
580	N1-580-021	0.00001	<0.001	<0.01	70.4	7.1	0.06	8	0	0	30	101	229	11
580	N1_580_047	0.00126	0.019	0.02	15.9	9.1	<0.05	1	1	1	2	150	142	33
580	N1_580_047	0.00048	0.012	<0.01	15.8	8	<0.05	1	1	0	<0.5	108	98	22
580	N1_580_047	0.00053	0.015	0.01	12.6	8	<0.05	2	1	1	2	107	99	20
580	N1_580_047	0.00066	0.008	<0.01	11.3	7.7	<0.05	2	1	0	<0.5	96	86	17
580	N1_580_047	0.00084	0.008	<0.01	14.8	7.8	<0.05	2	1	1	1	105	90	17
580	N1_580_047	0.00074	0.009	<0.01	11.4	7.7	<0.05	2	1	1	1	95	90	16
580	N1_580_047	0.00058	0.016	<0.01	9.6	8	<0.05	3	1	1	2	106	96	18
580	N1_580_047	0.00113	0.006	<0.01	12.2	7.6	<0.05	2	1	0	<0.5	87	78	16
580	N1_580_049	0.00172	0.013	<0.01	13.3	8	<0.05	1	1	1	11	126	122	21
580	N1_580_049	0.00002	<0.001	<0.01	17.3	7.1	<0.05	4	0	0	2	57	120	14
580	N1_580_038	0.00001	<0.001	<0.01	38.8	7.4	0.05	4	0	0	5	50	95	19
570	N1_570_013	<0.00001	<0.001	<0.01	381	6.6	<0.3	3	0	1	346	484	770	8
570	N1_570_013	0.00001	<0.001	<0.01	572	5.9	<0.3	9	<0.1	0	537	725	1,060	2
660	N2_660_104	0.00941	0.003	<0.01	40.1	8.2	<0.05	6	1	1	5	111	183	58

Table E.6.4: Deposit No. 1 Waste Rock Geochemistry 1:40000 Sampling - ABA and SFE Sampling Results - 2020

Bench	Blast ID	SAMPLE 1		SAMPLE 2		MATERIAL CLASSIFICATION	Acid Base Accounting (ABA)														Shake Flask Extraction Results				
		SAMPLE 1	Sample 1 HOLE ID	SAMPLE 2	SAMPLE 2 HOLD ID		Recvd Wt.	MPA	FIZZ RATING	NNP	NP	pH	Ratio (NP:MPA)	S LECO	S	S	S	C	CO2	Ag	Al	As	B	Ba	
							kg	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity	%	%	%	%	%	%	mg/L	mg/L	mg/L	mg/L	mg/L	
580	N1_580_051	S666909	1018	S666954	2104	NAG	0.31	<0.3	1	10	10	8.5	64	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2	<0.00005	8.43	<0.001	0.12	0.074	
580	N1_580_051	S666939	2403	S666964	2003	NAG	0.33	0.3	1	12	12	8.4	38.4	0.01	<0.01	0.02	0.01	<0.05	<0.2	<0.00005	7.54	<0.001	0.21	0.066	
580	N1_580_051	S666947	2102	S666948	2203	NAG	0.37	<0.3	1	10	10	8.5	64	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2	<0.00005	7.18	<0.001	0.14	0.067	
580	N1_580_051	S667190	1100	S667145	1301	NAG	0.39	1.3	1	13	14	7.3	11.2	0.04	<0.01	0.01	0.04	<0.05	<0.2	<0.00005	0.038	<0.001	0.23	0.01	
580	N1_580_051	S667217	3036	S667058	2304	NAG	0.33	1.3	1	14	15	7.8	12	0.04	<0.01	<0.01	0.04	<0.05	<0.2	<0.00005	0.104	<0.001	0.07	0.003	
580	N1_580_051	S667236	3430	S667275	2343	NAG	0.42	1.6	1	10	12	7.3	7.68	0.05	<0.01	<0.01	0.05	<0.05	<0.2	<0.00005	0.04	<0.001	0.32	0.009	
570	N1_570_015	S667367	1117	S667371	1119	NAG	0.32	1.6	1	9	11	7.7	7.04	0.05	<0.01	0.02	0.05	<0.05	<0.2	<0.00005	0.136	<0.001	0.03	<0.001	
570	N1_570_015	S667379	1115	S667378	1121	NAG	0.35	1.9	1	10	12	7.7	6.4	0.06	<0.01	0.02	0.06	<0.05	<0.2	<0.00005	0.109	<0.001	0.05	0.001	
570	N1_570_015	S667404	1113	S667429	1622	NAG	0.38	3.1	1	9	12	7.8	3.84	0.1	<0.01	0.02	0.1	<0.05	<0.2	<0.00005	0.16	<0.001	0.03	0.001	
570	N1_570_015	S667408	1008	S667411	1010	NAG	0.3	0.6	1	15	16	7.9	25.6	0.02	<0.01	0.02	0.02	<0.05	<0.2	<0.00005	0.142	<0.001	0.03	0.002	
570	N1_570_015	S667442	1206	S667495	1410	PAG	0.41	5.6	1	8	14	7.9	2.49	0.18	<0.01	0.04	0.18	<0.05	<0.2	<0.00005	0.114	<0.001	0.04	0.002	
570	N1_570_015	S667446	1909	S667445	1006	NAG	0.5	3.8	1	15	19	7.9	5.07	0.12	0.01	0.01	0.11	<0.05	<0.2	<0.00005	0.042	<0.001	0.04	0.002	
570	N1_570_015	S667453	1808	S667451	1705	NAG	0.44	0.6	1	17	18	7.8	28.8	0.02	<0.01	0.01	0.02	<0.05	<0.2	<0.00005	0.09	<0.001	0.02	0.002	
570	N1_570_015	S667470	1123	S667498	1002	NAG	0.45	2.8	1	7	10	7.6	3.56	0.09	<0.01	<0.01	0.09	<0.05	<0.2	<0.00005	0.032	<0.001	0.31	0.002	
570	N1_570_015	S667483	1707	S667488	1408	NAG	0.4	0.6	1	15	16	8	25.6	0.02	<0.01	0.01	0.02	<0.05	<0.2	<0.00005	0.129	<0.001	0.04	0.002	
570	N1_570_015	S667485	1606	S667494	1608	NAG	0.36	3.8	1	14	18	8	4.8	0.12	<0.01	0.01	0.12	<0.05	<0.2	<0.00005	0.112	<0.001	0.09	0.003	
570	N1_570_015	S667491	1101	S667487	1604	NAG	0.32	2.5	1	15	17	8	6.8	0.08	<0.01	0.01	0.08	<0.05	<0.2	<0.00005	0.089	<0.001	0.02	0.001	
570	N1_570_015	S667496	1004	S667500	1204	PAG	0.34	3.4	1	13	16	7.8	4.65	0.11	0.01	0.02	0.1	<0.05	<0.2	<0.00005	0.051	<0.001	0.03	0.002	
570	N1_570_015	S667555	1305	S667554	1200	NAG	0.32	3.4	1	11	14	7.9	4.07	0.11	<0.01	0.02	0.11	<0.05	<0.2	<0.00005	0.118	<0.001	0.04	0.002	
570	N1_570_015	S667557	1000	S667497	1202	NAG	0.35	1.3	1	17	18	7.8	14.4	0.04	<0.01	0.02	0.04	<0.05	<0.2	<0.00005	0.048	<0.001	0.03	0.003	
570	N1_570_021	S667765	1139	S667790	1725	NAG	0.42	2.5	1	11	13	7.1	5.2	0.08	<0.01	0.02	0.08	<0.05	<0.2	<0.00005	0.045	<0.001	0.04	0.002	
570	N1_570_021	S667772	3000	S667770	3101	NAG	0.47	0.3	1	3	3	8	9.6	0.01	<0.01	0.02	0.01	<0.05	<0.2	<0.00005	0.151	<0.001	0.07	0.002	
570	N1_570_021	S667810	2416	S667808	2517	PAG	0.35	16.9	1	5	22	7.5	1.3	0.54	<0.01	0.05	0.54	<0.05	<0.2	<0.00005	0.036	<0.001	0.05	0.003	
570	N1_570_021	S667864	2406	S667825	1511	PAG	0.39	27.8	1	-10	18	6.3	0.65	0.89	0.21	0.27	0.68	<0.05	<0.2	<0.00005	<0.005	<0.001	0.09	0.004	
570	N1_570_021	S667892	2505	S667898	2608	NAG	0.4	<0.3	1	18	18	7.9	115.2	<0.01	<0.01	0.02	<0.01	<0.05	<0.2	<0.00005	0.123	<0.001	0.35	<0.001	
570	N1_570_019	S667902	1026	S667900	1030	PAG	0.39	9.1	1	3	12	7.6	1.32	0.29	0.01	0.01	0.28	<0.05	<0.2	<0.00005	0.038	<0.001	0.09	<0.001	
570	N1_570_019	S667905	1120	S667977	1028	PAG	0.36	7.5	1	1	8	7.6	1.07	0.24	0.01	0.01	0.23	<0.05	<0.2	<0.00005	0.06	<0.001	0.24	0.001	
570	N1_570_019	S667922	2015	S667950	1520	PAG	0.38	15	1	-3	12	7.2	0.8	0.48	0.01	0.03	0.47	<0.05	<0.2	<0.00005	0.019	<0.001	0.07	<0.002	
570	N1_570_019	S667928	1019	S667908	1123	NAG	0.34	0.6	1	12	13	7.9	20.8	0.02	0.01	0.02	0.01	<0.05	<0.2	<0.00005	0.118	0.002	0.24	0.001	
570	N1_570_019	S667949	1817	S667933	1819	PAG	0.34	41.9	1	-32	10	7.2	0.24	1.34	0.02	0.01	1.32	<0.05	<0.2	<0.00005	0.009	<0.001	0.08	<0.001	
570	N1_570_019	S667963	1217	S667907	1024	NAG	0.32	0.6	1	10	11	7.8	17.6	0.02	<0.01	0.04	0.02	<0.05	<0.2	<0.00005	0.098	<0.001	0.24	<0.001	
570	N1_570_021	S668162	1624	S668208	2414	NAG	0.29	1.6	1	14	16	7.2	10.24	0.05	0.03	0.06	0.02	<0.05	<0.2	<0.00005	0.046	<0.001	0.05	0.001	
570	N1_570_021	S668169	1824	S667791	1034	NAG	0.4	1.9	1	12	14	7.3	7.47	0.06	0.03	0.08	0.03	<0.05	<0.2	<0.00005	0.063	<0.001	0.03	0.002	
570	N1_570_021	S668186	2123	S667869	1909	NAG	0.36	0.3	1	13	13	7.7	41.6	0.01	<0.01	0.03	0.01	<0.05	<0.2	<0.00005	0.273	<0.001	<0.01	<0.001	
570	N1_570_021	S668222	2511	S668223	2610	NAG	0.43	<0.3	1	7	7	7.5	44.8	<0.01	<0.01	0.01	<0.01	<0.05	<0.2	<0.00005	0.03	<0.001	0.04	<0.001	
570	N1_570_023	S668536	2307	S668539	2307	NAG	0.38	0.6	1	12	13	8.3	20.8	0.02	<0.01	<0.01	0.02	<0.05	<0.2	<0.00005	4.35	<0.001	0.07	0.07	
570	N1_570_023	S668537	2305	S668538	2307	NAG	0.38	0.3	1	14	14	8.3	44.8	0.01	<0.01	<0.01	0.01	<0.05	<0.2	<0.00005	5.33	<0.001	0.07	0.059	
580	N1_580_054	S668744	2010	S668745	2012	NAG	0.29	<0.3	1	10	10	8.2	64	<0.01	<0.01	0.01	<0.01	<0.05	<0.2	0.00006	12.6	<0.001	0.16	0.04	

Table E.6.4: Deposit No. 1 Waste Rock Geochemistry 1:40000 Sampling - ABA and SFE Sampling Results - 2020

Bench	Blast ID	Shake Flask Extraction Results						Anions by Ion Chromotography						
		U	V	Zn	Hardness	Final pH	Br	Cl	F	NO3 (as N)	SO4	TDS	Conductivity	Alkalinity Total
		mg/L	mg/L	mg/L	mg/L CaCO3eq	Unity	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	uS/cm	mg/L CaCO3eq
580	N1_580_051	0.00211	0.007	<0.01	10.5	7.5	<0.05	2	1	0	2	102	95	14
580	N1_580_051	0.00079	0.007	<0.01	15.5	7.5	<0.05	2	1	0	2	100	108	17
580	N1_580_051	0.00098	0.008	<0.01	9.6	7.7	<0.05	2	1	0	<0.5	91	88	16
580	N1_580_051	0.00001	<0.001	<0.01	173	6.9	<0.05	4	0	0	123	209	384	11
580	N1_580_051	0.00003	<0.001	<0.01	41.6	7.2	<0.05	4	0	0	28	87	168	11
580	N1_580_051	0.00002	<0.001	<0.01	148	7.1	0.05	8	0	1	114	193	333	11
570	N1_570_015	<0.00001	<0.001	<0.01	70.5	7.4	<0.05	2	0	0	<0.5	47	162	24
570	N1_570_015	<0.00001	<0.001	<0.01	77.6	7.2	<0.05	2	0	1	1	55	177	25
570	N1_570_015	<0.00001	<0.001	<0.01	54.1	7.4	<0.05	2	0	1	2	52	141	22
570	N1_570_015	<0.00001	<0.001	<0.01	63.4	7.4	<0.05	3	0	1	1	58	165	28
570	N1_570_015	<0.00001	<0.001	<0.01	50.6	7.3	<0.05	2	0	1	5	53	134	21
570	N1_570_015	<0.00001	<0.001	<0.01	71.5	7.4	<0.05	2	0	8	6	98	196	23
570	N1_570_015	<0.00001	<0.001	<0.01	48.9	7.2	<0.05	2	0	1	3	56	136	20
570	N1_570_015	0.00003	<0.001	<0.01	84.5	7.2	0.06	5	0	0	40	94	202	11
570	N1_570_015	<0.00001	<0.001	<0.01	34.6	7.4	<0.05	3	0	1	2	55	116	21
570	N1_570_015	<0.00001	<0.001	<0.01	40.6	7.4	<0.05	3	0	1	5	58	124	22
570	N1_570_015	<0.00001	<0.001	<0.01	42.8	7.4	<0.05	3	0	0	5	51	119	20
570	N1_570_015	<0.00001	<0.001	<0.01	85.8	7.2	<0.05	2	1	1	43	101	212	19
570	N1_570_015	<0.00001	<0.001	<0.01	45.6	7.3	<0.05	2	0	1	3	48	121	20
570	N1_570_015	<0.00001	<0.001	<0.01	76.2	7.3	<0.05	2	0	13	4	109	215	19
570	N1_570_021	0.00001	<0.001	<0.01	272	7	<0.05	2	0	0	239	337	524	9
570	N1_570_021	0.00003	<0.001	<0.01	48.5	7.7	0.13	9	0	0	3	62	114	30
570	N1_570_021	0.00002	<0.001	<0.01	162	7.6	<0.05	4	1	2	110	199	335	26
570	N1_570_021	<0.00001	<0.001	<0.01	1030	6.2	<0.5	6	<0.2	1	979	1,280	1,580	4
570	N1_570_021	<0.00001	<0.001	<0.01	51.1	7.6	0.08	7	1	0	<0.5	57	117	26
570	N1_570_019	0.00002	<0.001	<0.01	94.2	7.2	<0.05	4	0	0	49	111	213	20
570	N1_570_019	0.00002	<0.001	<0.01	79.5	7.1	<0.05	4	0	0	37	100	192	18
570	N1_570_019	<0.00001	<0.001	<0.01	340	6.9	<0.05	3	0	0	289	404	628	8
570	N1_570_019	<0.00001	<0.001	<0.01	55.9	7.3	0.11	9	0	0	1	61	156	22
570	N1_570_019	0.00001	<0.001	<0.01	191	6.9	<0.05	3	0	1	133	222	362	11
570	N1_570_019	<0.00001	<0.001	<0.01	60.6	7.2	0.13	14	0	0	5	69	168	21
570	N1_570_021	0.00002	<0.001	<0.01	239	6.9	<0.05	1	0	2	202	298	476	8
570	N1_570_021	<0.00001	<0.001	<0.01	175	7	<0.05	2	1	3	141	230	388	9
570	N1_570_021	<0.00001	<0.001	<0.01	66.8	7.5	<0.05	1	0	1	2	49	136	24
570	N1_570_021	<0.00001	<0.001	<0.01	42.6	7.2	<0.05	3	1	7	3	79	115	10
570	N1_570_023	0.00019	0.004	<0.01	13.6	7.8	<0.05	2	1	0	6	108	158	26
570	N1_570_023	0.00022	0.006	<0.01	14.2	7.9	<0.05	2	1	0	3	113	159	27
580	N1_580_054	0.00161	0.004	<0.01	18.7	7.4	<0.05	4	1	0	1	115	98	13

Table E.6.5: MS-08 East Inflow Sampling Results - 2020

Analyte	Sample ID		MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW01	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW
	ALS Laboratory Sample ID		L2467060-4	L2468307-2	L2472902-3	L2477770-3	L2477770-4	L2481535-2	L2482854-4	L2488588-1	L2496103-2	L2496104-1
	Sample Date & Time		2020-06-25 17:15	2020-06-30 16:45	2020-07-10 10:10	2020-07-21 16:40	2020-07-21 16:40	2020-07-29 15:45	2020-08-03 13:10	2020-08-12 11:40	2020-08-26 12:50	2020-08-26 16:50
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	-	-	-	1850	1850	2090	2170	2310	2040	1920
pH	pH units	0.1	7.66	7.52	7.74	7.07	7.11	6.98	6.9	6.94	7.64	7.6
Total Suspended Solids	mg/L	2	277	30.1	12.5	13.4	11.2	9.2	9.4	12.8	7.6	5.2
Total Dissolved Solids	mg/L	13	200	465	1050	1530	1550	1850	1970	2060	1790	1820
Turbidity	NTU	0.1	244	27.4	18	26.6	27.4	23.9	44.1	35.3	8.22	7.22
Ammonia, Total (as N)	mg/L	0.02	-	-	-	3.15	3.16	3.14	2.55	2.21	1.75	1.68
Aluminum (Al)-Total	mg/L	0.005	-	-	-	0.207	0.212	0.263	<0.050	0.1	0.145	0.133
Antimony (Sb)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	<0.00010	<0.0010	<0.00050	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	0.00012	<0.0010	<0.00050	0.00014	0.00013
Barium (Ba)-Total	mg/L	0.0002	-	-	-	0.0366	0.0352	0.0383	0.0403	0.0361	0.0463	0.0444
Beryllium (Be)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	<0.00010	<0.0010	<0.00050	<0.00010	<0.00010
Bismuth (Bi)-Total	mg/L	0.00005	-	-	-	<0.00050	<0.00050	<0.000050	<0.00050	<0.00025	<0.00050	<0.000050
Boron (B)-Total	mg/L	0.01	-	-	-	<0.10	<0.10	0.045	<0.10	<0.050	0.031	0.03
Cadmium (Cd)-Total	mg/L	0.00001	-	-	-	0.000084	0.00007	0.000121	0.000086	0.000086	0.0000442	0.0000395
Calcium (Ca)-Total	mg/L	0.5	-	-	-	83.6	84.5	89.8	87.5	105	109	110
Cesium (Cs)-Total	mg/L	0.00001	-	-	-	<0.00010	<0.00010	0.000036	<0.00010	<0.000050	0.000026	0.000026
Chromium (Cr)-Total	mg/L	0.0005	-	-	-	<0.0050	<0.0050	0.00041	<0.0050	<0.00050	0.00037	0.00036
Cobalt (Co)-Total	mg/L	0.0001	-	-	-	0.0459	0.046	0.0628	0.0715	0.0757	0.033	0.0309
Copper (Cu)-Total	mg/L	0.001	-	-	-	0.0059	0.006	0.007	<0.0050	<0.0025	0.00234	0.00234
Iron (Fe)-Total	mg/L	0.05	-	-	-	3.28	3.28	2.74	3.86	4.41	1.09	0.877
Lead (Pb)-Total	mg/L	0.00005	-	-	-	<0.00050	<0.00050	0.000349	<0.00050	<0.00025	0.000104	0.000109
Lithium (Li)-Total	mg/L	0.001	-	-	-	<0.010	0.01	0.0162	<0.010	0.0164	0.0117	0.0114
Magnesium (Mg)-Total	mg/L	0.05	-	-	-	214	218	283	277	318	198	196
Manganese (Mn)-Total	mg/L	0.0005	-	-	-	3.65	3.68	5.26	5.71	6.55	3.24	3.07
Molybdenum (Mo)-Total	mg/L	0.00005	-	-	-	0.00267	0.00266	0.0018	0.00146	0.00167	0.00254	0.00261
Nickel (Ni)-Total	mg/L	0.0005	-	-	-	0.0487	0.0491	0.0684	0.0717	0.0804	0.0335	0.0321
Phosphorus (P)-Total	mg/L	0.05	-	-	-	<0.50	<0.50	0.071	<0.50	<0.25	<0.050	<0.050
Potassium (K)-Total	mg/L	0.05	-	-	-	9.33	9.43	9.65	8.36	8.94	8.4	8
Rubidium (Rb)-Total	mg/L	0.0002	-	-	-	0.0085	0.0082	0.00888	0.0081	0.008	0.00593	0.00587
Selenium (Se)-Total	mg/L	0.00005	-	-	-	0.00456	0.00436	0.00567	0.00482	0.00489	0.00572	0.00526
Silicon (Si)-Total	mg/L	0.1	-	-	-	2.4	2.6	2.36	2.2	2.37	2.46	2.48
Silver (Ag)-Total	mg/L	0.00005	-	-	-	<0.00050	<0.00050	<0.000010	<0.00050	<0.000050	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	0.5	-	-	-	6.45	6.73	7.61	6.27	6.83	6.61	6.47
Strontium (Sr)-Total	mg/L	0.001	-	-	-	0.115	0.116	0.119	0.118	0.144	0.132	0.143
Sulfur (S)-Total	mg/L	0.5	-	-	-	311	312	407	402	458	368	368
Tellurium (Te)-Total	mg/L	0.0002	-	-	-	<0.0020	<0.0020	<0.00020	<0.0020	<0.0010	<0.00020	<0.00020
Thallium (Tl)-Total	mg/L	0.00001	-	-	-	<0.00010	<0.00010	0.000066	<0.00010	0.00005	0.000034	0.000033
Thorium (Th)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	<0.00010	<0.0010	<0.00050	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	0.00042	<0.0010	<0.00050	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	0.0003	-	-	-	0.0069	0.007	0.00667	<0.0030	0.0035	0.00682	<0.0060
Tungsten (W)-Total	mg/L	0.0001	-	-	-	<0.0010	<0.0010	<0.00010	<0.0010	<0.00050	<0.00010	<0.00010
Uranium (U)-Total	mg/L	0.00001	-	-	-	0.0081	0.00816	0.00528	0.00518	0.00639	0.0111	0.0122
Vanadium (V)-Total	mg/L	0.0005	-	-	-	<0.0050	<0.0050	0.00178	<0.0050	<0.0025	<0.00050	<0.00050
Zinc (Zn)-Total	mg/L	0.003	-	-	-	<0.030	<0.030	0.107	0.051	0.138	<0.0030	<0.0030
Zirconium (Zr)-Total	mg/L	0.0003	-	-	-	<0.0020	<0.0020	0.00027	<0.0020	<0.0010	<0.00020	<0.00020

Table E.6.5: MS-08 East Inflow Sampling Results - 2020

Analyte	Sample ID		MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW01	MS-08-EAST-INFLOW	MS-08-EAST-INFLOW
	ALS Laboratory Sample ID		L2496047-3	L2496049-2	L2496120-2	L2496140-2	L2496140-3	L2496705-2	L2497356-2
	Sample Date & Time		2020-08-27 17:40	2020-08-28 10:55	2020-08-29 10:15	2020-08-30 15:55	2020-08-30 15:55	2020-08-31 12:10	2020-09-01 11:00
	QA/QC Sample Type		N/A	N/A	N/A	N/A	Field Duplicate	N/A	N/A
	Units	LOR							
Conductivity	umhos/cm	3	1560	1200	1700	1980	1980	1390	1430
pH	pH units	0.1	7.81	8	7.81	7.68	7.7	7.66	7.88
Total Suspended Solids	mg/L	2	2	2	<2.0	7.2	4.4	16.4	3
Total Dissolved Solids	mg/L	13	1400	976	1460	1710	1790	1130	1220
Turbidity	NTU	0.1	6.46	3.09	2.27	13	12.2	25	3.88
Ammonia, Total (as N)	mg/L	0.02	1	0.127	0.965	1.9	1.92	1.17	1.16
Aluminum (Al)-Total	mg/L	0.005	0.081	<0.050	0.0583	0.281	0.257	0.788	0.082
Antimony (Sb)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic (As)-Total	mg/L	0.0001	<0.0010	<0.0010	0.00012	<0.0010	<0.0010	<0.0010	<0.0010
Barium (Ba)-Total	mg/L	0.0002	0.0408	0.0435	0.0426	0.0506	0.0482	0.0348	0.0309
Beryllium (Be)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.000050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.01	<0.10	<0.10	0.027	<0.10	<0.10	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	<0.000050	<0.000050	0.0000322	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	0.5	115	120	124	124	124	80.6	87.6
Cesium (Cs)-Total	mg/L	0.00001	<0.00010	<0.00010	0.000012	<0.00010	<0.00010	<0.00010	<0.00010
Chromium (Cr)-Total	mg/L	0.0005	<0.0050	<0.0050	0.00017	<0.0050	<0.0050	<0.0050	<0.0050
Cobalt (Co)-Total	mg/L	0.0001	0.0199	0.0039	0.0189	0.0247	0.0245	0.0172	0.0173
Copper (Cu)-Total	mg/L	0.001	<0.0050	<0.0050	0.0032	<0.0050	<0.0050	<0.0050	<0.0050
Iron (Fe)-Total	mg/L	0.05	0.59	<0.10	0.316	1.09	1.02	2.87	0.43
Lead (Pb)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.000050	<0.00050	<0.00050	<0.00050	<0.00050
Lithium (Li)-Total	mg/L	0.001	<0.010	<0.010	0.0084	<0.010	0.011	<0.010	<0.010
Magnesium (Mg)-Total	mg/L	0.05	167	84.1	185	223	221	143	157
Manganese (Mn)-Total	mg/L	0.0005	1.88	0.316	1.97	2.47	2.45	1.54	1.65
Molybdenum (Mo)-Total	mg/L	0.00005	0.00246	0.00206	0.0028	0.00256	0.00283	0.00277	0.00273
Nickel (Ni)-Total	mg/L	0.0005	0.0199	<0.0050	0.0187	0.0255	0.0247	0.0191	0.0185
Phosphorus (P)-Total	mg/L	0.05	<0.50	<0.50	<0.050	<0.50	<0.50	<0.50	<0.50
Potassium (K)-Total	mg/L	0.05	6.95	4.6	7.48	8.18	8.06	6.29	6.25
Rubidium (Rb)-Total	mg/L	0.0002	0.0051	0.0028	0.00498	0.0064	0.0065	0.0053	0.0046
Selenium (Se)-Total	mg/L	0.00005	0.00368	0.00187	0.00402	0.00468	0.00467	0.00314	0.00327
Silicon (Si)-Total	mg/L	0.1	2.5	2.4	2.48	2.7	2.7	3	2.1
Silver (Ag)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.000010	<0.00050	<0.00050	<0.00050	<0.00050
Sodium (Na)-Total	mg/L	0.5	6.23	5.1	6.74	7.41	7.2	4.87	5.33
Strontium (Sr)-Total	mg/L	0.001	0.118	0.104	0.138	0.151	0.143	0.093	0.098
Sulfur (S)-Total	mg/L	0.5	250	142	281	336	339	206	221
Tellurium (Te)-Total	mg/L	0.0002	<0.0020	<0.0020	<0.00020	<0.0020	<0.0020	<0.0020	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	<0.00010	<0.00010	0.000022	<0.00010	<0.00010	<0.00010	<0.00010
Thorium (Th)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010
Tin (Sn)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.0003	0.0032	<0.0030	0.00295	0.0117	0.0097	0.03	<0.0030
Tungsten (W)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium (U)-Total	mg/L	0.00001	0.0136	0.0149	0.0144	0.0136	0.0136	0.00926	0.00993
Vanadium (V)-Total	mg/L	0.0005	<0.0050	<0.0050	<0.00050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc (Zn)-Total	mg/L	0.003	<0.030	<0.030	<0.0030	<0.030	<0.030	<0.030	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	<0.0020	<0.0020	<0.00020	<0.0020	<0.0020	<0.0020	<0.0020

Table E.6.6: MS-08 West Inflow Sampling Results - 2020

Analyte	Sample ID		MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW
	ALS Laboratory Sample ID		L2467060-3	L2468307-1	L2477770-6	L2481535-1	L2482854-5	L2488588-3	L2496103-1	L2496104-4	L2496047-1	L2496049-1
	Sample Date & Time		2020-06-25 17:00	2020-06-30 16:15	2020-07-21 17:15	2020-07-29 15:45	2020-08-03 13:40	2020-08-12 11:05	2020-08-26 12:10	2020-08-26 17:30	2020-08-27 18:20	2020-08-28 11:30
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	-	-	3430	3220	3120	4190	3180	3070	2730	3070
pH	pH units	0.1	7.03	6.82	7.47	7.54	7.51	7.47	7.68	7.62	7.8	7.77
Total Suspended Solids	mg/L	2	36.2	35.9	4.5	4.2	<2.0	5.3	3.6	4.8	2.4	3.2
Total Dissolved Solids	mg/L	13	930	1750	3330	3280	3130	4600	3230	3200	2790	3200
Turbidity	NTU	0.1	33.3	12.8	1.64	0.47	0.47	1.11	2.5	5.22	1.82	1.37
Ammonia, Total (as N)	mg/L	0.02	-	-	1.19	0.783	0.771	0.613	0.466	0.46	0.35	0.408
Aluminum (Al)-Total	mg/L	0.005	-	-	0.08	0.0949	0.21	0.0447	0.0684	0.157	0.055	<0.050
Antimony (Sb)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010
Arsenic (As)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	0.0002	<0.0010	<0.0010
Barium (Ba)-Total	mg/L	0.0002	-	-	0.0477	0.0452	0.0357	0.0441	0.0369	0.0376	0.0338	0.0375
Beryllium (Be)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	-	-	<0.00050	<0.00010	<0.00050	<0.00010	<0.00010	<0.00010	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.01	-	-	<0.10	0.025	<0.10	0.026	<0.020	<0.020	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	-	-	0.000096	0.000066	0.00009	0.000062	0.000059	0.000044	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	0.5	-	-	201	214	179	306	214	225	207	212
Cesium (Cs)-Total	mg/L	0.00001	-	-	<0.00010	0.000022	<0.00010	<0.000020	<0.000020	<0.000020	<0.00010	<0.00010
Chromium (Cr)-Total	mg/L	0.0005	-	-	<0.0050	0.00029	<0.0050	<0.00020	0.00038	0.00079	<0.0050	<0.0050
Cobalt (Co)-Total	mg/L	0.0001	-	-	0.0235	0.0151	0.0201	0.0126	0.00964	0.00977	0.0077	0.0089
Copper (Cu)-Total	mg/L	0.001	-	-	<0.0050	0.0024	<0.0050	0.002	0.0015	0.0017	<0.0050	<0.0050
Iron (Fe)-Total	mg/L	0.05	-	-	0.36	0.212	0.32	0.161	0.176	0.34	0.14	0.1
Lead (Pb)-Total	mg/L	0.00005	-	-	<0.00050	<0.00010	<0.00050	<0.00010	<0.00010	<0.00010	<0.00050	<0.00050
Lithium (Li)-Total	mg/L	0.001	-	-	<0.010	0.0095	<0.010	0.0102	0.0073	0.0074	<0.010	<0.010
Magnesium (Mg)-Total	mg/L	0.05	-	-	478	461	372	631	350	362	345	421
Manganese (Mn)-Total	mg/L	0.0005	-	-	3.26	2.87	2.82	2.72	2.15	2.15	1.57	1.87
Molybdenum (Mo)-Total	mg/L	0.00005	-	-	0.00066	0.00091	0.00071	0.00081	0.00075	0.0007	0.00062	0.00065
Nickel (Ni)-Total	mg/L	0.0005	-	-	0.0285	0.0156	0.0236	0.012	0.0089	0.0095	0.0074	0.0087
Phosphorus (P)-Total	mg/L	0.05	-	-	<0.50	<0.10	<0.50	<0.10	<0.10	<0.10	<0.50	<0.50
Potassium (K)-Total	mg/L	0.05	-	-	6.44	6.47	5.22	7.49	5.45	5.63	4.95	5.33
Rubidium (Rb)-Total	mg/L	0.0002	-	-	0.0067	0.00656	0.0051	0.00652	0.00491	0.00527	0.005	0.0053
Selenium (Se)-Total	mg/L	0.00005	-	-	0.00606	0.006	0.00481	0.00887	0.00667	0.00715	0.00536	0.00616
Silicon (Si)-Total	mg/L	0.1	-	-	2.3	2.08	1.9	2.34	2.06	2.25	1.9	1.9
Silver (Ag)-Total	mg/L	0.00005	-	-	<0.00050	<0.000020	<0.00050	<0.000020	<0.000020	<0.000020	<0.00050	<0.00050
Sodium (Na)-Total	mg/L	0.5	-	-	7.3	7.71	6.14	9.8	6.5	6.82	5.55	6.01
Strontium (Sr)-Total	mg/L	0.001	-	-	0.158	0.156	0.136	0.231	0.163	0.17	0.134	0.14
Sulfur (S)-Total	mg/L	0.5	-	-	757	711	599	1070	732	727	575	691
Tellurium (Te)-Total	mg/L	0.0002	-	-	<0.0020	<0.00040	<0.0020	<0.00040	<0.00040	<0.00040	<0.0020	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	-	-	<0.00010	0.000034	<0.00010	0.000026	0.000025	0.00002	<0.00010	<0.00010
Thorium (Th)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010
Tin (Sn)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.0003	-	-	<0.0030	0.0035	<0.0050	0.00177	<0.0018	<0.0039	<0.0030	<0.0030
Tungsten (W)-Total	mg/L	0.0001	-	-	<0.0010	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.0010	<0.0010
Uranium (U)-Total	mg/L	0.00001	-	-	0.00842	0.00937	0.00752	0.0111	0.0082	0.00836	0.00737	0.00755
Vanadium (V)-Total	mg/L	0.0005	-	-	<0.0050	<0.0010	<0.0050	<0.0010	<0.0010	<0.0010	<0.0050	<0.0050
Zinc (Zn)-Total	mg/L	0.003	-	-	<0.030	<0.0060	0.033	<0.0060	<0.0060	<0.0060	<0.030	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	-	-	<0.0020	<0.00040	<0.0020	<0.00040	<0.00040	<0.00040	<0.0020	<0.0020

Table E.6.6: MS-08 West Inflow Sampling Results - 2020

Analyte	Sample ID		MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW	MS-08-WEST-INFLOW
	ALS Laboratory Sample ID		L2496120-1	L2496140-1	L2496705-1	L2497356-1
	Sample Date & Time		2020-08-29 9:55	2020-08-30 15:30	2020-08-31 14:45	2020-09-01 10:35
	QA/QC Sample Type		N/A	N/A	N/A	N/A
	Units	LOR				
Conductivity	umhos/cm	3	3170	3220	1980	3190
pH	pH units	0.1	7.75	7.72	7.82	7.86
Total Suspended Solids	mg/L	2	2	3.2	3.6	3.4
Total Dissolved Solids	mg/L	13	3280	3280	1670	3360
Turbidity	NTU	0.1	2.74	4.22	6	2.61
Ammonia, Total (as N)	mg/L	0.02	0.318	0.333	0.214	0.54
Aluminum (Al)-Total	mg/L	0.005	0.0452	0.15	0.296	0.104
Antimony (Sb)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Arsenic (As)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Barium (Ba)-Total	mg/L	0.0002	0.0354	0.0393	0.024	0.0353
Beryllium (Be)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	<0.00010	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.01	<0.020	<0.10	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	0.000047	<0.000050	<0.000050	0.000069
Calcium (Ca)-Total	mg/L	0.5	233	229	129	190
Cesium (Cs)-Total	mg/L	0.00001	<0.000020	<0.00010	<0.00010	<0.00010
Chromium (Cr)-Total	mg/L	0.0005	0.00027	<0.0050	<0.0050	<0.0050
Cobalt (Co)-Total	mg/L	0.0001	0.00828	0.0085	0.0045	0.0106
Copper (Cu)-Total	mg/L	0.001	0.0013	<0.0050	<0.0050	<0.0050
Iron (Fe)-Total	mg/L	0.05	0.114	0.31	0.47	0.19
Lead (Pb)-Total	mg/L	0.00005	<0.00010	<0.00050	<0.00050	<0.00050
Lithium (Li)-Total	mg/L	0.001	0.0063	<0.010	<0.010	<0.010
Magnesium (Mg)-Total	mg/L	0.05	405	440	241	471
Manganese (Mn)-Total	mg/L	0.0005	1.82	2.07	1.14	2.49
Molybdenum (Mo)-Total	mg/L	0.00005	0.00062	0.00067	0.00073	0.00093
Nickel (Ni)-Total	mg/L	0.0005	0.0075	0.007	<0.0050	0.0095
Phosphorus (P)-Total	mg/L	0.05	<0.10	<0.50	<0.50	<0.50
Potassium (K)-Total	mg/L	0.05	5.37	5.73	4.04	5.12
Rubidium (Rb)-Total	mg/L	0.0002	0.00604	0.0062	0.0042	0.0056
Selenium (Se)-Total	mg/L	0.00005	0.00651	0.0066	0.00309	0.0054
Silicon (Si)-Total	mg/L	0.1	1.98	2.2	1.8	1.9
Silver (Ag)-Total	mg/L	0.00005	<0.000020	<0.00050	<0.00050	<0.00050
Sodium (Na)-Total	mg/L	0.5	6.13	6.64	3.98	6.35
Strontium (Sr)-Total	mg/L	0.001	0.158	0.157	0.082	0.139
Sulfur (S)-Total	mg/L	0.5	693	710	377	717
Tellurium (Te)-Total	mg/L	0.0002	<0.00040	<0.0020	<0.0020	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	<0.000020	<0.00010	<0.00010	<0.00010
Thorium (Th)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Tin (Sn)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.0003	<0.0015	0.0038	0.007	<0.0030
Tungsten (W)-Total	mg/L	0.0001	<0.00020	<0.0010	<0.0010	<0.0010
Uranium (U)-Total	mg/L	0.00001	0.00815	0.00829	0.00531	0.00701
Vanadium (V)-Total	mg/L	0.0005	<0.0010	<0.0050	<0.0050	<0.0050
Zinc (Zn)-Total	mg/L	0.003	<0.0060	<0.030	<0.030	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	<0.00040	<0.0020	<0.0020	<0.0020

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results - 2020

Analyte	Sample ID		WRP-20-01	WRP-20-01	WRP-20-01A	WRP-20-01	WRP-20-01A	WRP-20-02	WRP-20-03	WRP-20-04	WRP-20-04	WRP-20-04
	ALS Laboratory Sample ID		L2478363-1	L2482855-1	L2482855-2	L2488602-1	L2488602-2	L2478363-2	L2495466-4	L2478363-3	L2482855-3	L2488602-3
	Sample Date & Time		2020-07-22 12:20	2020-08-03 14:10	2020-08-03 14:30	2020-08-12 9:35	2020-08-12 9:50	2020-07-22 12:50	2020-08-21 11:20	2020-07-22 13:10	2020-08-03 14:40	2020-08-12 10:00
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	1430	1040	1380	1170	1330	2220	545	2310	1650	1660
pH	pH units	0.1	7.73	7.88	7.71	7.75	7.72	7.66	8.03	7.63	7.82	7.81
Total Suspended Solids	mg/L	2	7.3	237	576	252	121	72.4	20.1	267	9.4	52.2
Total Dissolved Solids	mg/L	13	1150	781	1140	872	1030	2030	461	2160	1370	1390
Turbidity	NTU	0.1	1.9	19.1	24.6	33.8	7.02	11.2	7.94	23.8	3.21	11.1
Ammonia, Total (as N)	mg/L	0.02	0.141	0.098	0.231	0.0586	0.136	0.282	<0.0050	0.381	0.219	0.0937
Aluminum (Al)-Total	mg/L	0.005	0.161	1.59	17	21.1	19.5	2.12	0.387	3.73	0.652	2.74
Antimony (Sb)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	<0.00020	<0.00020	<0.0010	<0.00010	<0.0010	<0.0010	<0.00020
Arsenic (As)-Total	mg/L	0.0001	<0.0010	<0.0010	0.004	0.00557	0.0038	<0.0010	0.00015	<0.0010	<0.0010	0.00049
Barium (Ba)-Total	mg/L	0.0002	0.0232	0.0248	0.0939	0.0794	0.0976	0.0403	0.0322	0.0701	0.0356	0.0462
Beryllium (Be)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	0.00069	0.0007	<0.0010	<0.00010	<0.0010	<0.0010	<0.00020
Bismuth (Bi)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.00050	0.00021	0.00021	<0.00050	<0.000050	<0.00050	<0.00050	<0.00010
Boron (B)-Total	mg/L	0.01	<0.10	<0.10	<0.10	<0.020	<0.020	<0.10	<0.010	<0.10	<0.10	<0.020
Cadmium (Cd)-Total	mg/L	0.00001	<0.000050	<0.000050	<0.000050	0.00003	0.000069	<0.000050	<0.0000050	<0.000050	<0.000050	0.000012
Calcium (Ca)-Total	mg/L	0.5	50.9	41.7	55.9	61.3	66.1	64.4	53.7	87.5	68.6	82.2
Cesium (Cs)-Total	mg/L	0.00001	<0.00010	<0.00010	0.00094	0.000573	0.000945	0.00016	0.000023	0.00041	<0.00010	0.000224
Chromium (Cr)-Total	mg/L	0.0005	<0.0050	0.0066	0.0504	0.0931	0.0733	0.0067	0.00162	0.0085	<0.0050	0.0113
Cobalt (Co)-Total	mg/L	0.0001	0.0026	0.003	0.0234	0.0231	0.0214	0.016	0.00057	0.0084	0.0029	0.00346
Copper (Cu)-Total	mg/L	0.001	<0.0050	<0.0050	0.023	0.0234	0.0221	<0.0050	0.00122	0.0057	<0.0050	0.0036
Iron (Fe)-Total	mg/L	0.05	0.26	2.74	28.7	36.5	33.1	3.36	0.648	5.92	0.97	4.37
Lead (Pb)-Total	mg/L	0.00005	<0.00050	0.00057	0.0078	0.00469	0.00768	0.00107	0.00022	0.00208	<0.00050	0.00113
Lithium (Li)-Total	mg/L	0.001	<0.010	<0.010	0.015	0.02	0.0225	<0.010	0.0024	<0.010	<0.010	0.0067
Magnesium (Mg)-Total	mg/L	0.05	189	114	172	164	185	333	40	339	207	213
Manganese (Mn)-Total	mg/L	0.0005	0.177	0.173	0.684	0.622	0.616	0.697	0.0121	0.454	0.151	0.114
Molybdenum (Mo)-Total	mg/L	0.00005	<0.00050	<0.00050	0.00116	0.00125	0.00131	<0.00050	0.000379	0.00062	<0.00050	0.00056
Nickel (Ni)-Total	mg/L	0.0005	<0.0050	0.0069	0.0534	0.0722	0.0599	0.0218	0.00135	0.0143	<0.0050	0.0093
Phosphorus (P)-Total	mg/L	0.05	<0.50	<0.50	<0.50	0.28	0.42	<0.50	<0.050	<0.50	<0.50	<0.10
Potassium (K)-Total	mg/L	0.05	2.35	2.41	6.02	4.51	6.67	3.31	2.5	4.29	2.78	3.44
Rubidium (Rb)-Total	mg/L	0.0002	0.0037	0.0047	0.0282	0.0188	0.0304	0.0085	0.00304	0.0146	0.0048	0.00876
Selenium (Se)-Total	mg/L	0.00005	0.00076	0.00062	0.00109	0.00093	0.00114	0.00148	0.000548	0.00177	0.00128	0.00114
Silicon (Si)-Total	mg/L	0.1	1.2	3.2	22.4	28.1	27.1	3.9	2.09	6.8	2	5.4
Silver (Ag)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.00050	0.000122	0.000088	<0.00050	<0.000010	<0.00050	<0.00050	<0.000020
Sodium (Na)-Total	mg/L	0.5	1.09	0.99	1.33	1.22	1.44	1.41	1.04	2.33	1.79	1.62
Strontium (Sr)-Total	mg/L	0.001	0.032	0.027	0.038	0.0375	0.0409	0.044	0.0307	0.059	0.042	0.0531
Sulfur (S)-Total	mg/L	0.5	268	156	228	208	241	482	64.7	499	311	324
Tellurium (Te)-Total	mg/L	0.0002	<0.0020	<0.0020	<0.0020	<0.00040	<0.00040	<0.0020	<0.00020	<0.0020	<0.0020	<0.00040
Thallium (Tl)-Total	mg/L	0.00001	<0.00010	<0.00010	0.0002	0.000128	0.000197	<0.00010	<0.000010	<0.00010	<0.00010	0.000047
Thorium (Th)-Total	mg/L	0.0001	<0.0010	<0.0010	0.0038	0.00341	0.00376	<0.0010	<0.00010	0.0015	<0.0010	0.00099
Tin (Sn)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	0.00035	0.00033	<0.0010	<0.00010	<0.0010	<0.0010	<0.00020
Titanium (Ti)-Total	mg/L	0.0003	0.0057	0.0554	0.555	0.372	0.576	0.0921	0.0119	0.277	0.0395	0.12
Tungsten (W)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	<0.00020	<0.00020	<0.0010	<0.00010	<0.0010	<0.0010	<0.00020
Uranium (U)-Total	mg/L	0.00001	0.00121	0.00171	0.00485	0.00379	0.00478	0.00175	0.00246	0.00231	0.0023	0.00306
Vanadium (V)-Total	mg/L	0.0005	<0.0050	<0.0050	0.0202	0.0246	0.0249	<0.0050	0.00079	0.0076	<0.0050	0.0056
Zinc (Zn)-Total	mg/L	0.003	<0.030	<0.030	0.032	0.0434	0.0587	<0.030	<0.0030	<0.030	<0.030	0.0074
Zirconium (Zr)-Total	mg/L	0.0003	<0.0020	<0.0020	0.0029	0.00292	0.00335	<0.0020	0.00026	0.0021	<0.0020	0.00126

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-04A	WRP-20-04	WRP-20-04	WRP-20-05	WRP-20-05	WRP-20-05A	WRP-20-05A	WRP-20-05	WRP-20-05A	WRP-20-07
	ALS Laboratory Sample ID		L2495466-1	L2495466-2	L2496722-5	L2478363-4	L2482855-4	L2482855-5	L2488602-4	L2495466-3	L2496722-6	L2478363-5
	Sample Date & Time		2020-08-21 12:35	2020-08-21 11:40	2020-08-31 13:40	2020-07-22 13:20:00 PM	2020-08-03 14:50	2020-08-03 14:50	2020-08-12 10:10	2020-08-21 14:35	2020-08-31 13:50	2020-07-22 13:40:00 PM
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	1600	1390	1220	4370	3980	3600	5120	1820	4490	4150
pH	pH units	0.1	7.71	7.81	7.76	7.4	7.73	7.55	7.47	7.83	7.47	7.2
Total Suspended Solids	mg/L	2	5.2	27.2	<2.0	40.9	48.2	62.4	266	5	18.4	234
Total Dissolved Solids	mg/L	13	1430	1210	940	4740	4230	3760	5450	1660	5300	4460
Turbidity	NTU	0.1	1.78	35.5	4.94	10.6	16.7	15.8	23.3	5.11	227	32
Ammonia, Total (as N)	mg/L	0.02	0.202	0.107	0.067	1.47	1.77	1.49	1.24	0.149	1.61	1.94
Aluminum (Al)-Total	mg/L	0.005	0.0593	2.05	0.519	1.02	1.65	0.922	15.9	0.312	5.13	11.3
Antimony (Sb)-Total	mg/L	0.0001	<0.00010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.00010	<0.0010	<0.0010
Arsenic (As)-Total	mg/L	0.0001	<0.00010	0.00046	<0.0010	<0.0010	<0.0010	<0.0010	0.00214	0.00013	<0.0010	0.0016
Barium (Ba)-Total	mg/L	0.0002	0.0247	0.0317	0.0267	0.0299	0.0446	0.03	0.14	0.0381	0.0601	0.0613
Beryllium (Be)-Total	mg/L	0.0001	<0.00010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010	0.00068	<0.00010	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	<0.000050	<0.000050	<0.00050	<0.00050	<0.00050	<0.00050	0.00037	<0.000050	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.01	<0.010	<0.010	<0.10	<0.10	<0.10	<0.10	<0.050	<0.010	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	0.000006	0.0000073	<0.000050	0.000116	0.000078	0.00015	0.000178	0.0000055	0.000179	0.000246
Calcium (Ca)-Total	mg/L	0.5	71.6	67	56	89.9	98.1	116	210	89.1	139	131
Cesium (Cs)-Total	mg/L	0.00001	<0.000010	0.000076	<0.00010	<0.00010	0.00015	<0.00010	0.00109	0.00003	0.00057	0.00068
Chromium (Cr)-Total	mg/L	0.0005	0.00027	0.00905	<0.0050	<0.0050	<0.0050	<0.0050	0.0665	0.00107	0.0192	0.0463
Cobalt (Co)-Total	mg/L	0.0001	0.00328	0.00345	0.0015	0.04	0.027	0.0231	0.0198	0.00229	0.0332	0.0422
Copper (Cu)-Total	mg/L	0.001	<0.00050	0.00238	<0.0050	<0.0050	<0.0050	<0.0050	0.0283	0.00088	0.0127	0.025
Iron (Fe)-Total	mg/L	0.05	0.08	3.67	0.73	1.84	2.56	1.71	27	0.415	9.03	20.7
Lead (Pb)-Total	mg/L	0.00005	<0.000050	0.000457	<0.00050	0.00071	0.0012	0.00062	0.00964	0.000165	0.00434	0.00599
Lithium (Li)-Total	mg/L	0.001	0.004	0.006	<0.010	0.014	<0.010	<0.010	0.0229	0.0047	0.013	0.027
Magnesium (Mg)-Total	mg/L	0.05	206	176	151	848	675	539	841	235	836	703
Manganese (Mn)-Total	mg/L	0.0005	0.179	0.22	0.0666	4.13	3.32	4.24	1.66	0.128	5.82	8.41
Molybdenum (Mo)-Total	mg/L	0.00005	0.000402	0.00046	0.00073	0.00068	0.00076	0.00146	0.00204	0.000631	0.00169	0.00223
Nickel (Ni)-Total	mg/L	0.0005	0.00432	0.00876	<0.0050	0.0467	0.0325	0.0275	0.0463	0.00305	0.0429	0.067
Phosphorus (P)-Total	mg/L	0.05	<0.050	<0.050	<0.50	<0.50	<0.50	<0.50	0.57	<0.050	<0.50	<0.50
Potassium (K)-Total	mg/L	0.05	2.84	3.07	2.62	5.16	5.36	6.09	11.9	3.26	7.85	8.7
Rubidium (Rb)-Total	mg/L	0.0002	0.00405	0.00545	0.0041	0.0073	0.0094	0.0065	0.0356	0.00453	0.0156	0.0183
Selenium (Se)-Total	mg/L	0.00005	0.00133	0.00101	0.00092	0.00588	0.00513	0.00508	0.00787	0.00183	0.00702	0.0062
Silicon (Si)-Total	mg/L	0.1	1.45	4.32	1.9	3	4.7	2.9	23.6	1.76	8.9	15.7
Silver (Ag)-Total	mg/L	0.00005	<0.000010	<0.000010	<0.00050	<0.00050	<0.00050	<0.00050	0.000102	<0.000010	<0.00050	<0.00050
Sodium (Na)-Total	mg/L	0.5	1.55	1.37	1.59	6.5	10.3	12.3	16	2.15	9.48	13.4
Strontium (Sr)-Total	mg/L	0.001	0.0492	0.0432	0.035	0.087	0.092	0.097	0.16	0.0583	0.127	0.115
Sulfur (S)-Total	mg/L	0.5	335	278	216	1150	950	798	1370	388	1190	1010
Tellurium (Te)-Total	mg/L	0.0002	<0.00020	<0.00020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0010	<0.00020	<0.0020	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	0.000017	0.000022	<0.00010	<0.00010	<0.00010	<0.00010	0.000204	0.000019	0.00012	0.00016
Thorium (Th)-Total	mg/L	0.0001	<0.00010	0.00032	<0.0010	<0.0010	0.001	<0.0010	0.00613	0.00011	0.0028	0.0029
Tin (Sn)-Total	mg/L	0.0001	<0.00010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.00010	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.0003	<0.0015	0.0498	0.0277	0.0534	0.0955	0.0314	0.539	0.0145	0.227	0.327
Tungsten (W)-Total	mg/L	0.0001	<0.00010	<0.00010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.00010	<0.0010	<0.0010
Uranium (U)-Total	mg/L	0.00001	0.00206	0.00213	0.00269	0.00255	0.00394	0.00679	0.00574	0.00255	0.00813	0.00642
Vanadium (V)-Total	mg/L	0.0005	<0.00050	0.00284	<0.0050	<0.0050	<0.0050	<0.0050	0.0255	0.0007	0.01	0.0168
Zinc (Zn)-Total	mg/L	0.003	<0.0030	0.0043	<0.030	<0.030	<0.030	<0.030	0.045	<0.0030	<0.030	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	<0.00020	0.0009	<0.0020	<0.0020	0.0028	<0.0020	0.0071	0.00036	0.002	0.0043

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-07	WRP-20-07	WRP-20-07	WRP-20-07	WRP-20-07A	WRP-20-08	WRP-20-08	WRP-20-09	WRP-20-10	WRP-20-10
	ALS Laboratory Sample ID		L2482855-6	L2488602-5	L2495466-7	L2496722-7	L2496722-8	L2478363-6	L2495466-6	L2478363-7	L2478363-8	L2495466-5
	Sample Date & Time		2020-08-03 15:10	2020-08-12 10:30	2020-08-21 15:30	2020-08-31 14:10	2020-08-31 14:20	2020-07-22 14:40:00 PM	2020-08-21 15:55	2020-07-22 14:55:00 PM	2020-07-22 15:15:00 PM	2020-08-21 16:25
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	4080	5220	3820	4660	2980	5590	4440	3950	4170	8270
pH	pH units	0.1	7.38	7.35	7.4	7.53	7.27	6.6	6.97	6.77	7	4.55
Total Suspended Solids	mg/L	2	233	330	19.2	68.8	4.4	180	115	5.6	13.7	32.7
Total Dissolved Solids	mg/L	13	4320	5920	4290	4780	3270	6270	5060	4220	4430	11000
Turbidity	NTU	0.1	14.3	18.8	11.8	17.8	40	137	30	4.35	1.62	31.3
Ammonia, Total (as N)	mg/L	0.02	1.66	1.76	1.43	1.69	1.47	3.39	2.38	2.61	3.95	7.6
Aluminum (Al)-Total	mg/L	0.005	5.72	23.8	0.674	3.41	3.96	3.66	4.63	0.704	0.877	13.5
Antimony (Sb)-Total	mg/L	0.0001	<0.0010	<0.00050	<0.00050	<0.0010	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0020
Arsenic (As)-Total	mg/L	0.0001	<0.0010	0.00313	<0.00050	<0.0010	<0.0010	0.0015	0.00099	<0.0010	<0.0010	0.0034
Barium (Ba)-Total	mg/L	0.0002	0.0507	0.139	0.0402	0.0394	0.0187	0.0333	0.0275	0.0212	0.0994	0.0491
Beryllium (Be)-Total	mg/L	0.0001	<0.0010	0.00108	<0.00050	<0.0010	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	0.0054
Bismuth (Bi)-Total	mg/L	0.00005	<0.00050	0.00046	<0.00025	<0.00050	<0.00050	<0.00050	<0.00025	<0.00050	<0.00050	<0.0010
Boron (B)-Total	mg/L	0.01	<0.10	<0.050	<0.050	<0.10	<0.10	<0.10	0.062	<0.10	<0.10	<0.20
Cadmium (Cd)-Total	mg/L	0.00001	0.000169	0.000287	0.000093	0.000162	0.000127	0.0004	0.000325	0.000209	0.000139	0.00344
Calcium (Ca)-Total	mg/L	0.5	109	120	112	141	74.4	204	148	141	204	156
Cesium (Cs)-Total	mg/L	0.00001	0.00044	0.00169	0.00006	0.00024	0.00016	0.00011	0.00013	<0.00010	<0.00010	<0.00020
Chromium (Cr)-Total	mg/L	0.0005	0.0206	0.086	0.00242	0.0148	0.0147	0.0103	0.0257	<0.0050	<0.0050	<0.0020
Cobalt (Co)-Total	mg/L	0.0001	0.0317	0.0634	0.0235	0.0315	0.0212	0.0677	0.0521	0.0543	0.0487	1.71
Copper (Cu)-Total	mg/L	0.001	0.0134	0.0515	<0.0025	0.0079	0.0059	0.007	0.0066	<0.0050	<0.0050	0.096
Iron (Fe)-Total	mg/L	0.05	10.5	43.9	1.07	6.36	7.97	9.1	8.9	1.91	2.04	90.5
Lead (Pb)-Total	mg/L	0.00005	0.00337	0.0144	0.00055	0.00263	0.00115	0.0008	0.00067	<0.00050	0.00081	<0.0010
Lithium (Li)-Total	mg/L	0.001	0.016	0.0383	0.0132	0.012	0.011	0.03	0.02	<0.010	0.012	0.154
Magnesium (Mg)-Total	mg/L	0.05	687	979	648	883	513	1020	734	662	664	1610
Manganese (Mn)-Total	mg/L	0.0005	6.33	8.24	6.31	6.89	4.68	12.3	11.1	6.73	13.9	86.6
Molybdenum (Mo)-Total	mg/L	0.00005	0.0017	0.0033	0.00108	0.00219	0.00151	0.00135	0.00176	0.00194	0.00249	0.003
Nickel (Ni)-Total	mg/L	0.0005	0.0436	0.104	0.0253	0.0389	0.0307	0.0643	0.0792	0.0992	0.0314	2.12
Phosphorus (P)-Total	mg/L	0.05	<0.50	0.97	<0.25	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<1.0
Potassium (K)-Total	mg/L	0.05	7	10.8	7.19	7.12	6.01	10.6	9.04	7.35	9.13	17.4
Rubidium (Rb)-Total	mg/L	0.0002	0.0143	0.0373	0.0058	0.0093	0.0071	0.0121	0.0106	0.0086	0.0176	0.0206
Selenium (Se)-Total	mg/L	0.00005	0.00594	0.00925	0.00605	0.00703	0.00518	0.0129	0.00877	0.0104	0.0139	0.0278
Silicon (Si)-Total	mg/L	0.1	9.4	33.5	3.38	6.4	7.2	7.4	9.16	3.6	3.4	9.6
Silver (Ag)-Total	mg/L	0.00005	<0.00050	0.000208	<0.000050	<0.00050	<0.00050	<0.00050	<0.000050	<0.00050	<0.00050	<0.00020
Sodium (Na)-Total	mg/L	0.5	9.76	12.1	7.27	8.77	6.69	13.7	9.06	8.35	10.4	12.2
Strontium (Sr)-Total	mg/L	0.001	0.1	0.126	0.104	0.124	0.083	0.23	0.158	0.158	0.23	0.315
Sulfur (S)-Total	mg/L	0.5	979	1490	1010	1250	719	1500	1160	947	1040	2490
Tellurium (Te)-Total	mg/L	0.0002	<0.0020	<0.0010	<0.0010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0040
Thallium (Tl)-Total	mg/L	0.00001	0.00011	0.00031	<0.000050	<0.00010	<0.00010	0.00012	0.000084	<0.00010	<0.00010	0.0003
Thorium (Th)-Total	mg/L	0.0001	0.0019	0.0093	<0.00050	0.0013	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0020
Tin (Sn)-Total	mg/L	0.0001	<0.0010	<0.00050	<0.00050	<0.0010	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0020
Titanium (Ti)-Total	mg/L	0.0003	0.205	0.777	0.0229	0.106	0.073	0.071	0.106	0.0228	0.0382	0.0116
Tungsten (W)-Total	mg/L	0.0001	<0.0010	0.00059	<0.00050	<0.0010	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0020
Uranium (U)-Total	mg/L	0.00001	0.0047	0.00849	0.0032	0.00562	0.00116	0.00098	0.0018	0.00171	0.00281	0.0228
Vanadium (V)-Total	mg/L	0.0005	0.0088	0.0364	<0.0025	0.0055	0.005	<0.0050	0.0069	<0.0050	<0.0050	<0.010
Zinc (Zn)-Total	mg/L	0.003	<0.030	0.057	<0.015	<0.030	<0.030	<0.030	<0.015	<0.030	<0.030	0.207
Zirconium (Zr)-Total	mg/L	0.0003	0.003	0.0125	0.001	0.0026	<0.0020	<0.0020	0.0016	<0.0020	<0.0020	<0.0040

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-11	WRP-20-11	WRP-20-12	WRP-20-12	WRP-20-13	WRP-20-13	WRP-20-14	WRP-20-14	WRP-20-14	WRP-20-1401
	ALS Laboratory Sample ID		L2478363-9	L2482855-7	L2478363-10	L2495466-16	L2478363-11	L2495466-12	L2478363-12	L2485429-1	L2488602-6	L2488602-7
	Sample Date & Time		2020-07-22 15:25:00 PM	2020-08-03 15:45	2020-07-22 15:35:00 PM	2020-08-22 10:00	2020-07-22 15:50:00 PM	2020-08-22 10:25	2020-07-22 16:05:00 PM	2020-08-04 14:00	2020-08-12 10:50	2020-08-12 10:50
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Field Duplicate
	Units	LOR										
Conductivity	umhos/cm	3	3770	5370	4140	1320	4120	1980	<3.0	4730	5360	5360
pH	pH units	0.1	6.68	4.87	6.57	7.24	6.25	7.21	6.28	5.31	6.19	6.24
Total Suspended Solids	mg/L	2	447	162	46.2	215	60.2	167	138	35.8	121	111
Total Dissolved Solids	mg/L	13	3810	6160	4260	1110	4110	1760	4100	4780	5520	5790
Turbidity	NTU	0.1	41.9	78.7	20.7	447	19.5	471	27.5	31.9	11.5	13.1
Ammonia, Total (as N)	mg/L	0.02	5.59	5.36	6.29	2.31	6.33	6.12	6.71	5.47	4.92	4.92
Aluminum (Al)-Total	mg/L	0.005	5.08	34.9	3.89	11.4	0.765	6.73	8.72	1.39	1.73	1.9
Antimony (Sb)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	<0.00010	<0.0010	<0.00010	<0.0010	<0.0010	<0.00050	<0.00050
Arsenic (As)-Total	mg/L	0.0001	0.0011	0.0056	0.0015	0.00434	<0.0010	0.00242	0.0014	<0.0010	0.00069	0.00068
Barium (Ba)-Total	mg/L	0.0002	0.127	0.0641	0.0587	0.0313	0.0344	0.0216	0.079	0.0316	0.0319	0.0307
Beryllium (Be)-Total	mg/L	0.0001	<0.0010	0.0111	0.0018	0.0005	<0.0010	0.00036	0.0019	0.0013	<0.00050	0.00058
Bismuth (Bi)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.00050	0.000122	<0.00050	0.000085	0.00058	<0.00050	<0.00025	<0.00025
Boron (B)-Total	mg/L	0.01	<0.10	<0.10	<0.10	0.03	<0.10	0.06	<0.10	<0.10	0.087	0.088
Cadmium (Cd)-Total	mg/L	0.00001	0.0005	0.00191	0.0007	0.0000356	0.00056	0.0000544	0.000514	0.000768	0.000396	0.000396
Calcium (Ca)-Total	mg/L	0.5	152	126	138	38.5	126	55.4	122	147	161	165
Cesium (Cs)-Total	mg/L	0.00001	0.00032	0.00044	0.00016	0.00044	<0.00010	0.000264	0.00039	<0.00010	0.000083	0.000094
Chromium (Cr)-Total	mg/L	0.0005	0.0147	0.0531	0.0091	0.0519	<0.0050	0.0289	0.0093	<0.0050	0.00474	0.00442
Cobalt (Co)-Total	mg/L	0.0001	0.0886	0.63	0.188	0.0247	0.2	0.025	0.193	0.27	0.232	0.235
Copper (Cu)-Total	mg/L	0.001	0.0081	0.131	0.0227	0.0242	0.0133	0.0113	0.0262	0.0108	0.0074	0.0075
Iron (Fe)-Total	mg/L	0.05	9.78	59.5	8.3	19	7.66	14.3	20.8	8.1	7.93	8.02
Lead (Pb)-Total	mg/L	0.00005	0.00217	0.0032	0.0008	0.00335	<0.00050	0.00199	0.00208	<0.00050	0.00029	0.00028
Lithium (Li)-Total	mg/L	0.001	0.039	0.106	0.067	0.0293	0.043	0.0276	0.051	0.067	0.0446	0.0443
Magnesium (Mg)-Total	mg/L	0.05	562	934	662	153	625	249	586	730	827	820
Manganese (Mn)-Total	mg/L	0.0005	14.8	34.9	15.9	0.866	11.3	1.45	10.4	15.9	15	14.8
Molybdenum (Mo)-Total	mg/L	0.00005	0.00069	0.00845	0.0043	0.00153	0.00128	0.00141	0.00423	0.00211	0.0032	0.00322
Nickel (Ni)-Total	mg/L	0.0005	0.183	1.01	0.374	0.0531	0.291	0.0456	0.274	0.396	0.313	0.314
Phosphorus (P)-Total	mg/L	0.05	<0.50	<0.50	<0.50	0.218	<0.50	0.143	<0.50	<0.50	<0.25	<0.25
Potassium (K)-Total	mg/L	0.05	15.7	14.6	14.1	5.5	9.48	7.23	11.9	10.6	12	12
Rubidium (Rb)-Total	mg/L	0.0002	0.0267	0.0226	0.0213	0.014	0.0096	0.00979	0.021	0.0096	0.0099	0.0102
Selenium (Se)-Total	mg/L	0.00005	0.0145	0.0211	0.0169	0.00517	0.0119	0.00423	0.0121	0.0191	0.0184	0.0189
Silicon (Si)-Total	mg/L	0.1	9.2	21.4	7.6	19	4.3	11.5	13.6	5.6	5.04	4.99
Silver (Ag)-Total	mg/L	0.00005	<0.00050	<0.00050	<0.00050	0.00004	<0.00050	0.000047	<0.00050	<0.00050	<0.000050	<0.000050
Sodium (Na)-Total	mg/L	0.5	9.64	8.98	10.2	6.76	9.33	7.29	9.44	10.6	11.7	11.6
Strontium (Sr)-Total	mg/L	0.001	0.238	0.232	0.222	0.0673	0.206	0.099	0.216	0.249	0.298	0.292
Sulfur (S)-Total	mg/L	0.5	810	1390	922	145	778	265	745	999	1070	1080
Tellurium (Te)-Total	mg/L	0.0002	<0.0020	<0.0020	<0.0020	<0.00020	<0.0020	<0.00020	<0.0020	<0.0020	<0.0010	<0.0010
Thallium (Tl)-Total	mg/L	0.00001	0.0002	0.00029	0.00022	0.000088	0.00011	0.000073	0.00017	0.0001	0.00009	0.000085
Thorium (Th)-Total	mg/L	0.0001	0.001	0.0019	<0.0010	0.00315	<0.0010	0.0017	0.0013	<0.0010	<0.00050	<0.00050
Tin (Sn)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	0.00021	<0.0010	0.00014	<0.0010	<0.0010	<0.00050	<0.00050
Titanium (Ti)-Total	mg/L	0.0003	0.152	0.199	0.0459	0.215	0.0143	0.126	0.297	0.029	0.0349	0.0355
Tungsten (W)-Total	mg/L	0.0001	<0.0010	<0.0010	<0.0010	<0.00010	<0.0010	<0.00010	<0.0010	<0.0010	<0.00050	<0.00050
Uranium (U)-Total	mg/L	0.00001	0.00155	0.0242	0.00617	0.00102	0.00159	0.000846	0.00391	0.00262	0.00115	0.00118
Vanadium (V)-Total	mg/L	0.0005	0.0065	0.0144	<0.0050	0.0147	<0.0050	0.00865	0.0093	<0.0050	<0.0025	<0.0025
Zinc (Zn)-Total	mg/L	0.003	<0.030	0.102	<0.030	0.021	<0.030	0.0116	<0.030	<0.030	0.023	0.022
Zirconium (Zr)-Total	mg/L	0.0003	<0.0020	0.0047	<0.0020	0.00441	<0.0020	0.00299	0.0028	<0.0020	<0.0010	<0.0010

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-14	WRP-20-15	WRP-20-15	WRP-20-1501	WRP-20-15	WRP-20-15	WRP-20-15	WRP-20-17	WRP-20-17	WRP-20-17
	ALS Laboratory Sample ID		L2495466-21	L2478363-13	L2485429-3	L2485429-4	L2488602-8	L2495466-19	L2496722-9	L2478363-14	L2485429-5	L2495466-13
	Sample Date & Time		2020-08-22 10:30	2020-07-22 16:20:00 PM	2020-08-04 14:10	2020-08-04 14:10	2020-08-12 11:15	2020-08-22 11:05	2020-08-31 15:00	2020-07-22 16:40:00 PM	2020-08-04 14:30	2020-08-22 12:50
	QA/QC Sample Type		N/A	N/A	N/A	Field Duplicate	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	2310	2240	2200	2190	2480	2000	2350	2920	3040	2900
pH	pH units	0.1	6.61	6.4	6.61	6.71	7.05	6.81	6.99	6.87	6.64	6.51
Total Suspended Solids	mg/L	2	109	40.5	20.8	5.2	14.5	4.4	14	37.7	34.2	2.6
Total Dissolved Solids	mg/L	13	2170	2040	2070	2040	2580	1960	2250	2790	3080	3010
Turbidity	NTU	0.1	303	29.7	10.8	3.6	2.83	4.86	0.92	15.2	8.27	5.26
Ammonia, Total (as N)	mg/L	0.02	7.2	3.57	3.33	3.32	3.23	2.5	2.93	2.42	2.45	2.45
Aluminum (Al)-Total	mg/L	0.005	5.05	0.626	0.692	0.144	1.24	0.13	0.143	0.759	0.219	0.0282
Antimony (Sb)-Total	mg/L	0.0001	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020
Arsenic (As)-Total	mg/L	0.0001	0.00191	<0.0010	<0.0010	<0.0010	<0.00020	0.0001	<0.0010	<0.0010	<0.0010	<0.00020
Barium (Ba)-Total	mg/L	0.0002	0.0201	0.0246	0.0217	0.0187	0.027	0.0157	0.017	0.0301	0.0254	0.0187
Beryllium (Be)-Total	mg/L	0.0001	0.00031	<0.0010	<0.0010	<0.0010	<0.00020	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020
Bismuth (Bi)-Total	mg/L	0.00005	0.000062	<0.00050	<0.00050	<0.00050	<0.00010	<0.000050	<0.00050	<0.00050	<0.00050	<0.00010
Boron (B)-Total	mg/L	0.01	0.061	<0.10	<0.10	<0.10	0.063	0.067	<0.10	<0.10	<0.10	0.053
Cadmium (Cd)-Total	mg/L	0.00001	0.000135	0.000213	0.000185	0.000174	0.000166	0.000185	0.000135	0.000224	0.000322	0.000249
Calcium (Ca)-Total	mg/L	0.5	55	88.5	85.6	85.6	112	95.5	101	91.2	93.5	82.2
Cesium (Cs)-Total	mg/L	0.00001	0.000203	<0.00010	<0.00010	<0.00010	0.000131	0.000031	<0.00010	<0.00010	<0.00010	0.000031
Chromium (Cr)-Total	mg/L	0.0005	0.0203	<0.0050	<0.0050	<0.0050	0.00258	0.00032	<0.0050	<0.0050	<0.0050	<0.00020
Cobalt (Co)-Total	mg/L	0.0001	0.0804	0.083	0.0595	0.0592	0.044	0.0591	0.0416	0.0744	0.0967	0.0972
Copper (Cu)-Total	mg/L	0.001	0.00802	0.0157	0.0054	<0.0050	0.0043	0.00381	<0.0050	<0.0050	<0.0050	0.0014
Iron (Fe)-Total	mg/L	0.05	12.4	5.97	1.75	0.73	2.4	0.403	0.25	1.4	0.83	0.857
Lead (Pb)-Total	mg/L	0.00005	0.00149	<0.00050	<0.00050	<0.00050	0.00063	0.00013	<0.00050	0.00131	<0.00050	0.0002
Lithium (Li)-Total	mg/L	0.001	0.0296	0.027	0.027	0.025	0.0241	0.0232	0.024	0.028	0.039	0.0352
Magnesium (Mg)-Total	mg/L	0.05	284	283	295	292	372	260	323	447	477	403
Manganese (Mn)-Total	mg/L	0.0005	4.22	7.14	7.16	7.3	7.31	7.59	6.92	8.16	9.42	8.96
Molybdenum (Mo)-Total	mg/L	0.00005	0.00227	0.00443	0.0085	0.00882	0.0087	0.00725	0.00759	0.00385	0.00255	0.0025
Nickel (Ni)-Total	mg/L	0.0005	0.113	0.0996	0.0747	0.0753	0.0614	0.074	0.0608	0.126	0.159	0.144
Phosphorus (P)-Total	mg/L	0.05	0.103	<0.50	<0.50	<0.50	<0.10	<0.050	<0.50	<0.50	<0.50	<0.10
Potassium (K)-Total	mg/L	0.05	7.86	14.8	14.3	14.6	17	15.4	12.8	10.8	9.69	8.25
Rubidium (Rb)-Total	mg/L	0.0002	0.00897	0.0115	0.0107	0.0106	0.0115	0.00851	0.0084	0.011	0.0104	0.0088
Selenium (Se)-Total	mg/L	0.00005	0.00597	0.00629	0.00689	0.00629	0.0078	0.00755	0.00843	0.00836	0.00975	0.0105
Silicon (Si)-Total	mg/L	0.1	8.57	3.6	3.8	2.9	4.53	3.51	3.3	4.1	3.6	3.34
Silver (Ag)-Total	mg/L	0.00005	0.000041	<0.00050	<0.00050	<0.00050	<0.000020	<0.000010	<0.00050	<0.00050	<0.00050	<0.000020
Sodium (Na)-Total	mg/L	0.5	7.01	14.3	10.9	11	10.4	12.9	11.9	5.06	4.84	5.16
Strontium (Sr)-Total	mg/L	0.001	0.111	0.113	0.103	0.107	0.133	0.11	0.108	0.104	0.097	0.0937
Sulfur (S)-Total	mg/L	0.5	352	444	460	465	610	447	506	680	750	637
Tellurium (Te)-Total	mg/L	0.0002	<0.00020	<0.0020	<0.0020	<0.0020	<0.00040	<0.00020	<0.0020	<0.0020	<0.0020	<0.00040
Thallium (Tl)-Total	mg/L	0.00001	0.000073	<0.00010	<0.00010	<0.00010	0.000055	0.000034	<0.00010	<0.00010	<0.00010	0.000053
Thorium (Th)-Total	mg/L	0.0001	0.0013	<0.0010	<0.0010	<0.0010	0.00047	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020
Tin (Sn)-Total	mg/L	0.0001	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020
Titanium (Ti)-Total	mg/L	0.0003	0.0878	0.0219	0.0337	0.0129	0.0703	0.00584	0.0066	0.0344	0.0129	<0.00060
Tungsten (W)-Total	mg/L	0.0001	0.0001	<0.0010	<0.0010	<0.0010	<0.00020	<0.00010	<0.0010	<0.0010	<0.0010	<0.00020
Uranium (U)-Total	mg/L	0.00001	0.000913	0.00963	0.0125	0.0115	0.0116	0.00528	0.00657	0.00769	0.00468	0.00395
Vanadium (V)-Total	mg/L	0.0005	0.00632	<0.0050	<0.0050	<0.0050	0.0023	<0.00050	<0.0050	<0.0050	<0.0050	<0.0010
Zinc (Zn)-Total	mg/L	0.003	0.0134	<0.030	<0.030	<0.030	<0.0060	0.0034	<0.030	<0.030	<0.030	<0.0060
Zirconium (Zr)-Total	mg/L	0.0003	0.00228	<0.0020	<0.0020	<0.0020	0.00097	0.00037	<0.0020	<0.0020	<0.0020	<0.00040

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-17	WRP-20-18	WRP-20-1801	WRP-20-18	WRP-20-18	WRP-20-18	WRP-20-18	WRP-20-19	WRP-20-1901	WRP-20-19
	ALS Laboratory Sample ID		L2496722-4	L2479665-1	L2479665-2	L2485429-7	L2488602-9	L2495466-14	L2496722-3	L2479665-3	L2479665-4	L2485429-8
	Sample Date & Time		2020-08-31 12:45	2020-07-24 10:00	2020-07-24 10:00	2020-08-04 14:40	2020-08-12 11:30	2020-08-22 13:05	2020-08-31 12:30	2020-07-24 10:30	2020-07-24 10:30	2020-08-04 14:50
	QA/QC Sample Type		N/A	N/A	Field Duplicate	N/A	N/A	N/A	N/A	N/A	Field Duplicate	N/A
	Units	LOR										
Conductivity	umhos/cm	3	3050	3260	3220	3420	3700	2780	3140	2450	2470	2410
pH	pH units	0.1	6.79	6.67	6.68	6.33	7.23	6.75	6.94	6.32	6.3	6.22
Total Suspended Solids	mg/L	2	45.6	5.8	4.7	39.2	43.6	21.2	26.8	22.9	24.9	41.2
Total Dissolved Solids	mg/L	13	2920	3280	3240	3360	3790	2850	3090	2340	2340	2150
Turbidity	NTU	0.1	4.33	4.55	3.62	48.5	17	23.9	60.3	34.5	35.5	65.3
Ammonia, Total (as N)	mg/L	0.02	2.85	1.91	1.9	2.39	1.75	2.4	2.82	3.9	3.9	3.51
Aluminum (Al)-Total	mg/L	0.005	0.572	0.131	0.0723	1.13	4.19	0.236	2.4	0.488	0.447	0.54
Antimony (Sb)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010
Arsenic (As)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	0.00059	<0.00020	<0.0010	0.00022	<0.00020	<0.0010
Barium (Ba)-Total	mg/L	0.0002	0.0231	0.026	0.0255	0.0263	0.0515	0.0198	0.0309	0.0332	0.0316	0.0259
Beryllium (Be)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	0.00045	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	<0.00050	<0.00010	<0.00010	<0.00050	<0.00010	<0.00010	<0.00050	<0.00010	<0.00010	<0.00050
Boron (B)-Total	mg/L	0.01	<0.10	0.061	0.06	<0.10	0.057	0.051	<0.10	0.052	0.05	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	0.000251	0.000312	0.000321	0.000382	0.000298	0.000224	0.000232	0.000131	0.000114	0.000091
Calcium (Ca)-Total	mg/L	0.5	96.8	91.7	93.8	97.4	112	80.2	96.2	89.1	90.5	73.5
Cesium (Cs)-Total	mg/L	0.00001	<0.00010	0.000027	0.000022	<0.00010	0.000323	0.000037	0.00019	0.000056	0.000062	<0.00010
Chromium (Cr)-Total	mg/L	0.0005	<0.0050	<0.00020	<0.00020	<0.0050	0.00785	0.00044	<0.0050	0.00127	0.00133	<0.0050
Cobalt (Co)-Total	mg/L	0.0001	0.0747	0.112	0.113	0.131	0.0723	0.0908	0.0809	0.0879	0.0867	0.083
Copper (Cu)-Total	mg/L	0.001	<0.0050	0.0038	0.0037	0.0085	0.0141	0.0028	0.0099	0.0061	0.0059	<0.0050
Iron (Fe)-Total	mg/L	0.05	1.11	1.09	1.01	3.22	7.65	0.536	3.91	8.67	8.32	9.92
Lead (Pb)-Total	mg/L	0.00005	0.00099	0.00023	0.00016	0.00136	0.00428	0.00034	0.00218	0.00025	0.00023	<0.00050
Lithium (Li)-Total	mg/L	0.001	0.032	0.0399	0.041	0.045	0.034	0.0346	0.032	0.0209	0.0192	0.019
Magnesium (Mg)-Total	mg/L	0.05	481	511	519	535	563	408	501	363	353	347
Manganese (Mn)-Total	mg/L	0.0005	8.22	10	9.97	10.9	9.43	8.43	8.22	7.37	7.12	6.53
Molybdenum (Mo)-Total	mg/L	0.00005	0.00309	0.00151	0.0015	0.0012	0.00268	0.002	0.00208	0.00252	0.00244	0.002
Nickel (Ni)-Total	mg/L	0.0005	0.125	0.181	0.182	0.21	0.122	0.143	0.135	0.0879	0.0868	0.0848
Phosphorus (P)-Total	mg/L	0.05	<0.50	<0.10	<0.10	<0.50	<0.10	<0.10	<0.50	<0.10	<0.10	<0.50
Potassium (K)-Total	mg/L	0.05	8.15	8.15	8.14	6.93	12	7.24	8.28	12.2	12.5	9.3
Rubidium (Rb)-Total	mg/L	0.0002	0.0099	0.00866	0.00863	0.0107	0.018	0.00856	0.0132	0.0106	0.0103	0.0099
Selenium (Se)-Total	mg/L	0.00005	0.0102	0.00997	0.0105	0.0114	0.0117	0.0104	0.00998	0.00757	0.00794	0.00585
Silicon (Si)-Total	mg/L	0.1	3.8	3.41	3.25	4.8	8.89	3.38	6.3	2.85	2.88	2.7
Silver (Ag)-Total	mg/L	0.00005	<0.00050	<0.000020	<0.000020	<0.00050	0.000032	<0.000020	<0.00050	<0.000020	<0.000020	<0.00050
Sodium (Na)-Total	mg/L	0.5	6.37	5.19	5.07	4.72	6.12	5.65	6.89	8.25	7.77	6.8
Strontium (Sr)-Total	mg/L	0.001	0.093	0.0961	0.0968	0.083	0.11	0.0774	0.093	0.132	0.131	0.118
Sulfur (S)-Total	mg/L	0.5	701	739	756	859	877	635	695	572	561	500
Tellurium (Te)-Total	mg/L	0.0002	<0.0020	<0.00040	<0.00040	<0.0020	<0.00040	<0.00040	<0.0020	<0.00040	<0.00040	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	<0.00010	0.000074	0.000074	0.0001	0.000114	0.000084	0.00012	0.00008	0.000073	<0.00010
Thorium (Th)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	0.00181	<0.00020	0.0012	<0.00020	<0.00020	<0.0010
Tin (Sn)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010
Titanium (Ti)-Total	mg/L	0.0003	0.0298	0.00446	0.00243	0.0578	0.187	0.0101	0.0983	0.0186	0.0174	0.0616
Tungsten (W)-Total	mg/L	0.0001	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.0010
Uranium (U)-Total	mg/L	0.00001	0.00681	0.00545	0.00568	0.00611	0.00971	0.00699	0.00998	0.00147	0.00141	0.00113
Vanadium (V)-Total	mg/L	0.0005	<0.0050	<0.0010	<0.0010	<0.0050	0.0058	<0.0010	<0.0050	<0.0010	<0.0010	<0.0050
Zinc (Zn)-Total	mg/L	0.003	<0.030	0.0092	0.0096	<0.030	0.0128	0.0071	<0.030	0.0083	0.0079	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	<0.0020	<0.00040	<0.00040	<0.0020	0.00553	0.00041	0.003	<0.00040	<0.00040	<0.0020

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-19	WRP-20-19	WRP-20-19	WRP-20-20	WRP-20-20	WRP-20-20	WRP-20-20	WRP-20-20A	WRP-20-20A	WRP-20-21
	ALS Laboratory Sample ID		L2488602-10	L2495466-15	L2496722-1	L2479665-5	L2485429-9	L2495466-17	L2496722-2	L2485429-10	L2495466-9	L2479665-6
	Sample Date & Time		2020-08-12 13:25	2020-08-22 13:20	2020-08-31 16:10	2020-07-24 10:55	2020-08-04 15:00	2020-08-22 13:35	2020-08-31 16:25	2020-08-04 15:15	2020-08-22 13:55	2020-07-24 11:15
	QA/QC Sample Type		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR										
Conductivity	umhos/cm	3	2600	1240	2430	2520	2590	883	2960	3430	1200	2300
pH	pH units	0.1	6.24	7.16	7.43	6.1	5.85	7	6.38	6.32	6.25	7.19
Total Suspended Solids	mg/L	2	22	162	6	28.7	14.4	216	570	22.6	181	206
Total Dissolved Solids	mg/L	13	2330	1030	2160	2380	2430	692	2830	3130	1010	2030
Turbidity	NTU	0.1	50.3	314	2.79	56.3	67.4	414	45.4	70.6	365	32.5
Ammonia, Total (as N)	mg/L	0.02	3.59	1.65	3.47	3.73	3.36	1.37	5.46	4.32	1.73	4.18
Aluminum (Al)-Total	mg/L	0.005	0.269	9.12	0.058	1.71	0.407	12.6	0.462	2.87	10.6	11.3
Antimony (Sb)-Total	mg/L	0.0001	<0.00020	0.00011	<0.0010	<0.00020	<0.0010	0.00013	<0.0010	<0.0010	0.00012	<0.00020
Arsenic (As)-Total	mg/L	0.0001	<0.00020	0.00156	<0.0010	0.0004	<0.0010	0.00205	<0.0010	<0.0010	0.00173	0.00232
Barium (Ba)-Total	mg/L	0.0002	0.0222	0.0538	0.0245	0.0398	0.026	0.0679	0.0261	0.0532	0.0612	0.0759
Beryllium (Be)-Total	mg/L	0.0001	<0.00020	0.0004	<0.0010	<0.00020	<0.0010	0.00058	<0.0010	<0.0010	0.0005	0.00055
Bismuth (Bi)-Total	mg/L	0.00005	<0.00010	0.000143	<0.00050	<0.00010	<0.00050	0.000201	<0.00050	<0.00050	0.000163	0.00016
Boron (B)-Total	mg/L	0.01	0.046	0.035	<0.10	0.047	<0.10	0.034	<0.10	<0.10	0.037	0.063
Cadmium (Cd)-Total	mg/L	0.00001	0.000084	0.0000477	<0.000050	0.000126	0.000131	0.000045	0.000079	0.000096	0.0000609	0.000093
Calcium (Ca)-Total	mg/L	0.5	83	32.5	75.4	87.9	78	26.3	95.8	122	32.8	87.3
Cesium (Cs)-Total	mg/L	0.00001	0.000045	0.000474	<0.00010	0.000111	<0.00010	0.000653	<0.00010	0.00016	0.000537	0.000609
Chromium (Cr)-Total	mg/L	0.0005	0.00061	0.0275	<0.0050	0.00495	<0.0050	0.0395	<0.0050	0.0097	0.0329	0.0334
Cobalt (Co)-Total	mg/L	0.0001	0.0952	0.0204	0.027	0.0985	0.143	0.0225	0.0993	0.103	0.0436	0.0369
Copper (Cu)-Total	mg/L	0.001	0.0032	0.014	<0.0050	0.0083	<0.0050	0.0187	<0.0050	0.0067	0.0161	0.0209
Iron (Fe)-Total	mg/L	0.05	13.5	16.1	0.47	13.8	25.2	22.7	10.5	22.6	22.9	25.1
Lead (Pb)-Total	mg/L	0.00005	0.00024	0.00462	<0.00050	0.0007	<0.00050	0.00639	<0.00050	0.00078	0.00527	0.00455
Lithium (Li)-Total	mg/L	0.001	0.0206	0.0269	0.017	0.0198	0.021	0.0264	0.022	0.023	0.0261	0.029
Magnesium (Mg)-Total	mg/L	0.05	356	149	347	348	370	103	444	484	148	307
Manganese (Mn)-Total	mg/L	0.0005	7.26	2.06	3.69	7.69	9.28	1.74	8.18	6.77	3.35	3.43
Molybdenum (Mo)-Total	mg/L	0.00005	0.00293	0.00348	0.00612	0.00238	0.00209	0.00276	0.00345	0.00418	0.00293	0.00671
Nickel (Ni)-Total	mg/L	0.0005	0.0936	0.0363	0.0295	0.0987	0.139	0.0445	0.1	0.0967	0.0614	0.053
Phosphorus (P)-Total	mg/L	0.05	<0.10	0.169	<0.50	<0.10	<0.50	0.203	<0.50	<0.50	0.179	0.29
Potassium (K)-Total	mg/L	0.05	9.56	11.6	10.7	11.5	9.05	12	12.1	12.6	12.3	14.8
Rubidium (Rb)-Total	mg/L	0.0002	0.00899	0.0177	0.0083	0.0118	0.0086	0.022	0.0107	0.013	0.0196	0.023
Selenium (Se)-Total	mg/L	0.00005	0.00649	0.00323	0.00703	0.00738	0.00614	0.00242	0.0103	0.0103	0.00335	0.00767
Silicon (Si)-Total	mg/L	0.1	2.28	14.7	2.1	4.39	2.3	19.4	2.7	5.7	16.8	19.3
Silver (Ag)-Total	mg/L	0.00005	<0.000020	0.000042	<0.00050	<0.000020	<0.00050	0.00007	<0.00050	<0.00050	0.000042	0.000089
Sodium (Na)-Total	mg/L	0.5	7.86	3.63	6.69	7.48	6.75	2.98	8.99	10.8	3.88	10.6
Strontium (Sr)-Total	mg/L	0.001	0.137	0.067	0.144	0.128	0.123	0.0517	0.161	0.177	0.0607	0.164
Sulfur (S)-Total	mg/L	0.5	544	216	469	554	567	144	622	696	220	448
Tellurium (Te)-Total	mg/L	0.0002	<0.00040	<0.00020	<0.0020	<0.00040	<0.0020	<0.00020	<0.0020	<0.0020	<0.00020	<0.00040
Thallium (Tl)-Total	mg/L	0.00001	0.00008	0.000114	<0.00010	0.000083	<0.00010	0.000136	<0.00010	0.00011	0.000123	0.000148
Thorium (Th)-Total	mg/L	0.0001	0.00025	0.00272	<0.0010	0.00049	<0.0010	0.00375	<0.0010	<0.0010	0.0031	0.00398
Tin (Sn)-Total	mg/L	0.0001	<0.00020	0.00019	<0.0010	<0.00020	<0.0010	0.00027	<0.0010	<0.0010	0.00021	0.00031
Titanium (Ti)-Total	mg/L	0.0003	0.0106	0.289	<0.0030	0.0564	0.008	0.396	0.0103	0.0586	0.328	0.359
Tungsten (W)-Total	mg/L	0.0001	0.00095	0.00022	<0.0010	<0.00020	<0.0010	0.00023	<0.0010	<0.0010	0.00025	<0.00020
Uranium (U)-Total	mg/L	0.00001	0.00139	0.00228	0.00408	0.00196	0.00142	0.00247	0.00165	0.00285	0.00222	0.00554
Vanadium (V)-Total	mg/L	0.0005	<0.0010	0.0119	<0.0050	0.0022	<0.0050	0.0161	<0.0050	<0.0050	<0.015	0.0165
Zinc (Zn)-Total	mg/L	0.003	0.0155	0.0188	<0.030	0.0124	<0.030	0.0257	<0.030	<0.030	0.0235	0.0242
Zirconium (Zr)-Total	mg/L	0.0003	0.00046	0.00361	<0.0020	0.00103	<0.0020	0.00365	<0.0020	<0.0020	0.00439	0.00716

Table E.6.7: MS-08 WRP Interior Drainage Sampling Results

Analyte	Sample ID		WRP-20-22	WRP-20-2201	WRP-20-22	WRP-20-23	WRP-20-23	WRP-20-24	WRP-20-24	WRP-20-25	WRP-20-25
	ALS Laboratory Sample ID		L2479665-7	L2479665-8	L2495466-18	L2479665-9	L2485429-11	L2479665-10	L2495466-10	L2479665-11	L2495466-11
	Sample Date & Time		2020-07-24 11:25	2020-07-24 11:25	2020-08-22 14:55	2020-07-24 12:05	2020-08-04 15:25	2020-07-24 12:30	2020-08-22 15:15	2020-07-24 12:40	2020-08-22 15:30
	QA/QC Sample Type		N/A	Field Duplicate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Units	LOR									
Conductivity	umhos/cm	3	2390	2380	2180	1700	1580	1820	1340	720	375
pH	pH units	0.1	7.1	7.12	7.39	7.22	6.99	7.48	7.63	7.57	8.03
Total Suspended Solids	mg/L	2	388	232	22.8	12	35.2	17.2	25.3	471	9
Total Dissolved Solids	mg/L	13	2120	2180	2010	1370	1220	1270	1030	466	236
Turbidity	NTU	0.1	45.1	26.7	38	1.84	11.3	0.62	4.8	43.3	12.7
Ammonia, Total (as N)	mg/L	0.02	3.7	3.72	3.69	2.07	1.91	8.97	6.53	3.87	0.391
Aluminum (Al)-Total	mg/L	0.005	10.6	7.45	1.49	0.962	0.75	0.401	0.359	12.2	0.29
Antimony (Sb)-Total	mg/L	0.0001	<0.00020	<0.00020	<0.00010	<0.00010	<0.0010	<0.00010	0.00013	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.0001	0.00161	0.00112	0.00071	0.00038	<0.0010	0.00016	0.00016	0.00197	0.00014
Barium (Ba)-Total	mg/L	0.0002	0.0733	0.0653	0.0299	0.0443	0.0379	0.0673	0.0347	0.0755	0.0112
Beryllium (Be)-Total	mg/L	0.0001	0.0004	0.0003	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	0.00054	<0.00010
Bismuth (Bi)-Total	mg/L	0.00005	0.00011	0.0001	<0.000050	<0.000050	<0.00050	<0.000050	<0.000050	0.000195	<0.000050
Boron (B)-Total	mg/L	0.01	0.056	0.053	0.058	0.048	<0.10	0.047	0.061	0.03	<0.010
Cadmium (Cd)-Total	mg/L	0.00001	0.000082	0.000184	0.0000264	0.0000252	<0.000050	<0.000020	<0.000030	0.0000277	<0.000050
Calcium (Ca)-Total	mg/L	0.5	97.7	97.1	81.2	70	60.6	92	66	35.8	26.1
Cesium (Cs)-Total	mg/L	0.00001	0.000505	0.000386	0.000094	0.000075	<0.00010	0.000069	0.000056	0.000684	0.000022
Chromium (Cr)-Total	mg/L	0.0005	0.038	0.0267	0.0042	0.00266	<0.0050	0.00096	0.00083	0.0341	0.00096
Cobalt (Co)-Total	mg/L	0.0001	0.0337	0.0297	0.0137	0.0167	0.0164	0.0219	0.0153	0.0172	0.00101
Copper (Cu)-Total	mg/L	0.001	0.0175	0.0134	0.00347	0.00273	<0.0050	0.00117	0.00103	0.0161	0.00099
Iron (Fe)-Total	mg/L	0.05	20.2	14.9	2.59	2.63	2.78	0.973	0.761	19.3	0.41
Lead (Pb)-Total	mg/L	0.00005	0.00214	0.00164	0.000325	0.00033	0.00057	0.000213	0.000306	0.00515	0.000139
Lithium (Li)-Total	mg/L	0.001	0.0268	0.0222	0.0138	0.0147	0.012	0.0138	0.0125	0.0219	0.0034
Magnesium (Mg)-Total	mg/L	0.05	344	310	287	178	181	142	120	56.5	28.4
Manganese (Mn)-Total	mg/L	0.0005	3.38	3.14	0.945	0.68	0.542	0.357	0.42	0.349	0.0141
Molybdenum (Mo)-Total	mg/L	0.00005	0.00642	0.00601	0.0109	0.00313	0.00248	0.0185	0.032	0.0074	0.00375
Nickel (Ni)-Total	mg/L	0.0005	0.0492	0.04	0.00665	0.00591	0.0057	0.00481	0.00491	0.0273	0.00085
Phosphorus (P)-Total	mg/L	0.05	0.23	0.13	<0.050	<0.050	<0.50	<0.050	0.051	0.315	<0.050
Potassium (K)-Total	mg/L	0.05	14.1	12.7	13.5	6.5	5.02	16.6	17.8	9.97	3.74
Rubidium (Rb)-Total	mg/L	0.0002	0.019	0.0167	0.0106	0.00854	0.0068	0.0117	0.00931	0.0231	0.00319
Selenium (Se)-Total	mg/L	0.00005	0.00773	0.00742	0.0084	0.00495	0.00431	0.00338	0.0034	0.00162	0.000396
Silicon (Si)-Total	mg/L	0.1	17.5	13	4.01	3.03	2.6	2.24	2.72	17.5	1.28
Silver (Ag)-Total	mg/L	0.00005	0.000061	0.00004	<0.000010	<0.000010	<0.00050	0.000011	<0.000010	0.000042	<0.000010
Sodium (Na)-Total	mg/L	0.5	10.7	9.9	11.1	5.83	4.81	12.8	11.4	4.73	1.16
Strontium (Sr)-Total	mg/L	0.001	0.16	0.148	0.172	0.148	0.144	0.245	0.192	0.0964	0.0272
Sulfur (S)-Total	mg/L	0.5	505	481	440	214	226	104	137	40.5	29.2
Tellurium (Te)-Total	mg/L	0.0002	<0.00040	<0.00040	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Total	mg/L	0.00001	0.000118	0.0001	0.000051	0.00005	<0.00010	0.00004	0.000029	0.000133	<0.000010
Thorium (Th)-Total	mg/L	0.0001	0.0017	0.00141	0.00023	0.00032	<0.0010	0.00012	0.00013	0.00383	<0.00010
Tin (Sn)-Total	mg/L	0.0001	0.00023	<0.00020	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	0.00025	<0.00010
Titanium (Ti)-Total	mg/L	0.0003	0.296	0.209	0.0447	0.0428	0.0393	0.0179	0.0174	0.446	0.008
Tungsten (W)-Total	mg/L	0.0001	0.00024	<0.00020	<0.00010	<0.00010	<0.0010	<0.00010	0.00014	0.00023	<0.00010
Uranium (U)-Total	mg/L	0.00001	0.00366	0.00312	0.0035	0.000776	0.00052	0.0205	0.0238	0.0128	0.00226
Vanadium (V)-Total	mg/L	0.0005	0.015	0.0106	0.00213	0.00163	<0.0050	0.00073	0.00061	0.0153	0.00053
Zinc (Zn)-Total	mg/L	0.003	0.0207	0.0156	<0.0030	0.0043	<0.030	<0.0030	<0.0030	0.0232	<0.0030
Zirconium (Zr)-Total	mg/L	0.0003	0.00265	0.00288	0.00085	0.00046	<0.0020	<0.00020	0.00037	0.00334	0.00022