

APPENDIX E.6

Waste Rock Geochemistry Analytical Sampling Results

Table E.6.1: Deposit No.1 Waste Rock - Geochemistry Summary Statistics Analytical Sampling Results - 2019

PAG	Fizz Rating	NP	MPA	NNP	Ratio (NP:MNP)	C (%)*	S (%)*
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	65	65	65	65	65	426	529
MIN	0.000	-4.00	0.00	-81.00	-0.240	0.010	0.200
MAX	1.000	18.00	89.10	9.00	2.400	0.950	8.130
MEAN	0.116	1.00	2.45	-1.44	0.079	0.077	0.702

NPAG	Fizz Rating	NP	MPA	NNP	Ratio (NP:MNP)	C (%)*	S (%)*
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	-	-	-	-	-	1116	1391
MIN	-	-	-	-	-	0.004	0.003
MAX	-	-	-	-	-	2.420	0.194
MEAN	-	-	-	-	-	0.050	0.031

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_007	1501	-	-	-	-	-	-	8.13	563416.19	7914617.3	589.36	9.36	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_039	1501	-	-	-	-	-	0.01	6.81	563295.08	7914606.4	602.27	12.27	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_037	1004	-	-	-	-	-	0.01	6.09	563262.26	7914571.7	600.84	10.84	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1701	-	-	-	-	-	0.01	4	563423.53	7914622.9	589.49	9.49	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1605	-	-	-	-	-	0.12	3.98	563358.09	7914608.5	600.47	10.47	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1801	-	-	-	-	-	0.01	3.94	563426.67	7914626.3	589.33	9.33	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_039	1503	-	-	-	-	-	0.01	3.61	563299.97	7914612.2	601.99	11.99	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1503	-	-	-	-	-	0.01	3.56	563454.09	7914710.9	600.03	10.03	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1601	-	-	-	-	-	-	3.42	563419.46	7914620.3	589.58	9.58	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_019	1101	-	-	-	-	-	0.05	3.38	563264.41	7914512.9	600.01	10.01	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1105	-	-	-	-	-	0.08	2.99	563346.37	7914589	600.61	10.61	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1705	-	-	-	-	-	0.04	2.86	563397.98	7914651	600.44	10.44	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1607	-	-	-	-	-	-	2.71	563347.14	7914598.9	590.36	10.36	ORE:WASTE	PAG
2019	Pit	590	N1_590_051	1703	-	-	-	-	-	0.01	2.56	563446.4	7914730.1	600.1	10.1	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1809	-	-	-	-	-	0.05	2.48	563402.92	7914653.8	590.01	10.01	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_041	300	-	-	-	-	-	0.01	2.44	563340.74	7914660.5	600.29	10.29	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	226	-	-	-	-	-	0.01	2.42	563428.01	7914697.1	590.25	10.25	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2100	-	-	-	-	-	0.01	2.31	563447.74	7914748.4	600.22	10.22	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	1901	-	-	-	-	-	0.01	2	563445.96	7914740.5	600.08	10.08	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	906	-	-	-	-	-	0.01	1.99	563267.73	7914511.7	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1802	-	-	-	-	-	0.01	1.98	563445.38	7914735	600.23	10.23	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2402	-	-	-	-	-	-	1.965	563462.26	7914752.1	600.52	10.52	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	2207	-	-	-	-	-	0.07	1.95	563267.3	7914513.4	589.62	9.62	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	200	-	-	-	-	-	0.06	1.94	563301.47	7914606.3	590.08	10.08	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1000	-	-	-	-	-	0.01	1.9	563430.67	7914701.5	600.48	10.48	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	2502	-	-	-	-	-	0.01	1.87	563463.9	7914754.7	600.65	10.65	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1707	-	-	-	-	-	-	1.835	563349.54	7914602.3	589.94	9.94	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	2307	-	-	-	-	-	0.01	1.8	563258.53	7914486.7	579.71	9.71	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1903	-	-	-	-	-	-	1.8	563451.07	7914735.7	599.68	9.68	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1303	-	-	-	-	-	-	1.79	563345.4	7914601.5	600.63	10.63	ORE:WASTE	PAG
2019	Pit	570	N1_570_001	1517	-	-	-	-	-	0.01	1.73	563391.32	7914644.8	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1804	-	-	-	-	-	0.03	1.725	563397.43	7914657	600.6	10.6	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	318	-	-	-	-	-	0.01	1.72	563424.92	7914696	590.25	10.25	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	2105	-	-	-	-	-	0.06	1.72	563371.13	7914625.9	600.52	10.52	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1902	-	-	-	-	-	-	1.715	563449.18	7914737.4	599.92	9.92	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2203	-	-	-	-	-	0.01	1.67	563460.95	7914743.3	600.27	10.27	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_019	1000	-	-	-	-	-	0.04	1.67	563265.47	7914507	600.17	10.17	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1603	-	-	-	-	-	0.01	1.66	563443.11	7914727.4	600.15	10.15	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_039	1412	-	-	-	-	-	0.01	1.62	563332.23	7914645.4	600.72	10.72	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	1007	-	-	-	-	-	0.01	1.61	563268.75	7914505.2	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	304	-	-	-	-	-	-	1.59	563463.08	7914699	599.88	9.88	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1205	-	-	-	-	-	0.13	1.56	563288.02	7914511.6	600.14	10.14	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1803	-	-	-	-	-	0.01	1.53	563448.86	7914732.6	600.02	10.02	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1400	-	-	-	-	-	0.04	1.515	563441.27	7914714.9	600.19	10.19	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2000	-	-	-	-	-	0.01	1.49	563445.15	7914746.4	600.24	10.24	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_041	202	-	-	-	-	-	0.01	1.485	563341.99	7914664.8	600.27	10.27	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2611	-	-	-	-	-	0.03	1.48	563423.41	7914683.4	590.75	10.75	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1607	-	-	-	-	-	0.07	1.48	563253.24	7914484.6	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	1807	-	-	-	-	-	0.05	1.47	563258.02	7914502.1	589.78	9.78	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1705	-	-	-	-	-	0.07	1.46	563360.61	7914612.1	600.72	10.72	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1403	-	-	-	-	-	-	1.445	563437.97	7914720.9	599.88	9.88	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2111	-	-	-	-	-	0.01	1.435	563406.9	7914668.7	590.4	10.4	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	2303	-	-	-	-	-	-	1.385	563464.1	7914745.9	600.45	10.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1806	-	-	-	-	-	0.01	1.35	563360.76	7914606.5	580	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	2004	-	-	-	-	-	0.01	1.315	563404.65	7914662.1	600.57	10.57	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1905	-	-	-	-	-	0.01	1.315	563404.88	7914656.9	600.43	10.43	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	2005	-	-	-	-	-	-	1.31	563257.09	7914512.4	589.91	9.91	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N1_590_027	1606	-	-	-	-	-	0.07	1.305	563361.1	7914606.1	600.31	10.31	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	202	-	-	-	-	-	0.45	1.3	563218.59	7914505.5	591.12	11.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1907	-	-	-	-	-	0.12	1.27	563269.67	7914500.4	579.48	9.48	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1505	-	-	-	-	-	-	1.255	563274.29	7914520.3	579.83	9.83	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2508	-	-	-	-	-	0.02	1.25	563373.05	7914623	590.03	10.03	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1604	-	-	-	-	-	-	1.25	563462	7914710	599.88	9.88	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1308	-	-	-	-	-	0.01	1.24	563390.06	7914636	589.87	9.87	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1303	-	-	-	-	-	0.01	1.24	563403.88	7914618.7	589.78	9.78	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	2102	-	-	-	-	-	0.01	1.18	563455.41	7914744	600.19	10.19	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_003	1814	-	-	-	-	-	0.09	1.16	563341.75	7914582.2	580.61	10.61	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1805	-	-	-	-	-	0.04	1.14	563363.4	7914615.4	600.69	10.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1618	-	-	-	-	-	0.04	1.135	563397.33	7914643.9	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	321	-	-	-	-	-	0.01	1.105	563433.95	7914684.9	590.41	10.41	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2211	-	-	-	-	-	0.07	1.075	563410.19	7914671.9	590.47	10.47	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1907	-	-	-	-	-	0.08	1.075	563372.2	7914613.5	600.65	10.65	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1708	-	-	-	-	-	0.03	1.06	563402.69	7914647.5	590.15	10.15	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	2104	-	-	-	-	-	-	1.015	563460.4	7914739.6	600.12	10.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_011	110	-	-	-	-	-	0.04	1	563379.36	7914570.8	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2302	-	-	-	-	-	0.01	1	563459.62	7914748.3	600.24	10.24	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	2005	-	-	-	-	-	0.05	0.989	563368.11	7914622.5	600.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1502	-	-	-	-	-	0.01	0.981	563424.48	7914687.3	600.6	10.6	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	320	-	-	-	-	-	0.02	0.977	563430.76	7914688.7	590.43	10.43	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_005	2411	-	-	-	-	-	0.05	0.97	563381.65	7914610.1	590.4	10.4	ORE/WASTE: MAGNETITE/BIF	PAG
2019	Pit	580	N1_580_007	1605	-	-	-	-	-	-	0.969	563408.24	7914634	589.62	9.62	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_089	1314	-	-	-	-	-	0.01	0.969	563356.12	7914880.9	667.21	7.21	WASTE	PAG
2019	Pit	580	N1_660_097	2207	-	-	-	-	-	-	0.961	563270.89	7914756.9	667	87	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2711	-	-	-	-	-	0.03	0.949	563426.83	7914685.8	590.54	10.54	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1200	-	-	-	-	-	0.02	0.945	563435.13	7914708.8	600.27	10.27	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	1508	-	-	-	-	-	0.06	0.94	563259.2	7914485.4	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1202	-	-	-	-	-	0.12	0.94	563443.1	7914702.5	600.3	10.3	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2010	-	-	-	-	-	0.03	0.925	563406.68	7914662.6	590.23	10.23	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1602	-	-	-	-	-	0.01	0.921	563427.31	7914690.8	600.54	10.54	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_019	304	-	-	-	-	-	0.47	0.92	563241.24	7914549	600.63	10.63	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2110	-	-	-	-	-	0.01	0.905	563410.04	7914665.3	590.5	10.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1606	-	-	-	-	-	0.01	0.89	563275.03	7914514.2	580.13	10.13	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2407	-	-	-	-	-	0.02	0.889	563428.91	7914664	590.17	10.17	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1810	-	-	-	-	-	0.05	0.885	563374.42	7914617.2	580	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	322	-	-	-	-	-	0.01	0.881	563436.84	7914682	590.45	10.45	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2411	-	-	-	-	-	0.04	0.877	563416.57	7914677.5	590.75	10.75	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1205	-	-	-	-	-	0.01	0.873	563427.66	7914668.6	600.25	10.25	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1111	-	-	-	-	-	0.11	0.861	563404.65	7914614.3	599.95	9.95	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_001	1200	-	-	-	-	-	0.06	0.853	563223.84	7914501.4	591.26	11.26	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2401	-	-	-	-	-	-	0.853	563461.91	7914756.9	600.48	10.48	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_019	1701	-	-	-	-	-	0.53	0.85	563280.29	7914531.8	599.93	9.93	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1301	-	-	-	-	-	0.11	0.849	563372.16	7914648.7	600.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1002	-	-	-	-	-	0.01	0.841	563408.9	7914672.8	600.65	10.65	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_019	1200	-	-	-	-	-	0.07	0.84	563270.58	7914513.2	600.02	10.02	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	2206	-	-	-	-	-	0.01	0.83	563295.02	7914493.5	579.58	9.58	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1319	-	-	-	-	-	-	0.821	563394.93	7914657.3	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1009	-	-	-	-	-	0.01	0.82	563276.64	7914498.9	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1504	-	-	-	-	-	0.01	0.809	563431.82	7914681.6	600.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1311	-	-	-	-	-	0.04	0.8	563380.46	7914646.5	590.22	10.22	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1506	-	-	-	-	-	0.09	0.795	563360.45	7914601.9	600.17	10.17	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_039	1501	-	-	-	-	-	-	0.787	563295.08	7914606.4	602.27	12.27	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_037	1002	-	-	-	-	-	0.12	0.783	563257.44	7914563	600.37	10.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1503	-	-	-	-	-	0.12	0.765	563428.19	7914684.3	600.33	10.33	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2509	-	-	-	-	-	0.05	0.76	563377.17	7914620	590.1	10.1	WASTE: BIF	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_005	2608	-	-	-	-	-	0.01	0.76	563376.42	7914626	590.11	10.11	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1307	-	-	-	-	-	0.01	0.759	563436.86	7914666.8	600.18	10.18	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1503	-	-	-	-	-	0.06	0.757	563411.14	7914624.3	589.29	9.29	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1909	-	-	-	-	-	0.01	0.75	563275.95	7914495.3	579.8	9.8	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2101	-	-	-	-	-	0.01	0.75	563450.81	7914745.6	600.24	10.24	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1107	-	-	-	-	-	-	0.745	563389.79	7914624.6	600.11	10.11	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1701	-	-	-	-	-	-	0.739	563426.49	7914696.6	600.53	10.53	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2002	-	-	-	-	-	-	0.735	563454.64	7914741.7	599.77	9.77	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	2105	-	-	-	-	-	0.02	0.733	563408.2	7914665.1	600.58	10.58	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2512	-	-	-	-	-	0.08	0.731	563416.91	7914683.7	590.35	10.35	WASTE	PAG
2019	Pit	580	N1_580_009	2508	-	-	-	-	-	0.01	0.727	563428.76	7914669.6	590.35	10.35	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	229	-	-	-	-	-	0.01	0.723	563435.31	7914688.1	590.48	10.48	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1505	-	-	-	-	-	0.07	0.711	563357.04	7914604.4	600.33	10.33	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1709	-	-	-	-	-	0.01	0.71	563282.2	7914502.2	580.59	10.59	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1902	-	-	-	-	-	0.11	0.709	563427.27	7914632.1	589.38	9.38	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1005	-	-	-	-	-	0.09	0.701	563341.55	7914589.2	600.35	10.35	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_027	3333	-	-	-	-	-	0.01	0.7	563399.18	7914596.8	599.73	9.73	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2608	-	-	-	-	-	-	0.695	563432.09	7914672.5	590.22	10.22	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1702	-	-	-	-	-	0.01	0.695	563430.17	7914693.6	600.47	10.47	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1104	-	-	-	-	-	0.06	0.687	563342.67	7914592.1	600.78	10.78	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_009	1910	-	-	-	-	-	-	0.683	563208.67	7914489.3	600.48	10.48	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_007	2001	-	-	-	-	-	0.01	0.681	563433.29	7914631.4	589.26	9.26	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1700	-	-	-	-	-	0.01	0.673	563225.53	7914501.6	588.5	8.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1908	-	-	-	-	-	0.05	0.671	563375.33	7914611.5	600.46	10.46	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	1602	-	-	-	-	-	-	0.661	563440.68	7914730.1	600.11	10.11	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	303	-	-	-	-	-	0.03	0.659	563225.64	7914509.2	591.19	11.19	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1303	-	-	-	-	-	0.05	0.651	563449.72	7914702.9	600.4	10.4	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	2406	-	-	-	-	-	0.82	0.65	563252.27	7914486.2	579.77	9.77	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1302	-	-	-	-	-	0.11	0.65	563298.82	7914519.7	600.08	10.08	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	230	-	-	-	-	-	0.03	0.649	563437.89	7914685.4	590.37	10.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1401	-	-	-	-	-	0.44	0.64	563413.34	7914614.5	589.27	9.27	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1308	-	-	-	-	-	0.01	0.635	563440.65	7914663.7	600.2	10.2	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1305	-	-	-	-	-	0.09	0.631	563387.52	7914637.7	600.28	10.28	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2408	-	-	-	-	-	0.01	0.63	563258.71	7914480.3	580.04	10.04	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	209	-	-	-	-	-	0.06	0.63	563235.42	7914525.8	590.26	10.26	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1214	-	-	-	-	-	0.04	0.63	563378.34	7914568.6	600.09	10.09	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	570	N1_570_001	1711	-	-	-	-	-	0.01	0.623	563375.57	7914622.6	580	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	2108	-	-	-	-	-	0.02	0.623	563380.35	7914618.5	600.68	10.68	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	215	-	-	-	-	-	0.01	0.62	563230.2	7914513.6	580.12	10.12	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2804	-	-	-	-	-	0.08	0.615	563334.84	7914580.6	600.32	10.32	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	580	N1_580_007	1802	-	-	-	-	-	0.29	0.613	563423.91	7914629.7	589.57	9.57	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1408	-	-	-	-	-	0.07	0.613	563364.31	7914592.8	600.37	10.37	ORE:WASTE	PAG
2019	Pit	580	N1_580_007	1909	-	-	-	-	-	0.04	0.611	563406.15	7914656.6	590.22	10.22	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1806	-	-	-	-	-	0.01	0.61	563268.94	7914507.5	579.6	9.6	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	307	-	-	-	-	-	0.01	0.61	563435.47	7914741.5	600	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1402	-	-	-	-	-	0.01	0.607	563421.89	7914684	600.58	10.58	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_049	1203	-	-	-	-	-	0.04	0.607	563446.8	7914699.7	600.48	10.48	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_009	3003	-	-	-	-	-	-	0.605	563190.73	7914452.3	600.65	10.65	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_015	2103	-	-	-	-	-	0.05	0.6	563283.11	7914522	583.69	3.69	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	1808	-	-	-	-	-	0.01	0.59	563275.93	7914501.4	579.98	9.98	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	1001	-	-	-	-	-	0.14	0.587	563287.78	7914535.7	599.94	9.94	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1713	-	-	-	-	-	0.06	0.583	563382.51	7914627.7	580	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2412	-	-	-	-	-	-	0.577	563413.5	7914680.9	590.94	10.94	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1810	-	-	-	-	-	-	0.571	563399.82	7914657.2	590.17	10.17	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_049	2004	-	-	-	-	-	0.01	0.57	563469.95	7914724	599.98	9.98	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_023	1012	-	-	-	-	-	0.08	0.57	563264.25	7914492.1	600.19	10.19	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1201	-	-	-	-	-	0.09	0.565	563439.17	7914705.7	600.33	10.33	WASTE: CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_007	1404	-	-	-	-	-	-	0.563	563404.78	7914625.1	589.48	9.48	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1706	-	-	-	-	-	0.02	0.563	563445	7914681.8	600.21	10.21	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1304	-	-	-	-	-	0.05	0.559	563348.75	7914599.6	600.32	10.32	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_051	2503	-	-	-	-	-	-	0.557	563469.71	7914751.5	600.58	10.58	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1416	-	-	-	-	-	-	0.555	563385.31	7914645.7	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1004	-	-	-	-	-	0.09	0.553	563442.05	7914692.5	600.35	10.35	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_041	1402	-	-	-	-	-	-	0.551	563347.28	7914660	600.18	10.18	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_017	1208	-	-	-	-	-	0.07	0.55	563275.22	7914474	590.1	10.1	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	300	-	-	-	-	-	-	0.549	563242.46	7914529.7	590	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1509	-	-	-	-	-	0.04	0.549	563407.88	7914633.3	600.45	10.45	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_031	1505	-	-	-	-	-	-	0.547	563435.33	7914678.9	600.1	10.1	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_017	1008	-	-	-	-	-	0.13	0.54	563262.24	7914472.6	589.79	9.79	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	1100	-	-	-	-	-	0.03	0.54	563221.56	7914498.5	591.58	11.58	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_007	1205	-	-	-	-	-	-	0.531	563395.19	7914622.5	590.19	10.19	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	908	-	-	-	-	-	0.03	0.531	563275.78	7914505.1	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_097	2404	-	-	-	-	-	0.01	0.53	563265.71	7914739.5	667	7	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_003	1008	-	-	-	-	-	0.01	0.53	563287.13	7914522	589.6	9.6	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_019	1301	-	-	-	-	-	0.2	0.53	563269.96	7914519.4	599.86	9.86	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2106	-	-	-	-	-	-	0.529	563421.91	7914651.4	589.97	9.97	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1101	-	-	-	-	-	0.18	0.527	563436.44	7914702.4	600.27	10.27	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_009	3302	-	-	-	-	-	-	0.523	563182.19	7914445	600.34	10.34	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_011	105	-	-	-	-	-	-	0.521	563366.64	7914555.8	588.5	8.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1807	-	-	-	-	-	0.04	0.521	563369.79	7914610.5	600.42	10.42	ORE:WASTE	PAG
2019	Pit	570	N1_570_005	2006	-	-	-	-	-	0.31	0.52	563263.13	7914499.5	579.56	9.56	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_021	1002	-	-	-	-	-	0.09	0.52	563149.94	7914385.3	599.89	9.89	WASTE: LIMONITE	PAG
2019	Pit	580	N1_580_007	1711	-	-	-	-	-	-	0.517	563394.15	7914658.3	590.31	10.31	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	232	-	-	-	-	-	-	0.515	563442.38	7914680	590.38	10.38	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1603	-	-	-	-	-	0.06	0.515	563430.94	7914687.8	600.37	10.37	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2400	-	-	-	-	-	-	0.511	563231.35	7914503	579.53	9.53	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	210	-	-	-	-	-	-	0.511	563435.66	7914746.3	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1101	-	-	-	-	-	0.11	0.507	563410.42	7914676.9	600.65	10.65	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1611	-	-	-	-	-	0.11	0.501	563417.65	7914631.7	600.43	10.43	ORE:WASTE	PAG
2019	Pit	590	N1_590_031	1407	-	-	-	-	-	0.01	0.499	563439.21	7914670.4	600.17	10.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	2306	-	-	-	-	-	0.05	0.497	563230.7	7914464.2	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	212	-	-	-	-	-	-	0.497	563237.51	7914522.2	580.12	10.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1107	-	-	-	-	-	0.01	0.497	563432.44	7914659.8	600.27	10.27	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2710	-	-	-	-	-	0.03	0.495	563429.55	7914682.4	590.59	10.59	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1104	-	-	-	-	-	0.11	0.495	563448.11	7914693	600.5	10.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	1306	-	-	-	-	-	0.02	0.49	563257.79	7914497.6	588.5	8.5	WASTE	PAG
2019	Pit	580	N1_580_017	1624	-	-	-	-	-	0.01	0.49	563341.86	7914523.2	589.68	9.68	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_019	1600	-	-	-	-	-	0.95	0.49	563280.83	7914526	599.89	9.89	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1516	-	-	-	-	-	0.16	0.49	563270.14	7914466.4	599.92	9.92	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1407	-	-	-	-	-	-	0.489	563342.15	7914592.7	590.56	10.56	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1605	-	-	-	-	-	0.1	0.489	563395.36	7914647.6	600.54	10.54	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1513	-	-	-	-	-	0.05	0.487	563422.19	7914622.9	600.47	10.47	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1802	-	-	-	-	-	-	0.485	563346.88	7914596.3	580	10	ORE:WASTE	PAG
2019	Pit	590	N1_590_029	2109	-	-	-	-	-	-	0.483	563422.79	7914654.4	600.57	10.57	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1715	-	-	-	-	-	0.03	0.481	563389.45	7914632.8	580	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_001	2007	-	-	-	-	-	0.06	0.48	563262.68	7914507.6	589.65	9.65	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1009	-	-	-	-	-	-	0.479	563388.5	7914621.1	600.09	10.09	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1100	-	-	-	-	-	0.04	0.475	563432.52	7914705.4	600.17	10.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1006	-	-	-	-	-	0.08	0.47	563447.81	7914687.8	600.4	10.4	ORE:WASTE	PAG
2019	Pit	580	N1_580_011	120	-	-	-	-	-	0.07	0.469	563405.65	7914602	588.5	8.5	WASTE	PAG
2019	Pit	580	N1_580_007	2004	-	-	-	-	-	0.03	0.465	563424.47	7914641.8	589.84	9.84	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_660_097	2210	-	-	-	-	-	-	0.465	563281.53	7914768.1	667	87	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2511	-	-	-	-	-	0.05	0.465	563419.87	7914680.2	590.64	10.64	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1304	-	-	-	-	-	0.01	0.465	563426.07	7914675.1	600.25	10.25	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	600	N1_600_053	1414	-	-	-	-	-	-	0.465	563432.8	7914655.2	609.48	9.48	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1707	-	-	-	-	-	0.05	0.463	563366.98	7914607.3	600.41	10.41	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	3700	-	-	-	-	-	0.06	0.46	563282.17	7914573.1	589.41	9.41	ORE:WASTE	PAG
2019	Pit	580	N1_580_013	1407	-	-	-	-	-	0.03	0.45	563258.66	7914491.3	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2109	-	-	-	-	-	0.01	0.45	563270.76	7914488	579.8	9.8	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_081	1311	-	-	-	-	-	0.13	0.45	563102.07	7914294	610.74	10.74	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2402	-	-	-	-	-	-	0.449	563323.18	7914579	600.31	10.31	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1403	-	-	-	-	-	-	0.444	563407.61	7914621.6	589.4	9.4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1006	-	-	-	-	-	0.06	0.442	563345.13	7914587.4	600.22	10.22	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_049	1003	-	-	-	-	-	0.09	0.44	563439.23	7914694.6	600.43	10.43	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1203	-	-	-	-	-	-	0.436	563342.37	7914598.1	600.58	10.58	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	209	-	-	-	-	-	-	0.434	563433.34	7914743.8	600	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1204	-	-	-	-	-	0.05	0.432	563346.51	7914595.3	600.43	10.43	WASTE: LIMONITE	PAG
2019	Pit	580	N1_580_001	2407	-	-	-	-	-	0.1	0.43	563272.06	7914519.2	589.44	9.44	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1004	-	-	-	-	-	0.12	0.43	563284.02	7914519.8	600.18	10.18	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	1812	-	-	-	-	-	-	0.428	563343.17	7914530.1	603.44	13.44	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_007	2002	-	-	-	-	-	0.01	0.424	563430.27	7914635.1	589.62	9.62	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1317	-	-	-	-	-	0.01	0.424	563464.64	7914640.5	600.69	10.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1511	-	-	-	-	-	0.32	0.424	563415.11	7914627.6	600.42	10.42	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_049	1204	-	-	-	-	-	0.02	0.422	563450.58	7914696.5	600.32	10.32	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	2107	-	-	-	-	-	0.01	0.42	563264.14	7914493.7	579.56	9.56	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1612	-	-	-	-	-	0.04	0.42	563421.13	7914629	600.49	10.49	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_081	1310	-	-	-	-	-	0.1	0.42	563104.69	7914297.6	610.57	10.57	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	PAG
2019	Pit	590	N1_590_023	1119	-	-	-	-	-	0.13	0.42	563249.95	7914465.3	600.11	10.11	WASTE: LIMONITE	PAG
2019	Pit	590	N1_590_027	1305	-	-	-	-	-	0.07	0.418	563351.47	7914597.1	600.22	10.22	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	2006	-	-	-	-	-	0.04	0.416	563371.19	7914620.2	600.69	10.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1803	-	-	-	-	-	0.04	0.414	563420.78	7914632.3	589.62	9.62	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2612	-	-	-	-	-	-	0.412	563420.1	7914686.5	590.5	10.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_003	1915	-	-	-	-	-	0.01	0.412	563346.55	7914583.1	580.71	10.71	WASTE	PAG
2019	Pit	600	N1_600_053	1612	-	-	-	-	-	-	0.412	563419.84	7914653.7	609.31	9.31	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_049	1105	-	-	-	-	-	0.12	0.41	563452.02	7914689.8	600.27	10.27	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1809	-	-	-	-	-	0.04	0.41	563376.34	7914606.1	600.19	10.19	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_023	1105	-	-	-	-	-	0.14	0.41	563284.84	7914514	600.08	10.08	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1604	-	-	-	-	-	-	0.406	563411.59	7914631.5	589.78	9.78	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_037	1206	-	-	-	-	-	-	0.406	563273.8	7914575	601.12	11.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1514	-	-	-	-	-	-	0.406	563429.63	7914658.7	609.45	9.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_015	1712	-	-	-	-	-	-	0.402	563267.41	7914516.8	584.01	4.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_011	1010	-	-	-	-	-	-	0.402	563179.61	7914439.8	600.28	10.28	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_007	1208	-	-	-	-	-	0.08	0.4	563385.98	7914633.1	590	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1812	-	-	-	-	-	0.05	0.4	563381.58	7914621.7	580	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_003	1612	-	-	-	-	-	0.53	0.4	563330.19	7914581.7	580.39	10.39	ORE:WASTE	PAG
2019	Pit	570	N1_570_003	1812	-	-	-	-	-	0.34	0.4	563336.98	7914576.1	580.63	10.63	ORE:WASTE	PAG
2019	Pit	570	N1_570_003	2115	-	-	-	-	-	0.03	0.4	563351.65	7914578.5	580.84	10.84	WASTE	PAG
2019	Pit	580	N1_580_001	2603	-	-	-	-	-	0.02	0.4	563265.93	7914534	589.84	9.84	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1806	-	-	-	-	-	0.06	0.4	563366.62	7914613.4	600.58	10.58	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1011	-	-	-	-	-	0.12	0.4	563266.5	7914495.4	600.25	10.25	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	1201	-	-	-	-	-	0.13	0.399	563291.32	7914542.7	600.34	10.34	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1808	-	-	-	-	-	0.04	0.394	563372.98	7914608.5	600.49	10.49	ORE:WASTE	PAG
2019	Pit	580	N1_580_017	1020	-	-	-	-	-	0.01	0.39	563291.22	7914507.5	578.5	2.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1108	-	-	-	-	-	0.04	0.389	563270.36	7914498.4	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1404	-	-	-	-	-	-	0.388	563455.08	7914703.9	600.27	10.27	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1900	-	-	-	-	-	-	0.386	563220.11	7914494.9	588.5	8.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	233	-	-	-	-	-	-	0.385	563444.69	7914677	590.12	10.12	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1810	-	-	-	-	-	-	0.383	563419.27	7914640.9	600.72	10.72	ORE:WASTE	PAG
2019	Pit	580	N1_580_013	809	-	-	-	-	-	0.04	0.382	563282.06	7914505.6	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1005	-	-	-	-	-	0.18	0.38	563281.6	7914516.3	600.15	10.15	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_081	1309	-	-	-	-	-	0.1	0.38	563108.24	7914301.5	610.56	10.56	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	600	N1_600_053	1107	-	-	-	-	-	0.03	0.38	563418.42	7914622	609.21	9.21	WASTE: LIMONITE	PAG
2019	Pit	590	N1_590_027	1905	-	-	-	-	-	0.08	0.378	563365.83	7914618.7	600.58	10.58	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	201	-	-	-	-	-	-	0.376	563236.28	7914526.9	590	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2500	-	-	-	-	-	-	0.376	563459.95	7914760.9	600.59	10.59	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1008	-	-	-	-	-	0.07	0.372	563385.18	7914623.1	600.26	10.26	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_005	1410	-	-	-	-	-	0.01	0.37	563294.81	7914509.4	580.3	10.3	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1308	-	-	-	-	-	0.04	0.37	563415.7	7914631.7	609.23	9.23	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1201	-	-	-	-	-	-	0.369	563413.23	7914680.2	600.63	10.63	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1012	-	-	-	-	-	0.06	0.367	563397.31	7914614.6	599.86	9.86	WASTE: CHLORITE SCHIST/GNEISS	PAG
2019	Pit	570	N1_570_001	1717	-	-	-	-	-	0.02	0.366	563396.39	7914637.9	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	2104	-	-	-	-	-	-	0.366	563404.16	7914668	600.61	10.61	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2505	-	-	-	-	-	0.19	0.363	563337	7914573.9	600.24	10.24	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1211	-	-	-	-	-	-	0.362	563377.53	7914643.7	590.01	10.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	3700	-	-	-	-	-	0.04	0.36	563282.17	7914573.1	589.41	9.41	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1016	-	-	-	-	-	0.1	0.36	563450.21	7914647.4	609.26	9.26	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1404	-	-	-	-	-	0.07	0.36	563350.63	7914603.3	600.36	10.36	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_003	1911	-	-	-	-	-	0.05	0.356	563337.63	7914569.7	580.82	10.82	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2305	-	-	-	-	-	0.11	0.356	563332.38	7914567.3	600.45	10.45	ORE:WASTE	PAG
2019	Pit	590	N1_590_029	1609	-	-	-	-	-	0.01	0.355	563409.76	7914636.7	600.58	10.58	ORE:WASTE	PAG
2019	Pit	590	N1_590_021	1000	-	-	-	-	-	-	0.355	563144.17	7914378	600.04	10.04	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2712	-	-	-	-	-	0.29	0.353	563423.72	7914689.5	590.79	10.79	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1412	-	-	-	-	-	0.46	0.352	563416.26	7914621.8	600.25	10.25	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_051	2403	-	-	-	-	-	0.01	0.35	563466.91	7914748.1	600.36	10.36	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_003	1107	-	-	-	-	-	0.38	0.35	563287.14	7914527.8	589.92	9.92	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	917	-	-	-	-	-	0.06	0.35	563455.96	7914649.1	609.48	9.48	WASTE: RED CLAY ALTERATION	PAG
2019	Pit	590	N1_590_027	1504	-	-	-	-	-	-	0.347	563353.57	7914607	600.43	10.43	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_005	2212	-	-	-	-	-	0.04	0.34	563381.23	7914600.8	589.89	9.89	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1020	-	-	-	-	-	0.02	0.34	563463.41	7914660.3	609.63	9.63	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1808	-	-	-	-	-	0.01	0.335	563367.7	7914611.6	580	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2611	-	-	-	-	-	0.03	0.33	563387.02	7914616	590.4	10.4	ORE/WASTE: MAGNETITE/BIF	PAG
2019	Pit	590	N1_590_023	1206	-	-	-	-	-	0.08	0.33	563285.57	7914508.1	600.07	10.07	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1105	-	-	-	-	-	0.05	0.33	563411.55	7914615.5	609.19	9.19	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	630	N1_600_053	1204	-	-	-	-	-	0.48	0.33	563405.76	7914615	609.39	2.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	228	-	-	-	-	-	0.02	0.325	563432.84	7914691.3	590.43	10.43	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1412	-	-	-	-	-	-	0.324	563381.63	7914653.4	590.4	10.4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_037	1107	-	-	-	-	-	-	0.32	563273.7	7914579.7	601.14	11.14	ORE/WASTE: MAGNETITE/BIF(High SiO2)	PAG
2019	Pit	600	N1_600_053	1107	-	-	-	-	-	0.03	0.32	563418.42	7914622	609.21	9.21	WASTE: LIMONITE	PAG
2019	Pit	590	N1_590_051	308	-	-	-	-	-	-	0.317	563439.18	7914746.1	600.58	10.58	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	324	-	-	-	-	-	0.02	0.316	563442.39	7914674.3	590.03	10.03	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_011	1115	-	-	-	-	-	0.03	0.316	563404.3	7914588.7	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1702	-	-	-	-	-	0.47	0.313	563420.25	7914626.2	589.65	9.65	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	660	N1_660_095	1603	-	-	-	-	-	0.01	0.31	563235.39	7914763.4	667.36	7.36	WASTE	PAG
2019	Pit	590	N1_590_039	325	-	-	-	-	-	0.01	0.31	563307.44	7914634.3	601.14	11.14	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1207	-	-	-	-	-	0.11	0.31	563283.04	7914504.6	600.01	10.01	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1208	-	-	-	-	-	0.04	0.307	563438.29	7914660.1	600.24	10.24	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	210	-	-	-	-	-	-	0.306	563242.19	7914528	580.24	10.24	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1103	-	-	-	-	-	0.08	0.306	563444.36	7914696	600.32	10.32	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1405	-	-	-	-	-	0.03	0.306	563354.1	7914600.9	600.25	10.25	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1607	-	-	-	-	-	0.11	0.301	563364.48	7914603.6	600.16	10.16	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_007	1502	-	-	-	-	-	-	0.3	563413.68	7914620.9	589.45	9.45	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	2610	-	-	-	-	-	0.02	0.3	563425.96	7914679.2	590.63	10.63	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2705	-	-	-	-	-	0.01	0.3	563240.01	7914478.6	580.42	10.42	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2610	-	-	-	-	-	0.01	0.3	563260.75	7914467.8	580.13	10.13	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1409	-	-	-	-	-	0.02	0.3	563405.13	7914630.1	600.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1114	-	-	-	-	-	0.14	0.3	563262.24	7914482.4	599.94	9.94	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1110	-	-	-	-	-	0.09	0.3	563272.28	7914496.5	600.16	10.16	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1406	-	-	-	-	-	0.08	0.3	563357.42	7914598	600.07	10.07	WASTE: CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_007	1703	-	-	-	-	-	0.01	0.297	563417.77	7914629.5	589.84	9.84	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1305	-	-	-	-	-	0.06	0.297	563456.69	7914698.3	600.24	10.24	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_051	1800	-	-	-	-	-	-	0.296	563438.98	7914740.8	600.4	10.4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1406	-	-	-	-	-	0.01	0.29	563280.57	7914520.8	579.92	9.92	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1107	-	-	-	-	-	0.01	0.29	563292.71	7914528.6	580.01	10.01	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1206	-	-	-	-	-	0.78	0.29	563412.28	7914621.5	609.39	9.39	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_025	1901	-	-	-	-	-	0.1	0.288	563308.25	7914565.4	600.5	10.5	WASTE/ORE: LIMONITE/HEMATITE	PAG
2019	Pit	590	N1_590_029	1912	-	-	-	-	-	0.12	0.287	563428.98	7914639.2	600.9	10.9	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1713	-	-	-	-	-	0.04	0.284	563427.45	7914629.4	600.53	10.53	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2305	-	-	-	-	-	0.14	0.283	563332.38	7914567.3	600.45	10.45	ORE:WASTE	PAG
2019	Pit	580	N1_580_007	1013	-	-	-	-	-	0.05	0.28	563383.32	7914629	590	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_047	1105	-	-	-	-	-	0.08	0.28	563159.23	7914341.2	601.02	11.02	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1314	-	-	-	-	-	0.12	0.28	563268.54	7914477.4	600.05	10.05	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1302	-	-	-	-	-	0.01	0.279	563419.26	7914680.6	600.57	10.57	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1016	-	-	-	-	-	0.08	0.279	563409.52	7914606.7	600.09	10.09	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_085	2009	-	-	-	-	-	0.05	0.278	563079.65	7914194.1	610.19	10.19	WASTE: TILL/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1005	-	-	-	-	-	-	0.278	563323.13	7914590	590.43	10.43	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1808	-	-	-	-	-	0.04	0.276	563405.89	7914650.3	589.91	9.91	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_049	1002	-	-	-	-	-	0.15	0.273	563436.37	7914697	600.46	10.46	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_097	2611	-	-	-	-	-	0.01	0.27	563298.92	7914758.2	667	7	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_017	1006	-	-	-	-	-	0.06	0.27	563257.51	7914466.6	589.46	9.46	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1208	-	-	-	-	-	0.08	0.27	563293.9	7914521.9	580.08	10.08	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	2115	-	-	-	-	-	0.01	0.27	563403.03	7914602.5	600	10	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_023	1109	-	-	-	-	-	0.16	0.27	563274.82	7914499.9	600.04	10.04	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1404	-	-	-	-	-	0.08	0.27	563296.78	7914510.1	600.13	10.13	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1207	-	-	-	-	-	0.06	0.269	563264.08	7914498	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	2010	-	-	-	-	-	-	0.267	563423.74	7914648.3	600.9	10.9	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	600	N1_600_053	1408	-	-	-	-	-	-	0.266	563412.48	7914635.2	609.47	9.47	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_003	1913	-	-	-	-	-	0.01	0.265	563343.49	7914576.6	580.97	10.97	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_011	1202	-	-	-	-	-	0.06	0.261	563365.51	7914543	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	708	-	-	-	-	-	0.01	0.261	563281.54	7914511.8	588.5	8.5	WASTE	PAG
2019	Pit	590	N1_590_027	1706	-	-	-	-	-	0.13	0.261	563363.79	7914609.7	600.56	10.56	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	1209	-	-	-	-	-	0.05	0.26	563271.22	7914492.2	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_017	1107	-	-	-	-	-	0.11	0.26	563268.54	7914473.1	590.04	10.04	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1509	-	-	-	-	-	0.01	0.26	563288.02	7914509.1	580.21	10.21	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_059	2015	-	-	-	-	-	0.12	0.26	563118.38	7914248.3	600.84	10.84	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1217	-	-	-	-	-	0.13	0.26	563257.97	7914469.7	599.96	9.96	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_039	224	-	-	-	-	-	-	0.257	563304.93	7914632.5	601.32	11.32	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	1914	-	-	-	-	-	0.05	0.255	563352.21	7914528.1	603.81	13.81	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2103	-	-	-	-	-	0.07	0.253	563430.57	7914641	589.69	9.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1715	-	-	-	-	-	0.02	0.253	563467.64	7914655	601.98	11.98	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1212	-	-	-	-	-	0.43	0.253	563412.06	7914614.5	600	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	319	-	-	-	-	-	0.03	0.252	563427.83	7914692.5	590.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2905	-	-	-	-	-	0.09	0.251	563340.72	7914581.2	600.16	10.16	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_031	1204	-	-	-	-	-	0.01	0.25	563424.45	7914671.1	600.3	10.3	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_001	2304	-	-	-	-	-	-	0.25	563261.44	7914523.2	589.34	9.34	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	2106	-	-	-	-	-	0.09	0.25	563374.12	7914623.6	600.44	10.44	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1712	-	-	-	-	-	0.02	0.25	563382.86	7914595.5	600.04	10.04	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1307	-	-	-	-	-	0.14	0.25	563286.22	7914502.4	600.26	10.26	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1312	-	-	-	-	-	0.12	0.25	563273.74	7914484.8	599.99	9.99	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	2404	-	-	-	-	-	0.36	0.249	563330.89	7914573.4	600.24	10.24	WASTE: LIMONITE	PAG
2019	Pit	590	N1_590_027	2008	-	-	-	-	-	0.06	0.248	563377.91	7914615.3	600.8	10.8	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1507	-	-	-	-	-	0.07	0.247	563363.94	7914599.2	600.5	10.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	2609	-	-	-	-	-	0.07	0.246	563429.08	7914676.1	590.28	10.28	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1113	-	-	-	-	-	0.07	0.246	563413.06	7914608.4	600.24	10.24	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	2108	-	-	-	-	-	0.01	0.244	563418.97	7914657.1	600.49	10.49	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	2009	-	-	-	-	-	0.01	0.243	563420.53	7914650.3	600.76	10.76	WASTE: CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N1_590_009	1911	-	-	-	-	-	-	0.243	563212.71	7914487.6	600.43	10.43	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	570	N1_570_003	1810	-	-	-	-	-	0.19	0.242	563331.57	7914569.1	580.17	10.17	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1011	-	-	-	-	-	0.01	0.24	563302.26	7914526.3	580.4	10.4	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2208	-	-	-	-	-	0.01	0.24	563264.94	7914487.5	579.75	9.75	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1114	-	-	-	-	-	0.01	0.24	563376.55	7914566.2	599.96	9.96	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	580	N1_580_005	2310	-	-	-	-	-	-	0.239	563375.93	7914610.2	589.96	9.96	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1405	-	-	-	-	-	0.17	0.239	563390.03	7914641.1	600.46	10.46	ORE:WASTE	PAG
2019	Pit	590	N1_590_025	2012	-	-	-	-	-	0.08	0.238	563347.38	7914535	603.89	13.89	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	2709	-	-	-	-	-	-	0.237	563432.7	7914679.3	590.37	10.37	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_023	1104	-	-	-	-	-	0.1	0.237	563287.31	7914517.4	600.09	10.09	WASTE/ORE: LIMONITE/HEMATITE	PAG
2019	Pit	580	N1_580_007	1704	-	-	-	-	-	-	0.234	563414.83	7914632.9	589.85	9.85	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_009	2713	-	-	-	-	-	-	0.233	563420.98	7914692.9	590.65	10.65	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_013	807	-	-	-	-	-	0.05	0.233	563275.87	7914512	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_001	1315	-	-	-	-	-	0.01	0.233	563380.94	7914648.1	580	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_045	1607	-	-	-	-	-	0.12	0.233	563177.52	7914363.4	600.48	10.48	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2019	Pit	590	N1_590_025	1301	-	-	-	-	-	0.15	0.233	563294.31	7914546	600.47	10.47	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_095	1503	-	-	-	-	-	0.01	0.23	563231.92	7914767.1	667.15	7.15	WASTE: SILICIFIED GRANITE	PAG
2019	Pit	580	N1_580_017	1004	-	-	-	-	-	0.06	0.23	563252.62	7914461.5	589.59	9.59	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_039	1509	-	-	-	-	-	0.01	0.23	563317.04	7914634.4	600.69	10.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1007	-	-	-	-	-	0.17	0.23	563276.47	7914509.3	600.07	10.07	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1008	-	-	-	-	-	0.13	0.23	563273.96	7914505.8	600.08	10.08	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1611	-	-	-	-	-	0.01	0.23	563415.54	7914650.6	609.32	9.32	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1414	-	-	-	-	-	0.13	0.23	563271.75	7914475.2	600.11	10.11	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2102	-	-	-	-	-	0.06	0.229	563433.46	7914637.3	589.54	9.54	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	1813	-	-	-	-	-	0.05	0.226	563390.95	7914667.7	590	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	2106	-	-	-	-	-	0.01	0.224	563236.12	7914470.9	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_025	1009	-	-	-	-	-	0.1	0.224	563317.15	7914514.5	600.17	10.17	WASTE/ORE: LIMONITE/MAGNETITE	PAG
2019	Pit	580	N1_580_007	1405	-	-	-	-	-	-	0.223	563401.57	7914628.3	589.53	9.53	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	1201	-	-	-	-	-	-	0.222	563225.99	7914499.6	591.27	11.27	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	206	-	-	-	-	-	-	0.221	563224.59	7914512.5	590	10	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_015	1613	-	-	-	-	-	0.12	0.22	563266.63	7914521.8	583.87	3.87	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_017	1622	-	-	-	-	-	0.01	0.22	563335.34	7914515.5	589.89	9.89	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_093	1014	-	-	-	-	-	0.01	0.22	563362.98	7914891.9	666.79	6.79	WASTE: TILL/GNEISS	PAG
2019	Pit	590	N1_590_023	1410	-	-	-	-	-	0.12	0.22	563282.47	7914489.8	600.17	10.17	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1010	-	-	-	-	-	0.12	0.22	563269.02	7914498.8	600.19	10.19	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_079	1725	-	-	-	-	-	0.19	0.22	563165.59	7914358	610.21	10.21	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1218	-	-	-	-	-	0.16	0.22	563256.09	7914466.9	600.06	10.06	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1113	-	-	-	-	-	0.16	0.22	563265.02	7914486.5	600.06	10.06	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_029	1610	-	-	-	-	-	0.05	0.219	563413.55	7914634.1	600.67	10.67	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1510	-	-	-	-	-	-	0.216	563355.98	7914586.1	590.7	10.7	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_027	1106	-	-	-	-	-	0.02	0.213	563349.96	7914586.9	600.38	10.38	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	590	N1_590_025	1708	-	-	-	-	-	0.1	0.213	563329.68	7914539.8	600.49	10.49	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_003	1709	-	-	-	-	-	0.14	0.212	563324.82	7914567.8	580.34	10.34	ORE:WASTE	PAG
2019	Pit	580	N1_580_009	2408	-	-	-	-	-	-	0.211	563425.39	7914666.7	590.53	10.53	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_013	1308	-	-	-	-	-	0.05	0.21	563263.96	7914492.7	588.5	8.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_017	1325	-	-	-	-	-	0.02	0.21	563333.66	7914536.4	590.23	10.23	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	1408	-	-	-	-	-	0.11	0.21	563287.66	7914515.5	580.06	10.06	WASTE: CHLORITE SCHIST	PAG
2019	Pit	570	N1_570_005	2309	-	-	-	-	-	0.01	0.21	563265.21	7914481.4	580.22	10.22	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_001	2807	-	-	-	-	-	-	0.21	563281.25	7914530.6	589.5	9.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_023	1107	-	-	-	-	-	0.13	0.21	563279.8	7914507	600.11	10.11	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1301	-	-	-	-	-	0.01	0.21	563391.96	7914608.3	608.72	8.72	WASTE: RED CLAY ALTERATION	PAG
2019	Pit	590	N1_590_025	1101	-	-	-	-	-	0.13	0.21	563289.68	7914539.4	600.31	10.31	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2105	-	-	-	-	-	-	0.209	563424.68	7914648	590.11	10.11	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_007	2205	-	-	-	-	-	-	0.208	563427.93	7914650.8	590	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_027	1205	-	-	-	-	-	0.04	0.208	563349.6	7914592.7	600.13	10.13	WASTE: CHLORITE SCHIST/LIM	PAG
2019	Pit	580	N1_580_005	1109	-	-	-	-	-	0.1	0.207	563342.87	7914578	590.76	10.76	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2113	-	-	-	-	-	-	0.206	563381.8	7914594.1	589.77	9.77	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	570	N1_570_003	318	-	-	-	-	-	-	0.204	563329.23	7914626.1	579.95	9.95	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1706	-	-	-	-	-	-	0.203	563347.05	7914603.9	590.14	10.14	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_029	1105	-	-	-	-	-	0.06	0.201	563382.25	7914630.1	600.36	10.36	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_095	1604	-	-	-	-	-	0.03	0.2	563239.28	7914767.1	667.27	7.27	WASTE	PAG
2019	Pit	570	N1_570_005	1608	-	-	-	-	-	0.01	0.2	563281.37	7914508.8	580.07	10.07	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2606	-	-	-	-	-	<0.01	0.2	563438.3	7914665.6	590.06	10.06	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_009	2505	-	-	-	-	-	-	0.408	563437.86	7914659.2	589.93	9.93	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	610	N1_610_075	1406	-	-	-	-	-	-	0.03	563025.49	7914127.7	621.05	11.05	ORE:WASTE	PAG
2019	Pit	580	N1_580_005	1909	1	9	89.1	-80	0.1	0.05	2.85	563361.88	7914601.9	590	10	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1809	1	7	87.8	-81	0.08	0.09	2.81	563360	7914598.3	590.07	10.07	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1507	1	-4	75	-79	-0.05	0.1	2.4	563344.91	7914595.9	590.48	10.48	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2019	Pit	580	N1_580_005	1508	1	7	74.7	-68	0.09	0.08	1.985	563348.02	7914593	590.76	10.76	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2008	1	7	59.4	-52	0.12	0.09	1.9	563361.23	7914607.7	589.42	9.42	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1709	1	10	39.7	-30	0.25	0.06	1.27	563357.15	7914595.1	590.28	10.28	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1709	1	10	39.1	-29	0.26	0.01	1.25	563357.15	7914595.1	590.28	10.28	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1908	1	7	36.3	-29	0.19	0.03	1.16	563358.92	7914604.9	589.75	9.75	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_017	1609	1	9	35	-26	0.26	0.07	1.12	563254.32	7914498.6	600.14	10.14	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	201	1	13	35.3	-22	0.37	0.07	1.095	563303.69	7914609.5	590.29	10.29	WASTE: CHLORITE SCHIST	PAG
2019	Pit	667	N1_667_061	1503	1	15	32.2	-17	0.47	0.01	1.03	563185.4	7914667.8	674.4	7.4	WASTE	PAG
2019	Pit	590	N1_590_015	1308	1	-4	32.2	-36	-0.12	0.86	1.03	563213.32	7914450.6	600.13	10.13	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_005	2408	1	11	31.3	-20	0.35	0.07	1	563370.02	7914619.3	589.85	9.85	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2108	1	7	28.8	-22	0.24	0.05	0.92	563364.09	7914611.3	589.52	9.52	WASTE	PAG
2019	Pit	580	N1_580_005	1009	1	7	26.3	-19	0.27	0.12	0.841	563336.89	7914579.3	591.02	11.02	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1609	1	9	27.2	-18	0.33	0.07	0.821	563354.97	7914592.1	590.52	10.52	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1108	1	8	20.6	-13	0.39	0.08	0.679	563339.79	7914581.8	590.69	10.69	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_015	1405	1	1	20.9	-20	0.05	0.11	0.67	563225.28	7914460.1	600.06	10.06	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1515	1	10	20.6	-11	0.48	0.01	0.66	563433.1	7914662.1	609.72	9.72	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	590	N1_590_017	1811	1	12	20.3	-8	0.59	0.08	0.65	563265.14	7914500.5	600.16	10.16	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1309	1	13	19.4	-6	0.67	0.1	0.625	563348.05	7914583.1	590.83	10.83	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1910	1	6	18.8	-13	0.32	0.12	0.6	563365.93	7914597.9	590.05	10.05	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1307	1	3	20	-17	0.15	0.53	0.599	563339.89	7914590.1	590.32	10.32	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	PAG
2019	Pit	667	N1_667_061	4036	1	10	18.4	-8	0.54	0.01	0.573	563179.86	7914685.9	675.17	8.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2311	1	9	17.5	-9	0.51	0.03	0.56	563380.12	7914607.1	590.15	10.15	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2109	1	-4	16.9	-21	-0.24	0.07	0.54	563367.82	7914608.1	589.51	9.51	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1808	1	6	15.9	-10	0.38	0.11	0.51	563355.09	7914601.1	590.18	10.18	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1608	1	6	16.3	-10	0.37	0.08	0.495	563350.96	7914596.1	590.31	10.31	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1810	1	9	15.3	-6	0.59	0.08	0.49	563363.93	7914595	590.02	10.02	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1708	1	10	15.3	-5	0.65	0.06	0.481	563353.63	7914599.2	590.11	10.11	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1408	1	4	15.3	-11	0.26	0.08	0.481	563346.77	7914590	590.66	10.66	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2309	1	10	14.7	-5	0.68	0.02	0.47	563372.88	7914614.1	589.95	9.95	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2308	1	9	14.4	-5	0.63	0.09	0.46	563367.71	7914616.8	589.62	9.62	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2210	1	14	14.4	0	0.97	0.02	0.46	563373.76	7914607.2	589.71	9.71	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_017	1809	1	8	14.4	-6	0.56	0.26	0.46	563258.71	7914504.9	600.14	10.14	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1208	1	9	11.9	-3	0.76	0.01	0.424	563341.91	7914584.1	590.99	10.99	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2209	1	9	13.1	-4	0.69	0.02	0.42	563370.66	7914612	589.83	9.83	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_095	1507	1	10	13.1	-3	0.76	0.01	0.42	563246.66	7914782.1	667.74	7.74	WASTE: SILICIFIED GRANITE	PAG
2019	Pit	580	N1_580_005	2009	1	7	12.8	-6	0.55	0.01	0.41	563365.4	7914605	589.7	9.7	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_017	1611	1	12	12.8	-1	0.94	0.09	0.41	563261.97	7914493.5	600.31	10.31	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1308	1	14	12.5	2	1.12	0.16	0.394	563344.14	7914586.3	590.85	10.85	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2409	1	10	12.2	-2	0.82	0.05	0.39	563374.91	7914616	589.83	9.83	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2208	1	7	11.6	-5	0.61	0.03	0.37	563365.08	7914613.4	589.41	9.41	WASTE	PAG
2019	Pit	580	N1_580_005	1509	1	6	10.9	-5	0.55	0.06	0.364	563351.62	7914589.1	590.71	10.71	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	209	1	18	11.3	7	1.6	0.01	0.36	563324.73	7914630.8	590.17	10.17	WASTE: CHLORITE SCHIST	PAG
2019	Pit	600	N1_600_053	1416	1	0	11.3	-11	0	0.01	0.36	563439.99	7914662.4	609.5	9.5	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_017	1310	1	9	10.9	-2	0.82	0.07	0.35	563250.68	7914486.4	599.98	9.98	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1409	1	5	10.6	-6	0.47	0.08	0.326	563348.98	7914586.1	590.79	10.79	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_015	1403	1	6	10	-4	0.6	0.08	0.32	563230.6	7914468	600.23	10.23	WASTE: CHLORITE SCHIST	PAG

Notes:

*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 - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	667	N1_667_061	1304	1	14	9.7	4	1.45	0.01	0.31	563178.23	7914670.4	674.17	7.17	WASTE	PAG
2019	Pit	600	N1_600_095	1254	1	5	8.1	-3	0.62	0.13	0.296	562944.65	7914058.1	611.72	11.72	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1011	1	8	9.1	-1	0.88	0.05	0.29	563340.22	7914571.8	590.82	10.82	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2110	1	14	9.1	5	1.54	0.03	0.29	563370.97	7914605.2	589.45	9.45	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	1210	1	10	8.4	2	1.19	0.01	0.27	563348.95	7914577.1	590.77	10.77	WASTE: CHLORITE SCHIST	PAG
2019	Pit	580	N1_580_005	2401	1	4	8.4	-4	0.47	0.01	0.27	563345.81	7914638.9	589.85	9.85	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2019	Pit	667	N1_667_061	1301	1	14	8.4	6	1.66	0.01	0.27	563185.72	7914677.4	674.46	7.46	WASTE	PAG
2019	Pit	590	N1_590_009	1310	1	14	8.4	6	1.66	0.04	0.27	563195.21	7914465.8	600.46	10.46	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2019	Pit	590	N1_590_017	1110	1	14	8.1	6	1.72	0.27	0.26	563246.33	7914480	600.01	10.01	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_093	1517	1	8	8.1	0	0.98	0.01	0.248	563382.64	7914896.6	666.9	6.9	WASTE: SILICIFIED GRANITE	PAG
2019	Pit	590	N1_590_017	1411	1	10	7.5	3	1.33	0.11	0.24	563257.41	7914486.9	600.02	10.02	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_009	1009	1	7	7.2	0	0.97	0.01	0.23	563312.16	7914551.2	595.31	5.31	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2019	Pit	580	N1_580_005	1209	1	13	6.3	7	2.08	0.09	0.224	563345.2	7914581	590.98	10.98	WASTE: CHLORITE SCHIST	PAG
2019	Pit	590	N1_590_009	1209	1	14	6.6	7	2.13	0.01	0.21	563189.79	7914465.1	600.54	10.54	WASTE: CHLORITE SCHIST	PAG
2019	Pit	660	N1_660_093	4001	1	8	6.6	1	1.22	0.01	0.208	563378.56	7914886.3	667.26	7.26	WASTE: SILICIFIED GRANITE	PAG
2019	Pit	580	N1_580_005	2410	1	15	6.3	9	2.4	0.01	0.2	563378.92	7914613	590.18	10.18	WASTE: CHLORITE SCHIST	PAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590061	1310	-	-	-	-	-	0.06	0.003	563123.72	7914217.8	599.83	9.83	WASTE	NAG
2019	Pit	590	N590061	1508	-	-	-	-	-	0.01	0.003	563121.27	7914204.2	599.61	9.61	WASTE	NAG
2019	Pit	590	N590061	1609	-	-	-	-	-	0.04	0.003	563112.24	7914208.4	600.09	10.09	WASTE	NAG
2019	Pit	590	N590061	1907	-	-	-	-	-	0.01	0.003	563098.56	7914201.8	599.5	9.5	WASTE	NAG
2019	Pit	610	N1_610_087	2817	-	-	-	-	-	0.07	0.003	563008.02	7913941.7	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	8032	-	-	-	-	-	0.07	0.003	562998.49	7913941.4	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2616	-	-	-	-	-	0.06	0.003	563005.85	7913951.5	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2717	-	-	-	-	-	0.08	0.003	563004.66	7913945	620	10	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	610	N1_610_094	1147	-	-	-	-	-	0.01	0.003	563031.82	7913920	614.53	4.53	WASTE	NAG
2019	Pit	610	N1_610_094	1144	-	-	-	-	-	0.03	0.003	563038.19	7913919.9	614.26	4.26	ORE:WASTE	NAG
2019	Pit	600	N1_600_095	1149	-	-	-	-	-	0.08	0.003	562950.01	7914080.3	611.03	11.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	341	-	-	-	-	-	0.09	0.003	562955.93	7914104.2	611.16	11.16	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	600	N1_600_095	253	-	-	-	-	-	0.08	0.003	562955.25	7914110.2	610.84	10.84	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	600	N1_600_101	1036	-	-	-	-	-	-	0.003	563094.16	7913986.6	608.5	8.5	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N1_590_043	1411	-	-	-	-	-	0.05	0.003	563217.3	7914404.8	599.76	9.76	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1512	-	-	-	-	-	0.07	0.003	563217.31	7914398.6	599.81	9.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	7017	-	-	-	-	-	0.02	0.003	563209.04	7914405.4	600.07	10.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	7015	-	-	-	-	-	0.01	0.003	563212.17	7914410.5	599.94	9.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	1308	-	-	-	-	-	0.01	0.003	563298.81	7914928.1	665.38	5.38	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_091	2108	-	-	-	-	-	0.01	0.003	563316.19	7914944.9	664.81	4.81	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_091	2406	-	-	-	-	-	0.01	0.003	563318.01	7914956.5	663.74	3.74	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1310	-	-	-	-	-	0.01	0.003	563348.71	7914868	667.21	7.21	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1900	-	-	-	-	-	0.01	0.003	563345.74	7914827.3	667.43	7.43	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_093	1300	-	-	-	-	-	0.06	0.003	563334.98	7914934.2	665.52	5.52	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1401	-	-	-	-	-	0.05	0.003	563340.03	7914934	665.52	5.52	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1303	-	-	-	-	-	0.05	0.003	563342.91	7914927.1	666.2	6.2	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590061	1908	-	-	-	-	-	0.06	0.003	563101.87	7914200	599.71	9.71	WASTE	NAG
2019	Pit	610	N610075	2505	-	-	-	-	-	-	0.003	563031.75	7914100.8	622.23	12.23	ORE:WASTE	NAG
2019	Pit	590	N590061	1307	-	-	-	-	-	0.06	0.004	563111.02	7914223.7	600.33	10.33	WASTE	NAG
2019	Pit	590	N590061	1010	-	-	-	-	-	0.07	0.004	563125.27	7914229.4	600.67	10.67	WASTE	NAG
2019	Pit	610	N1_610_094	2047	-	-	-	-	-	0.03	0.004	563013.54	7913920.4	614.56	4.56	WASTE	NAG
2019	Pit	610	N1_610_094	1053	-	-	-	-	-	0.03	0.004	563009.15	7913925	614.45	4.45	WASTE	NAG
2019	Pit	600	N1_600_095	1250	-	-	-	-	-	0.08	0.004	562952.18	7914074.5	611.12	11.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	256	-	-	-	-	-	0.09	0.004	562950.58	7914100	610.88	10.88	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	600	N1_600_101	1719	-	-	-	-	-	-	0.004	563021.55	7913971.9	610.97	12.47	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N1_590_043	1407	-	-	-	-	-	0.03	0.004	563229.87	7914418.4	600.11	10.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	1706	-	-	-	-	-	0.08	0.004	563303.06	7914940.9	664.85	4.85	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_093	1900	-	-	-	-	-	0.3	0.004	563350.05	7914949.1	662.41	2.5	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1404	-	-	-	-	-	0.03	0.004	563348.22	7914926.8	665.52	5.52	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1600	-	-	-	-	-	0.15	0.004	563343	7914941.1	664.09	4.09	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590061	1608	-	-	-	-	-	0.05	0.004	563108.99	7914211.1	600.18	10.18	WASTE	NAG
2019	Pit	590	N590023	1521	-	-	-	-	-	0.05	0.004	563258.07	7914448.8	599.87	9.87	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1609	-	-	-	-	-	0.06	0.005	563118.92	7914209.8	599.73	9.73	WASTE	NAG
2019	Pit	590	N590061	1710	-	-	-	-	-	0.06	0.005	563115.05	7914203	599.6	9.6	WASTE	NAG
2019	Pit	610	N1_610_094	2045	-	-	-	-	-	0.02	0.005	563020.16	7913918.1	613.86	3.86	WASTE	NAG
2019	Pit	600	N1_600_095	343	-	-	-	-	-	0.14	0.005	562951.97	7914095.1	610.89	10.89	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	590	N1_590_043	1514	-	-	-	-	-	0.04	0.005	563211.11	7914391.8	599.75	9.75	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1111	-	-	-	-	-	0.01	0.005	563445.22	7914649.8	600.24	10.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1214	-	-	-	-	-	0.11	0.005	563104.03	7914220.6	609.84	9.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1100	-	-	-	-	-	0.29	0.005	563330.43	7914929.2	665.28	5.28	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1103	-	-	-	-	-	0.12	0.005	563337.54	7914921.6	666.03	6.03	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590061	1706	-	-	-	-	-	0.06	0.005	563099.13	7914211.8	599.88	9.88	WASTE	NAG
2019	Pit	610	N610075	2606	-	-	-	-	-	-	0.005	563033.61	7914095.5	622.26	12.26	ORE:WASTE	NAG
2019	Pit	590	N590061	1411	-	-	-	-	-	0.08	0.006	563125.01	7914211	599.44	9.44	WASTE	NAG
2019	Pit	590	N590061	2009	-	-	-	-	-	0.04	0.006	563103.89	7914193.8	599.58	9.58	WASTE	NAG
2019	Pit	610	N1_610_089	1406	-	-	-	-	-	-	0.006	562962.56	7914001.7	621.29	11.29	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	610	N1_610_094	1140	-	-	-	-	-	0.15	0.006	563042.14	7913917.3	613.97	3.97	ORE:WASTE	NAG
2019	Pit	610	N1_610_094	2049	-	-	-	-	-	0.02	0.006	563006.87	7913922.4	614.45	4.45	WASTE	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	600	N1_600_095	1145	-	-	-	-	-	0.01	0.006	562957.7	7914096.9	611.1	11.1	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	347	-	-	-	-	-	0.08	0.006	562943.94	7914077.3	611.09	11.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	1151	-	-	-	-	-	0.11	0.006	562946.37	7914072	611.33	11.33	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	261	-	-	-	-	-	0.15	0.006	562942.79	7914082.8	611.09	11.09	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	590	N1_590_043	1402	-	-	-	-	-	0.01	0.006	563244.33	7914434.7	600.09	10.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1413	-	-	-	-	-	0.04	0.006	563211.39	7914397.8	599.81	9.81	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1603	-	-	-	-	-	0.03	0.006	563248.6	7914426.4	599.8	9.8	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4310	-	-	-	-	-	0.02	0.006	563217.15	7914411.5	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4315	-	-	-	-	-	-	0.006	563205.97	7914396.9	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1710	-	-	-	-	-	0.03	0.006	563458.84	7914671.4	599.79	9.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1311	-	-	-	-	-	0.01	0.006	563451.71	7914654.9	599.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4307	-	-	-	-	-	0.01	0.006	563225.1	7914419.4	600.29	10.29	ORE:WASTE	NAG
2019	Pit	600	N600085	1809	-	-	-	-	-	0.08	0.006	563082.83	7914201.7	610.19	10.19	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_065	1806	-	-	-	-	-	-	0.006	563084.24	7914214.1	619.71	9.71	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_101	2321	-	-	-	-	-	0.26	0.006	563015	7913944.2	610.76	12.26	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	600	N1_600_097	302	-	-	-	-	-	0.09	0.006	563035.02	7914278.2	610.82	12.32	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590061	1708	-	-	-	-	-	0.01	0.006	563106.94	7914206.8	599.85	9.85	WASTE	NAG
2019	Pit	590	N590061	1808	-	-	-	-	-	0.07	0.006	563104.3	7914203	599.79	9.79	WASTE	NAG
2019	Pit	590	N590061	1707	-	-	-	-	-	0.06	0.006	563102.89	7914208.9	599.74	9.74	WASTE	NAG
2019	Pit	600	N600083	1212	-	-	-	-	-	0.16	0.006	563116.47	7914239.8	611.52	13.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600083	1009	-	-	-	-	-	-	0.006	563108.89	7914252	611.06	12.56	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_101	1324	-	-	-	-	-	-	0.007	563050.81	7913976.5	608.5	8.5	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N1_590_043	1415	-	-	-	-	-	0.01	0.007	563205.25	7914391	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4103	-	-	-	-	-	0.03	0.007	563230.91	7914434.3	600.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1609	-	-	-	-	-	0.05	0.007	563229.77	7914405.7	599.86	9.86	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	6019	-	-	-	-	-	0.03	0.007	563204.62	7914401.3	600.1	10.1	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4313	-	-	-	-	-	-	0.007	563210.55	7914402.6	600.08	10.08	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2204	-	-	-	-	-	0.14	0.007	563121.12	7914241.7	600.51	10.51	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1500	-	-	-	-	-	0.02	0.007	563333.14	7914833.5	667.32	7.32	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	600	N600085	1013	-	-	-	-	-	0.13	0.007	563109.69	7914226.7	609.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1104	-	-	-	-	-	-	0.007	563325.41	7914592.6	590.45	10.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1403	-	-	-	-	-	-	0.007	563328.19	7914604.2	590.2	10.2	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1906	-	-	-	-	-	0.06	0.007	563094.79	7914204.5	599.35	9.35	WASTE	NAG
2019	Pit	590	N590061	1110	-	-	-	-	-	0.06	0.008	563126.7	7914224.6	600.14	10.14	WASTE	NAG
2019	Pit	590	N590061	1309	-	-	-	-	-	0.06	0.008	563118.78	7914219.9	600.26	10.26	WASTE	NAG
2019	Pit	590	N590061	1705	-	-	-	-	-	0.05	0.008	563095.39	7914213.9	599.77	9.77	WASTE	NAG
2019	Pit	590	N590061	1506	-	-	-	-	-	0.03	0.008	563103.04	7914218.7	600.24	10.24	WASTE	NAG
2019	Pit	600	N1_600_095	1248	-	-	-	-	-	-	0.008	562955.78	7914081.9	610.96	10.96	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4101	-	-	-	-	-	0.03	0.008	563235.69	7914439.8	600.42	10.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1414	-	-	-	-	-	0.08	0.008	563208.49	7914394.2	599.81	9.81	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N1_590_043	1408	-	-	-	-	-	-	0.008	563226.55	7914414.9	600.01	10.01	ORE:WASTE	NAG
2019	Pit	590	N1_590_043	1711	-	-	-	-	-	0.07	0.008	563226.73	7914396	599.81	9.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1613	-	-	-	-	-	0.08	0.008	563217.17	7914392.3	599.73	9.73	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590031	1919	-	-	-	-	-	0.01	0.008	563482.63	7914650.2	601.07	11.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1009	-	-	-	-	-	0.09	0.008	563199.32	7914380.3	600.36	10.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2011	-	-	-	-	-	0.07	0.008	563133.96	7914239.4	600.41	10.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2002	-	-	-	-	-	0.05	0.008	563130.38	7914246.2	600.9	10.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1702	-	-	-	-	-	0.02	0.008	563343.22	7914836.3	667.28	7.28	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_043	1813	-	-	-	-	-	0.07	0.008	563223.56	7914386.4	599.68	9.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1210	-	-	-	-	-	0.17	0.008	563099.28	7914222.6	609.58	9.58	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590029	1816	-	-	-	-	-	0.05	0.008	563434.7	7914621.9	601.66	11.66	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1015	-	-	-	-	-	0.01	0.008	563365.37	7914889.6	667.11	7.11	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1001	-	-	-	-	-	0.05	0.008	563330.49	7914923.8	664.79	4.79	WASTE: TILL/GNEISS	NAG
2019	Pit	600	N1_600_081	6015	-	-	-	-	-	-	0.008	563125.91	7914337.8	610.5	10.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1606	-	-	-	-	-	0.07	0.008	563101.21	7914214.9	600	10	WASTE	NAG
2019	Pit	590	N590061	1806	-	-	-	-	-	0.09	0.008	563096.19	7914208.3	599.81	9.81	WASTE	NAG
2019	Pit	610	N610075	2507	-	-	-	-	-	-	0.008	563037.47	7914098	621.52	11.52	WASTE: LIMONITE	NAG
2019	Pit	590	N590023	2007	-	-	-	-	-	0.03	0.008	563309.09	7914486	600.96	10.96	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_011	1218	-	-	-	-	-	0.07	0.009	563417.23	7914595.2	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1906	-	-	-	-	-	0.01	0.009	563356.62	7914843.4	667.32	7.32	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1018	-	-	-	-	-	0.01	0.009	563351.87	7914881.2	667.19	7.19	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_048	1640	-	-	-	-	-	0.01	0.009	563425.04	7914587	594.98	4.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1630	-	-	-	-	-	0.01	0.009	563408.06	7914567.9	595.65	5.65	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2705	-	-	-	-	-	-	0.188	563444.73	7914664.9	590.14	10.14	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2706	-	-	-	-	-	-	0.119	563442.02	7914668.8	590.3	10.3	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_061	1209	-	-	-	-	-	-	0.166	563121.18	7914222.6	600.37	10.37	WASTE	NAG
2019	Pit	590	N590061	2012	-	-	-	-	-	0.08	0.009	563115.93	7914187	598.64	8.64	WASTE	NAG
2019	Pit	600	N600083	1312	-	-	-	-	-	0.19	0.009	563115.06	7914236.2	611.44	12.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600083	1211	-	-	-	-	-	0.14	0.009	563113.71	7914242.2	611.5	13	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	4031	-	-	-	-	-	2.16	0.01	563190.71	7914682	674.61	7.61	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	667	N1_667_061	4034	-	-	-	-	-	1.84	0.01	563185.14	7914687.1	675.15	8.15	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	667	N1_667_061	4029	-	-	-	-	-	2.42	0.01	563192.63	7914676.5	674.29	7.29	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_095	1709	-	-	-	-	-	0.01	0.01	563259.54	7914780.8	667.1	7.1	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3020	-	-	-	-	-	0.01	0.01	563349.97	7914811.1	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3018	-	-	-	-	-	0.01	0.01	563344.4	7914805.5	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3020	-	-	-	-	-	0.01	0.01	563349.97	7914811.1	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3018	-	-	-	-	-	0.01	0.01	563344.4	7914805.5	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_095	1907	-	-	-	-	-	0.05	0.01	563260.36	7914767.7	667.35	7.35	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_095	1903	-	-	-	-	-	0.05	0.01	563245.23	7914753	667.43	7.43	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_095	2005	-	-	-	-	-	0.01	0.01	563255.98	7914757.4	667.33	7.33	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_009	238	-	-	-	-	-	0.04	0.01	563456.31	7914663.2	589.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2502	-	-	-	-	-	0.06	0.01	563446.72	7914648.7	589.91	9.91	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2503	-	-	-	-	-	0.12	0.01	563444.38	7914652.5	590.12	10.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	329	-	-	-	-	-	0.13	0.01	563458.99	7914655.8	589.53	9.53	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2402	-	-	-	-	-	0.06	0.01	563443.23	7914645.7	590.12	10.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2702	-	-	-	-	-	0.12	0.01	563453.5	7914654.6	589.89	9.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2401	-	-	-	-	-	0.02	0.01	563446.55	7914642.3	589.58	9.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	328	-	-	-	-	-	0.04	0.01	563455.45	7914659.9	589.7	9.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	239	-	-	-	-	-	0.01	0.01	563458.7	7914660.8	589.78	9.78	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2603	-	-	-	-	-	0.01	0.01	563447.86	7914655.5	589.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2602	-	-	-	-	-	0.1	0.01	563450.64	7914651.1	589.8	9.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1305	-	-	-	-	-	0.24	0.01	563102.7	7914229.3	600.76	10.76	WASTE	NAG
2019	Pit	590	N1_590_061	1407	-	-	-	-	-	-	0.01	563109.43	7914220.9	600.25	10.25	WASTE	NAG
2019	Pit	590	N1_590_061	1207	-	-	-	-	-	0.06	0.01	563113.37	7914227.9	600.51	10.51	WASTE	NAG
2019	Pit	590	N1_590_061	1210	-	-	-	-	-	0.06	0.01	563125.14	7914221	599.58	9.58	WASTE	NAG
2019	Pit	590	N1_590_061	1111	-	-	-	-	-	0.06	0.01	563130.97	7914222.2	599.48	9.48	WASTE	NAG
2019	Pit	590	N1_590_061	1007	-	-	-	-	-	0.06	0.01	563116.23	7914235	601.07	11.07	WASTE	NAG
2019	Pit	590	N590061	1107	-	-	-	-	-	0.06	0.01	563116.1	7914231.8	600.65	10.65	WASTE	NAG
2019	Pit	590	N590061	1211	-	-	-	-	-	0.08	0.01	563128.67	7914218.9	599.41	9.41	WASTE	NAG
2019	Pit	667	N1_667_061	1515	-	-	-	-	-	0.16	0.01	563151.89	7914636.3	674.71	7.71	WASTE	NAG
2019	Pit	590	N590061	2006	-	-	-	-	-	0.13	0.01	563092.17	7914201	599.44	9.44	WASTE	NAG
2019	Pit	580	N1_580_011	1615	-	-	-	-	-	0.01	0.01	563419.7	7914573.2	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1032	-	-	-	-	-	0.01	0.01	563319.52	7914543.2	590.1	10.1	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1111	-	-	-	-	-	0.01	0.01	563281.12	7914488.5	589.52	9.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1614	-	-	-	-	-	0.03	0.01	563310.69	7914484.7	589.72	9.72	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	610	N1_610_087	8028	-	-	-	-	-	0.01	0.01	563008.9	7913935.5	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2718	-	-	-	-	-	0.06	0.01	563001.56	7913942.5	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1029	-	-	-	-	-	0.01	0.01	562986.62	7913950.5	621.15	11.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1031	-	-	-	-	-	0.01	0.01	562980.86	7913955.3	621.14	11.14	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	610	N1_610_089	1034	-	-	-	-	-	0.01	0.01	562972.19	7913963.3	621.1	11.1	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1036	-	-	-	-	-	0.04	0.01	562966.47	7913968.8	621.73	11.73	WASTE	NAG
2019	Pit	610	N1_610_089	1038	-	-	-	-	-	0.01	0.01	562961.19	7913974.6	621.31	11.31	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	610	N1_610_089	1031	-	-	-	-	-	0.01	0.01	562980.86	7913955.3	621.14	11.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1418	-	-	-	-	-	0.08	0.01	562995.8	7913960.1	621.52	11.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1317	-	-	-	-	-	0.06	0.01	562996.52	7913964.3	621.66	11.66	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1616	-	-	-	-	-	0.08	0.01	562982.51	7913959.4	621.41	11.41	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	610	N1_610_089	1041	-	-	-	-	-	0.01	0.01	562954.08	7913983.4	620.8	10.8	WASTE	NAG
2019	Pit	610	N1_610_089	1414	-	-	-	-	-	0.01	0.01	562984.55	7913972.8	621.43	11.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1713	-	-	-	-	-	0.01	0.01	562972.04	7913968.6	621.35	11.35	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1707	-	-	-	-	-	0.01	0.01	562954.82	7913989.8	620.72	10.72	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1715	-	-	-	-	-	0.01	0.01	562978.94	7913962	621.1	11.1	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1513	-	-	-	-	-	0.09	0.01	562978.1	7913973.5	621.37	11.37	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1511	-	-	-	-	-	0.02	0.01	562972.53	7913980.4	621.45	11.45	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1307	-	-	-	-	-	0.05	0.01	562969.74	7913999.6	621.63	11.63	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1509	-	-	-	-	-	0.06	0.01	562967.57	7913987.6	621.7	11.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1709	-	-	-	-	-	0.02	0.01	562960.02	7913982.3	621.17	11.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1608	-	-	-	-	-	0.01	0.01	562961.57	7913988.4	620.89	10.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1614	-	-	-	-	-	0.01	0.01	562978.57	7913968.2	621.3	11.3	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1412	-	-	-	-	-	0.04	0.01	562978.73	7913979.7	621.77	11.77	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1408	-	-	-	-	-	0.08	0.01	562967.94	7913994.4	621.41	11.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	650	N1_610_094	1078	-	-	-	-	-	0.03	0.01	562958.7	7913966	616.01	2.5	WASTE	NAG
2019	Pit	650	N1_610_094	1080	-	-	-	-	-	0.04	0.01	562954.54	7913971.3	615.54	2.5	WASTE	NAG
2019	Pit	650	N1_610_094	1082	-	-	-	-	-	0.04	0.01	562950.03	7913977.1	614.97	2.5	WASTE	NAG
2019	Pit	650	N1_610_094	1084	-	-	-	-	-	0.02	0.01	562945.15	7913982.6	615.52	2.5	WASTE	NAG
2019	Pit	650	N1_610_094	1086	-	-	-	-	-	0.08	0.01	562940.7	7913987.1	615.74	2.5	WASTE	NAG
2019	Pit	610	N1_610_094	2080	-	-	-	-	-	0.03	0.01	562945.42	7913978.1	614.96	4.96	WASTE	NAG
2019	Pit	610	N1_610_094	2082	-	-	-	-	-	0.11	0.01	562940.74	7913983.5	615.41	5.41	WASTE	NAG
2019	Pit	610	N1_610_094	2084	-	-	-	-	-	0.14	0.01	562936.33	7913988.1	615.56	5.56	WASTE	NAG
2019	Pit	590	N1_590_043	1416	-	-	-	-	-	0.004	0.01	563201.66	7914388.1	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1516	-	-	-	-	-	0.02	0.01	563204.79	7914385.1	599.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1710	-	-	-	-	-	0.02	0.01	563229.89	7914399.5	599.84	9.84	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590031	1017	-	-	-	-	-	0.05	0.01	563452.93	7914638.7	602.05	12.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1019	-	-	-	-	-	0.04	0.01	563456.98	7914634.9	601.14	11.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1214	-	-	-	-	-	0.02	0.01	563454.61	7914645.5	600.73	10.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1104	-	-	-	-	-	0.03	0.01	563460.27	7914636.1	600.7	10.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1102	-	-	-	-	-	0.07	0.01	563455.19	7914640.7	601.5	11.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1011	-	-	-	-	-	0.04	0.01	563205.9	7914374.8	600.05	10.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1108	-	-	-	-	-	0.04	0.01	563194.96	7914377.7	600.11	10.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1409	-	-	-	-	-	0.03	0.01	563190.81	7914365.2	600.49	10.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_600_088	1216	-	-	-	-	-	0.01	0.01	563096.35	7914183.4	604.07	2.5	WASTE	NAG
2019	Pit	660	N1_600_088	1210	-	-	-	-	-	0.03	0.01	563107.02	7914201.8	602.51	2.5	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	660	N1_600_088	1212	-	-	-	-	-	0.05	0.01	563103.22	7914196	602.52	2.5	WASTE	NAG
2019	Pit	660	N1_600_088	1208	-	-	-	-	-	0.01	0.01	563111.26	7914207.7	602.05	2.5	WASTE	NAG
2019	Pit	660	N1_600_088	1315	-	-	-	-	-	0.01	0.01	563101.23	7914184.8	603.26	2.5	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	660	N1_600_088	1307	-	-	-	-	-	0.07	0.01	563114.93	7914209.7	601.92	2.5	WASTE	NAG
2019	Pit	660	N1_600_088	1202	-	-	-	-	-	0.02	0.01	563119.9	7914226.5	602.32	2.5	ORE:WASTE	NAG
2019	Pit	660	N1_600_088	1311	-	-	-	-	-	0.02	0.01	563108.06	7914197	602.7	2.5	WASTE	NAG
2019	Pit	660	N1_600_088	1410	-	-	-	-	-	0.02	0.01	563112.85	7914198.5	601.75	2.5	ORE:WASTE	NAG
2019	Pit	590	N1_590_047	1210	-	-	-	-	-	0.04	0.01	563176.03	7914326.1	600.74	10.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1412	-	-	-	-	-	0.42	0.01	563180.24	7914313.2	600.86	10.86	ORE:WASTE (See comments)	NAG
2019	Pit	590	N1_590_047	1311	-	-	-	-	-	0.04	0.01	563178.32	7914320.1	601	11	ORE:WASTE (See comments)	NAG
2019	Pit	590	N1_590_047	1410	-	-	-	-	-	0.07	0.01	563173.01	7914317.7	600.74	10.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1309	-	-	-	-	-	0.05	0.01	563170.24	7914324.5	600.9	10.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	217	-	-	-	-	-	-	0.01	563387.75	7914696.5	600.1	10.1	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1903	-	-	-	-	-	0.02	0.01	563351.7	7914834.5	667.48	7.48	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	2019	-	-	-	-	-	0.01	0.01	563371.2	7914876.5	667.47	7.47	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1715	-	-	-	-	-	0.01	0.01	563366.07	7914873.9	667.56	7.56	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	2016	-	-	-	-	-	0.01	0.01	563368.06	7914869	667.58	7.58	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1709	-	-	-	-	-	0.01	0.01	563357.37	7914858.1	667.48	7.48	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	2013	-	-	-	-	-	0.01	0.01	563366.06	7914859.8	667.39	7.39	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1307	-	-	-	-	-	0.01	0.01	563343.71	7914859.2	667.18	7.18	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1203	-	-	-	-	-	0.01	0.01	563330.71	7914848.8	667.23	7.23	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1301	-	-	-	-	-	0.01	0.01	563330.91	7914841.1	667.18	7.18	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1008	-	-	-	-	-	0.01	0.01	563333.08	7914856.2	667.27	7.27	WASTE: SILICIFIED GRANITE	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	660	N1_660_089	1013	-	-	-	-	-	0.01	0.01	563342.88	7914865.4	667.16	7.16	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1002	-	-	-	-	-	0.01	0.01	563325.07	7914841.9	667.28	7.28	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1304	-	-	-	-	-	0.01	0.01	563336.93	7914850.2	667.06	7.06	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1906	-	-	-	-	-	0.01	0.01	563356.62	7914843.4	667.32	7.32	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_043	1716	-	-	-	-	-	0.05	0.01	563211.17	7914379.2	599.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7011	-	-	-	-	-	0.01	0.01	563405.73	7914586.6	603.33	13.33	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6012	-	-	-	-	-	0.01	0.01	563408.94	7914588.7	603.26	13.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	2317	-	-	-	-	-	0.07	0.01	563406.61	7914592.1	603.14	13.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6014	-	-	-	-	-	0.01	0.01	563413.16	7914594.3	602.41	12.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6000	-	-	-	-	-	0.01	0.01	563382.75	7914556.6	599.64	9.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7001	-	-	-	-	-	0.01	0.01	563383.52	7914560.4	600.56	10.56	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	2317	-	-	-	-	-	0.01	0.01	563402.14	7914594.5	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8000	-	-	-	-	-	0.01	0.01	563380.44	7914558.4	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8014	-	-	-	-	-	0.01	0.01	563411.5	7914595.5	602.33	12.33	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1814	-	-	-	-	-	0.02	0.01	563092.01	7914199	610.01	10.01	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N600085	1515	-	-	-	-	-	0.09	0.01	563101.68	7914208	610	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1414	-	-	-	-	-	0.03	0.01	563099.38	7914213	609.65	9.65	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1616	-	-	-	-	-	0.09	0.01	563102.56	7914202.3	609.73	9.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1614	-	-	-	-	-	0.06	0.01	563095.52	7914206.1	609.7	9.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1915	-	-	-	-	-	0.07	0.01	563093.97	7914194	610	10	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N600085	1816	-	-	-	-	-	0.06	0.01	563099.77	7914195.3	609.59	9.59	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1416	-	-	-	-	-	0.07	0.01	563105.91	7914209.5	610	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1409	-	-	-	-	-	0.05	0.01	563090.93	7914217.3	609.89	9.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2114	-	-	-	-	-	0.1	0.01	563086.38	7914189.4	609.72	9.72	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6010	-	-	-	-	-	0.01	0.01	563404.23	7914583.8	603.68	13.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7009	-	-	-	-	-	0.01	0.01	563400.7	7914581.9	604.04	14.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8006	-	-	-	-	-	0.01	0.01	563392.62	7914575	603.82	13.82	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8004	-	-	-	-	-	0.01	0.01	563388.41	7914569.8	603.34	13.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7005	-	-	-	-	-	0.01	0.01	563391.02	7914571.3	603.55	13.55	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8008	-	-	-	-	-	0.02	0.01	563397.49	7914579.9	603.84	13.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7003	-	-	-	-	-	0.01	0.01	563387.28	7914566.1	603.22	13.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6004	-	-	-	-	-	0.02	0.01	563390.14	7914568.5	603.16	13.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6006	-	-	-	-	-	0.02	0.01	563394.27	7914574.2	603.58	13.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	7007	-	-	-	-	-	0.01	0.01	563395.85	7914576.9	603.78	13.78	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1518	-	-	-	-	-	0.07	0.01	563430.91	7914610.9	601.49	11.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	2115	-	-	-	-	-	0.04	0.01	563438.39	7914631.7	600.53	10.53	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1412	-	-	-	-	-	0.01	0.01	563297.28	7914591.2	601.65	11.65	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1410	-	-	-	-	-	0.01	0.01	563363.24	7914911.7	665.5	5.5	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1612	-	-	-	-	-	0.09	0.01	563372.6	7914911.6	665.28	5.28	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1711	-	-	-	-	-	0.01	0.01	563372.55	7914916.1	665.15	5.15	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1513	-	-	-	-	-	0.32	0.01	563372.19	7914906.6	665.86	5.86	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1311	-	-	-	-	-	0.01	0.01	563362.82	7914906.6	665.75	5.75	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_050	1402	-	-	-	-	-	0.01	0.01	563466.95	7914678.8	599.82	9.82	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1301	-	-	-	-	-	0.02	0.01	563463.54	7914677.2	599.84	9.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1302	-	-	-	-	-	0.02	0.01	563464.44	7914680.8	599.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1304	-	-	-	-	-	0.04	0.01	563468.7	7914686.7	599.99	9.99	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_050	1401	-	-	-	-	-	0.01	0.01	563464.11	7914674.9	599.66	9.66	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_050	1403	-	-	-	-	-	0.01	0.01	563469.46	7914681.7	599.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1303	-	-	-	-	-	0.01	0.01	563467.28	7914683.6	600.03	10.03	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_050	1502	-	-	-	-	-	0.01	0.01	563469.72	7914675.9	599.7	9.7	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1012	-	-	-	-	-	0.01	0.01	563357.96	7914896.1	666.31	6.31	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1707	-	-	-	-	-	0.21	0.01	563361.85	7914926.6	664.78	4.78	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1608	-	-	-	-	-	0.21	0.01	563362.32	7914921.6	664.77	4.77	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1215	-	-	-	-	-	0.01	0.01	563369.85	7914894.3	666.82	6.82	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1603	-	-	-	-	-	0.8	0.01	563350.13	7914933.5	664.22	4.22	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1801	-	-	-	-	-	0.15	0.01	563350.26	7914944.1	662.93	2.93	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	2001	-	-	-	-	-	0.43	0.01	563354.51	7914948.4	662.45	2.5	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1702	-	-	-	-	-	0.26	0.01	563350.01	7914939.1	663.62	3.62	WASTE: TILL/GNEISS	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	660	N1_660_093	1705	-	-	-	-	-	0.35	0.01	563357.59	7914931.6	664.46	4.46	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1909	-	-	-	-	-	0.33	0.01	563372.21	7914926.7	664.6	4.6	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1906	-	-	-	-	-	0.22	0.01	563364.96	7914934.2	664.19	4.19	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1903	-	-	-	-	-	0.47	0.01	563357.69	7914941.4	663.32	3.32	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1107	-	-	-	-	-	0.02	0.01	563347.03	7914911.1	666.86	6.86	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1208	-	-	-	-	-	0.08	0.01	563352.01	7914911.3	666.6	6.6	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_048	1838	-	-	-	-	-	0.01	0.01	563424.95	7914579.9	594.95	4.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1625	-	-	-	-	-	0.01	0.01	563400.04	7914559.1	594.84	4.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1517	-	-	-	-	-	0.01	0.01	563385.39	7914545.1	593.83	3.83	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_061	200	-	-	-	-	-	0.01	0.01	562982.81	7914211.5	620.24	10.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_061	300	-	-	-	-	-	0.01	0.01	562986.33	7914210.8	620.26	10.26	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_015	1514	-	-	-	-	-	0.07	0.01	563204.92	7914422.4	600.18	10.18	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N1_600_081	2110	-	-	-	-	-	-	0.01	563128.29	7914275.7	610.62	10.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2114	-	-	-	-	-	-	0.01	563117.74	7914260.7	611.04	11.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1321	-	-	-	-	-	0.09	0.01	563461.36	7914676.3	610.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1317	-	-	-	-	-	0.13	0.01	563446.7	7914662.5	609.34	9.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1319	-	-	-	-	-	0.06	0.01	563454.09	7914669.6	609.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1325	-	-	-	-	-	0.14	0.01	563473.66	7914688.4	609.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1323	-	-	-	-	-	0.1	0.01	563467.17	7914682	609.88	9.88	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	925	-	-	-	-	-	0.01	0.01	563482.81	7914673.4	610.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	927	-	-	-	-	-	0.03	0.01	563489.58	7914679.2	610.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1313	-	-	-	-	-	0.08	0.01	563432.77	7914648.1	609.15	9.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1022	-	-	-	-	-	0.01	0.01	563469.98	7914666.8	609.97	9.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1430	-	-	-	-	-	0.15	0.01	563158.5	7914332.7	609.22	9.22	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1432	-	-	-	-	-	0.81	0.01	563151.92	7914326.7	609.23	9.23	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1622	-	-	-	-	-	0.1	0.01	563178.17	7914364.3	609.6	9.6	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1422	-	-	-	-	-	0.11	0.01	563252.58	7914448	600.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1121	-	-	-	-	-	0.05	0.01	563245	7914458.4	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1222	-	-	-	-	-	0.12	0.01	563245.89	7914452.4	599.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1410	-	-	-	-	-	0.01	0.011	563220.19	7914408.6	599.88	9.88	ORE:WASTE	NAG
2019	Pit	590	N1_590_043	1409	-	-	-	-	-	0.01	0.011	563222.73	7914412.5	600.07	10.07	ORE:WASTE	NAG
2019	Pit	590	N590031	1410	-	-	-	-	-	0.01	0.011	563450.75	7914661.3	599.96	9.96	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1110	-	-	-	-	-	0.07	0.011	563202.33	7914371.7	600.2	10.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	2410	-	-	-	-	-	-	0.011	563326.53	7914947.1	664.41	4.41	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590029	1717	-	-	-	-	-	0.21	0.011	563436.3	7914615.4	602.09	12.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2303	-	-	-	-	-	0.43	0.011	563367.37	7914951.5	662.17	2.5	WASTE: TILL/GNEISS	NAG
2019	Pit	610	N610075	2206	-	-	-	-	-	-	0.011	563041.03	7914109.8	621.48	11.48	ORE:WASTE	NAG
2019	Pit	580	N1_580_005	210	-	-	-	-	-	-	0.012	563328.1	7914632.9	590.09	10.09	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1211	-	-	-	-	-	-	0.012	563352.8	7914574.2	590.96	10.96	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	221	-	-	-	-	-	-	0.012	563415.89	7914698.9	590.75	10.75	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590061	1406	-	-	-	-	-	0.58	0.012	563105.6	7914223.2	600.55	10.55	WASTE	NAG
2019	Pit	590	N590061	1008	-	-	-	-	-	0.17	0.012	563119.8	7914233.7	600.37	10.37	WASTE	NAG
2019	Pit	590	N590061	2010	-	-	-	-	-	0.08	0.012	563107.98	7914191	599.03	9.03	WASTE	NAG
2019	Pit	580	N1_580_011	1409	-	-	-	-	-	0.04	0.012	563394.14	7914559.7	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1222	-	-	-	-	-	-	0.012	563319.54	7914528.5	590.15	10.15	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	600	N1_600_095	349	-	-	-	-	-	0.1	0.012	562940.3	7914068.2	611.58	11.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_101	1820	-	-	-	-	-	-	0.012	563023.26	7913965.8	611.32	12.82	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N1_590_043	4100	-	-	-	-	-	0.02	0.012	563237.91	7914443	600.42	10.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1607	-	-	-	-	-	0.06	0.012	563235.88	7914412.5	599.72	9.72	ORE:WASTE	NAG
2019	Pit	590	N590031	1014	-	-	-	-	-	0.01	0.012	563444.31	7914645.7	600.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1013	-	-	-	-	-	0.01	0.012	563440.63	7914648.2	600.58	10.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1511	-	-	-	-	-	0.01	0.012	563457.07	7914661.7	599.61	9.61	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1921	-	-	-	-	-	0.01	0.012	563488.67	7914645	600.74	10.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1508	-	-	-	-	-	0.05	0.012	563183.64	7914364.9	600.95	10.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	1304	-	-	-	-	-	0.06	0.012	563289.64	7914937.5	664.96	4.96	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_041	218	-	-	-	-	-	-	0.012	563390.63	7914698.4	600.08	10.08	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1635	-	-	-	-	-	0.04	0.012	563416.01	7914578.1	595.36	5.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_011	1302	-	-	-	-	-	-	0.012	563144.13	7914445.5	600.4	10.4	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	600	N1_600_081	1008	-	-	-	-	-	-	0.012	563127.07	7914314.9	609.89	9.89	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	610	N1_610_065	1711	-	-	-	-	-	-	0.012	563070.54	7914194.9	620.79	10.79	WASTE: RED CLAY ALTERATION	NAG
2019	Pit	610	N610075	2505	-	-	-	-	-	-	0.012	563031.75	7914100.8	622.23	12.23	ORE:WASTE	NAG
2019	Pit	590	N590025	1605	-	-	-	-	-	0.08	0.012	563316.44	7914544.6	600.16	10.16	ORE:WASTE	NAG
2019	Pit	580	N1_580_011	1316	-	-	-	-	-	0.05	0.013	563413.8	7914585.6	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	1147	-	-	-	-	-	0.07	0.013	562954.32	7914088.3	610.93	10.93	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2202	-	-	-	-	-	0.36	0.013	563362.6	7914951.6	661.96	2.5	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_048	1615	-	-	-	-	-	0.01	0.013	563383.92	7914540.1	593.44	3.44	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2115	-	-	-	-	-	-	0.013	563114.73	7914257.5	610.85	10.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_065	1805	-	-	-	-	-	-	0.013	563086.1	7914218.2	619.71	9.71	WASTE: RED CLAY ALTERATION	NAG
2019	Pit	580	N1_580_005	1013	-	-	-	-	-	-	0.014	563347.8	7914568.1	590.93	10.93	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	8034	-	-	-	-	-	0.11	0.014	562992.9	7913946.2	620	10	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	600	N1_600_101	1127	-	-	-	-	-	-	0.014	563060.76	7913972.2	608.5	8.5	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N1_590_043	1412	-	-	-	-	-	0.01	0.014	563214.42	7914401.3	599.86	9.86	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4310	-	-	-	-	-	0.01	0.014	563217.15	7914411.5	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1312	-	-	-	-	-	0.01	0.014	563455.26	7914652	599.73	9.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1210	-	-	-	-	-	0.02	0.014	563445.32	7914654.3	600.29	10.29	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1610	-	-	-	-	-	0.01	0.014	563456.13	7914667.9	599.75	9.75	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1211	-	-	-	-	-	0.16	0.014	563203.01	7914365.8	600.62	10.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2200	-	-	-	-	-	0.06	0.014	563137.53	7914232.8	600.19	10.19	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1312	-	-	-	-	-	0.01	0.014	563352.75	7914874.1	667.19	7.19	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_089	1503	-	-	-	-	-	0.01	0.014	563339.32	7914842.3	667.13	7.13	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_043	1815	-	-	-	-	-	0.11	0.014	563217.37	7914379.6	599.79	9.79	ORE:WASTE	NAG
2019	Pit	600	N600085	1201	-	-	-	-	-	-	0.014	563062.48	7914242.5	610.55	10.55	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	600	N600085	2108	-	-	-	-	-	0.07	0.014	563072.26	7914193.5	610.75	10.75	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	590	N1_590_043	1401	-	-	-	-	-	0.08	0.014	563247.54	7914437.7	600.18	10.18	WASTE: TILL	NAG
2019	Pit	590	N590029	1715	-	-	-	-	-	0.04	0.014	563430.61	7914620.4	601.09	11.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1907	-	-	-	-	-	-	0.014	563411.19	7914652.1	600.55	10.55	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1214	-	-	-	-	-	0.12	0.014	563367.55	7914896.6	666.69	6.69	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1309	-	-	-	-	-	0.1	0.014	563357.2	7914911.4	666.18	6.18	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_048	1507	-	-	-	-	-	0.07	0.014	563369.07	7914525.9	593.16	3.16	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1718	-	-	-	-	-	0.03	0.014	563391.05	7914544	594.03	4.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1521	-	-	-	-	-	0.01	0.014	563392.05	7914553.1	594.49	4.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1712	-	-	-	-	-	0.06	0.014	563380.99	7914532	592.91	2.91	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1807	-	-	-	-	-	0.06	0.014	563101.2	7914205.6	599.86	9.86	WASTE	NAG
2019	Pit	590	N590061	1809	-	-	-	-	-	0.05	0.014	563108.17	7914200.9	599.58	9.58	WASTE	NAG
2019	Pit	590	N590023	1519	-	-	-	-	-	0.09	0.014	563262.94	7914455.7	599.99	9.99	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590025	1615	-	-	-	-	-	0.17	0.014	563344.66	7914520.5	602.96	12.96	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1404	-	-	-	-	-	-	0.015	562957.41	7914008.2	621.61	11.61	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1615	-	-	-	-	-	0.08	0.015	563211.1	7914385.5	599.79	9.79	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590031	1110	-	-	-	-	-	0.01	0.015	563441.8	7914652.5	600.25	10.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1411	-	-	-	-	-	0.01	0.015	563454.45	7914658.3	599.66	9.66	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1811	-	-	-	-	-	0.05	0.015	563187.29	7914345.5	601	11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	1319	-	-	-	-	-	-	0.015	563411.02	7914700.7	600.22	10.22	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1814	-	-	-	-	-	-	0.015	563392.03	7914593.9	599.74	9.74	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	660	N1_660_093	2100	-	-	-	-	-	0.44	0.015	563355.24	7914954	661.86	2.5	WASTE: TILL/GNEISS	NAG
2019	Pit	610	N610075	2306	-	-	-	-	-	-	0.015	563039.16	7914106.2	621.76	11.76	ORE:WASTE	NAG
2019	Pit	590	N590061	2007	-	-	-	-	-	0.01	0.016	563096.04	7914198.9	599.26	9.26	WASTE	NAG
2019	Pit	580	N1_580_011	1602	-	-	-	-	-	0.06	0.016	563377.53	7914530.8	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	8030	-	-	-	-	-	0.07	0.016	563004.24	7913936.7	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1405	-	-	-	-	-	0.18	0.016	563235.01	7914426.7	600.09	10.09	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1012	-	-	-	-	-	0.01	0.016	563437.86	7914650.8	600.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1211	-	-	-	-	-	0.01	0.016	563449.19	7914651.6	600.13	10.13	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1510	-	-	-	-	-	0.1	0.016	563191.16	7914358.4	600.44	10.44	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590045	1611	-	-	-	-	-	0.04	0.016	563192.19	7914351.9	600.41	10.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	310	-	-	-	-	-	-	0.016	563378.15	7914686.3	600.18	10.18	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_089	1506	-	-	-	-	-	0.01	0.016	563346.05	7914851.9	667.15	7.15	WASTE	NAG
2019	Pit	660	N1_660_093	1312	-	-	-	-	-	0.01	0.016	563365.44	7914904.3	665.8	5.8	WASTE: TILL/GNEISS	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N1_590_048	1826	-	-	-	-	-	0.01	0.016	563406.01	7914557.8	595.06	5.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	1801	-	-	-	-	-	-	0.016	563147.66	7914460.6	600.01	10.01	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2112	-	-	-	-	-	-	0.016	563123.68	7914267.6	610.7	10.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1712	-	-	-	-	-	-	0.016	563342.22	7914526.3	602.7	12.7	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	714	-	-	-	-	-	-	0.017	563342.81	7914553.8	590.19	10.19	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	313	-	-	-	-	-	-	0.017	563408.19	7914686.7	590.72	10.72	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	222	-	-	-	-	-	-	0.017	563418.33	7914701.9	590.68	10.68	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1045	-	-	-	-	-	-	0.017	562945.23	7913996.4	620.58	10.58	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	600	N1_600_095	259	-	-	-	-	-	0.15	0.017	562945.95	7914089.9	610.97	10.97	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	590	N590029	2113	-	-	-	-	-	0.01	0.017	563437.63	7914643.2	600.74	10.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4201	-	-	-	-	-	0.05	0.017	563237.82	7914437.9	600.42	10.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4205	-	-	-	-	-	0.07	0.017	563227.77	7914427	600.5	10.5	ORE:WASTE	NAG
2019	Pit	590	N590045	1609	-	-	-	-	-	0.38	0.017	563185.31	7914359	600.54	10.54	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1714	-	-	-	-	-	0.03	0.017	563383.89	7914536.1	593.17	3.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1821	-	-	-	-	-	0.1	0.017	563267.62	7914441.9	599.41	9.41	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1304	-	-	-	-	-	0.07	0.017	563305.44	7914537.9	600.04	10.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1015	-	-	-	-	-	-	0.018	563377.76	7914633.6	589.94	9.94	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	224	-	-	-	-	-	-	0.018	563423.41	7914702.2	591.15	11.15	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_101	1620	-	-	-	-	-	-	0.018	563027.61	7913973.5	610.85	12.35	ORE:WASTE: HEMATITE/RED CLAY ALTERATION	NAG
2019	Pit	590	N590045	1007	-	-	-	-	-	0.08	0.018	563194.53	7914383.8	600.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1904	-	-	-	-	-	-	0.018	563362.52	7914621	600.77	10.77	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	590	N590027	1213	-	-	-	-	-	0.06	0.018	563376.97	7914572.6	600.22	10.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1608	-	-	-	-	-	0.14	0.018	563082.95	7914211.9	610.12	10.12	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	2315	-	-	-	-	-	0.06	0.018	563442.65	7914637.3	600.55	10.55	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1808	-	-	-	-	-	0.08	0.018	563376.98	7914523	592.63	2.63	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1817	-	-	-	-	-	0.01	0.018	563391.1	7914540	593.6	3.6	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1610	-	-	-	-	-	0.07	0.018	563375.9	7914530	592.8	2.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2111	-	-	-	-	-	-	0.018	563126.39	7914271.6	610.8	10.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2113	-	-	-	-	-	-	0.018	563120.76	7914264.6	610.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	5036	-	-	-	-	-	-	0.018	563113.04	7914329.2	610.44	10.44	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2317	-	-	-	-	-	0.06	0.018	563364.24	7914537.4	603.83	13.83	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	1153	-	-	-	-	-	0.12	0.019	562942.15	7914062.8	611.67	11.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4200	-	-	-	-	-	0.07	0.019	563240.14	7914440.7	600.37	10.37	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1308	-	-	-	-	-	0.09	0.019	563189.7	7914371.1	600.49	10.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1804	-	-	-	-	-	-	0.019	563359.77	7914617.9	600.77	10.77	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	660	N1_660_093	2103	-	-	-	-	-	0.34	0.019	563362.67	7914946.7	662.59	2.59	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_048	1944	-	-	-	-	-	0.01	0.019	563436.54	7914589.7	594.68	4.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1620	-	-	-	-	-	0.1	0.019	563392.07	7914549.1	594.28	4.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	5034	-	-	-	-	-	-	0.019	563119.24	7914334.9	610.4	10.4	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	3206	-	-	-	-	-	0.01	0.02	563302.78	7914774.5	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_009	2703	-	-	-	-	-	0.06	0.02	563450.92	7914658.1	589.58	9.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	327	-	-	-	-	-	0.02	0.02	563453.78	7914662.6	589.81	9.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	1114	-	-	-	-	-	0.01	0.02	563145.19	7914649.2	673.89	6.89	WASTE	NAG
2019	Pit	667	N1_667_061	4056	-	-	-	-	-	0.01	0.02	563137.71	7914647.1	673.88	6.88	WASTE	NAG
2019	Pit	667	N1_667_061	4051	-	-	-	-	-	0.03	0.02	563148.48	7914657	674.36	7.36	WASTE	NAG
2019	Pit	667	N1_667_061	4007	-	-	-	-	-	0.01	0.02	563153.52	7914629.6	674.11	7.11	WASTE	NAG
2019	Pit	580	N1_580_011	1418	-	-	-	-	-	0.04	0.02	563424.12	7914588.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1034	-	-	-	-	-	0.01	0.02	563325.38	7914549.1	590.12	10.12	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	580	N1_580_017	1824	-	-	-	-	-	0.05	0.02	563350.1	7914517.1	589.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1319	-	-	-	-	-	0.01	0.02	563314.27	7914514	589.95	9.95	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1204	-	-	-	-	-	0.05	0.02	563262.85	7914458.5	589.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1416	-	-	-	-	-	0.03	0.02	563308.31	7914498.4	589.41	9.41	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1303	-	-	-	-	-	0.02	0.02	563264.22	7914452.2	589.83	9.83	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1505	-	-	-	-	-	0.03	0.02	563277.63	7914452.7	589.32	9.32	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1617	-	-	-	-	-	0.13	0.02	562986.07	7913956.5	621.38	11.38	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1515	-	-	-	-	-	0.01	0.02	562984.09	7913965.9	621.41	11.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1416	-	-	-	-	-	0.01	0.02	562989.88	7913965.3	621.73	11.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1610	-	-	-	-	-	0.01	0.02	562966.7	7913981.9	621.31	11.31	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	610	N1_610_089	1507	-	-	-	-	-	0.08	0.02	562961.56	7913995.4	620.91	10.91	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4001	-	-	-	-	-	0.02	0.02	563233.58	7914442.1	600.42	10.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1714	-	-	-	-	-	0.03	0.02	563217.28	7914386	599.59	9.59	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590031	1620	-	-	-	-	-	0.05	0.02	563479.18	7914641.1	600.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1712	-	-	-	-	-	0.1	0.02	563193.23	7914346.2	600.79	10.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	2704	-	-	-	-	-	0.33	0.02	563271.17	7914534	589.81	9.81	WASTE	NAG
2019	Pit	660	N1_660_091	2808	-	-	-	-	-	0.03	0.02	563330.86	7914960.2	662.38	2.5	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_047	1610	-	-	-	-	-	0.07	0.02	563168.04	7914311	601.6	11.6	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_039	1210	-	-	-	-	-	-	0.02	563330.66	7914627.3	601.05	11.05	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	212	-	-	-	-	-	-	0.02	563372.66	7914686.2	599.93	9.93	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1509	-	-	-	-	-	0.01	0.02	563352.25	7914861.8	667.17	7.17	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	600	N600085	1313	-	-	-	-	-	0.04	0.02	563101	7914217.3	609.84	9.84	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N600085	1310	-	-	-	-	-	0.11	0.02	563097.45	7914219.5	609.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2016	-	-	-	-	-	0.1	0.02	563095.48	7914188.9	609.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2116	-	-	-	-	-	0.06	0.02	563093.5	7914185.1	610.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2015	-	-	-	-	-	0.09	0.02	563091.75	7914190.6	610.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1910	-	-	-	-	-	0.01	0.02	563085.26	7914196.6	609.77	9.77	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1410	-	-	-	-	-	0.03	0.02	563094.89	7914215.3	609.63	9.63	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1508	-	-	-	-	-	0.06	0.02	563084.98	7914216.6	610.02	10.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1610	-	-	-	-	-	0.04	0.02	563090.89	7914207.6	609.37	9.37	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1509	-	-	-	-	-	0.06	0.02	563088.35	7914214.4	610.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1510	-	-	-	-	-	0.04	0.02	563093.14	7914211.8	609.39	9.39	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1507	-	-	-	-	-	0.14	0.02	563081.11	7914218.2	610.22	10.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1710	-	-	-	-	-	0.02	0.02	563088.93	7914204.2	609.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2215	-	-	-	-	-	0.07	0.02	563088.24	7914183.3	609.98	9.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1707	-	-	-	-	-	0.07	0.02	563076.67	7914210.6	610.26	10.26	WASTE/ORE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	600	N600085	1908	-	-	-	-	-	-	0.02	563076.85	7914200.9	610.45	10.45	ORE/WASTE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	590	N590029	1515	-	-	-	-	-	0.06	0.02	563426.05	7914615	600.68	10.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1301	-	-	-	-	-	0.06	0.02	563141.19	7914270.1	601.28	11.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1202	-	-	-	-	-	0.01	0.02	563139.51	7914276	600.65	10.65	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1600	-	-	-	-	-	0.06	0.02	563140.97	7914258	600.9	10.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1113	-	-	-	-	-	0.01	0.02	563362.34	7914896.2	666.71	6.71	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1414	-	-	-	-	-	0.19	0.02	563371.99	7914901.7	666.07	6.07	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1412	-	-	-	-	-	0.21	0.02	563366.58	7914906.2	665.69	5.69	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_050	1500	-	-	-	-	-	0.01	0.02	563466.79	7914671.4	599.36	9.36	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	660	N1_660_093	1416	-	-	-	-	-	0.01	0.02	563377.31	7914896.9	666.77	6.77	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1606	-	-	-	-	-	0.43	0.02	563357.54	7914926.5	664.79	4.79	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1508	-	-	-	-	-	0.08	0.02	563359.96	7914919.1	665.23	5.23	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1502	-	-	-	-	-	0.16	0.02	563345.21	7914933.3	665.11	5.11	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	2004	-	-	-	-	-	0.16	0.02	563362.44	7914941.4	663.33	3.33	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1807	-	-	-	-	-	0.23	0.02	563364.81	7914929.2	664.51	4.51	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1804	-	-	-	-	-	0.11	0.02	563357.59	7914936.5	663.7	3.7	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1306	-	-	-	-	-	0.03	0.02	563350.11	7914919.1	666.67	6.67	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1217	-	-	-	-	-	0.12	0.02	563374.68	7914889.3	667.38	7.38	WASTE: TILL/GNEISS	NAG
2019	Pit	610	N1_610_059	207	-	-	-	-	-	0.01	0.02	562984.47	7914214.5	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_061	301	-	-	-	-	-	0.01	0.02	562984.83	7914207.2	620.16	10.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_061	204	-	-	-	-	-	0.01	0.02	562977.69	7914199.3	620.24	10.24	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N1_600_081	1010	-	-	-	-	-	0.08	0.02	563095.65	7914306.2	610.55	10.55	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	600	N1_600_081	1904	-	-	-	-	-	0.05	0.02	563141.85	7914301.2	610.37	10.37	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	600	N1_600_081	1605	-	-	-	-	-	0.09	0.02	563130.69	7914305.9	610.4	10.4	ORE: WASTE	NAG
2019	Pit	600	N1_600_053	1315	-	-	-	-	-	0.12	0.02	563440.28	7914655.4	609.15	9.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1026	-	-	-	-	-	0.01	0.02	563483.32	7914679.7	610.27	10.27	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1121	-	-	-	-	-	0.08	0.02	563464.5	7914667.3	609.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1607	-	-	-	-	-	0.07	0.02	563402.3	7914638.6	609.51	9.51	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1117	-	-	-	-	-	0.06	0.02	563450.18	7914653.5	609.41	9.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1214	-	-	-	-	-	0.08	0.02	563439.8	7914648.3	608.9	8.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1218	-	-	-	-	-	0.1	0.02	563452.89	7914661.8	609.43	9.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1119	-	-	-	-	-	0.05	0.02	563457.11	7914660.4	609.49	9.49	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	600	N1_600_053	1115	-	-	-	-	-	0.06	0.02	563444.33	7914647.6	608.93	8.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1212	-	-	-	-	-	0.08	0.02	563432.72	7914641.2	608.67	8.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1012	-	-	-	-	-	0.02	0.02	563437.2	7914634.6	608.53	8.53	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1113	-	-	-	-	-	0.01	0.02	563437.94	7914641	608.88	8.88	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1216	-	-	-	-	-	0.1	0.02	563446.9	7914655.1	609.17	9.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1010	-	-	-	-	-	0.03	0.02	563430.55	7914628.1	608.45	8.45	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_021	1212	-	-	-	-	-	0.13	0.02	563187.69	7914413.1	599.89	9.89	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_079	1729	-	-	-	-	-	0.06	0.02	563152.8	7914346.2	610.46	10.46	WASTE/ORE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	600	N1_600_079	1529	-	-	-	-	-	0.07	0.02	563158.78	7914339.2	609.33	9.33	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1728	-	-	-	-	-	0.08	0.02	563155.62	7914349.3	610.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1527	-	-	-	-	-	0.14	0.02	563165.1	7914345.5	609.24	9.24	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	1608	-	-	-	-	-	0.01	0.02	563302.75	7914542	589.86	9.86	ORE/WASTE: HEMATITE/BIF	NAG
2019	Pit	590	N590023	1021	-	-	-	-	-	0.06	0.02	563241.78	7914460.9	599.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1212	-	-	-	-	-	0.13	0.02	563270.47	7914487.1	599.98	9.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1616	-	-	-	-	-	0.02	0.02	563273.39	7914463.8	599.71	9.71	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1505	-	-	-	-	-	0.1	0.02	563313.84	7914541.6	600.17	10.17	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_005	1606	-	-	-	-	-	-	0.021	563343.7	7914602	590.3	10.3	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1913	-	-	-	-	-	-	0.021	563394.35	7914670.5	589.99	9.99	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	2004	-	-	-	-	-	-	0.021	563365.03	7914625.1	600.77	10.77	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	590	N590027	1113	-	-	-	-	-	0.06	0.021	563373.36	7914568.8	599.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1112	-	-	-	-	-	0.14	0.021	563329.58	7914509.8	602.69	12.69	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1804	-	-	-	-	-	0.07	0.022	563088.98	7914213	599.71	9.71	WASTE	NAG
2019	Pit	590	N1_590_043	7021	-	-	-	-	-	0.02	0.022	563201.26	7914396.2	600.24	10.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1413	-	-	-	-	-	-	0.022	563204.66	7914352.9	600.42	10.42	ORE: WASTE	NAG
2019	Pit	590	N590045	1407	-	-	-	-	-	0.1	0.022	563183.51	7914370.7	600.4	10.4	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	1103	-	-	-	-	-	-	0.022	563428.92	7914711.4	600.01	10.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	5033	-	-	-	-	-	-	0.022	563123.03	7914337.5	610.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1703	-	-	-	-	-	-	0.022	563309.31	7914507	600.39	10.39	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1909	-	-	-	-	-	0.07	0.022	563106.13	7914197	599.37	9.37	WASTE	NAG
2019	Pit	590	N590025	1504	-	-	-	-	-	-	0.022	563310.12	7914544.3	600.27	10.27	ORE: WASTE	NAG
2019	Pit	590	N590023	2008	-	-	-	-	-	0.12	0.022	563306.56	7914482.5	600.88	10.88	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590023	2102	-	-	-	-	-	0.07	0.022	563324.04	7914501.3	601.9	11.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1108	-	-	-	-	-	0.08	0.022	563316.2	7914520.8	600.01	10.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	317	-	-	-	-	-	-	0.023	563421.84	7914699.5	590.76	10.76	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_011	1607	-	-	-	-	-	0.04	0.023	563393.09	7914547.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1111	-	-	-	-	-	-	0.023	563309.04	7914593.3	579.67	9.67	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	610	N1_610_094	1039	-	-	-	-	-	-	0.023	563047.69	7913917.7	612.27	2.5	WASTE	NAG
2019	Pit	590	N1_590_047	1313	-	-	-	-	-	-	0.023	563186.45	7914315	600.78	10.78	ORE: WASTE (See comments)	NAG
2019	Pit	600	N600085	1709	-	-	-	-	-	0.04	0.023	563085	7914206.4	609.82	9.82	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1605	-	-	-	-	-	0.06	0.023	563367.94	7914521.1	592.85	2.85	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1805	-	-	-	-	-	0.04	0.023	563136.11	7914299.9	610.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1213	-	-	-	-	-	0.08	0.023	563334.24	7914510.7	602.73	12.73	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1903	-	-	-	-	-	-	0.024	563339.96	7914619.9	589.67	9.67	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1706	-	-	-	-	-	-	0.024	563408.95	7914640.3	590.15	10.15	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	220	-	-	-	-	-	-	0.024	563413.56	7914696.3	590.91	10.91	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1512	-	-	-	-	-	0.01	0.024	563110.53	7914213.9	600.17	10.17	WASTE	NAG
2019	Pit	600	N1_600_095	351	-	-	-	-	-	0.15	0.024	562936.51	7914059.3	611.67	11.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1109	-	-	-	-	-	0.01	0.024	563438.77	7914654.8	600.41	10.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	310	-	-	-	-	-	-	0.024	563271.14	7914590.7	601.69	11.69	ORE/WASTE: HEMATITE/BIF	NAG
2019	Pit	590	N1_590_041	214	-	-	-	-	-	-	0.024	563378.8	7914690.3	600.04	10.04	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N600085	1609	-	-	-	-	-	0.06	0.024	563086.77	7914209.8	609.61	9.61	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	2214	-	-	-	-	-	0.06	0.024	563438.33	7914637.3	600.54	10.54	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2205	-	-	-	-	-	0.12	0.024	563370.22	7914944	663.33	3.33	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_048	1940	-	-	-	-	-	0.05	0.024	563430.07	7914583	594.78	4.78	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	1611	-	-	-	-	-	-	0.024	563205.8	7914475.6	600.32	10.32	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	2103	-	-	-	-	-	0.08	0.024	563321.43	7914498.2	601.63	11.63	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2014	-	-	-	-	-	0.08	0.024	563352.75	7914531.7	604.09	14.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_094	1039	-	-	-	-	-	-	0.025	563047.69	7913917.7	612.27	2.5	WASTE	NAG

Notes:
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Table E.6.3: Deposit No.1 Waste Rock - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590045	1207	-	-	-	-	-	0.09	0.025	563188.85	7914377.2	600.67	10.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1212	-	-	-	-	-	-	0.025	563184.88	7914320.9	600.89	10.89	ORE/WASTE (See comments)	NAG
2019	Pit	590	N590027	1109	-	-	-	-	-	-	0.025	563359.76	7914579.3	600.04	10.04	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1820	-	-	-	-	-	0.04	0.025	563396.07	7914546	594.23	4.23	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1704	-	-	-	-	-	-	0.025	563306.8	7914503.5	600.37	10.37	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1405	-	-	-	-	-	-	0.025	563402.18	7914625.1	609.43	9.43	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_021	1111	-	-	-	-	-	-	0.025	563180.76	7914413.1	600.31	10.31	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2800	-	-	-	-	-	0.09	0.025	563320.99	7914590.4	600.61	10.61	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1322	-	-	-	-	-	0.07	0.025	563249.06	7914449.5	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	2002	-	-	-	-	-	0.06	0.025	563321.58	7914503.5	601.54	11.54	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1210	-	-	-	-	-	-	0.026	563381.51	7914641.4	590.13	10.13	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1012	-	-	-	-	-	0.09	0.026	563132.79	7914225.8	599.58	9.58	WASTE	NAG
2019	Pit	590	N590031	1711	-	-	-	-	-	0.01	0.026	563462.34	7914668.4	599.48	9.48	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	1710	-	-	-	-	-	-	0.026	563312.13	7914931.8	664.97	4.97	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590029	1818	-	-	-	-	-	0.02	0.026	563438.78	7914617.4	602.18	12.18	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	2013	-	-	-	-	-	0.01	0.026	563435.06	7914640.2	600.67	10.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	204	-	-	-	-	-	-	0.026	563310.5	7914618.1	590.08	10.08	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_021	1307	-	-	-	-	-	-	0.026	563175.15	7914393.6	599.6	9.6	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590025	2515	-	-	-	-	-	0.07	0.026	563366.49	7914544.2	604.08	14.08	WASTE/ORE: LIMONITE/HEMATITE	NAG
2019	Pit	590	N590023	1818	-	-	-	-	-	0.06	0.026	563275.34	7914452.5	599.2	9.2	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590025	1913	-	-	-	-	-	0.06	0.026	563349.29	7914529.8	604.42	14.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2307	-	-	-	-	-	0.11	0.026	563339.47	7914561.6	600.57	10.57	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2518	-	-	-	-	-	0.11	0.027	562994.68	7913948.9	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1409	-	-	-	-	-	0.02	0.027	563447.21	7914664.1	600.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1611	-	-	-	-	-	0.01	0.027	563459.72	7914665.1	599.46	9.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1416	-	-	-	-	-	0.01	0.027	563464.28	7914645	600.89	10.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1710	-	-	-	-	-	0.06	0.027	563186.31	7914352.2	600.61	10.61	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1814	-	-	-	-	-	0.07	0.027	563430.01	7914626.3	600.4	10.4	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1205	-	-	-	-	-	0.08	0.027	563345.32	7914919	666.6	6.6	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590025	2313	-	-	-	-	-	0.03	0.027	563357.16	7914542.5	603.28	13.28	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1904	-	-	-	-	-	-	0.028	563344.06	7914616.5	589.35	9.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	2604	-	-	-	-	-	-	0.028	563361.88	7914638.3	590.28	10.28	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	580	N1_580_011	1414	-	-	-	-	-	0.02	0.028	563409.76	7914575.5	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_001	1507	-	-	-	-	-	-	0.028	563356.61	7914619.4	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	1404	-	-	-	-	-	0.11	0.028	563238.55	7914429.6	600.04	10.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	7003	-	-	-	-	-	0.04	0.028	563229.12	7914440	600.38	10.38	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	1321	-	-	-	-	-	-	0.028	563417.09	7914707.6	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1807	-	-	-	-	-	0.05	0.028	563074.65	7914206.7	610.38	10.38	ORE/WASTE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	590	N1_590_051	2801	-	-	-	-	-	-	0.028	563470.96	7914766.1	601.01	11.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2007	-	-	-	-	-	0.53	0.028	563369.77	7914934.2	664.08	4.08	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1602	-	-	-	-	-	0.09	0.028	563308.67	7914512.7	600.17	10.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1905	-	-	-	-	-	0.09	0.028	563089.97	7914206.9	599.43	9.43	WASTE	NAG
2019	Pit	590	N590023	1421	-	-	-	-	-	0.02	0.028	563255.56	7914451.7	599.95	9.95	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1712	-	-	-	-	-	0.05	0.028	563286.71	7914475.6	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1819	-	-	-	-	-	0.11	0.028	563272.64	7914448.7	599.23	9.23	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	2003	-	-	-	-	-	0.05	0.028	563319.04	7914500	601.45	11.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	2104	-	-	-	-	-	0.07	0.028	563319	7914494.8	601.51	11.51	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1205	-	-	-	-	-	0.09	0.028	563306.91	7914531.9	599.97	9.97	ORE: WASTE	NAG
2019	Pit	590	N590025	1401	-	-	-	-	-	0.08	0.028	563296.61	7914549.2	600.46	10.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1406	-	-	-	-	-	-	0.029	563398.42	7914632.3	589.7	9.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1315	-	-	-	-	-	0.01	0.029	563459.37	7914645.3	601.06	11.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_049	1903	-	-	-	-	-	-	0.029	563465.73	7914722.9	600.24	10.24	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_041	1019	-	-	-	-	-	0.01	0.029	563409.3	7914693.7	600.4	10.4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2110	-	-	-	-	-	0.03	0.029	563080.79	7914188.7	610.18	10.18	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1212	-	-	-	-	-	0.11	0.029	563332.01	7914512.1	602.86	12.86	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	3713	-	-	-	-	-	0.01	0.03	563313.72	7914806.4	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_095	1606	-	-	-	-	-	0.01	0.03	563246.26	7914774.9	667.27	7.27	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_007	1106	-	-	-	-	-	0.01	0.03	563389.2	7914623.8	590.42	10.42	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	660	N1_660_097	3215	-	-	-	-	-	0.01	0.03	563330.25	7914801.6	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3313	-	-	-	-	-	0.01	0.03	563321.65	7914798.1	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	2209	-	-	-	-	-	0.01	0.03	563278.39	7914764	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3408	-	-	-	-	-	0.01	0.03	563303.97	7914785.5	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3416	-	-	-	-	-	0.01	0.03	563328.52	7914809.6	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	2407	-	-	-	-	-	0.01	0.03	563276.95	7914750.3	667	7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	237	-	-	-	-	-	0.04	0.03	563454.24	7914665.7	590.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2704	-	-	-	-	-	0.06	0.03	563447.84	7914661.4	589.8	9.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2504	-	-	-	-	-	0.06	0.03	563441.27	7914656	589.83	9.83	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	1506	-	-	-	-	-	0.01	0.03	563177.53	7914660.2	673.82	6.82	WASTE	NAG
2019	Pit	590	N1_590_061	1306	-	-	-	-	-	0.17	0.03	563107.01	7914226.1	600.65	10.65	WASTE	NAG
2019	Pit	667	N1_667_061	4010	-	-	-	-	-	0.02	0.03	563160.31	7914635.3	673.96	6.96	WASTE	NAG
2019	Pit	580	N1_580_017	1725	-	-	-	-	-	0.04	0.03	563348.79	7914524	589.88	9.88	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1045	-	-	-	-	-	0.05	0.03	563358.98	7914525.1	590.51	10.51	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1826	-	-	-	-	-	0.13	0.03	563355.75	7914524	590.34	10.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1036	-	-	-	-	-	0.03	0.03	563332.85	7914547.5	590.56	10.56	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	580	N1_580_017	1202	-	-	-	-	-	0.03	0.03	563256.26	7914450.7	589.68	9.68	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1200	-	-	-	-	-	0.04	0.03	563250.2	7914443.2	590.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1002	-	-	-	-	-	0.05	0.03	563247.46	7914455.1	589.96	9.96	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1216	-	-	-	-	-	0.05	0.03	563459.89	7914640.6	601.24	11.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1112	-	-	-	-	-	-	0.03	563209.23	7914366.1	599.9	9.9	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	2805	-	-	-	-	-	0.52	0.03	563275.56	7914535.2	589.75	9.75	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	2812	-	-	-	-	-	0.17	0.03	563339.98	7914950.8	662.93	2.93	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_047	1206	-	-	-	-	-	0.05	0.03	563161.51	7914334.7	601.03	11.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1307	-	-	-	-	-	0.04	0.03	563162.69	7914328.7	601.15	11.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1511	-	-	-	-	-	0.23	0.03	563174.99	7914311.7	600.63	10.63	ORE/WASTE (See comments)	NAG
2019	Pit	590	N1_590_047	2109	-	-	-	-	-	0.05	0.03	563153.35	7914294.1	600.95	10.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2200	-	-	-	-	-	0.05	0.03	563116.25	7914311.9	601.65	11.65	WASTE/ORE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	590	N1_590_059	1800	-	-	-	-	-	0.01	0.03	563137.36	7914251.1	600.76	10.76	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1515	-	-	-	-	-	0.01	0.03	563363.45	7914880.7	667.08	7.08	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590027	7013	-	-	-	-	-	0.01	0.03	563410.54	7914592	603.02	13.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	8002	-	-	-	-	-	0.01	0.03	563383.63	7914563.4	600.95	10.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1715	-	-	-	-	-	0.06	0.03	563098.3	7914201.2	609.86	9.86	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2014	-	-	-	-	-	0.09	0.03	563088.56	7914192.7	609.56	9.56	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2216	-	-	-	-	-	0.03	0.03	563091.21	7914180.6	610.02	10.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1216	-	-	-	-	-	0.04	0.03	563422.96	7914604	601.17	11.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	205	-	-	-	-	-	-	0.03	563423.41	7914732.8	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1200	-	-	-	-	-	0.02	0.03	563145.19	7914272.6	600.8	10.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1116	-	-	-	-	-	0.01	0.03	563369.99	7914889.4	667.17	7.17	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1810	-	-	-	-	-	0.39	0.03	563373.1	7914922.1	664.9	4.9	WASTE: TILL/GNEISS	NAG
2019	Pit	610	N1_610_061	302	-	-	-	-	-	0.01	0.03	562982.38	7914202.9	620.04	10.04	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	600	N1_600_053	1423	-	-	-	-	-	0.05	0.03	563462.64	7914684.6	610.18	10.18	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1425	-	-	-	-	-	0.02	0.03	563469.49	7914691.4	610.05	10.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1707	-	-	-	-	-	0.15	0.03	563126.77	7914296.3	610.19	10.19	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1223	-	-	-	-	-	0.19	0.03	563469.8	7914677.6	609.85	9.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1123	-	-	-	-	-	0.01	0.03	563471.51	7914674.3	609.94	9.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1225	-	-	-	-	-	0.04	0.03	563476.23	7914684.2	610.01	10.01	WASTE: RED CLAY ALTERATION	NAG
2019	Pit	600	N1_600_053	1210	-	-	-	-	-	0.03	0.03	563426.09	7914634.8	608.56	8.56	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1006	-	-	-	-	-	0.04	0.03	563417.43	7914615.2	608.97	8.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1220	-	-	-	-	-	0.05	0.03	563459.2	7914668.4	609.83	9.83	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_021	1412	-	-	-	-	-	0.01	0.03	563194.56	7914407.9	599.65	9.65	WASTE: LIMONITE	NAG
2019	Pit	590	N1_590_021	1008	-	-	-	-	-	0.01	0.03	563168.31	7914405.6	600.09	10.09	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590023	1112	-	-	-	-	-	0.11	0.03	563267.37	7914489.4	600.1	10.1	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1022	-	-	-	-	-	0.14	0.03	563240.03	7914458.1	599.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1404	-	-	-	-	-	-	0.03	563307.69	7914541.1	600.21	10.21	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1321	-	-	-	-	-	-	0.031	563320.58	7914521.4	589.97	9.97	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1719	-	-	-	-	-	0.01	0.031	563478.8	7914645.3	600.71	10.71	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	1012	-	-	-	-	-	-	0.031	563392.25	7914671.8	600.34	10.34	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	208	-	-	-	-	-	-	0.031	563430.88	7914741	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590061	2011	-	-	-	-	-	0.08	0.031	563111.85	7914189.1	599.11	9.11	WASTE	NAG
2019	Pit	590	N590023	1705	-	-	-	-	-	0.06	0.031	563304.28	7914500	600.43	10.43	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2716	-	-	-	-	-	0.13	0.032	563008.27	7913947.3	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	3040	-	-	-	-	-	0.08	0.032	563237.54	7914449.9	600.08	10.08	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1010	-	-	-	-	-	0.01	0.032	563434.36	7914653.7	600.41	10.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1911	-	-	-	-	-	0.07	0.032	563184.44	7914342.3	601.14	11.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1701	-	-	-	-	-	-	0.032	563133.23	7914254.7	600.89	10.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2200	-	-	-	-	-	-	0.032	563293.01	7914584.3	589.7	9.7	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_048	1843	-	-	-	-	-	0.1	0.032	563433.02	7914590	594.43	4.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1105	-	-	-	-	-	-	0.032	563284.84	7914514	600.08	10.08	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1517	-	-	-	-	-	0.24	0.032	563267.56	7914462.6	599.89	9.89	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1113	-	-	-	-	-	0.12	0.032	563332.09	7914508	602.5	12.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	202	-	-	-	-	-	-	0.033	563360.31	7914656.8	590.24	10.24	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1418	-	-	-	-	-	0.02	0.033	563470.07	7914640	600.49	10.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1202	-	-	-	-	-	0.14	0.033	563337.25	7914926.2	665.83	5.83	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N1_590_009	1511	-	-	-	-	-	-	0.033	563203.54	7914471.6	600.38	10.38	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	1510	-	-	-	-	-	-	0.033	563199.21	7914472.8	600.51	10.51	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	308	-	-	-	-	-	-	0.034	563330.97	7914631	589.84	9.84	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	2108	-	-	-	-	-	0.02	0.034	563243.26	7914465.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1218	-	-	-	-	-	0.18	0.034	563464.97	7914635.9	600.12	10.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1211	-	-	-	-	-	0.04	0.034	563360.27	7914904.2	666.09	6.09	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1615	-	-	-	-	-	0.14	0.034	563276.3	7914468.1	599.75	9.75	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1208	-	-	-	-	-	0.1	0.034	563317.86	7914524	600.04	10.04	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1901	-	-	-	-	-	-	0.035	563332.85	7914626	589.64	9.64	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1510	-	-	-	-	-	0.03	0.035	563453.48	7914664.6	599.85	9.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N610075	2404	-	-	-	-	-	-	0.035	563031.19	7914105.9	622.16	12.16	ORE:WASTE	NAG
2019	Pit	590	N590023	1321	-	-	-	-	-	0.04	0.035	563251.63	7914453.7	599.9	9.9	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1424	-	-	-	-	-	-	0.036	563333.84	7914529.3	590.12	10.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1915	-	-	-	-	-	0.01	0.036	563471.54	7914659.6	602.37	12.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1202	-	-	-	-	-	-	0.036	563375.05	7914641.5	600.24	10.24	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1303	-	-	-	-	-	-	0.036	563379.39	7914643	600.42	10.42	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1913	-	-	-	-	-	0.01	0.036	563432.84	7914636.3	600.63	10.63	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1804	-	-	-	-	-	0.06	0.036	563139.34	7914303.1	610.44	10.44	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2806	-	-	-	-	-	0.04	0.036	563341.77	7914575.4	600.32	10.32	ORE:WASTE	NAG
2019	Pit	590	N590027	1000	-	-	-	-	-	0.07	0.036	563326.72	7914598.8	600.51	10.51	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1309	-	-	-	-	-	0.01	0.037	563444.49	7914660.6	600.27	10.27	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	302	-	-	-	-	-	-	0.037	563309.61	7914612.2	590.37	10.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2301	-	-	-	-	-	-	0.037	563299.75	7914585	590.1	10.1	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1203	-	-	-	-	-	0.02	0.037	563298.87	7914537.7	600.17	10.17	ORE:WASTE	NAG
2019	Pit	590	N590025	1204	-	-	-	-	-	0.09	0.037	563302.87	7914534.6	600.07	10.07	WASTE/ORE: LIMONITE/MAGNETITE	NAG
2019	Pit	590	N1_590_059	2205	-	-	-	-	-	0.05	0.038	563117.1	7914244	600.62	10.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1301	-	-	-	-	-	0.01	0.038	563060.54	7914239.1	610.65	10.65	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	590	N1_590_051	2800	-	-	-	-	-	-	0.038	563467.64	7914769.1	600.85	10.85	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1204	-	-	-	-	-	-	0.038	563327.45	7914595.2	590.34	10.34	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	4005	-	-	-	-	-	0.02	0.038	563386.95	7914903.4	666.26	6.26	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590061	1607	-	-	-	-	-	0.02	0.038	563105.03	7914213.3	600.05	10.05	WASTE	NAG
2019	Pit	590	N590023	1614	-	-	-	-	-	0.16	0.038	563279.32	7914471.9	599.89	9.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1012	-	-	-	-	-	0.09	0.038	563327.11	7914507.2	602.34	12.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1119	-	-	-	-	-	-	0.039	563305.95	7914520.3	589.62	9.62	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	590	N1_590_043	1502	-	-	-	-	-	0.51	0.039	563248.25	7914432.4	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1304	-	-	-	-	-	-	0.039	563329.55	7914598.4	590.33	10.33	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_095	1704	-	-	-	-	-	0.03	0.04	563242.47	7914763.7	667.43	7.43	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_007	202	-	-	-	-	-	-	0.04	563360.31	7914656.8	590.24	10.24	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	203	-	-	-	-	-	-	0.04	563363.24	7914659.2	590.03	10.03	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	3410	-	-	-	-	-	0.01	0.04	563310.17	7914791.7	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3208	-	-	-	-	-	0.01	0.04	563308.78	7914780.5	667	7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	3211	-	-	-	-	-	0.01	0.04	563318.04	7914789.5	667	7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2410	-	-	-	-	-	0.01	0.04	563288.69	7914762.1	667	7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2403	-	-	-	-	-	0.03	0.04	563440.71	7914649.7	589.63	9.63	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_009	2404	-	-	-	-	-	0.03	0.04	563438.04	7914653.6	589.97	9.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	240	-	-	-	-	-	0.11	0.04	563460.93	7914657.9	590.09	10.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	1512	-	-	-	-	-	0.01	0.04	563159.78	7914643.6	674.34	7.34	WASTE	NAG
2019	Pit	667	N1_667_061	1509	-	-	-	-	-	0.01	0.04	563168.99	7914652.6	673.66	6.66	WASTE	NAG
2019	Pit	580	N1_580_013	1609	-	-	-	-	-	0.05	0.04	563261.13	7914479.7	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	2209	-	-	-	-	-	0.05	0.04	563243.94	7914459.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_015	1514	-	-	-	-	-	-	0.04	563266.66	7914526.8	583.94	3.94	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1030	-	-	-	-	-	0.01	0.04	563314.51	7914537.2	589.71	9.71	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1113	-	-	-	-	-	0.01	0.04	563287.1	7914496	589.07	9.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1309	-	-	-	-	-	0.41	0.04	563282.7	7914474.6	589.69	9.69	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1307	-	-	-	-	-	0.05	0.04	563276.33	7914466.7	589.6	9.6	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1000	-	-	-	-	-	0.05	0.04	563242.78	7914449.2	590.34	10.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1305	-	-	-	-	-	0.02	0.04	563270.48	7914459.2	589.6	9.6	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	570	N1_570_005	1210	-	-	-	-	-	0.08	0.04	563300.18	7914516.9	580.16	10.16	WASTE: BIF	NAG
2019	Pit	610	N1_610_094	2078	-	-	-	-	-	0.15	0.04	562949.99	7913972.8	614.63	4.63	WASTE	NAG
2019	Pit	590	N590031	1300	-	-	-	-	-	-	0.04	563411.94	7914686.3	600.76	10.76	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1709	-	-	-	-	-	0.13	0.04	563162.13	7914309	601.41	11.41	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N1_590_047	1208	-	-	-	-	-	0.03	0.04	563169.09	7914330.1	601.2	11.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1107	-	-	-	-	-	0.05	0.04	563166.45	7914335.8	601.14	11.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1406	-	-	-	-	-	0.17	0.04	563156.66	7914327.3	601.28	11.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1608	-	-	-	-	-	0.05	0.04	563160.45	7914315.6	601.15	11.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1707	-	-	-	-	-	0.08	0.04	563154.29	7914314.2	601.2	11.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1808	-	-	-	-	-	0.02	0.04	563155.59	7914308.5	601.05	11.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1909	-	-	-	-	-	0.08	0.04	563157.63	7914301.9	600.97	10.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2410	-	-	-	-	-	0.06	0.04	563148.66	7914281.8	601.42	11.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6002	-	-	-	-	-	0.01	0.04	563385.58	7914561.5	600.73	10.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1115	-	-	-	-	-	0.02	0.04	563379.45	7914563.3	600	10	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	600	N600085	1810	-	-	-	-	-	0.01	0.04	563086.7	7914200.1	609.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	6008	-	-	-	-	-	0.01	0.04	563399.44	7914578.8	603.75	13.75	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_037	1408	-	-	-	-	-	0.01	0.04	563286.7	7914576.7	601.16	11.16	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	590	N1_590_050	1602	-	-	-	-	-	0.01	0.04	563471.63	7914672.8	599.42	9.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1601	-	-	-	-	-	0.01	0.04	563473.65	7914676.2	599.48	9.48	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2400	-	-	-	-	-	-	0.04	563298.12	7914590	589.92	9.92	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	1509	-	-	-	-	-	0.12	0.04	563303.83	7914536.2	589.86	9.86	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1522	-	-	-	-	-	-	0.04	563457.58	7914683.1	610.4	10.4	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1526	-	-	-	-	-	0.08	0.04	563471.48	7914696.9	610.28	10.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1908	-	-	-	-	-	0.13	0.04	563130.1	7914287	609.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1809	-	-	-	-	-	0.06	0.04	563124.06	7914286.4	610.69	10.69	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1410	-	-	-	-	-	0.04	0.04	563419.32	7914641.8	609.25	9.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	919	-	-	-	-	-	0.06	0.04	563462.65	7914655.3	609.68	9.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1014	-	-	-	-	-	0.01	0.04	563443.63	7914641.1	608.85	8.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1111	-	-	-	-	-	0.07	0.04	563431.55	7914634.8	608.42	8.42	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1311	-	-	-	-	-	0.24	0.04	563426.08	7914641.8	609.01	9.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_021	1204	-	-	-	-	-	0.2	0.04	563162.54	7914386.7	599.43	9.43	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_021	1303	-	-	-	-	-	0.05	0.04	563162.78	7914380.3	599.64	9.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1721	-	-	-	-	-	0.21	0.04	563178.24	7914370.7	610.09	10.09	WASTE: LIMONITE	NAG
2019	Pit	580	N1_580_015	1416	-	-	-	-	-	-	0.041	563268.04	7914534.5	583.87	3.87	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_043	4000	-	-	-	-	-	0.07	0.041	563235.6	7914445.1	600.27	10.27	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1809	-	-	-	-	-	0.08	0.041	563179.89	7914351.4	600.52	10.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	3603	-	-	-	-	-	-	0.041	563288.89	7914562.5	589.85	9.85	ORE:WASTE	NAG
2019	Pit	590	N590029	1115	-	-	-	-	-	0.08	0.041	563417.71	7914603.9	600.79	10.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1504	-	-	-	-	-	-	0.042	563333.96	7914604.9	590.05	10.05	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_007	2107	-	-	-	-	-	-	0.042	563418.82	7914654.8	590.08	10.08	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	218	-	-	-	-	-	0.05	0.042	563408.25	7914690.7	590.48	10.48	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1208	-	-	-	-	-	0.17	0.042	563117.34	7914226.1	600.8	10.8	WASTE	NAG
2019	Pit	590	N590027	1903	-	-	-	-	-	-	0.042	563359.54	7914623.4	600.94	10.94	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N600085	1909	-	-	-	-	-	0.08	0.042	563081.76	7914197.9	610.2	10.2	WASTE: TILL/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1906	-	-	-	-	-	0.14	0.042	563135.29	7914294.2	610.27	10.27	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1703	-	-	-	-	-	-	0.042	563310.95	7914553.5	600.52	10.52	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590025	2006	-	-	-	-	-	-	0.042	563330	7914554.1	600.45	10.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1	-	-	-	-	-	-	0.043	563352.23	7914636.6	590.34	10.34	WASTE	NAG
2019	Pit	590	N590031	1917	-	-	-	-	-	0.01	0.043	563476.99	7914654.9	602	12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	2005	-	-	-	-	-	0.2	0.043	563159.87	7914356.4	600.69	10.69	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	2904	-	-	-	-	-	0.17	0.043	563275.04	7914540.4	589.59	9.59	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	1017	-	-	-	-	-	-	0.043	563403.98	7914687.8	600.51	10.51	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2513	-	-	-	-	-	0.05	0.043	563360.63	7914548.4	602.02	12.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1805	-	-	-	-	-	-	0.044	563346.37	7914609.8	589.63	9.63	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1411	-	-	-	-	-	-	0.044	563357.88	7914580.1	590.62	10.62	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1310	-	-	-	-	-	-	0.044	563384.21	7914643.7	590.26	10.26	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_001	1709	-	-	-	-	-	-	0.044	563368.7	7914617.6	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_087	2617	-	-	-	-	-	0.05	0.044	563001.7	7913948.7	620	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1106	-	-	-	-	-	0.09	0.044	563187.65	7914383.2	600.26	10.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2010	-	-	-	-	-	0.64	0.044	563378.09	7914927	664.49	4.49	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1403	-	-	-	-	-	0.07	0.044	563299.66	7914513.9	600.12	10.12	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1905	-	-	-	-	-	-	0.044	563322.58	7914555.5	600.59	10.59	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	614	-	-	-	-	-	-	0.045	563339.5	7914550.1	590.29	10.29	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1804	-	-	-	-	-	-	0.045	563342	7914614	578.5	2.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	313	-	-	-	-	-	0.06	0.045	563204.01	7914476.4	590	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1908	-	-	-	-	-	0.05	0.045	563173.52	7914351.1	600.68	10.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	300	-	-	-	-	-	-	0.045	563303.33	7914604.5	590.28	10.28	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1305	-	-	-	-	-	-	0.045	563334.22	7914595.4	590.68	10.68	WASTE	NAG
2019	Pit	580	N1_580_009	219	-	-	-	-	-	-	0.046	563411.17	7914693.6	590.63	10.63	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_011	1404	-	-	-	-	-	0.08	0.046	563377.92	7914543.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	2409	-	-	-	-	-	0.04	0.046	563238.7	7914452.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1503	-	-	-	-	-	-	0.046	563142.44	7914330.9	601.5	11.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1711	-	-	-	-	-	-	0.046	563379.79	7914597.7	600.06	10.06	ORE: WASTE	NAG
2019	Pit	590	N590025	1013	-	-	-	-	-	0.11	0.046	563329.72	7914505.5	602.25	12.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2107	-	-	-	-	-	-	0.046	563334.46	7914555.9	600.48	10.48	ORE: WASTE	NAG
2019	Pit	580	N1_580_005	1905	-	-	-	-	-	-	0.047	563348.39	7914613.7	589.39	9.39	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1612	-	-	-	-	-	0.07	0.047	563380.65	7914591.8	600.01	10.01	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1715	-	-	-	-	-	-	0.048	563388.57	7914582.9	600.22	10.22	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1905	-	-	-	-	-	0.05	0.048	563137.72	7914298.1	610.17	10.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1517	-	-	-	-	-	0.03	0.049	563468.8	7914645	600.89	10.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1907	-	-	-	-	-	0.61	0.049	563170.03	7914353.9	600.57	10.57	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1010	-	-	-	-	-	-	0.049	563279.51	7914594.4	602.06	12.06	ORE/WASTE: HEMATITE/BIF	NAG
2019	Pit	590	N590029	1908	-	-	-	-	-	-	0.049	563414.12	7914650.1	600.81	10.81	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2416	-	-	-	-	-	0.08	0.049	563365.51	7914540.7	603.92	13.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2509	-	-	-	-	-	0.04	0.05	563288.02	7914754.3	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_009	2504	-	-	-	-	-	0.04	0.05	563441.27	7914656	589.83	9.83	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2501	-	-	-	-	-	0.08	0.05	563449.66	7914644.9	589.88	9.88	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2601	-	-	-	-	-	0.07	0.05	563452.94	7914647.9	589.56	9.56	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	1108	-	-	-	-	-	0.02	0.05	563161.42	7914664.3	674.43	7.43	WASTE	NAG
2019	Pit	580	N1_580_013	2009	-	-	-	-	-	0.06	0.05	563249.58	7914466.6	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1043	-	-	-	-	-	0.02	0.05	563353.27	7914530.7	589.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1012	-	-	-	-	-	0.05	0.05	563271.95	7914484.4	589.7	9.7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1410	-	-	-	-	-	0.05	0.05	563289.45	7914475.5	589.85	9.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	312	-	-	-	-	-	0.01	0.05	563308.74	7914605.4	580.15	10.15	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	610	N1_610_089	1026	-	-	-	-	-	0.01	0.05	562995.55	7913956.2	621.31	11.31	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1606	-	-	-	-	-	-	0.05	562956.06	7913996.2	620.72	10.72	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	206	-	-	-	-	-	0.01	0.05	563250.97	7914539.9	580.6	10.6	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_043	4302	-	-	-	-	-	0.17	0.05	563236.64	7914433	600.13	10.13	ORE: WASTE	NAG
2019	Pit	590	N1_590_037	2200	-	-	-	-	-	0.05	0.05	563284.72	7914551.2	588.5	2.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_047	1709	-	-	-	-	-	0.2	0.05	563162.13	7914309	601.41	11.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_091	2004	-	-	-	-	-	0.01	0.05	563305.23	7914951.9	664.72	4.72	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N1_590_047	1907	-	-	-	-	-	0.08	0.05	563150.2	7914306.4	600.98	10.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2006	-	-	-	-	-	0.06	0.05	563143.58	7914305	600.84	10.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2008	-	-	-	-	-	0.04	0.05	563151.34	7914300.1	600.97	10.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2210	-	-	-	-	-	0.06	0.05	563153.91	7914288.7	601.29	11.29	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N1_590_047	2107	-	-	-	-	-	0.19	0.05	563145.73	7914299	601.16	11.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1703	-	-	-	-	-	0.01	0.05	563124.8	7914259	600.78	10.78	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1016	-	-	-	-	-	0.01	0.05	563377.52	7914560.1	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N600085	2214	-	-	-	-	-	0.03	0.05	563084.09	7914186	609.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1315	-	-	-	-	-	0.07	0.05	563422.41	7914609.1	600.85	10.85	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1204	-	-	-	-	-	0.01	0.05	563130.92	7914280.4	600.82	10.82	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1501	-	-	-	-	-	0.04	0.05	563136.82	7914262.3	601.24	11.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_039	1410	-	-	-	-	-	0.01	0.05	563326.28	7914637.3	600.62	10.62	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1603	-	-	-	-	-	0.01	0.05	563469.22	7914669.7	599.11	9.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1212	-	-	-	-	-	0.01	0.05	563362.78	7914901.6	666.02	6.02	WASTE: TILL/GNEISS	NAG
2019	Pit	580	N1_580_005	205	-	-	-	-	-	-	0.05	563313.51	7914621.6	589.85	9.85	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_093	1714	-	-	-	-	-	0.16	0.05	563380.07	7914908.9	666.12	6.12	WASTE: TILL/GNEISS	NAG
2019	Pit	580	N1_580_003	2101	-	-	-	-	-	0.01	0.05	563293.11	7914578.1	589.83	9.83	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	590	N1_590_015	1211	-	-	-	-	-	0.16	0.05	563203.15	7914440.7	600.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1510	-	-	-	-	-	0.53	0.05	563215.21	7914438	600.45	10.45	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	2009	-	-	-	-	-	0.07	0.05	563129.29	7914280.7	610.07	10.07	WASTE: SILICIFIED/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_019	1408	-	-	-	-	-	0.02	0.05	563246.4	7914544.1	600.21	10.21	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	921	-	-	-	-	-	0.01	0.05	563469.41	7914661.5	609.91	9.91	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1605	-	-	-	-	-	0.05	0.05	563395.48	7914631.9	609.41	9.41	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1008	-	-	-	-	-	0.01	0.05	563423.99	7914621.6	609.21	9.21	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2414	-	-	-	-	-	0.04	0.05	563362.22	7914543.2	603.94	13.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1121	-	-	-	-	-	0.16	0.05	563245	7914458.4	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	314	-	-	-	-	-	0.02	0.051	563411.45	7914690	590.81	10.81	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1212	-	-	-	-	-	0.01	0.051	563452.65	7914648.8	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	712	-	-	-	-	-	-	0.052	563335.82	7914558.7	589.9	9.9	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	3405	-	-	-	-	-	-	0.052	563290	7914552	590.07	10.07	WASTE: WASTE	NAG
2019	Pit	590	N590025	2214	-	-	-	-	-	0.02	0.052	563357.36	7914537.2	603.59	13.59	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1515	-	-	-	-	-	0.86	0.052	563272.73	7914469.7	599.94	9.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2215	-	-	-	-	-	0.05	0.052	563360.12	7914535.3	603.89	13.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_095	1252	-	-	-	-	-	0.11	0.054	562948.54	7914066.4	611.71	11.71	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1509	-	-	-	-	-	0.03	0.054	563449.84	7914667.4	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	2601	-	-	-	-	-	-	0.054	563465.25	7914761.6	600.77	10.77	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1812	-	-	-	-	-	0.05	0.054	563427.3	7914635.5	600.79	10.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1404	-	-	-	-	-	-	0.054	563332.09	7914602.5	590.31	10.31	ORE: WASTE	NAG
2019	Pit	590	N590023	1317	-	-	-	-	-	0.1	0.054	563261.33	7914467.3	600.03	10.03	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1610	-	-	-	-	-	-	0.054	563411.99	7914647.2	609.21	9.21	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1513	-	-	-	-	-	0.46	0.054	563277.67	7914476.6	600.07	10.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1204	-	-	-	-	-	-	0.055	563279.08	7914533.7	580.45	10.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1104	-	-	-	-	-	-	0.055	563117.32	7914323.8	610.22	10.22	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_001	311	-	-	-	-	-	-	0.056	563250.1	7914539.1	589.79	9.79	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1107	-	-	-	-	-	-	0.056	563353.01	7914584.6	600.14	10.14	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N600083	1111	-	-	-	-	-	0.18	0.056	563115.9	7914246.2	611.16	12.66	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1102	-	-	-	-	-	0.07	0.056	563293.39	7914536.6	600.3	10.3	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	215	-	-	-	-	-	-	0.057	563342.92	7914643	589.77	9.77	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1103	-	-	-	-	-	-	0.057	563278.29	7914540.1	580.51	10.51	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_009	3201	-	-	-	-	-	-	0.057	563180.66	7914450	600.51	10.51	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1802	-	-	-	-	-	-	0.058	563333.95	7914620.2	589.97	9.97	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_011	1120	-	-	-	-	-	0.03	0.058	563420.13	7914605.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1519	-	-	-	-	-	0.03	0.058	563474.12	7914640.9	600.48	10.48	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1608	-	-	-	-	-	0.03	0.058	563406.02	7914639.7	600.62	10.62	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_011	1400	-	-	-	-	-	0.04	0.059	563365.33	7914530.8	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	612	-	-	-	-	-	0.01	0.06	563332.71	7914555.1	590.2	10.2	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	2610	-	-	-	-	-	0.01	0.06	563384.11	7914620	590.8	10.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_095	1404	-	-	-	-	-	0.01	0.06	563232.37	7914774.1	667.03	7.03	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3113	-	-	-	-	-	0.01	0.06	563326.75	7914792.8	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	3210	-	-	-	-	-	0.01	0.06	563315.06	7914786.7	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_009	2604	-	-	-	-	-	0.02	0.06	563444.73	7914659.1	589.74	9.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2405	-	-	-	-	-	0.01	0.06	563434.58	7914656.1	590.08	10.08	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2701	-	-	-	-	-	0.15	0.06	563456.35	7914650.9	589.55	9.55	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	667	N1_667_061	4026	-	-	-	-	-	0.02	0.06	563189.7	7914668.2	673.63	6.63	WASTE	NAG
2019	Pit	590	N1_590_061	1308	-	-	-	-	-	0.11	0.06	563115	7914221.8	600.31	10.31	WASTE	NAG
2019	Pit	667	N1_667_061	1111	-	-	-	-	-	0.08	0.06	563153.75	7914657	674.25	7.25	WASTE	NAG
2019	Pit	667	N1_667_061	1307	-	-	-	-	-	0.01	0.06	563169.65	7914662.4	673.93	6.93	WASTE	NAG
2019	Pit	580	N1_580_013	1706	-	-	-	-	-	0.01	0.06	563246.96	7914484.2	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1115	-	-	-	-	-	0.01	0.06	563293.8	7914503.8	589.33	9.33	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1620	-	-	-	-	-	0.02	0.06	563329.47	7914507.8	589.97	9.97	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	610	N1_610_094	2076	-	-	-	-	-	0.02	0.06	562954.55	7913967.4	615.32	5.32	WASTE	NAG
2019	Pit	580	N1_580_001	3106	-	-	-	-	-	0.09	0.06	563286.29	7914540.8	589.54	9.54	WASTE	NAG
2019	Pit	590	N1_590_047	1408	-	-	-	-	-	0.09	0.06	563164.46	7914322.8	600.92	10.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2105	-	-	-	-	-	0.11	0.06	563137.48	7914303.6	600.84	10.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_039	1309	-	-	-	-	-	0.01	0.06	563323.67	7914627.5	601.29	11.29	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_047	2307	-	-	-	-	-	0.01	0.06	563141.34	7914291.2	601.32	11.32	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1317	-	-	-	-	-	0.07	0.06	563426.44	7914605.6	601.09	11.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1808	-	-	-	-	-	0.04	0.06	563410.91	7914647.2	600.48	10.48	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_059	1400	-	-	-	-	-	0.07	0.06	563144.49	7914264.9	600.91	10.91	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1404	-	-	-	-	-	0.03	0.06	563128.44	7914272.1	600.6	10.6	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1204	-	-	-	-	-	0.02	0.06	563466.35	7914687.5	600.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2107	-	-	-	-	-	0.03	0.06	563313.55	7914562.7	590.13	10.13	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	1909	-	-	-	-	-	-	0.06	563205.25	7914491.9	600.54	10.54	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1116	-	-	-	-	-	0.04	0.06	563198.44	7914439.3	600.46	10.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1413	-	-	-	-	-	0.55	0.06	563204.94	7914429	600.18	10.18	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1913	-	-	-	-	-	0.11	0.06	563114.59	7914269.9	610.79	10.79	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N1_590_019	1707	-	-	-	-	-	-	0.06	563258.77	7914549.9	600.55	10.55	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1109	-	-	-	-	-	0.07	0.06	563425.75	7914628.9	608.47	8.47	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1502	-	-	-	-	-	0.01	0.06	563388.56	7914618.4	609.31	9.31	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1303	-	-	-	-	-	0.01	0.06	563398.74	7914614.9	609.14	9.14	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_021	1410	-	-	-	-	-	0.01	0.06	563187.72	7914401.4	600.04	10.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_079	1723	-	-	-	-	-	0.59	0.06	563171.8	7914364.5	610.08	10.08	WASTE/ORE: RED CLAY ALTERATION/HEMATITE	NAG
2019	Pit	600	N1_600_079	1628	-	-	-	-	-	0.28	0.06	563158.64	7914345.7	609.98	9.98	WASTE/ORE: RED CLAY ALTERATION/MAGNETITE	NAG
2019	Pit	590	N590023	1022	-	-	-	-	-	0.14	0.06	563240.03	7914458.1	599.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1701	-	-	-	-	-	0.16	0.06	563303.82	7914559	600.63	10.63	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	2111	-	-	-	-	-	-	0.061	563374.76	7914601.2	589.7	9.7	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_007	2013	-	-	-	-	-	0.03	0.061	563397.62	7914673.1	590.18	10.18	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1708	-	-	-	-	-	0.04	0.061	563179.6	7914358.1	600.49	10.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	2016	-	-	-	-	-	0.01	0.061	563397.62	7914589	599.86	9.86	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_051	1300	-	-	-	-	-	-	0.061	563426.88	7914726	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2106	-	-	-	-	-	0.46	0.061	563370.05	7914939.2	663.56	3.56	WASTE: TILL/GNEISS	NAG
2019	Pit	580	N1_580_005	1705	-	-	-	-	-	-	0.062	563343.77	7914607.2	589.69	9.69	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_011	1211	-	-	-	-	-	0.06	0.062	563392.94	7914573.7	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	1906	-	-	-	-	-	0.01	0.062	563241.62	7914477.8	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1014	-	-	-	-	-	0.15	0.062	563371.29	7914565.3	600	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	2015	-	-	-	-	-	0.02	0.062	563395.15	7914591.1	599.94	9.94	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590023	1320	-	-	-	-	-	0.11	0.062	563253.65	7914457.2	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1511	-	-	-	-	-	0.34	0.062	563282.75	7914483.8	600.11	10.11	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1412	-	-	-	-	-	-	0.063	563322.88	7914587.6	580.06	10.06	ORE: WASTE	NAG
2019	Pit	590	N590023	1512	-	-	-	-	-	0.47	0.063	563280.52	7914480.7	600.1	10.1	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590025	1313	-	-	-	-	-	0.1	0.063	563336.04	7914513.7	602.67	12.67	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1713	-	-	-	-	-	0.06	0.064	563387.04	7914593	600.08	10.08	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_011	1404	-	-	-	-	-	0.07	0.065	563377.92	7914543.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1719	-	-	-	-	-	0.06	0.065	563437.81	7914614.1	601.98	11.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1806	-	-	-	-	-	-	0.066	563349	7914608	578.5	2.5	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1721	-	-	-	-	-	0.05	0.066	563484.41	7914640.5	600.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1209	-	-	-	-	-	0.06	0.067	563196.07	7914371.5	600.2	10.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	3506	-	-	-	-	-	-	0.067	563294.69	7914552.9	589.96	9.96	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2306	-	-	-	-	-	0.19	0.067	563374.88	7914944.2	662.85	2.85	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1405	-	-	-	-	-	-	0.067	563294.48	7914506.8	600.16	10.16	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1509	-	-	-	-	-	-	0.067	563288.08	7914491.1	600.18	10.18	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1113	-	-	-	-	-	0.05	0.068	563451.34	7914644.7	600.09	10.09	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N1_590_037	306	-	-	-	-	-	-	0.068	563262.26	7914580.7	600.87	10.87	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1700	-	-	-	-	-	-	0.069	563324.98	7914622.9	590.14	10.14	ORE:WASTE	NAG
2019	Pit	580	N1_580_005	1704	-	-	-	-	-	-	0.07	563340.01	7914609.8	589.89	9.89	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1311	-	-	-	-	-	0.01	0.07	563354.85	7914576.8	590.6	10.6	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	311	-	-	-	-	-	0.02	0.07	563342.92	7914639.9	589.64	9.64	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_095	1703	-	-	-	-	-	0.08	0.07	563238.75	7914760.1	667.13	7.13	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_009	326	-	-	-	-	-	0.04	0.07	563449.76	7914666.2	590.12	10.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	236	-	-	-	-	-	0.04	0.07	563451.85	7914668.5	590.04	10.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2608	-	-	-	-	-	0.5	0.07	563285.87	7914747	667	7	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_011	1206	-	-	-	-	-	0.05	0.07	563378.31	7914556	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1719	-	-	-	-	-	0.02	0.07	563329.78	7914500.8	589.79	9.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1723	-	-	-	-	-	0.01	0.07	563342.25	7914516.1	589.68	9.68	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1206	-	-	-	-	-	0.08	0.07	563269.08	7914466.3	589.81	9.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1010	-	-	-	-	-	0.09	0.07	563267.08	7914478.4	589.75	9.75	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1105	-	-	-	-	-	0.09	0.07	563262.27	7914465.3	589.6	9.6	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1101	-	-	-	-	-	0.06	0.07	563249.88	7914450.4	590.23	10.23	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_003	1109	-	-	-	-	-	-	0.07	563303.56	7914584.1	580.02	10.02	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1010	-	-	-	-	-	0.03	0.07	563299.45	7914528.6	580.21	10.21	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2808	-	-	-	-	-	0.01	0.07	563248.33	7914466.2	580.56	10.56	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2010	-	-	-	-	-	0.12	0.07	563159.9	7914295.4	601.36	11.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2406	-	-	-	-	-	0.07	0.07	563134.56	7914289.9	601.22	11.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_039	1606	-	-	-	-	-	0.01	0.07	563307.96	7914626.8	601.34	11.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1503	-	-	-	-	-	0.04	0.07	563129.07	7914266.6	600.58	10.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1712	-	-	-	-	-	0.01	0.07	563362.3	7914866.6	667.56	7.56	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590027	2003	-	-	-	-	-	0.06	0.07	563361.64	7914627.4	601	11	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	8010	-	-	-	-	-	0.01	0.07	563402.42	7914585	604.02	14.02	WASTE: LIMONITE	NAG
2019	Pit	590	N1_590_059	1802	-	-	-	-	-	0.02	0.07	563126.99	7914253.2	600.84	10.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1315	-	-	-	-	-	0.01	0.07	563371.82	7914896.4	666.49	6.49	WASTE: TILL/GNEISS	NAG
2019	Pit	660	N1_660_093	1505	-	-	-	-	-	0.3	0.07	563352.46	7914926.4	664.99	4.99	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1015	-	-	-	-	-	0.07	0.07	563257.43	7914480.6	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1418	-	-	-	-	-	0.01	0.07	563447.18	7914669.1	609.72	9.72	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1421	-	-	-	-	-	0.05	0.07	563455.87	7914678	610.25	10.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1412	-	-	-	-	-	0.85	0.07	563426.15	7914648.7	609.25	9.25	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1018	-	-	-	-	-	0.01	0.07	563456.79	7914653.9	609.62	9.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1004	-	-	-	-	-	0.06	0.07	563410.95	7914608.7	608.8	8.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1002	-	-	-	-	-	0.03	0.07	563404.38	7914602.4	608.11	8.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2309	-	-	-	-	-	0.01	0.07	563325.89	7914563.9	590.22	10.22	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1612	-	-	-	-	-	0.07	0.07	563283.53	7914477.8	600.02	10.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2002	-	-	-	-	-	0.09	0.07	563314.22	7914566	600.52	10.52	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590025	2115	-	-	-	-	-	0.05	0.07	563357.5	7914532.7	602.89	12.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2206	-	-	-	-	-	0.07	0.07	563334.44	7914560.7	600.61	10.61	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1104	-	-	-	-	-	0.08	0.07	563300.7	7914531.3	600.06	10.06	ORE:WASTE	NAG
2019	Pit	580	N1_580_017	1212	-	-	-	-	-	-	0.072	563287.52	7914489.1	589.11	9.11	ORE/WASTE: MAGNETITE/BIF	NAG
2019	Pit	600	N1_600_053	1407	-	-	-	-	-	-	0.072	563409.01	7914631.8	609.51	9.51	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_011	1719	-	-	-	-	-	0.04	0.073	563434.95	7914584.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1413	-	-	-	-	-	0.14	0.073	563338.16	7914516.2	602.31	12.31	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590025	2212	-	-	-	-	-	0.03	0.073	563351.26	7914541.7	601.49	11.49	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1910	-	-	-	-	-	-	0.074	563403.03	7914660.1	590.16	10.16	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590061	1408	-	-	-	-	-	0.11	0.074	563113.18	7914217.9	600.11	10.11	WASTE	NAG
2019	Pit	580	N1_580_005	304	-	-	-	-	-	0.02	0.074	563315.98	7914619.7	590.24	10.24	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1420	-	-	-	-	-	0.06	0.075	563476.21	7914635.2	599.9	9.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2209	-	-	-	-	-	-	0.075	563344.1	7914552.4	600.11	10.11	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1611	-	-	-	-	-	-	0.076	563362.83	7914586.4	590.23	10.23	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_660_097	2209	-	-	-	-	-	-	0.076	563278.39	7914764	667	87	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	2113	-	-	-	-	-	-	0.077	563400.95	7914675.8	590.06	10.06	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1015	-	-	-	-	-	0.01	0.077	563447.77	7914643	600.21	10.21	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1709	-	-	-	-	-	-	0.077	563373.46	7914602.4	600.4	10.4	ORE:WASTE	NAG
2019	Pit	590	N590023	1412	-	-	-	-	-	0.1	0.077	563277	7914482.5	600.13	10.13	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1602	-	-	-	-	-	-	0.077	563304.96	7914553	600.51	10.51	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590031	1319	-	-	-	-	-	0.03	0.078	563470.45	7914635.9	600.26	10.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	313	-	-	-	-	-	-	0.078	563255.8	7914545.7	589.61	9.61	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1803	-	-	-	-	-	0.05	0.078	563357.32	7914620.6	601.16	11.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2108	-	-	-	-	-	0.01	0.08	563271.88	7914763	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	660	N1_660_097	2505	-	-	-	-	-	0.01	0.08	563272.78	7914739.7	667	7	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_017	1822	-	-	-	-	-	0.01	0.08	563342.54	7914509.6	589.74	9.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1016	-	-	-	-	-	0.01	0.08	563281.21	7914495.5	588.92	8.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1311	-	-	-	-	-	0.06	0.08	563289.01	7914482.2	589.45	9.45	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1210	-	-	-	-	-	0.26	0.08	563281.51	7914481.6	589.62	9.62	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_005	2907	-	-	-	-	-	0.01	0.08	563241.65	7914465.3	580.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1509	-	-	-	-	-	0.02	0.08	563165.84	7914316.9	601.14	11.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1905	-	-	-	-	-	0.08	0.08	563142.43	7914310.9	600.76	10.76	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1799	-	-	-	-	-	0.04	0.08	563139.9	7914249.9	600.79	10.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1900	-	-	-	-	-	0.12	0.08	563135.71	7914248.3	600.84	10.84	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2307	-	-	-	-	-	0.05	0.08	563318.95	7914568.2	590.42	10.42	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_015	1312	-	-	-	-	-	0.06	0.08	563203.97	7914435.1	600.43	10.43	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1504	-	-	-	-	-	0.1	0.08	563231.23	7914461.4	600.18	10.18	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1524	-	-	-	-	-	0.06	0.08	563464.29	7914690.3	610.26	10.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1214	-	-	-	-	-	0.17	0.08	563265.51	7914480	599.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1017	-	-	-	-	-	0.12	0.08	563252.86	7914474.7	599.93	9.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1114	-	-	-	-	-	0.05	0.08	563262.24	7914482.4	599.94	9.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1215	-	-	-	-	-	0.08	0.08	563262.78	7914476.4	599.89	9.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1506	-	-	-	-	-	0.01	0.08	563402.25	7914631.7	609.47	9.47	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1020	-	-	-	-	-	0.12	0.08	563244.35	7914464.1	600.07	10.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1610	-	-	-	-	-	0.18	0.08	563289.21	7914485.3	600.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1221	-	-	-	-	-	0.07	0.08	563248.74	7914456.5	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2206	-	-	-	-	-	0.08	0.08	563334.44	7914560.7	600.61	10.61	ORE:WASTE	NAG
2019	Pit	590	N590025	2204	-	-	-	-	-	-	0.08	563326.25	7914566.9	600.37	10.37	ORE:WASTE	NAG
2019	Pit	590	N1_590_009	1610	-	-	-	-	-	-	0.081	563202.11	7914477.7	600.44	10.44	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_015	1611	-	-	-	-	-	-	0.082	563262.69	7914516.1	584	4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1303	-	-	-	-	-	-	0.082	563422.73	7914677.6	600.35	10.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1510	-	-	-	-	-	-	0.082	563374.14	7914591.7	600.37	10.37	ORE:WASTE	NAG
2019	Pit	590	N590029	1311	-	-	-	-	-	-	0.082	563410.06	7914620.8	600.21	10.21	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1820	-	-	-	-	-	0.04	0.082	563440.46	7914616.2	602.24	12.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	2008	-	-	-	-	-	-	0.082	563204.89	7914497.3	600.77	10.77	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1519	-	-	-	-	-	-	0.082	563447.79	7914676.2	610.2	10.2	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1714	-	-	-	-	-	-	0.083	563377.35	7914579.9	589.84	9.84	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_091	2112	-	-	-	-	-	-	0.084	563325.71	7914936.2	665.18	5.18	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_005	203	-	-	-	-	-	-	0.084	563308.89	7914616	590.29	10.29	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2113	-	-	-	-	-	0.04	0.084	563352.12	7914536.6	603.61	13.61	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	301	-	-	-	-	-	-	0.085	563306.29	7914608.4	590.25	10.25	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1219	-	-	-	-	-	0.11	0.085	563253.9	7914463.9	600.07	10.07	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590031	1709	-	-	-	-	-	0.01	0.086	563455.21	7914674.1	599.96	9.96	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_011	1109	-	-	-	-	-	-	0.086	563174.28	7914438.2	600.26	10.26	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	590	N590023	1609	-	-	-	-	-	0.3	0.086	563290.98	7914488.3	600.19	10.19	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_015	1009	-	-	-	-	-	-	0.087	563241.48	7914523.9	584.7	4.7	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	2012	-	-	-	-	-	0.05	0.087	563431.22	7914642.6	600.93	10.93	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1903	-	-	-	-	-	-	0.087	563314.73	7914560.5	600.56	10.56	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	311	-	-	-	-	-	-	0.088	563208.29	7914485.2	590	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1202	-	-	-	-	-	-	0.088	563295.56	7914522.1	599.96	9.96	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	2008	-	-	-	-	-	-	0.089	563332.71	7914556.8	580.73	10.73	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_055	1004	-	-	-	-	-	-	0.089	563425.96	7914727.9	600.03	10.03	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1110	-	-	-	-	-	0.01	0.09	563346.09	7914574.9	590.86	10.86	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	2306	-	-	-	-	-	0.09	0.09	563361.78	7914623.1	589.61	9.61	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2413	-	-	-	-	-	0.05	0.09	563299.43	7914772	667	7	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2608	-	-	-	-	-	0.51	0.09	563285.87	7914747	667	7	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_003	1604	-	-	-	-	-	0.06	0.09	563307.67	7914553.5	580.52	10.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1707	-	-	-	-	-	0.05	0.09	563319.9	7914562.2	580.54	10.54	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_005	1404	-	-	-	-	-	0.21	0.09	563274.05	7914525.7	579.84	9.84	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	570	N1_570_005	2909	-	-	-	-	-	0.01	0.09	563248.67	7914459.4	580.59	10.59	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1305	-	-	-	-	-	0.01	0.09	563274.56	7914566.7	600.86	10.86	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1208	-	-	-	-	-	0.01	0.09	563279.36	7914581.9	601.38	11.38	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_037	1311	-	-	-	-	-	-	0.09	563291.31	7914588.4	601.68	11.68	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	590	N1_590_047	1507	-	-	-	-	-	0.08	0.09	563158.3	7914321.7	601.2	11.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1806	-	-	-	-	-	0.15	0.09	563147.79	7914312.4	600.8	10.8	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2206	-	-	-	-	-	0.04	0.09	563139.52	7914297.7	600.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2408	-	-	-	-	-	0.01	0.09	563142.97	7914285.7	601.11	11.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1008	-	-	-	-	-	-	0.09	563350.78	7914581.9	600.09	10.09	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1303	-	-	-	-	-	0.03	0.09	563133.25	7914274.4	600.54	10.54	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1602	-	-	-	-	-	0.16	0.09	563130.98	7914260.5	600.64	10.64	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_050	1703	-	-	-	-	-	0.01	0.09	563472.08	7914668.4	599.06	9.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	304	-	-	-	-	-	0.01	0.09	563425.8	7914730.6	600	10	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1016	-	-	-	-	-	0.38	0.09	563255.21	7914477.4	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1115	-	-	-	-	-	0.22	0.09	563259.75	7914479	599.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1116	-	-	-	-	-	0.08	0.09	563257.3	7914475.5	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1309	-	-	-	-	-	0.13	0.09	563281.06	7914494.9	600.15	10.15	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1212	-	-	-	-	-	0.09	0.09	563270.47	7914487.1	599.98	9.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1403	-	-	-	-	-	0.01	0.09	563395.36	7914618.4	609.3	9.3	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1411	-	-	-	-	-	0.15	0.09	563279.67	7914486.1	600.17	10.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1419	-	-	-	-	-	0.08	0.09	563259.45	7914458.4	600.05	10.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1418	-	-	-	-	-	0.11	0.09	563262.27	7914462.2	600.05	10.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	2004	-	-	-	-	-	-	0.092	563347.08	7914620.2	589.3	9.3	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1313	-	-	-	-	-	0.04	0.092	563379.09	7914576.3	600.19	10.19	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1816	-	-	-	-	-	0.01	0.092	563393.78	7914584.9	600.09	10.09	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	660	N1_660_093	2013	-	-	-	-	-	0.13	0.092	563385.11	7914919	665.67	5.67	WASTE: TILL/GNEISS	NAG
2019	Pit	580	N1_580_009	2510	-	-	-	-	-	-	0.095	563422.84	7914676.5	590.56	10.56	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1112	-	-	-	-	-	0.01	0.095	563448.5	7914647.2	600.17	10.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1312	-	-	-	-	-	0.13	0.095	563333.28	7914515.1	602.51	12.51	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	205	-	-	-	-	-	-	0.097	563253.65	7914542.6	580.72	10.72	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_089	1512	-	-	-	-	-	0.01	0.097	563359.25	7914872.5	667.1	7.1	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590031	1203	-	-	-	-	-	-	0.098	563420.18	7914674.4	600.43	10.43	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1810	-	-	-	-	-	-	0.098	563379.57	7914603.5	599.75	9.75	ORE:WASTE	NAG
2019	Pit	580	N1_580_005	303	-	-	-	-	-	0.01	0.098	563312.69	7914615.9	590.37	10.37	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1310	-	-	-	-	-	0.01	0.1	563351.12	7914580	590.83	10.83	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1410	-	-	-	-	-	0.01	0.1	563354.21	7914583.1	590.58	10.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	667	N1_667_061	4047	-	-	-	-	-	0.01	0.1	563157.19	7914664.7	674.7	7.7	WASTE	NAG
2019	Pit	580	N1_580_011	100	-	-	-	-	-	-	0.1	563353.23	7914541.9	588.5	8.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	1409	-	-	-	-	-	0.03	0.1	563265.82	7914485.6	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	1809	-	-	-	-	-	0.03	0.1	563256.06	7914473.1	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1117	-	-	-	-	-	0.01	0.1	563299.97	7914511.9	589.26	9.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1517	-	-	-	-	-	0.06	0.1	562989.74	7913958.6	621.36	11.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1012	-	-	-	-	-	0.01	0.1	563305.35	7914524.1	580.35	10.35	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2509	-	-	-	-	-	0.2	0.1	563260.01	7914473.9	580.48	10.48	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2606	-	-	-	-	-	0.09	0.1	563246.59	7914479.3	580.16	10.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1604	-	-	-	-	-	0.01	0.1	563122.87	7914265.2	600.72	10.72	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	2416	-	-	-	-	-	0.01	0.1	563404.23	7914597.7	600.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	1907	-	-	-	-	-	0.01	0.1	563308.01	7914555	589.86	9.86	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1210	-	-	-	-	-	0.21	0.1	563275.56	7914494.2	600	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1415	-	-	-	-	-	0.43	0.1	563199.46	7914421.1	600.18	10.18	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590023	1108	-	-	-	-	-	0.11	0.1	563277.26	7914503.5	599.98	9.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1211	-	-	-	-	-	0.09	0.1	563273.03	7914490.7	600.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_017	1211	-	-	-	-	-	0.07	0.1	563252.51	7914479.9	600.07	10.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1010	-	-	-	-	-	0.03	0.101	563341.12	7914576.2	590.75	10.75	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	310	-	-	-	-	-	-	0.102	563338.85	7914637.1	589.75	9.75	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_013	2207	-	-	-	-	-	0.04	0.102	563236.98	7914464.6	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	314	-	-	-	-	-	0.01	0.102	563315.1	7914613	580.17	10.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1908	-	-	-	-	-	0.1	0.102	563334.38	7914545.4	600.16	10.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	1210	-	-	-	-	-	-	0.103	563192.93	7914463.3	600.49	10.49	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590029	2111	-	-	-	-	-	0.29	0.104	563430.23	7914648.9	600.62	10.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	2109	-	-	-	-	-	0.27	0.104	563377.54	7914931.6	664.53	4.53	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590029	1508	-	-	-	-	-	0.01	0.105	563403.98	7914636.2	600.44	10.44	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	208	-	-	-	-	-	0.02	0.106	563321.94	7914629	590.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	306	-	-	-	-	-	0.04	0.107	563322.62	7914625.6	589.82	9.82	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_001	1511	-	-	-	-	-	0.04	0.108	563370.49	7914629.6	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2303	-	-	-	-	-	-	0.108	563324.97	7914572.7	600.26	10.26	ORE: WASTE	NAG
2019	Pit	660	N1_660_097	2211	-	-	-	-	-	0.01	0.11	563284.29	7914772.3	667	7	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_013	2308	-	-	-	-	-	0.06	0.11	563237.84	7914458.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1717	-	-	-	-	-	0.04	0.11	563323.31	7914492.8	589.73	9.73	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1109	-	-	-	-	-	0.05	0.11	563274.84	7914480.9	589.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1610	-	-	-	-	-	0.01	0.11	563289.18	7914502.9	580.28	10.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2507	-	-	-	-	-	0.2	0.11	563252.71	7914479.7	580.25	10.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1103	-	-	-	-	-	-	0.11	563262.74	7914565.3	600.74	10.74	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_047	2004	-	-	-	-	-	0.03	0.11	563135.73	7914309.7	600.87	10.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	1804	-	-	-	-	-	0.07	0.11	563118.94	7914257.5	600.97	10.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	315	-	-	-	-	-	0.01	0.11	563463.03	7914769.9	600.69	10.69	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	1507	-	-	-	-	-	0.01	0.11	563298.02	7914540.5	590.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1407	-	-	-	-	-	0.1	0.11	563289.56	7914500	600.25	10.25	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_015	1310	-	-	-	-	-	0.04	0.11	563206.56	7914442.4	600.31	10.31	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_015	1401	-	-	-	-	-	0.12	0.11	563235.12	7914475.3	600.3	10.3	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1117	-	-	-	-	-	0.13	0.11	563255.06	7914472.2	600	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1009	-	-	-	-	-	0.11	0.11	563271.48	7914502.3	600.22	10.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1103	-	-	-	-	-	0.06	0.11	563289.82	7914520.9	600	10	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1313	-	-	-	-	-	0.1	0.11	563271.14	7914481.4	599.97	9.97	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1311	-	-	-	-	-	0.11	0.11	563276.2	7914488.5	600.05	10.05	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1213	-	-	-	-	-	0.12	0.11	563268.07	7914483.6	600	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1609	-	-	-	-	-	0.01	0.11	563409.02	7914644.6	609.35	9.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1118	-	-	-	-	-	0.1	0.11	563252.5	7914468.8	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1006	-	-	-	-	-	-	0.112	563292.19	7914577.9	580.78	10.78	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1811	-	-	-	-	-	0.04	0.112	563382.35	7914601	600.18	10.18	WASTE/ORE: RED CLAY ALTERATION/MAGNETITE	NAG
2019	Pit	590	N590029	2014	-	-	-	-	-	0.04	0.112	563433.99	7914631.2	600.41	10.41	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	2407	-	-	-	-	-	0.04	0.113	563231.56	7914457.9	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1401	-	-	-	-	-	-	0.113	563418.34	7914686.8	600.74	10.74	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	660	N1_660_089	2010	-	-	-	-	-	0.01	0.113	563361.38	7914851.7	667.29	7.29	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	590	N590029	1004	-	-	-	-	-	0.08	0.114	563373.47	7914631.8	600.46	10.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1813	-	-	-	-	-	0.77	0.114	563380.11	7914914.1	665.94	5.94	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590023	1607	-	-	-	-	-	0.58	0.114	563295.68	7914494.8	600.29	10.29	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	227	-	-	-	-	-	0.04	0.115	563430.42	7914694.2	590.36	10.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1905	-	-	-	-	-	0.36	0.115	563162.84	7914359.6	600.81	10.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	2203	-	-	-	-	-	-	0.116	563434.07	7914643.8	589.68	9.68	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1400	-	-	-	-	-	-	0.116	563289.18	7914545.8	580.37	10.37	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590031	1202	-	-	-	-	-	0.01	0.116	563416.78	7914677.5	600.53	10.53	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1601	-	-	-	-	-	0.07	0.116	563423.64	7914693.6	600.71	10.71	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1202	-	-	-	-	-	-	0.116	563398.61	7914608.5	609.08	9.08	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1811	-	-	-	-	-	-	0.116	563339.67	7914532.5	602.61	12.61	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1104	-	-	-	-	-	0.01	0.118	563421.56	7914668.1	600.45	10.45	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590023	1613	-	-	-	-	-	0.34	0.118	563281.34	7914474.9	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	713	-	-	-	-	-	-	0.12	563338.68	7914557.1	589.94	9.94	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	1906	-	-	-	-	-	0.06	0.12	563351.96	7914611.1	589.61	9.61	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1204	-	-	-	-	-	0.01	0.12	563398.49	7914619.1	590.03	10.03	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	3603	-	-	-	-	-	0.01	0.12	563268.84	7914538.4	588.5	8.5	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1313	-	-	-	-	-	0.07	0.12	563295.25	7914490.2	589.44	9.44	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1602	-	-	-	-	-	0.06	0.12	563301.51	7914546.9	580.6	10.6	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1309	-	-	-	-	-	0.06	0.12	563293.28	7914516.1	580.32	10.32	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_005	2608	-	-	-	-	-	0.14	0.12	563253.21	7914473.6	580.54	10.54	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2709	-	-	-	-	-	0.01	0.12	563253.96	7914467	580.31	10.31	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2004	-	-	-	-	-	0.07	0.12	563121.89	7914251	600.79	10.79	WASTE: CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_089	1705	-	-	-	-	-	0.01	0.12	563350.16	7914845.4	667.35	7.35	WASTE: SILICIFIED GRANITE	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590027	1015	-	-	-	-	-	0.01	0.12	563374.1	7914562.4	599.81	9.81	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1315	-	-	-	-	-	0.01	0.12	563382.64	7914569.8	599.97	9.97	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590027	1716	-	-	-	-	-	0.01	0.12	563391.43	7914582.5	600.17	10.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1615	-	-	-	-	-	0.01	0.12	563387.18	7914579.7	600.24	10.24	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1019	-	-	-	-	-	0.17	0.12	563417.32	7914599.5	601.03	11.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1115	-	-	-	-	-	0.07	0.12	563259.75	7914479	599.95	9.95	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1408	-	-	-	-	-	0.12	0.12	563287.33	7914496.8	600.23	10.23	WASTE/ORE: LIMONITE/HEMATITE	NAG
2019	Pit	590	N1_590_017	1209	-	-	-	-	-	0.04	0.12	563245.33	7914485.2	600.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1316	-	-	-	-	-	0.43	0.12	563263.33	7914470.3	600.03	10.03	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1306	-	-	-	-	-	0.11	0.12	563288.8	7914505.8	600.28	10.28	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1216	-	-	-	-	-	0.13	0.12	563260.48	7914473.2	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1315	-	-	-	-	-	0.36	0.12	563265.67	7914473.4	600.04	10.04	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1308	-	-	-	-	-	0.13	0.12	563283.73	7914498.6	600.17	10.17	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1009	-	-	-	-	-	0.11	0.12	563099.1	7914309.3	610.39	10.39	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	600	N1_600_081	974	-	-	-	-	-	0.58	0.12	563144.93	7914322	609.72	9.72	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_003	1208	-	-	-	-	-	0.01	0.12	563291.87	7914529.1	589.58	9.58	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1019	-	-	-	-	-	0.06	0.12	563246.88	7914467.6	600.12	10.12	WASTE/ORE: LIMONITE/MAGNETITE	NAG
2019	Pit	590	N590023	1318	-	-	-	-	-	0.17	0.12	563258.86	7914464.3	600	10	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1120	-	-	-	-	-	0.12	0.12	563247.1	7914461.8	600.05	10.05	WASTE: LIMONITE	NAG
2019	Pit	590	N590025	1100	-	-	-	-	-	0.14	0.121	563285.87	7914542.1	600.23	10.23	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1007	-	-	-	-	-	-	0.122	563400.35	7914615.2	578.5	2.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_013	1908	-	-	-	-	-	0.04	0.122	563248.68	7914471.7	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_039	1507	-	-	-	-	-	-	0.122	563310.93	7914627	601.51	11.51	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590031	1616	-	-	-	-	-	0.04	0.123	563468.16	7914649.9	601.27	11.27	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	2202	-	-	-	-	-	0.07	0.124	563436.92	7914640.3	578.5	2.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_041	1202	-	-	-	-	-	-	0.124	563354.52	7914654.7	600.03	10.03	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	4003	-	-	-	-	-	0.01	0.124	563381.39	7914892.1	666.93	6.93	WASTE: SILICIFIED GRANITE	NAG
2019	Pit	580	N1_580_005	1710	-	-	-	-	-	-	0.125	563361.4	7914592.5	590.35	10.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1710	-	-	-	-	-	-	0.126	563361.4	7914592.5	590.35	10.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	2014	-	-	-	-	-	0.08	0.126	563346.94	7914578.4	580.75	10.75	WASTE	NAG
2019	Pit	590	N1_590_051	1500	-	-	-	-	-	-	0.127	563431.95	7914732.1	600	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	610	N1_610_089	1602	-	-	-	-	-	-	0.129	562947.85	7914007.5	621.1	11.1	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2019	Pit	580	N1_580_007	1612	-	-	-	-	-	0.01	0.13	563387.59	7914658.6	590.11	10.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1018	-	-	-	-	-	0.01	0.13	563286.06	7914501.3	578.5	2.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2010	-	-	-	-	-	0.01	0.13	563277.55	7914489.3	580.13	10.13	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2810	-	-	-	-	-	0.01	0.13	563255.14	7914461.5	580.46	10.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1407	-	-	-	-	-	-	0.13	563361.01	7914595.3	600.37	10.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1415	-	-	-	-	-	0.01	0.13	563384.85	7914573.4	600.47	10.47	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590029	1313	-	-	-	-	-	0.08	0.13	563416.38	7914616.4	600.16	10.16	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1310	-	-	-	-	-	0.13	0.13	563278.79	7914491.8	600.11	10.11	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590023	1406	-	-	-	-	-	0.24	0.13	563292.06	7914503.5	600.22	10.22	WASTE/ORE: LIMONITE/MAGNETITE	NAG
2019	Pit	590	N1_590_009	1309	-	-	-	-	-	0.01	0.13	563191.44	7914467.9	600.55	10.55	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1014	-	-	-	-	-	0.14	0.13	563260.13	7914484	599.99	9.99	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1410	-	-	-	-	-	0.05	0.13	563419.32	7914641.8	609.25	9.25	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_019	1501	-	-	-	-	-	0.79	0.13	563275	7914525.7	599.88	9.88	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1208	-	-	-	-	-	0.09	0.13	563419.18	7914628.1	608.94	8.94	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1018	-	-	-	-	-	0.1	0.13	563249.77	7914470.7	600.09	10.09	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1413	-	-	-	-	-	0.1	0.13	563274.42	7914479.1	600.11	10.11	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1319	-	-	-	-	-	0.12	0.13	563256.4	7914460.5	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1611	-	-	-	-	-	0.09	0.13	563285.86	7914481.6	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1612	-	-	-	-	-	-	0.13	563339.61	7914524	602.06	12.06	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1711	-	-	-	-	-	-	0.132	563420.64	7914634.7	600.6	10.6	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1501	-	-	-	-	-	0.17	0.132	563298.93	7914552.5	600.48	10.48	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590029	1904	-	-	-	-	-	-	0.134	563400.98	7914659.7	600.46	10.46	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590045	1706	-	-	-	-	-	0.25	0.134	563171.58	7914363.3	600.38	10.38	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1408	-	-	-	-	-	-	0.135	563393.54	7914638.9	590.16	10.16	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1608	-	-	-	-	-	-	0.135	563318.26	7914567.1	580.16	10.16	ORE:WASTE	NAG
2019	Pit	590	N1_590_049	1301	-	-	-	-	-	0.05	0.136	563441.9	7914709.4	600.32	10.32	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1609	-	-	-	-	-	-	0.136	563371.11	7914598.9	600.13	10.13	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	580	N1_580_011	1612	-	-	-	-	-	0.05	0.138	563410.64	7914564.5	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1400	-	-	-	-	-	0.06	0.138	563289.18	7914545.8	580.37	10.37	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_005	207	-	-	-	-	-	0.01	0.139	563319.01	7914625.7	589.64	9.64	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_097	2505	-	-	-	-	-	0.01	0.14	563272.78	7914739.7	667	7	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_013	2007	-	-	-	-	-	0.01	0.14	563242.19	7914471.7	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	316	-	-	-	-	-	0.03	0.14	563322.79	7914621.7	580.26	10.26	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	1109	-	-	-	-	-	0.13	0.14	563299.06	7914523.5	580.45	10.45	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2905	-	-	-	-	-	0.51	0.14	563234.29	7914471.2	580.58	10.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1301	-	-	-	-	-	-	0.14	563415.63	7914683.4	600.66	10.66	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	2309	-	-	-	-	-	0.05	0.14	563148.62	7914286.8	601.5	11.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1506	-	-	-	-	-	0.46	0.14	563294.81	7914500.4	600.16	10.16	WASTE/ORE: LIMONITE/HEMATITE	NAG
2019	Pit	590	N1_590_015	1411	-	-	-	-	-	0.12	0.14	563209.98	7914436.8	600.52	10.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1111	-	-	-	-	-	0.08	0.14	563269.77	7914493	600.37	10.37	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1220	-	-	-	-	-	0.11	0.14	563251.74	7914460.9	600.11	10.11	WASTE: LIMONITE	NAG
2019	Pit	660	N1_660_093	1615	-	-	-	-	-	0.1	0.142	563379.62	7914904.3	666.36	6.36	WASTE: TILL/GNEISS	NAG
2019	Pit	590	N590029	1505	-	-	-	-	-	0.08	0.143	563392.63	7914644.4	600.62	10.62	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_009	2410	-	-	-	-	-	-	0.144	563419.45	7914673.9	590.59	10.59	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_059	2005	-	-	-	-	-	0.14	0.144	563117.77	7914253.2	600.9	10.9	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1807	-	-	-	-	-	-	0.145	563353.07	7914605.6	590.21	10.21	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_003	1301	-	-	-	-	-	0.01	0.145	563288.5	7914552.6	580.75	10.75	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1007	-	-	-	-	-	0.08	0.149	563347.99	7914584.8	600.03	10.03	WASTE: GNEISS/GREEN	NAG
2019	Pit	580	N1_580_007	2003	-	-	-	-	-	-	0.15	563427.25	7914638.4	589.69	9.69	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_003	223	-	-	-	-	-	0.03	0.15	563324.74	7914625.4	580.39	10.39	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2410	-	-	-	-	-	0.01	0.15	563266.15	7914475	580.21	10.21	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1606	-	-	-	-	-	0.23	0.15	563152.33	7914320.1	601.16	11.16	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N590029	1006	-	-	-	-	-	0.06	0.151	563379.68	7914627.6	600.36	10.36	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1909	-	-	-	-	-	-	0.152	563417.95	7914647.4	600.71	10.71	ORE: WASTE	NAG
2019	Pit	590	N1_590_015	1302	-	-	-	-	-	-	0.152	563228.94	7914473.8	600.27	10.27	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1512	-	-	-	-	-	-	0.154	563384.46	7914655.8	590.2	10.2	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_013	706	-	-	-	-	-	0.07	0.154	563275.45	7914516.5	588.5	8.5	WASTE	NAG
2019	Pit	580	N1_580_009	2509	-	-	-	-	-	0.01	0.156	563425.74	7914673	590.29	10.29	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1811	-	-	-	-	-	-	0.158	563367.84	7914592.1	590.26	10.26	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1413	-	-	-	-	-	0.05	0.159	563382.29	7914580.7	599.86	9.86	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_007	1411	-	-	-	-	-	-	0.16	563383.33	7914649.5	590.32	10.32	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1216	-	-	-	-	-	0.12	0.16	563300.45	7914505	589.4	9.4	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_005	2008	-	-	-	-	-	0.01	0.16	563270.99	7914494.7	579.87	9.87	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2201	-	-	-	-	-	0.01	0.16	563240.54	7914507	579.78	9.78	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2707	-	-	-	-	-	0.01	0.16	563246.78	7914472.5	580.58	10.58	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590027	1514	-	-	-	-	-	0.01	0.16	563385.01	7914576.4	600.18	10.18	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	590	N1_590_050	1701	-	-	-	-	-	0.01	0.16	563475.12	7914673.3	599.34	9.34	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	1610	-	-	-	-	-	-	0.162	563358.95	7914589	590.41	10.41	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1319	-	-	-	-	-	-	0.162	563314.27	7914514	589.95	9.95	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1206	-	-	-	-	-	0.08	0.162	563352.54	7914590.6	600.1	10.1	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	2006	-	-	-	-	-	0.03	0.164	563418.2	7914648.8	590.25	10.25	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	2007	-	-	-	-	-	0.03	0.164	563374.96	7914617.5	600.52	10.52	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1802	-	-	-	-	-	0.07	0.164	563309.62	7914559.5	600.48	10.48	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_051	1700	-	-	-	-	-	-	0.165	563437.12	7914737.5	600.45	10.45	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1508	-	-	-	-	-	-	0.168	563396.29	7914641.9	589.99	9.99	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_005	1206	-	-	-	-	-	-	0.168	563286.26	7914527.8	579.9	9.9	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_009	3001	-	-	-	-	-	-	0.169	563184.12	7914456	600.66	10.66	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	667	N1_667_061	1107	-	-	-	-	-	0.07	0.17	563165.2	7914667.7	674.35	7.35	WASTE	NAG
2019	Pit	570	N1_570_005	1810	-	-	-	-	-	0.01	0.17	563282.79	7914495.5	580.47	10.47	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2210	-	-	-	-	-	0.01	0.17	563271.68	7914482.1	580.2	10.2	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_047	1810	-	-	-	-	-	0.2	0.17	563163.45	7914303.4	601.5	11.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_001	3607	-	-	-	-	-	0.07	0.17	563300.38	7914553.9	590.13	10.13	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1309	-	-	-	-	-	0.08	0.17	563365.03	7914587	600.15	10.15	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N590027	1414	-	-	-	-	-	0.01	0.17	563382.43	7914574.1	600.09	10.09	WASTE: CHLORITE SCHIST/LIM	NAG
2019	Pit	580	N1_580_003	2408	-	-	-	-	-	0.04	0.17	563324.84	7914569.1	590.09	10.09	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1208	-	-	-	-	-	0.13	0.17	563280.48	7914501.1	600.08	10.08	WASTE: CHLORITE SCHIST	NAG

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 - NPAG Geochemistry - Analytical Sampling Results - 2019

YEAR	LOCATION	BENCH	BLAST ID	HOLE ID	FIZZ RATING	NP (tCaCO3/1Kt)	MPA (tCaCO3/1Kt)	NNP (tCaCO3/1Kt)	RATIO (NP:MPA)	C (%)*	S (%)*	Y	X	Z	DEPTH	LITHOLOGY	CLASS
2019	Pit	590	N590023	1209	-	-	-	-	-	0.12	0.17	563278.05	7914497.6	600.01	10.01	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1013	-	-	-	-	-	0.11	0.17	563262.08	7914488	600.14	10.14	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_019	1204	-	-	-	-	-	-	0.17	563255.18	7914526.2	599.99	9.99	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1417	-	-	-	-	-	0.09	0.17	563264.46	7914465	600.12	10.12	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1608	-	-	-	-	-	0.14	0.17	563293.49	7914491.9	600.31	10.31	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1420	-	-	-	-	-	0.11	0.17	563258.01	7914455.7	599.92	9.92	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	251	-	-	-	-	-	-	0.172	563242.82	7914534.9	590	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1603	-	-	-	-	-	-	0.174	563414.33	7914626.9	589.51	9.51	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	570	N1_570_001	1616	-	-	-	-	-	-	0.174	563390.39	7914638.8	580	10	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_049	203	-	-	-	-	-	-	0.174	563460.78	7914690.9	599.81	9.81	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_019	1203	-	-	-	-	-	-	0.174	563258.84	7914523.1	599.98	9.98	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	2615	-	-	-	-	-	0.1	0.176	563368.85	7914547.1	604.06	14.06	WASTE: LIMONITE	NAG
2019	Pit	590	N590027	1306	-	-	-	-	-	0.02	0.178	563354.77	7914594.5	600.22	10.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	2010	-	-	-	-	-	0.02	0.18	563368.67	7914602.3	589.76	9.76	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	2502	-	-	-	-	-	0.01	0.18	563352	7914641	578.5	2.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1301	-	-	-	-	-	-	0.18	563410.33	7914612	589.35	9.35	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_017	1721	-	-	-	-	-	0.02	0.18	563335.94	7914508.5	590.22	10.22	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_003	1606	-	-	-	-	-	0.05	0.18	563312.89	7914560.8	580.86	10.86	WASTE: CHLORITE SCHIST	NAG
2019	Pit	570	N1_570_005	2806	-	-	-	-	-	0.01	0.18	563240.67	7914472.1	580.74	10.74	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_003	2006	-	-	-	-	-	0.02	0.18	563306.96	7914561.2	590.02	10.02	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1409	-	-	-	-	-	0.13	0.18	563285.21	7914493.8	600.19	10.19	WASTE/ORE: LIMONITE/HEMATITE	NAG
2019	Pit	590	N1_590_015	1407	-	-	-	-	-	-	0.18	563220.2	7914452.4	600.06	10.06	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_017	1302	-	-	-	-	-	0.07	0.18	563220.74	7914506.7	600.72	10.72	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1517	-	-	-	-	-	0.07	0.18	563440.5	7914669.4	609.81	9.81	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1511	-	-	-	-	-	0.07	0.18	563420.22	7914649.2	609.36	9.36	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	600	N1_600_053	1507	-	-	-	-	-	-	0.18	563405.6	7914635.2	609.53	9.53	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	590	N1_590_009	2011	-	-	-	-	-	-	0.185	563215.01	7914491.6	600.48	10.48	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590029	1109	-	-	-	-	-	0.06	0.186	563397.16	7914619.4	599.99	9.99	WASTE: CHLORITE SCHIST/GNEISS	NAG
2019	Pit	580	N1_580_013	1708	-	-	-	-	-	0.03	0.187	563254.1	7914478.4	588.5	8.5	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_005	911	-	-	-	-	-	0.07	0.19	563338.57	7914569.3	590.36	10.36	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_007	1014	-	-	-	-	-	0.06	0.19	563381.06	7914631.4	589.89	9.89	WASTE: CHLORITE SCHIST	NAG
2019	Pit	580	N1_580_013	1106	-	-	-	-	-	0.26	0.19	563263.22	7914504.2	588.5	8.5	WASTE	NAG
2019	Pit	590	N590031	1102	-	-	-	-	-	0.01	0.19	563414.36	7914674.4	600.65	10.65	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2019	Pit	580	N1_580_001	1300	-	-	-	-	-	0.06	0.19	563226.27	7914504.2	591.17	11.17	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	660	N1_660_093	1110	-	-	-	-	-	0.01	0.19	563355.36	7914904.1	666.32	6.32	WASTE: TILL/GNEISS	NAG
2019	Pit	580	N1_580_003	2509	-	-	-	-	-	0.02	0.19	563331.57	7914570.7	590.51	10.51	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1106	-	-	-	-	-	0.13	0.19	563282.29	7914510.4	599.98	9.98	WASTE: CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_081	1503	-	-	-	-	-	0.11	0.19	563133.18	7914315.3	610.08	10.08	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1006	-	-	-	-	-	0.13	0.19	563279.07	7914512.7	600.07	10.07	WASTE: CHLORITE SCHIST	NAG
2019	Pit	590	N590023	1303	-	-	-	-	-	0.11	0.19	563296.33	7914516.3	600.1	10.1	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590025	1004	-	-	-	-	-	0.06	0.191	563298.34	7914528	599.72	9.72	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	600	N1_600_053	1307	-	-	-	-	-	-	0.192	563412.4	7914628.4	609.37	9.37	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N590031	1405	-	-	-	-	-	0.01	0.194	563432.59	7914675.7	600.1	10.1	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2019	Pit	590	N1_590_037	1006	-	-	-	-	-	-	0.194	563268.26	7914579.1	601.2	11.2	ORE/WASTE: MAGNETITE/BIF(High SiO2)	NAG
2019	Pit	590	N1_590_051	2404	-	-	-	-	-	-	0.194	563470.09	7914745.5	600.4	10.4	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

Notes:

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