

APPENDIX E.6

WASTE ROCK GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS

TABLE E.6.1 - DEPOSIT NO. 1 GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

Summary Statistics

PAG	Fizz Rating	NP	MPA	MNP	Ratio (NP:MNP)	C (%)*	S (%)*
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	153	153	153	153	153	157	157
MIN	1.000	-17.00	6.60	-561.00	-0.360	0.005	0.210
MAX	1.000	22.00	562.50	11.00	2.130	1.535	18.000
MEAN	1.000	5.30	31.54	-26.29	0.413	0.095	0.996

NAG	Fizz Rating	NP	MPA	MNP	Ratio (NP:MNP)	C (%)*	S (%)*
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	7	7	7	7	7	802	813
MIN	1.000	4.00	0.90	-2.00	0.6	0.005	0.005
MAX	1.000	15.00	6.30	14.00	16.0	0.470	0.200
MEAN	1.000	10.43	5.53	5.14	3.611	0.043	0.039

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

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	675	N675021B	4	1	15	0.9	14	16	0.12	0.03	7914670.289	563201.95	685.519	10.519	WASTE	NAG
2017	PIT	650	Pit Expansion TH	1						0.05	0.02	7914273.423	563004.9	654.456	4	WASTE	NAG
2017	PIT	650	Pit Expansion TH	46						0.04	0.02	7914312	563017.78	659.783	10	WASTE	NAG
2017	PIT	650	Pit Expansion TH	47						0.05	0.02	7914309.988	563021.31	659.776	10	WASTE	NAG
2017	PIT	650	Pit Expansion TH	45						0.02	0.01	7914314.012	563014.26	659.604	10	WASTE	NAG
2017	PIT	650	Pit Expansion TH	44						0.03	0.01	7914315.892	563010.85	659.32	9	WASTE	NAG
2017	PIT	650	Pit Expansion TH	57						0.04	0.02	7914335.399	563017.48	658.818	9	WASTE: GREEN SCH.	NAG
2017	PIT	650	Pit Expansion TH	56						0.17	0.02	7914332.652	563021.61	658.943	9	WASTE: GREEN SCH.	NAG
2017	PIT	650	Pit Expansion TH	54						0.07	0.01	7914328.902	563028.53	659.576	10	WASTE	NAG
2017	PIT	650	Pit Expansion TH	33						0.06	0.02	7914295.008	563007.5	656.558	7	ORE	NAG
2017	PIT	675	N675GDH	1000						0.08	0.07	7914678.783	563225.83	526.65	2.5	WASTE	NAG
2017	PIT	675	N675GDH	10000						0.06	0.06	7914678.783	563225.83	526.65	2.5	WASTE	NAG
2017	PIT	675	N675GDH	340						0.08	0.01	7914712.155	563279.24	526.65	2.5	ORE	NAG
2017	PIT	675	N675GDH	3400						0.05	0.005	7914712.155	563279.24	526.65	2.5	ORE	NAG
2017	PIT	675	N675GDH	4000						0.04	0.005	7914756.948	563318.16	526.65	2.5	ORE	NAG
2017	PIT	675	N675GDH	1700						0.06	0.04	7914696.966	563265.82	526.65	2.5	ORE	NAG
2017	PIT	675	N675GDH	1400						0.05	0.17	7914694.337	563238.09	526.65	2.5	ORE	NAG
2017	PIT	675	N675GDH	160						0.005	0.1	7914709.234	563250.93	526.65	2.5	ORE/WASTE	NAG
2017	PIT	675	N675GDH	3900						0.07	0.03	7914740.196	563276.91	526.65	2.5	WASTE	NAG
2017	PIT	675	N675GDH	2200						0.01	0.05	7914771.158	563302.01	526.65	2.5	WASTE	NAG
2017	PIT	675	N675GDH	300						0.08	0.005	7914671.36	563298.71	511.8625	2.5	WASTE	NAG
2017	PIT	650	N650064	1206						0.08	0.05	7914323.789	563027.5	659.516	9.516	WASTE	NAG
2017	PIT	650	N650064	1207						0.12	0.03	7914326.888	563023.69	659.256	9.256	ORE:WASTE	NAG
2017	PIT	650	N650064	1408						0.14	0.04	7914319.888	563019.19	659.052	9.052	ORE/WASTE: HEMATITE/GNEISS	NAG
2017	PIT	650	N650064	1209						0.15	0.01	7914331.936	563016.31	658.941	8.941	WASTE	NAG
2017	PIT	650	N650064	1208						0.22	0.03	7914329.473	563019.59	659.046	9.046	WASTE	NAG
2017	PIT	650	N650064	1507						0.08	0.12	7914316.18	563018.82	659.093	9.093	WASTE	NAG
2017	PIT	650	N650064	1608						0.02	0.01	7914315.771	563016.48	658.739	8.739	WASTE	NAG
2017	PIT	650	N650064	1506						0.07	0.03	7914313.988	563023.15	659.27	9.27	WASTE	NAG
2017	PIT	650	N650064	1406						0.06	0.01	7914314.804	563027.1	659.384	9.384	ORE:WASTE	NAG
2017	PIT	650	N650064	1409						0.27	0.01	7914322.435	563016.22	658.925	8.925	WASTE	NAG
2017	PIT	650	N650064	1410						0.05	0.01	7914324.368	563012.93	658.761	8.761	WASTE	NAG
2017	PIT	640	N640042	1402						0.01	0.15	7914510.8	563201.8	649.97	9.97	ORE:HEMATITE	NAG
2017	PIT	650	N650065	1203						0.02	0.02	7914349.065	563017.19	658.803	8.803	WASTE	NAG
2017	PIT	650	N650065	1102						0.01	0.01	7914353.131	563014.83	658.982	8.982	WASTE	NAG
2017	PIT	650	N650065	202						0.01	0.01	7914360.489	563010.86	659.407	9.407	WASTE	NAG
2017	PIT	650	N650065	1206						0.01	0.01	7914336.401	563010.39	658.469	8.469	WASTE	NAG
2017	PIT	650	N650065	1002						0.01	0.01	7914357.135	563012.95	658.996	8.996	WASTE	NAG
2017	PIT	650	N650065	1005						0.02	0.01	7914344.532	563005.58	658.166	8.166	WASTE	NAG
2017	PIT	650	N650065	1105						0.01	0.01	7914340.478	563008.05	658.273	8.273	WASTE	NAG
2017	PIT	650	N650065	103						0.01	0.01	7914363.006	563009.02	659.619	9.619	WASTE	NAG
2017	PIT	650	N650065	1209						0.05	0.01	7914324.369	563005.68	658.28	8.28	WASTE	NAG
2017	PIT	650	N650065	107						0.01	0.01	7914352.648	563003.38	658.235	8.235	WASTE	NAG
2017	PIT	650	N650065	205						0.01	0.01	7914349.921	563004.65	658.504	8.504	WASTE	NAG
2017	PIT	650	N650065	209						0.01	0.01	7914335.121	562998.09	657.54	7.54	WASTE	NAG
2017	PIT	650	N650065	1108						0.01	0.01	7914328.238	563003.05	658.072	8.072	WASTE	NAG
2017	PIT	650	N650065	112						0.01	0.01	7914338.986	562996.95	657.599	7.599	WASTE	NAG
2017	PIT	650	N650065	1008						0.02	0.01	7914332.764	563000.8	657.801	7.801	WASTE	NAG
2017	PIT	630	N630010	1507						0.03	0.02	7914615.436	563301.6	640.34	10.34	ORE:LIMONITE/MAGNETITE	NAG
2017	PIT	630	N630010	1407						0.03	0.04	7914616.05	563306.04	640.149	10.149	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640044	1016						0.01	0.01	7914606.243	563183.06	650.4	10.4	ORE:HEMATITE	NAG
2017	PIT	640	N640044	1108						0.12	0.03	7914628.209	563211.8	650.149	10.149	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640044	1011						0.01	0.01	7914622.773	563200.45	650.021	10.021	ORE:WASTE	NAG
2017	PIT	640	N640044	210						0.08	0.01	7914625.995	563198.88	650.208	10.208	ORE:HEMATITE	NAG
2017	PIT	640	N640044	1022						0.11	0.01	7914586.427	563162	650.606	10.606	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640043	1005						0.03	0.09	7914504.67	563194.01	649.821	9.821	ORE:HEMATITE	NAG
2017	PIT	630	N630012	1206						0.005	0.005	7914603.736	563293.18	640.122	10.122	ORE/WASTE: MAGNETITE/GREEN SCHIST	NAG
2017	PIT	630	N630012	1406						0.005	0.08	7914598.664	563287.79	639.88	9.88	ORE:MAGNETITE	NAG
2017	PIT	630	N630012	1506						0.005	0.12	7914597.348	563283.14	640.01	10.01	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630012	1105						0.005	0.06	7914604.377	563297.59	640.007	10.007	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630012	1306						0.005	0.07	7914602.844	563288.68	639.82	9.82	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	640	N640046	1002						0.005	0.05	7914486.311	563178.36	649.425	9.425	ORE/WASTE: HEMATITE/Tiil	NAG
2017	PIT	640	N640046	1001						0.005	0.05	7914484.24	563180.47	649.513	9.513	ORE/WASTE: HEMATITE/Tiil	NAG
2017	PIT	630	N630014	1399						0.16	0.09	7914562.745	563290.21	638.816	8.816	ORE:HEMATITE	NAG
2017	PIT	630	N630014	1002						0.28	0.04	7914579.013	563294.07	639.186	9.186	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630014	999						0.07	0.11	7914572.094	563301.55	638.481	8.481	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630014	1199						0.13	0.03	7914567.638	563296.54	638.711	8.711	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630014	1106						0.02	0.02	7914587.554	563280.22	639.58	9.58	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG

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2017 BLASTED WASTE ROCK																	
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
2017	PIT	640	N640049	110						0.1	0.09	7914679.05	563252.92	650.568	10.568	ORE:HEMATITE	NAG
2017	PIT	640	N640049	122						0.01	0.05	7914703.878	563279.41	650.522	10.522	ORE:HEMATITE	NAG
2017	PIT	640	N640049	218						0.02	0.03	7914706.669	563285.4	650.47	10.47	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640049	124						0.01	0.04	7914708.11	563283.61	650.309	10.309	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640048	1509						0.14	0.01	7914477.953	563127.99	650.415	10.415	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640048	1506						0.05	0.05	7914469.59	563135.31	650.461	10.461	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	630	N630015	1210						0.09	0.15	7914579.045	563250.63	640.634	10.634	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630015	1208						0.01	0.02	7914572.118	563257.3	640.634	10.634	ORE:WASTE	NAG
2017	PIT	630	N630015	1207						0.04	0.02	7914568.88	563260.35	640.53	10.53	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	630	N630015	1006						0.01	0.01	7914570.775	563266.49	639.942	9.942	ORE:MAGNETITE	NAG
2017	PIT	630	N630015	1206						0.01	0.01	7914566.072	563263.15	640.444	10.444	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640050	1009						0.03	0.01	7914745.467	563331.28	650.379	10.379	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640050	122						0.02	0.01	7914762.078	563340.36	650.149	10.149	WASTE	NAG
2017	PIT	640	N640050	114						0.06	0.01	7914745.617	563322.88	650.537	10.537	WASTE	NAG
2017	PIT	640	N640050	112						0.13	0.01	7914741.654	563318.75	650.507	10.507	WASTE	NAG
2017	PIT	640	N640050	111						0.09	0.01	7914739.425	563316.5	650.564	10.564	WASTE	NAG
2017	PIT	640	N640050	115						0.08	0.01	7914747.649	563325.12	650.43	10.43	WASTE	NAG
2017	PIT	640	N640050	121						0.02	0.01	7914759.97	563338.39	650.072	10.072	WASTE	NAG
2017	PIT	640	N640050	118						0.06	0.01	7914753.445	563332.13	650.266	10.266	WASTE	NAG
2017	PIT	640	N640050	123						0.02	0.01	7914764.029	563342.53	650.038	10.038	WASTE	NAG
2017	PIT	640	N640050	113						0.08	0.01	7914743.4	563321	650.621	10.621	WASTE	NAG
2017	PIT	640	N640050	124						0.02	0.01	7914766.219	563344.79	650.184	10.184	WASTE	NAG
2017	PIT	640	N640050	126						0.02	0.01	7914770.309	563349.15	650.164	10.164	WASTE	NAG
2017	PIT	640	N640050	119						0.05	0.01	7914755.854	563333.86	650.063	10.063	WASTE	NAG
2017	PIT	640	N640050	125						0.01	0.01	7914768.185	563346.97	650.176	10.176	WASTE	NAG
2017	PIT	640	N640050	127						0.02	0.01	7914772.071	563350.99	650.037	10.037	WASTE	NAG
2017	PIT	640	N640050	116						0.06	0.01	7914749.729	563327.38	650.256	10.256	WASTE	NAG
2017	PIT	640	N640050	117						0.03	0.01	7914751.849	563329.53	650.354	10.354	WASTE	NAG
2017	PIT	640	N640050	120						0.03	0.01	7914758.081	563336.11	650.179	10.179	WASTE	NAG
2017	PIT	640	N640050	104						0.01	0.01	7914725.319	563301.4	650.597	10.597	WASTE	NAG
2017	PIT	640	N640050	108						0.1	0.02	7914733.305	563309.96	650.672	10.672	WASTE	NAG
2017	PIT	640	N640050	106						0.02	0.01	7914729.151	563305.48	650.504	10.504	WASTE	NAG
2017	PIT	640	N640051	1407						0.01	0.01	7914448.685	563127.77	650.351	10.351	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640050	110						0.02	0.03	7914737.407	563314.29	650.5	10.5	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	660	N660056	1313						0.01	0.03	7914897.564	563238.01	666.793	6.793	WASTE	NAG
2017	PIT	660	N660056	1412						0.01	0.03	7914892.667	563239.57	666.453	6.453	WASTE	NAG
2017	PIT	660	N660056	1508						0.01	0.01	7914883.123	563245.16	666.518	6.518	WASTE	NAG
2017	PIT	660	N660056	1503						0.05	0.005	7914872.749	563256.26	666.547	6.547	WASTE	NAG
2017	PIT	660	N660056	1203						0.005	0.005	7914877.232	563262.8	666.404	6.404	WASTE	NAG
2017	PIT	660	N660056	2104						0.02	0.005	7914876.56	563243.3	666.857	6.857	WASTE	NAG
2017	PIT	660	N660056	2202						0.03	0.005	7914867.205	563248.83	666.453	6.453	WASTE	NAG
2017	PIT	660	N660056	1305						0.01	0.005	7914880.529	563255.85	666.369	6.369	WASTE	NAG
2017	PIT	660	N660056	1104						0.06	0.005	7914882.324	563262.01	666.308	6.308	WASTE	NAG
2017	PIT	660	N660056	2003						0.005	0.005	7914874.371	563249.92	666.592	6.592	WASTE	NAG
2017	PIT	660	N660056	2007						0.005	0.005	7914886.599	563237.52	666.63	6.63	WASTE	NAG
2017	PIT	660	N660056	1216						0.07	0.005	7914903.376	563235.18	666.705	6.705	WASTE	NAG
2017	PIT	660	N660056	1416						0.02	0.005	7914900.235	563231.83	666.71	6.71	WASTE	NAG
2017	PIT	660	N660056	2108						0.05	0.005	7914888.441	563230.9	666.72	6.72	WASTE	NAG
2017	PIT	660	N660056	2207						0.01	0.005	7914882.022	563233.67	666.703	6.703	WASTE	NAG
2017	PIT	630	N630016	1200						0.29	0.05	7914538.358	563256.69	640.225	10.225	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	630	N630016	1000						0.17	0.04	7914542.98	563260.96	640.484	10.484	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	630	N630017	1300						0.02	0.06	7914629.641	563264.75	639.861	9.861	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630018	1404						0.03	0.01	7914519.733	563227.19	640.248	10.248	ORE:MAGNETITE	NAG
2017	PIT	630	N630011	1205						0.09	0.01	7914515.155	563240.14	636.979	6.979	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630011	1108						0.12	0.01	7914511.382	563232.29	637.272	7.272	ORE:MAGNETITE	NAG
2017	PIT	640	N640053	1309						0.14	0.01	7914443.974	563104.56	650.645	10.645	ORE:HEMATITE	NAG
2017	PIT	630	N630018	1010						0.03	0.1	7914546.475	563222.06	640.835	10.835	ORE:HEMATITE	NAG
2017	PIT	640	N640052	1204						0.12	0.04	7914562.05	563154.62	650.363	10.363	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640052	1109						0.08	0.01	7914540.417	563139.95	650.122	10.122	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640052	1105						0.45	0.02	7914557.193	563149.47	650.32	10.32	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640052	1107						0.26	0.01	7914549.407	563145	650.052	10.052	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1504						0.08	0.01	7914859.695	563235.77	667.209	7.209	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1511						0.29	0.01	7914879.914	563215.66	666.735	6.735	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1711						0.03	0.02	7914874.381	563210.7	667.246	7.246	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1504						0.06	0.01	7914859.695	563235.77	667.209	7.209	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1708						0.01	0.03	7914866.939	563218.16	667.035	7.035	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1908						0.09	0.05	7914861.918	563212.86	667.345	7.345	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1901						0.12	0.01	7914840.808	563233.99	667.25	7.25	WASTE: CHLORITE SCHIST	NAG

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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
2017	PIT	660	N660057	1903						0.25	0.01	7914846.598	563228.36	666.893	6.893	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1705						0.06	0.01	7914857.952	563227.39	667.103	7.103	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1905						0.09	0.01	7914852.678	563222.11	666.901	6.901	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660057	1902						0.06	0.01	7914843.95	563231.53	667.129	7.129	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660058	1321						0.05	0.005	7914833.93	563246.63	667.209	7.209	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660058	1115						0.005	0.005	7914856.44	563258.88	667.239	7.239	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660058	1109						0.005	0.05	7914875.853	563277.44	666.744	6.744	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660058	1318						0.005	0.005	7914843.286	563255.73	667.225	7.225	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630019	1004						0.03	0.07	7914694.777	563368.14	640.383	10.383	ORE:MAGNETITE	NAG
2017	PIT	660	N660058	1309						0.02	0.01	7914871.432	563282.84	667.169	7.169	WASTE	NAG
2017	PIT	660	N660058	1202						0.07	0.005	7914897.013	563302	667.031	7.031	WASTE	NAG
2017	PIT	660	N660058	1003						0.02	0.005	7914898.451	563294.65	667.031	7.031	WASTE	NAG
2017	PIT	660	N660058	1314						0.1	0.03	7914855.647	563267.67	667.485	7.485	WASTE	NAG
2017	PIT	660	N660058	1105						0.005	0.005	7914888.257	563289.45	667.225	7.225	WASTE	NAG
2017	PIT	630	N630020	1401						0.005	0.17	7914503.787	563206.77	640.038	10.038	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630020	1001						0.02	0.01	7914514.435	563218.29	640.54	10.54	WASTE: CHLORITE SCHIST	NAG
2017	PIT	660	N660059	1206						0.005	0.02	7914841.716	563271.36	667.058	7.058	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1412						0.01	0.12	7914817.684	563257.91	667.081	7.081	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1001						0.005	0.13	7914861.06	563280.74	666.647	6.647	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1404						0.005	0.005	7914842.089	563282.11	667.195	7.195	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1202						0.005	0.08	7914853.119	563283.33	667.14	7.14	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1004						0.005	0.02	7914852.97	563272.11	667.241	7.241	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1502						0.005	0.005	7914846.793	563291.76	667.074	7.074	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1507						0.17	0.02	7914831.637	563277.02	667.131	7.131	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1512						0.005	0.09	7914817.998	563262.62	667.19	7.19	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1008						0.03	0.005	7914838.538	563261.23	666.777	6.777	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1211						0.02	0.01	7914826.096	563255.52	666.707	6.707	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1012						0.03	0.005	7914827.533	563247.43	667.251	7.251	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660059	1408						0.005	0.04	7914829.658	563270.03	666.971	6.971	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640052	202						0.11	0.02	7914573.584	563150.35	650.406	10.406	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640052	102						0.005	0.01	7914577.235	563149.53	650.308	10.308	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640052	104						0.02	0.005	7914571.971	563146.55	650.301	10.301	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	660	N660060	1010						0.18	0.03	7914836.719	563227.41	666.976	6.976	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1216						0.02	0.01	7914850.831	563204.5	667.404	7.404	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1211						0.06	0.01	7914836.096	563219.83	666.804	6.804	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1014						0.07	0.01	7914849.677	563214.73	667.07	7.07	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1512						0.02	0.01	7914832.531	563207.57	667.033	7.033	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1418						0.02	0.01	7914851.219	563193.32	667.732	7.732	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1018						0.21	0.05	7914861.549	563202.71	667.545	7.545	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	660	N660060	1516						0.05	0.01	7914843.827	563195.78	667.471	7.471	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1410						0.01	0.01	7914827.404	563218.34	667.132	7.132	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1414						0.02	0.01	7914839.685	563205.5	667.252	7.252	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	660	N660060	1401						0.09	0.01	7914800.471	563245.7	667.573	7.573	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	660	N660060	1402						0.04	0.01	7914803.506	563242.49	667.779	7.779	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	660	N660060	1002						0.03	0.01	7914813.571	563252.44	667.311	7.311	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	660	N660060	1203						0.02	0.03	7914811.573	563244.6	667.688	7.688	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	660	N660060	1503						0.04	0.09	7914805.417	563234.97	667.939	7.939	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640056	212						0.01	0.01	7914478.678	563096.54	650.147	10.147	ORE/WASTE: HEMATITE/GNEISS	NAG
2017	PIT	640	N640056	1206						0.06	0.01	7914490.541	563116.02	650.346	10.346	WASTE: GNEISS	NAG
2017	PIT	640	N640056	215						0.01	0.01	7914468.113	563090.12	650.62	10.62	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	112						0.02	0.01	7914488.372	563099.33	650.074	10.074	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640056	1017						0.01	0.01	7914448.247	563082.82	650.961	10.961	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	122						0.07	0.01	7914462.876	563084.63	650.563	10.563	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	126						0.01	0.02	7914452.35	563078.79	650.756	10.756	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	115						0.01	0.01	7914481.065	563095.1	649.925	9.925	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	119						0.01	0.01	7914470.221	563089.14	650.32	10.32	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	1019						0.02	0.01	7914439.924	563077.98	650.989	10.989	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	128						0.01	0.02	7914447.331	563075.78	650.779	10.779	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	133						0.01	0.01	7914434.085	563068.44	650.62	10.62	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	222						0.01	0.01	7914443.362	563076.55	651.03	11.03	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	217						0.03	0.01	7914461.05	563086.4	650.724	10.724	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	1021						0.01	0.01	7914431.192	563073.26	650.713	10.713	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640056	220						0.02	0.01	7914451.56	563080.64	650.798	10.798	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630021	1201						0.005	0.05	7914622.734	563256.61	640.097	10.097	WASTE: GREEN SCHIST	NAG
2017	PIT	630	N630021	1302						0.005	0.09	7914624.082	563252.45	640.035	10.035	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630026	1101						0.43	0.04	7914494.334	563200.24	639.871	9.871	WASTE	NAG
2017	PIT	620	N620001	1103						0.005	0.1	7914613.904	563359.59	630.072	10.072	ORE:WASTE	NAG
2017	PIT	620	N620001	1305						0.005	0.11	7914613.881	563348.86	630.129	10.129	ORE:WASTE	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	620	N620001	1104						0.005	0.17	7914616.08	563357.47	630.175	10.175	WASTE	NAG
2017	PIT	620	N620001	1304						0.005	0.12	7914611.31	563351.61	630.158	10.158	WASTE	NAG
2017	PIT	620	N620001	1302						0.005	0.08	7914605.997	563356.88	630.133	10.133	WASTE	NAG
2017	PIT	620	N620001	1303						0.005	0.05	7914608.765	563354.38	630.145	10.145	WASTE	NAG
2017	PIT	620	N620001	2101						0.02	0.12	7914582.2	563337.57	629.686	9.686	WASTE	NAG
2017	PIT	620	N620001	1902						0.04	0.04	7914590.025	563341.02	630.007	10.007	WASTE	NAG
2017	PIT	620	N620001	2102						0.005	0.07	7914584.756	563335.51	629.961	9.961	WASTE	NAG
2017	PIT	620	N620001	1602						0.005	0.08	7914598.76	563348.62	630.357	10.357	WASTE	NAG
2017	PIT	620	N620001	1503						0.005	0.08	7914603.378	563348.8	630.393	10.393	WASTE	NAG
2017	PIT	620	N620001	1504						0.005	0.06	7914605.814	563346.15	630.229	10.229	WASTE	NAG
2017	PIT	620	N620001	1703						0.005	0.08	7914597.904	563343.41	630.214	10.214	WASTE	NAG
2017	PIT	620	N620001	1704						0.005	0.07	7914600.773	563340.98	630.146	10.146	WASTE	NAG
2017	PIT	620	N620001	1903						0.005	0.06	7914592.669	563338.33	630.15	10.15	WASTE	NAG
2017	PIT	620	N620001	1904						0.005	0.16	7914595.507	563335.66	630.107	10.107	WASTE	NAG
2017	PIT	620	N620001	2103						0.005	0.16	7914587.067	563332.66	630.124	10.124	WASTE	NAG
2017	PIT	620	N620001	2104						0.21	0.11	7914589.814	563329.97	629.795	9.795	WASTE	NAG
2017	PIT	620	N620001	1502						0.03	0.08	7914601.77	563351.1	630.235	10.235	WASTE	NAG
2017	PIT	667	N667052	1202						0.01	0.01	7914739.183	563185.74	677.641	10.641	WASTE	NAG
2017	PIT	667	N667052	1510						0.02	0.01	7914773.511	563167	675.882	8.882	WASTE	NAG
2017	PIT	667	N667052	1605						0.01	0.02	7914749.755	563169.58	676.748	9.748	WASTE	NAG
2017	PIT	667	N667052	1607						0.11	0.02	7914758.182	563167.17	676.218	9.218	WASTE	NAG
2017	PIT	667	N667052	1612						0.01	0.01	7914778.879	563161.93	675.618	8.618	WASTE	NAG
2017	PIT	667	N667052	1713						0.21	0.01	7914784.096	563157.13	675.721	8.721	WASTE	NAG
2017	PIT	667	N667052	1810						0.05	0.02	7914768.609	563156.93	675.579	8.579	WASTE	NAG
2017	PIT	667	N667052	1812						0.01	0.01	7914776.986	563154.57	675.664	8.664	WASTE	NAG
2017	PIT	667	N667052	1909						0.01	0.01	7914765.555	563153.84	675.48	8.48	WASTE	NAG
2017	PIT	667	N667052	1911						0.01	0.05	7914774.147	563151.83	675.519	8.519	WASTE	NAG
2017	PIT	667	N667052	1300						0.05	0.03	7914733.94	563185.45	677.526	10.526	WASTE	NAG
2017	PIT	667	N667052	1609						0.06	0.04	7914766.663	563165.21	675.74	8.74	WASTE	NAG
2017	PIT	667	N667052	1404						0.01	0.03	7914747.16	563177.44	677.448	10.448	WASTE	NAG
2017	PIT	630	N630028	1001						0.05	0.06	7914475.733	563190.71	639.573	9.573	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620002	1003						0.005	0.01	7914565.908	563328.71	627.069	7.069	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620002	2019						0.03	0.02	7914537.059	563291.48	627.256	7.256	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620002	2021						0.005	0.005	7914533.302	563287.1	626.859	6.859	ORE:HEMATITE	NAG
2017	PIT	620	N620002	1018						0.01	0.005	7914536.925	563296.71	626.674	6.674	ORE:HEMATITE	NAG
2017	PIT	620	N620002	1022						0.005	0.1	7914530.171	563287.3	626.588	6.588	WASTE	NAG
2017	PIT	620	N620002	1009						0.005	0.01	7914554.393	563315.94	626.808	6.808	ORE:WASTE	NAG
2017	PIT	630	N630030	1000						0.005	0.01	7914460.009	563174.13	639.694	9.694	ORE:HEMATITE	NAG
2017	PIT	630	N630030	1100						0.01	0.04	7914457.911	563171.91	639.825	9.825	WASTE	NAG
2017	PIT	630	N630032	2319						0.19	0.02	7914486.528	563220.61	630.64	2.5	ORE:HEMATITE	NAG
2017	PIT	630	N630032	2425						0.06	0.02	7914497.551	563230.7	630.612	2.5	ORE:HEMATITE	NAG
2017	PIT	630	N630032	2423						0.05	0.02	7914494.467	563226.82	630.686	2.5	ORE:HEMATITE	NAG
2017	PIT	630	N630032	2323						0.005	0.01	7914492.662	563228.34	630.367	2.5	ORE:HEMATITE	NAG
2017	PIT	630	N630032	2319						0.03	0.01	7914486.528	563220.61	630.64	2.5	ORE:HEMATITE	NAG
2017	PIT	630	N630032	2205						0.06	0.005	7914462.841	563194.28	633.193	3.193	ORE:HEMATITE	NAG
2017	PIT	620	N620003	1509						0.005	0.02	7914561.621	563298.16	629.904	9.904	WASTE	NAG
2017	PIT	620	N620003	1603						0.005	0.07	7914574.749	563317	629.758	9.758	WASTE	NAG
2017	PIT	620	N620003	1507						0.005	0.05	7914566.065	563303.91	630.029	10.029	WASTE	NAG
2017	PIT	620	N620003	1609						0.005	0.09	7914559.577	563300.33	629.98	9.98	WASTE	NAG
2017	PIT	620	N620003	1602						0.005	0.07	7914577.184	563320.25	629.627	9.627	WASTE	NAG
2017	PIT	620	N620003	1605						0.005	0.05	7914569.726	563311.72	629.851	9.851	WASTE	NAG
2017	PIT	620	N620003	1407						0.02	0.17	7914569.28	563301.42	630.114	10.114	WASTE	NAG
2017	PIT	620	N620003	1505						0.005	0.05	7914572.121	563309.76	629.97	9.97	WASTE	NAG
2017	PIT	620	N620003	1607						0.005	0.08	7914564.63	563306.54	629.958	9.958	ORE:WASTE	NAG
2017	PIT	620	N620003	1703						0.005	0.03	7914572.314	563319.72	629.829	9.829	ORE:WASTE	NAG
2017	PIT	620	N620003	1707						0.03	0.07	7914562.023	563308.3	630.105	10.105	ORE:MAGNETITE	NAG
2017	PIT	620	N620003	1705						0.21	0.02	7914567.089	563314.24	629.913	9.913	ORE:MAGNETITE	NAG
2017	PIT	620	N620003	1701						0.01	0.11	7914577.324	563325.12	629.918	9.918	WASTE	NAG
2017	PIT	620	N620003	1109						0.04	0.13	7914571.616	563287.79	629.952	9.952	WASTE	NAG
2017	PIT	630	N630033	1209						0.01	0.01	7914460.294	563134.36	640.125	10.125	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630033	1009						0.01	0.01	7914467.132	563137.62	639.984	9.984	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630033	1208						0.01	0.01	7914457.226	563137.18	640.097	10.097	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620004	1006						0.18	0.06	7914535.23	563274.51	629.618	9.618	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620004	1102						0.01	0.03	7914547.367	563285.89	629.988	9.988	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620004	1004						0.03	0.13	7914539.771	563281.64	629.552	9.552	WASTE	NAG
2017	PIT	620	N620004	1008						0.32	0.03	7914528.601	563270.42	629.218	9.218	ORE:WASTE	NAG
2017	PIT	620	N620004	1100						0.01	0.04	7914552.733	563290.19	630.223	10.223	ORE:WASTE	NAG
2017	PIT	620	N620004	1202						0.03	0.05	7914550.238	563282.89	630.216	10.216	ORE:WASTE	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	620	N620004	1200						0.02	0.12	7914555.228	563287.7	630.269	10.269	ORE:WASTE	NAG
2017	PIT	620	N620004	1408						0.31	0.06	7914539.032	563259.82	629.684	9.684	ORE:WASTE	NAG
2017	PIT	620	N620004	1000						0.11	0.04	7914549.935	563292.53	630.433	10.433	ORE:MAGNETITE/HEM	NAG
2017	PIT	640	N640064	1410						0.03	0.09	7914337.453	563035.4	650.8	10.8	ORE:HEMATITE	NAG
2017	PIT	640	N640064	912						0.06	0.04	7914352.849	563041.47	650.437	10.437	ORE:HEMATITE	NAG
2017	PIT	640	N640064	1010						0.02	0.03	7914346.564	563046.34	650.372	10.372	ORE:HEMATITE	NAG
2017	PIT	640	N640064	1411						0.05	0.09	7914339.514	563032.85	650.765	10.765	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640064	1211						0.05	0.04	7914345.876	563036.5	650.809	10.809	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630034	1010						0.01	0.01	7914443.881	563127.51	639.953	9.953	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640066	1010						0.02	0.05	7914333.571	563031.29	650.5	10.5	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640066	1208						0.04	0.03	7914325.686	563030.1	651.162	11.162	ORE/WASTE: HEMATITE/GREEN SCHIST	NAG
2017	PIT	640	N640066	1408						0.02	0.08	7914319.734	563026.23	651.044	11.044	ORE/WASTE: HEMATITE/GREEN SCHIST	NAG
2017	PIT	640	N640066	1209						0.12	0.04	7914327.044	563028.26	650.982	10.982	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630035	1304						0.02	0.01	7914460.674	563112.98	640.209	10.209	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620005	1202						0.07	0.16	7914522.058	563256.6	629.502	9.502	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620005	1200						0.02	0.09	7914518.172	563260.75	629.404	9.404	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620005	1000						0.03	0.17	7914522.097	563266.58	629.391	9.391	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	620	N620005	1003						0.07	0.08	7914528.718	563259.17	629.518	9.518	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	620	N620005	1401						0.05	0.17	7914515.788	563253.16	629.356	9.356	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620005	1403						0.005	0.03	7914522.054	563247.4	629.407	9.407	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620005	1002						0.005	0.19	7914526.597	563261.27	629.285	9.285	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	101						0.005	0.005	7914426.766	563064.27	650.829	10.829	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	200						0.005	0.005	7914427.745	563067.61	650.44	10.44	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	103						0.005	0.005	7914421.354	563061.71	650.81	10.81	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	106						0.005	0.01	7914413.757	563057.13	650.278	10.278	WASTE	NAG
2017	PIT	640	N640067	204						0.005	0.005	7914413.705	563059.62	650.621	10.621	WASTE	NAG
2017	PIT	640	N640067	202						0.005	0.005	7914421.312	563064.35	650.725	10.725	WASTE	NAG
2017	PIT	640	N640067	1104						0.005	0.005	7914392.114	563058.55	650.326	10.326	ORE:HEMATITE	NAG
2017	PIT	640	N640067	1203						0.005	0.005	7914399.179	563059.67	650.379	10.379	ORE:HEMATITE	NAG
2017	PIT	640	N640067	1301						0.005	0.005	7914415.127	563064.92	650.668	10.668	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1201						0.005	0.005	7914407.786	563062.29	650.293	10.293	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	211						0.005	0.005	7914389.72	563045.74	649.953	9.953	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	206						0.005	0.005	7914406.893	563055.94	650.273	10.273	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	208						0.005	0.005	7914400.059	563051.67	650.082	10.082	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	109						0.005	0.01	7914405.97	563052.62	650.291	10.291	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1309						0.005	0.005	7914382.243	563046.2	650.398	10.398	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1305						0.005	0.005	7914398.905	563055.25	650.292	10.292	ORE:HEMATITE	NAG
2017	PIT	640	N640067	1205						0.01	0.005	7914391.081	563054.94	650.338	10.338	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1307						0.005	0.005	7914390.26	563050.65	650.327	10.327	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1207						0.01	0.005	7914382.605	563050.1	650.483	10.483	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1303						0.005	0.005	7914406.462	563059.47	650.318	10.318	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1313						0.01	0.01	7914365.406	563036.33	650.712	10.712	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	1112						0.01	0.01	7914358.86	563038.9	650.535	10.535	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	1211						0.01	0.01	7914366.275	563041.09	650.522	10.522	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	1311						0.01	0.01	7914373.986	563041.19	650.274	10.274	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	115						0.01	0.02	7914390.306	563043.56	649.819	9.819	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	118						0.01	0.01	7914382.34	563039.18	650.049	10.049	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	213						0.01	0.01	7914382.497	563042.15	649.972	9.972	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	216						0.01	0.01	7914372.161	563035.87	650.365	10.365	WASTE: TILL/GNEISS	NAG
2017	PIT	640	N640067	1209						0.01	0.01	7914374.155	563045.63	650.434	10.434	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640067	1110						0.01	0.01	7914366.477	563045	650.478	10.478	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620006	1000						0.01	0.01	7914565.519	563267.08	630.076	10.076	ORE:MAGNETITE	NAG
2017	PIT	620	N620006	1100						0.01	0.04	7914567.508	563265.06	629.974	9.974	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620006	1101	1	11	6.3	5	1.76	0.005	0.2	7914563.954	563262.12	629.875	9.875	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620006	1202						0.005	0.01	7914564.692	563257.94	629.804	9.804	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620006	1300						0.005	0.04	7914572.298	563260.92	629.876	9.876	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620006	1201						0.01	0.03	7914567.062	563260.46	629.871	9.871	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630036	1207						0.01	0.08	7914385.197	563116.66	639.894	9.894	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620007	1501							0.05	7914496.58	563233.36	629.825	9.825	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620007	1300							0.136	7914499.708	563240.32	629.853	9.853	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630037	1831							0.014	7914451.474	563174.88	632.218	2.5	WASTE	NAG
2017	PIT	630	N630037	1823							0.02	7914463.273	563185.67	631.912	2.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630037	1825							0.022	7914460.262	563182.78	632.171	2.5	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	NAG
2017	PIT	620	N620007	1302							0.079	7914503.633	563236.83	630.232	10.232	ORE:WASTE	NAG
2017	PIT	630	N630038	1301						0.04	0.006	7914576.301	563175.2	640.214	10.214	ORE:HEMATITE	NAG
2017	PIT	630	N630038	1212						0.01	0.008	7914608.099	563213.99	640.27	10.27	ORE:WASTE	NAG
2017	PIT	630	N630038	1207						0.26	0.016	7914591.311	563196.61	640.134	10.134	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630044	1003						0.01	0.04	7914738.989	563399.28	640.442	10.442	WASTE: CHLORITE SCHIST/GNEISS	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	630	N630044	1301						0.01	0.15	7914748.787	563411.84	640.282	10.282	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	620	N620012	1001						0.01	0.04	7914575.743	563271.72	630.082	10.082	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630039	1218						0.01	0.02	7914488.282	563118.19	639.778	9.778	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630039	100						0.01	0.01	7914456.824	563085.67	639.412	9.412	WASTE	NAG
2017	PIT	630	N630039	108						0.01	0.01	7914477.886	563097.38	639.604	9.604	ORE:HEMATITE	NAG
2017	PIT	630	N630039	202						0.01	0.01	7914462.637	563091.97	640.143	10.143	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630039	102						0.01	0.01	7914462.559	563089.02	639.389	9.389	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630039	104						0.01	0.01	7914467.355	563091.72	639.429	9.429	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630039	106						0.01	0.01	7914472.561	563094.64	639.507	9.507	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630039	214						0.02	0.01	7914504.17	563115.39	639.568	9.568	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630039	1006						0.05	0.03	7914541.288	563140.6	639.971	9.971	ORE:HEMATITE	NAG
2017	PIT	620	N620014	1202						0.01	0.05	7914600.252	563290.04	630.329	10.329	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620014	1501						0.02	0.07	7914603.126	563301.59	630.428	10.428	ORE:WASTE	NAG
2017	PIT	620	N620014	1403						0.01	0.18	7914608.424	563291.7	630.474	10.474	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620014	1002						0.05	0.07	7914597.596	563286.94	630.253	10.253	ORE:MAGNETITE	NAG
2017	PIT	620	N620011	1505						0.13	0.05	7914477.167	563192.41	629.646	9.646	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620011	1404						0.15	0.06	7914478.199	563196.6	629.599	9.599	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620011	1305						0.05	0.07	7914481.983	563197.53	629.571	9.571	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620011	1507						0.02	0.08	7914484.461	563185.78	629.968	9.968	ORE:WASTE	NAG
2017	PIT	630	N630047	1400						0.31	0.02	7914546.472	563142.93	639.92	9.92	ORE:WASTE	NAG
2017	PIT	630	N630047	1302						0.25	0.04	7914550.466	563149.66	639.881	9.881	ORE:WASTE	NAG
2017	PIT	620	N620016	1103						0.01	0.05	7914616.542	563302.31	630.175	10.175	ORE:MAGNETITE	NAG
2017	PIT	620	N620016	1403						0.01	0.11	7914628.423	563311.09	629.951	9.951	ORE:MAGNETITE	NAG
2017	PIT	620	N620016	1303						0.01	0.13	7914622.466	563309.66	630.057	10.057	ORE:WASTE	NAG
2017	PIT	630	N630047	211						0.05	0.01	7914583.781	563161.52	640.494	10.494	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630049	1501						0.02	0.03	7914771.589	563390.6	640.935	10.935	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630049	1502						0.03	0.07	7914770.952	563393.97	640.724	10.724	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630049	1200						0.04	0.06	7914762.279	563375.57	640.682	10.682	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630048	1197						0.34	0.03	7914593.767	563174.61	640.095	10.095	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630048	204						0.08	0.02	7914612.089	563190.91	640.337	10.337	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630048	99						0.4	0.01	7914600.407	563175.37	640.247	10.247	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630048	198						0.07	0.03	7914597.741	563175.68	639.795	9.795	ORE:HEMATITE	NAG
2017	PIT	630	N630048	1204						0.02	0.01	7914610.241	563193.94	640.219	10.219	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630048	202						0.01	0.02	7914606.707	563185.36	640.054	10.054	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630048	197						0.05	0.01	7914595.046	563172.27	639.979	9.979	ORE:MAGNETITE	NAG
2017	PIT	630	N630048	199						0.01	0.01	7914599.601	563177.59	639.782	9.782	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630048	200						0.01	0.01	7914601.016	563179.43	639.968	9.968	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630048	201						0.01	0.01	7914603.789	563182.28	639.873	9.873	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630048	1211						0.03	0.03	7914632.709	563218.12	640.187	10.187	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630048	206						0.05	0.03	7914617.727	563196.87	640.076	10.076	ORE:HEMATITE	NAG
2017	PIT	630	N630048	111						0.04	0.02	7914625.55	563201.57	639.976	9.976	ORE:HEMATITE	NAG
2017	PIT	630	N630048	108						0.08	0.03	7914619.237	563194.86	639.863	9.863	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630048	208						0.07	0.02	7914623.078	563202.65	640.139	10.139	ORE:HEMATITE	NAG
2017	PIT	630	N630048	1210						0.25	0.06	7914629.911	563214.81	640.064	10.064	WASTE	NAG
2017	PIT	630	N630048	207						0.09	0.03	7914620.415	563199.76	640.046	10.046	ORE:HEMATITE	NAG
2017	PIT	620	N620018	1203						0.01	0.08	7914463.831	563183.92	630.236	10.236	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620018	1403						0.01	0.04	7914455.84	563177.49	630.104	10.104	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620018	1502						0.02	0.03	7914449.051	563179.64	630.025	10.025	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620018	1103						0.01	0.04	7914466.574	563187.81	630.076	10.076	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620018	1503						0.01	0.07	7914452.621	563174.73	630.058	10.058	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620018	1501						0.01	0.02	7914443.86	563183.24	629.468	9.468	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620018	1500						0.01	0.03	7914442.397	563184.73	629.382	9.382	WASTE: GREEN SCHIST	NAG
2017	PIT	630	N630051	1501							0.075	7914788.251	563410.02	640.496	10.496	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630051	1300							0.071	7914785.807	563400.8	640.357	10.357	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630051	1302							0.078	7914780.009	563406.48	640.419	10.419	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630050	1000						0.01	0.08	7914733.94	563340.48	640.121	10.121	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630050	119						0.05	0.05	7914707.122	563287.61	640.019	10.019	ORE:HEMATITE	NAG
2017	PIT	630	N630050	214						0.02	0.09	7914707.198	563291.68	640.537	10.537	ORE:HEMATITE	NAG
2017	PIT	630	N630050	115						0.01	0.02	7914714.923	563296.51	640.325	10.325	ORE:HEMATITE	NAG
2017	PIT	630	N630050	212						0.01	0.03	7914712.91	563297.56	640.731	10.731	ORE:HEMATITE	NAG
2017	PIT	630	N630050	117						0.03	0.02	7914710.758	563292.57	640.629	10.629	ORE:WASTE	NAG
2017	PIT	630	N630050	111						0.005	0.03	7914723.379	563304.99	640.232	10.232	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630050	210						0.005	0.065	7914718.516	563302.96	640.284	10.284	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630050	107						0.005	0.05	7914731.598	563313.71	640.623	10.623	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630050	109						0.005	0.05	7914727.658	563309.34	640.51	10.51	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630050	105						0.02	0.03	7914735.819	563318.08	640.463	10.463	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630050	204						0.005	0.04	7914734.327	563320.1	640.388	10.388	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630050	200							0.016	7914744.457	563331.05	640.321	10.321	WASTE: CHLORITE SCHIST	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	630	N630050	202							0.019	7914739.908	563326.5	640.456	10.456	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	101						0.01	0.02	7914749.358	563332.26	640.569	10.569	WASTE	NAG
2017	PIT	630	N630053	102						0.01	0.02	7914751.791	563334.93	640.547	10.547	WASTE	NAG
2017	PIT	630	N630053	106						0.01	0.05	7914759.761	563343.84	640.377	10.377	WASTE: GREEN SCHIST	NAG
2017	PIT	630	N630053	103						0.01	0.01	7914753.345	563337.44	640.458	10.458	WASTE: GREEN SCHIST	NAG
2017	PIT	630	N630053	107						0.01	0.01	7914761.96	563346	640.242	10.242	WASTE	NAG
2017	PIT	630	N630053	104						0.01	0.01	7914755.935	563339.19	640.22	10.22	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	105						0.01	0.01	7914757.681	563341.27	640.344	10.344	WASTE	NAG
2017	PIT	630	N630053	108						0.27	0.01	7914764.144	563347.72	640.273	10.273	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	109						0.01	0.01	7914766.305	563349.83	640.366	10.366	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	110						0.17	0.01	7914768.428	563351.97	640.355	10.355	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	111						0.01	0.01	7914770.394	563354.31	640.255	10.255	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	112						0.13	0.01	7914772.422	563356.68	640.486	10.486	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	113						0.01	0.01	7914774.483	563359.21	640.28	10.28	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	114						0.01	0.08	7914776.375	563360.81	640.443	10.443	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	116						0.01	0.07	7914780.737	563365.39	640.219	10.219	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	204						0.02	0.04	7914757.594	563344.53	640.157	10.157	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	1305						0.01	0.11	7914755.945	563359.99	640.796	10.796	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	1307						0.04	0.08	7914762.201	563367.25	640.332	10.332	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	1308						0.09	0.1	7914765.798	563371.04	640.725	10.725	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	1205						0.01	0.02	7914755.69	563356.16	640.761	10.761	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	1206						0.01	0.11	7914758.314	563360.42	640.39	10.39	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630053	1207						0.01	0.18	7914761.418	563363.92	640.44	10.44	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630053	1208						0.01	0.13	7914765.156	563367.92	640.575	10.575	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630053	1209						0.26	0.16	7914768.638	563370.33	640.465	10.465	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630053	1211						0.47	0.19	7914774.936	563376.66	640.459	10.459	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630053	1104						0.01	0.06	7914755.528	563352.66	640.471	10.471	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	1002						0.01	0.05	7914749.471	563341.27	640.437	10.437	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630053	1003						0.01	0.02	7914753.031	563344.93	640.469	10.469	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	1010						0.13	0.06	7914776.289	563369.55	640.454	10.454	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630053	208						0.01	0.02	7914769.065	563356.81	640.119	10.119	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	209						0.01	0.01	7914771.61	563359.33	640.064	10.064	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	210						0.01	0.01	7914774.357	563362.15	639.964	9.964	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	211						0.01	0.01	7914777.225	563365.15	640.303	10.303	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630053	212						0.01	0.01	7914779.527	563367.73	640.277	10.277	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	620	N620024	1004						0.01	0.009	7914582.944	563229.93	630.153	10.153	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620024	1104						0.01	0.007	7914583.87	563225.73	630.053	10.053	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620024	1204						0.01	0.008	7914588.051	563225.15	630.112	10.112	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620024	1302						0.09	0.018	7914595.39	563228.16	630.44	10.44	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640032	1208						0.01	0.12	7914826.627	563397.78	650.447	10.447	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1306						0.01	0.02	7914835.186	563397.47	650.369	10.369	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1308						0.02	0.14	7914826.078	563393.68	650.365	10.365	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1408						0.01	0.02	7914829.69	563391.27	650.393	10.393	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1409						0.01	0.02	7914825.354	563389.41	650.284	10.284	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640032	1410						0.01	0.08	7914821.289	563387.91	650.369	10.369	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1005						0.01	0.12	7914838.686	563408.72	650.236	10.236	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1304						0.01	0.05	7914843.796	563401.23	650.59	10.59	ORE:WASTE	NAG
2017	PIT	640	N640032	1205						0.01	0.02	7914840.139	563403.38	650.186	10.186	ORE:WASTE	NAG
2017	PIT	640	N640032	1310						0.01	0.08	7914817.605	563389.7	650.415	10.415	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1206						0.01	0.04	7914835.564	563401.57	650.361	10.361	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1007						0.01	0.09	7914831.011	563404.01	651.092	11.092	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640032	1414						0.01	0.05	7914815.57	563384.43	650.553	10.553	ORE:WASTE	NAG
2017	PIT	640	N640032	1305						0.01	0.01	7914839.295	563399.4	650.362	10.362	ORE:WASTE	NAG
2017	PIT	640	N640032	1412						0.01	0.04	7914813.069	563383.53	650.405	10.405	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630057	1207						0.01	0.037	7914796.328	563414.81	640.371	10.371	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630057	1603						0.01	0.04	7914790.844	563438.36	640.381	10.381	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	620	N620026	1404						0.01	0.07	7914623.612	563245.67	630.076	10.076	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	NAG
2017	PIT	620	N620026	1104						0.01	0.1	7914615.55	563257.18	630.009	10.009	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620026	1206						0.01	0.08	7914624.596	563259.53	630.32	10.32	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630059	1209						0.03	0.12	7914786.967	563391.32	640.456	10.456	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630059	1410						0.23	0.13	7914785.347	563378.87	640.134	10.134	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630059	217						0.01	0.05	7914787.211	563372.36	639.869	9.869	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	216						0.01	0.09	7914788.992	563373.71	640.079	10.079	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	211						0.01	0.03	7914798.697	563384.98	640.482	10.482	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	215						0.01	0.07	7914790.961	563376.07	640.271	10.271	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	214						0.01	0.05	7914792.955	563378.42	640.548	10.548	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	213						0.01	0.01	7914795.209	563380.62	640.704	10.704	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	212						0.01	0.01	7914796.927	563382.85	640.598	10.598	WASTE: CHLORITE SCHIST	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	630	N630059	204						0.138	0.11	7914812.805	563400.84	640.203	10.203	ORE:WASTE	NAG
2017	PIT	630	N630059	1200						0.046	0.01	7914811.759	563419.95	640.504	10.504	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630059	202						0.17	0.13	7914816.703	563405.38	640.17	10.17	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630059	1201						0.065	0.03	7914808.901	563417.17	640.314	10.314	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630059	1300						0.05	0.02	7914813.296	563416.22	640.593	10.593	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630059	1301						0.075	0.04	7914810	563412.76	640.531	10.531	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630059	1306						0.121	0.09	7914793.56	563393.58	640.315	10.315	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	NAG
2017	PIT	630	N630059	111						0.235	0.18	7914789.896	563378.78	640.343	10.343	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	300						0.169	0.14	7914821.83	563407.72	640.477	10.477	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	301						0.108	0.08	7914819.947	563405.66	640.344	10.344	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	209						0.217	0.18	7914802.879	563389.56	640.567	10.567	WASTE	NAG
2017	PIT	630	N630059	210						0.138	0.11	7914800.614	563387.21	640.328	10.328	WASTE	NAG
2017	PIT	630	N630059	311						0.048	0.02	7914800.185	563383.48	640.805	10.805	WASTE	NAG
2017	PIT	630	N630059	308						0.186	0.16	7914806.443	563389.84	640.31	10.31	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	309						0.205	0.18	7914804.361	563387.8	640.283	10.283	WASTE	NAG
2017	PIT	630	N630059	310						0.188	0.15	7914802.407	563385.27	640.677	10.677	WASTE	NAG
2017	PIT	630	N630059	108						0.182	0.16	7914797.713	563387.82	640.507	10.507	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	302						0.132	0.11	7914818.041	563403.54	640.079	10.079	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630059	109						0.092	0.08	7914795.145	563384.75	640.616	10.616	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	307						0.2	0.18	7914808.207	563392.21	640.309	10.309	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630059	107	1	12	6.3	6	1.92	0.01	0.2	7914800.336	563390.78	640.36	10.36	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620020	900						0.005	0.03	7914444.765	563174.76	629.76	9.76	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620020	1001						0.01	0.02	7914439.233	563177.92	629.652	9.652	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620020	1002						0.005	0.02	7914441.09	563176.03	629.519	9.519	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620020	1003						0.005	0.01	7914446.531	563171.07	630.023	10.023	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620020	1101						0.01	0.04	7914434.43	563175.14	629.077	9.077	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620020	1102						0.01	0.03	7914438.893	563171.34	629.567	9.567	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	NAG
2017	PIT	630	N630055	1100						0.005	0.005	7914903.591	563490.51	639.955	9.955	WASTE	NAG
2017	PIT	630	N630055	1401						0.005	0.005	7914896.375	563484.81	640.254	10.254	WASTE	NAG
2017	PIT	630	N630055	1700						0.005	0.005	7914888.215	563481.96	640.087	10.087	WASTE	NAG
2017	PIT	630	N630055	1701						0.005	0.005	7914889.08	563479.8	640.1	10.1	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630055	1702						0.005	0.005	7914890.518	563477.12	640.069	10.069	WASTE	NAG
2017	PIT	630	N630055	1703						0.005	0.005	7914891.732	563474.84	640.177	10.177	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630055	2000						0.005	0.005	7914879.845	563477.85	640.028	10.028	WASTE	NAG
2017	PIT	630	N630055	2002						0.005	0.005	7914882.435	563472.92	640.053	10.053	ORE:HEMATITE	NAG
2017	PIT	630	N630055	2003						0.005	0.02	7914884.199	563470.16	639.994	9.994	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630055	2004						0.005	0.005	7914885.738	563467.63	639.92	9.92	WASTE	NAG
2017	PIT	630	N630058	210	1	10	6.3	4	1.6	0.01	0.2	7914832.383	563419.76	640.119	10.119	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	212						0.01	0.08	7914825.549	563416.34	640.227	10.227	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	1710						0.01	0.01	7914830.473	563422.66	640.161	10.161	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	114						0.01	0.01	7914828.732	563414.93	640.239	10.239	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	1014						0.01	0.01	7914805.768	563438.46	640.381	10.381	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	116						0.04	0.13	7914823.962	563412.56	640.32	10.32	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630058	1016						0.02	0.01	7914800.739	563435.34	640.71	10.71	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630058	1414						0.01	0.06	7914812.91	563425.15	640.579	10.579	ORE:HEMATITE	NAG
2017	PIT	630	N630058	1413						0.01	0.02	7914815.626	563426.33	640.51	10.51	ORE:HEMATITE	NAG
2017	PIT	630	N630058	1514						0.01	0.1	7914816.093	563422.33	640.395	10.395	WASTE	NAG
2017	PIT	630	N630058	1613						0.01	0.14	7914819.956	563420.51	640.36	10.36	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630058	1509						0.01	0.12	7914830.996	563430.22	640.07	10.07	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	1609						0.01	0.14	7914832.259	563427.25	640.176	10.176	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	108						0.01	0.09	7914845.173	563423.91	640.263	10.263	ORE:MAGNETITE	NAG
2017	PIT	630	N630058	208						0.04	0.14	7914838.911	563423.26	640.205	10.205	ORE:MAGNETITE	NAG
2017	PIT	630	N630058	206	1	4	6.3	-2	0.64	0.01	0.2	7914845.598	563426.73	639.962	9.962	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630058	1606						0.01	0.05	7914842.711	563432.56	640.111	10.111	ORE:MAGNETITE	NAG
2017	PIT	630	N630058	1605						0.01	0.01	7914845.881	563434.44	640.104	10.104	ORE:MAGNETITE	NAG
2017	PIT	630	N630058	200						0.01	0.11	7914865.396	563437.48	639.639	9.639	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630056	1004						0.04	0.03	7914882.282	563467.36	639.961	9.961	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630056	1203						0.01	0.01	7914877.977	563460.81	640.027	10.027	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630056	1602						0.01	0.14	7914866.781	563450.61	639.857	9.857	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640069	102						0.17	0.01	7914362.004	563027.8	650.688	10.688	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	104						0.02	0.01	7914357.093	563024.67	650.435	10.435	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	106						0.01	0.05	7914351.826	563021.56	650.731	10.731	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	108						0.01	0.03	7914346.553	563018.82	650.996	10.996	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	110						0.01	0.01	7914341.366	563015.72	650.988	10.988	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	112						0.01	0.01	7914336.023	563013.32	650.874	10.874	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	204						0.01	0.01	7914350.355	563024.05	650.679	10.679	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	208						0.03	0.01	7914336.91	563016.52	650.943	10.943	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1002						0.01	0.01	7914352.537	563029.32	650.831	10.831	WASTE: CHLORITE SCHIST/GNEISS	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	640	N640069	1004						0.01	0.01	7914344.524	563024.44	650.934	10.934	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1006						0.02	0.01	7914336.294	563019.86	650.89	10.89	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1008						0.07	0.01	7914328.203	563016.33	650.81	10.81	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1102						0.02	0.01	7914349.116	563029.32	650.914	10.914	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1104						0.01	0.01	7914340.281	563024.39	650.864	10.864	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1106						0.01	0.01	7914332.398	563022.04	650.965	10.965	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	640	N640069	1108						0.01	0.03	7914323.698	563018.21	651.061	11.061	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	640	N640069	114						0.01	0.01	7914330.663	563010.88	650.83	10.83	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	116						0.04	0.02	7914325.094	563008.45	650.712	10.712	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	210						0.03	0.01	7914329.882	563013.53	650.954	10.954	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	212						0.03	0.06	7914323.514	563010.6	650.75	10.75	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1010						0.05	0.01	7914319.353	563012.09	650.787	10.787	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1110						0.04	0.02	7914317.559	563015.02	650.633	10.633	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	1210						0.02	0.02	7914316.982	563017.77	650.651	10.651	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	117						0.02	0.01	7914322.3	563007.24	650.604	10.604	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	202						0.03	0.01	7914358.148	563028.26	650.607	10.607	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	640	N640069	206						0.02	0.04	7914343.862	563020.19	650.86	10.86	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	620	N620030	1303						0.13	0.04	7914416.994	563157.54	630.164	10.164	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640070	1008						0.01	0.02	7914310.125	563024.53	650.484	10.484	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640070	1009						0.01	0.01	7914311.26	563020.74	650.595	10.595	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640070	1209						0.01	0.05	7914307.363	563017.8	650.555	10.555	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640070	1208						0.01	0.01	7914304.929	563020.42	650.419	10.419	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630067	1101						0.005	0.17	7914730.285	563434.97	639.768	9.768	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630067	1102						0.01	0.08	7914734.169	563438.29	640.021	10.021	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630067	1536						0.005	0.08	7914782.889	563449.19	640.439	10.439	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630004R	1117						0.04	0.09	7914699.241	563419.95	636.946	6.946	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630004R	1017						0.04	0.04	7914698.153	563421.92	636.999	6.999	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630004R	1015						0.02	0.005	7914689.359	563418.29	636.17	6.17	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630004R	1115						0.01	0.02	7914690.642	563415.58	636.11	6.11	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	630	N630004R	1325						0.01	0.1	7914686.65	563401.31	635.318	5.318	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630004R	1327						0.01	0.11	7914694.565	563406.6	636.225	6.225	WASTE	NAG
2017	PIT	630	N630004R	1427						0.02	0.17	7914671.268	563387.77	633.468	3.468	ORE:MAGNETITE	NAG
2017	PIT	630	N630004R	1111						0.08	0.01	7914672.888	563405.68	634.435	4.435	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640072	909						0.05	0.01	7914304.817	563070.03	645.304	5.304	ORE:WASTE	NAG
2017	PIT	640	N640072	811						0.03	0.01	7914307.542	563074.44	643.2165	3.2165	ORE:WASTE	NAG
2017	PIT	640	N640072	908						0.05	0.01	7914302.94	563068.54	644.201	4.201	ORE:HEMATITE	NAG
2017	PIT	640	N640073	1201						0.08	0.04	7914296.93	563013.98	650.479	10.479	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640073	1000						0.01	0.01	7914311.703	563009.88	650.259	10.259	WASTE	NAG
2017	PIT	640	N640073	1002						0.01	0.01	7914303.784	563006.35	650.207	10.207	WASTE	NAG
2017	PIT	640	N640073	1001						0.02	0.01	7914307.403	563008.33	650.32	10.32	WASTE	NAG
2017	PIT	640	N640073	1101						0.01	0.01	7914301.339	563010	650.212	10.212	WASTE	NAG
2017	PIT	640	N640073	206						0.03	0.01	7914301.072	562997.28	649.872	9.872	WASTE	NAG
2017	PIT	640	N640073	1003						0.02	0.01	7914297.86	563002.9	649.883	9.883	WASTE	NAG
2017	PIT	640	N640073	200						0.03	0.01	7914317.958	563005.04	650.345	10.345	WASTE	NAG
2017	PIT	640	N640073	104						0.03	0.01	7914308.173	562998.09	649.956	9.956	WASTE	NAG
2017	PIT	640	N640073	102						0.03	0.01	7914314.013	563000.58	649.915	9.915	WASTE	NAG
2017	PIT	640	N640073	100						0.01	0.01	7914317.682	563002.03	650.211	10.211	WASTE	NAG
2017	PIT	640	N640073	106						0.02	0.01	7914302.229	562995.17	649.78	9.78	WASTE	NAG
2017	PIT	640	N640073	300						0.03	0.01	7914315.875	563007.31	650.45	10.45	WASTE	NAG
2017	PIT	640	N640073	204						0.02	0.01	7914306.622	562999.84	649.954	9.954	WASTE	NAG
2017	PIT	640	N640073	303						0.01	0.01	7914304.77	563002.91	649.994	9.994	WASTE	NAG
2017	PIT	640	N640073	1004						0.01	0.01	7914292.263	563001.36	649.892	9.892	WASTE	NAG
2017	PIT	640	N640073	202						0.01	0.01	7914312.342	563002.76	650.12	10.12	WASTE	NAG
2017	PIT	640	N640073	104						0.04	0.05	7914308.173	562998.09	649.956	9.956	WASTE	NAG
2017	PIT	640	N640073	1102						0.06	0.07	7914297.342	563009.12	650.042	10.042	WASTE	NAG
2017	PIT	640	N640073	1103						0.05	0.11	7914292.513	563007	649.96	9.96	WASTE	NAG
2017	PIT	640	N640073	1202						0.19	0.04	7914293.701	563012.3	650.156	10.156	ORE/WASTE: HEMATITE/GREEN SCHIST	NAG
2017	PIT	630	N630069	1305						0.01	0.13	7914792.373	563465.87	639.971	9.971	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	NAG
2017	PIT	630	N630069	1002						0.01	0.04	7914792.893	563444.11	640.358	10.358	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630069	1101						0.01	0.05	7914797.827	563444.74	640.302	10.302	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	200						0.02	0.04	7914291.873	562993.26	650.12	10.12	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	300						0.03	0.03	7914289.75	562994.98	650.091	10.091	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1104						0.05	0.03	7914261.947	563013.76	651.003	11.003	ORE: LIMONITE/HEMATITE	NAG
2017	PIT	640	N640072	1318						0.05	0.05	7914327.853	563076.97	643.3045	3.3045	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640074	203						0.02	0.02	7914285.843	562990.54	650.045	10.045	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	204						0.01	0.02	7914283.808	562989.57	650.046	10.046	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	205						0.06	0.02	7914281.839	562988.64	649.949	9.949	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1109						0.05	0.04	7914276.622	563001.12	650.491	10.491	ORE:HEMATITE/MAG	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	640	N640074	1110						0.04	0.05	7914279.107	562998.96	650.307	10.307	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640074	1111						0.02	0.03	7914281.062	562997.32	650.17	10.17	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1112						0.04	0.04	7914282.922	562995.62	650.16	10.16	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1208						0.04	0.03	7914272.999	562998.98	650.748	10.748	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640074	1209						0.08	0.05	7914276.04	562996.33	650.404	10.404	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640074	1210						0.03	0.02	7914279.04	562993.76	650.244	10.244	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1305						0.1	0.04	7914257.717	563006.85	651.581	11.581	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1309						0.03	0.03	7914268.412	562997.7	651.237	11.237	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1310						0.05	0.03	7914271.991	562994.6	650.65	10.65	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1311						0.16	0.04	7914274.903	562991.93	650.264	10.264	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	1010						0.02	0.03	7914284.236	562999.81	650.091	10.091	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	640	N640074	201						0.02	0.02	7914289.841	562992.36	650.075	10.075	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	202						0.02	0.02	7914288.109	562991.23	650.19	10.19	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	301						0.03	0.03	7914285.714	562993.25	650	10	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	302						0.02	0.01	7914281.763	562991.33	650.16	10.16	WASTE: CHLORITE SCHIST	NAG
2017	PIT	640	N640074	303						0.17	0.01	7914277.8	562989.56	650.007	10.007	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630071	1001						0.01	0.03	7914792.091	563486.05	640.065	10.065	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630071	1112						0.01	0.11	7914820.392	563452.74	640.112	10.112	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	630	N630071	1212						0.01	0.14	7914823.892	563455.58	639.991	9.991	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	630	N630071	1501						0.01	0.02	7914790.913	563488.09	640.101	10.101	ORE:MAGNETITE/HEM	NAG
2017	PIT	630	N630071	1308						0.01	0.1	7914814.925	563475.26	640.171	10.171	ORE/WASTE: MAGNETITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	630	N630071	1101						0.01	0.01	7914796.378	563486.98	639.882	9.882	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	630	N630071	1302						0.01	0.01	7914803.78	563491.15	639.84	9.84	WASTE: CHLORITE SCHIST/GNEISS	NAG
2017	PIT	620	N620033	1102						0.28	0.05	7914401.564	563147.41	629.733	9.733	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620033	1202						0.01	0.04	7914396.535	563147.06	629.691	9.691	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	620	N620033	1002						0.24	0.01	7914404.49	563150.39	629.632	9.632	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	620	N620033	1302						0.01	0.04	7914393.808	563143.91	629.625	9.625	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	640	N640075	1008						0.01	0.01	7914264.31	562993.32	649.132	9.132	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	640	N640075	1009						0.01	0.01	7914266.678	562989.68	649.293	9.293	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640075	301						0.13	0.01	7914264.641	562984.62	648.974	8.974	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	204						0.05	0.02	7914258.434	562978.3	648.599	8.599	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	303						0.005	0.005	7914256.819	562980.93	648.468	8.468	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	300						0.005	0.01	7914268.344	562986.46	649.016	9.016	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	302						0.22	0.01	7914260.636	562982.92	648.934	8.934	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	202						0.2	0.005	7914265.147	562981.3	648.971	8.971	WASTE: GREEN SCHIST	NAG
2017	PIT	640	N640075	100						0.04	0.01	7914274.023	562983.02	648.752	8.752	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640075	101						0.11	0.01	7914270.325	562981.39	649.016	9.016	ORE/WASTE: HEMATITE/CHLORITE SCHIST	NAG
2017	PIT	640	N640075	1207						0.21	0.005	7914259.145	562986.64	649.154	9.154	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	640	N640075	1107						0.05	0.01	7914260.592	562991.22	649.205	9.205	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	640	N640075	1108						0.35	0.01	7914263.049	562988.51	649.277	9.277	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	640	N640076	1403						0.06	0.005	7914218.354	562998.44	646.308	6.308	ORE:HEMATITE	NAG
2017	PIT	640	N640076	1100						0.04	0.005	7914220.037	563009.35	644.184	4.184	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	640	N640076	1709						0.005	0.005	7914225.358	562979.47	647.422	7.422	ORE/WASTE: HEMATITE/BIF	NAG
2017	PIT	630	N630078	1007						0.01	0.03	7914842.888	563471.25	640.063	10.063	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	1105						0.01	0.06	7914838.015	563486.54	640.12	10.12	ORE:WASTE	NAG
2017	PIT	630	N630078	111						0.01	0.16	7914852.542	563473.21	640.116	10.116	ORE:WASTE	NAG
2017	PIT	630	N630078	103						0.01	0.01	7914847.982	563502.96	640.063	10.063	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	105						0.01	0.03	7914848.99	563495.31	640.112	10.112	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	107						0.01	0.01	7914850.292	563488.12	640.058	10.058	ORE:SPECULARITE/MAG	NAG
2017	PIT	630	N630078	205						0.01	0.03	7914845.81	563496.5	640.3	10.3	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	305						0.01	0.03	7914843.912	563492.15	640.375	10.375	ORE/WASTE:SPECULARITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630078	1107						0.01	0.07	7914841.391	563479.63	640.144	10.144	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	1106						0.01	0.02	7914840.547	563483.92	640.145	10.145	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630078	1205						0.01	0.02	7914839.989	563489.74	640.199	10.199	ORE/WASTE:SPECULARITE/CHLORITE SCHIST	NAG
2017	PIT	630	N630083	1407						0.01	0.03	7914314.718	563068.02	639.949	9.949	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630083	1508						0.01	0.02	7914305.818	563071.02	640.033	10.033	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630077	199						0.01	0.01	7914453.984	563084.51	640.19	10.19	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	200						0.01	0.01	7914451.552	563082.98	640.311	10.311	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	201						0.01	0.03	7914448.719	563081.39	640.341	10.341	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	202						0.01	0.03	7914445.629	563079.47	640.48	10.48	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	203						0.01	0.04	7914442.33	563077.6	640.533	10.533	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	300						0.01	0.01	7914450.315	563085.92	640.194	10.194	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	204						0.01	0.01	7914439.102	563075.68	640.499	10.499	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	205						0.01	0.01	7914435.613	563073.67	640.515	10.515	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	206						0.01	0.01	7914432.5	563071.91	640.59	10.59	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	207						0.01	0.01	7914429.573	563069.93	640.516	10.516	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	208						0.01	0.01	7914426.266	563068.42	640.576	10.576	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	209						0.01	0.01	7914422.935	563066.5	640.409	10.409	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	630	N630077	210						0.01	0.01	7914419.891	563065.12	640.44	10.44	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	211						0.01	0.01	7914416.82	563063.07	640.301	10.301	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	212						0.01	0.01	7914413.436	563061.41	640.119	10.119	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	213						0.01	0.02	7914410.521	563059.29	639.853	9.853	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	301						0.01	0.01	7914445.692	563083.26	640.443	10.443	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	302						0.01	0.01	7914442.008	563081.08	640.448	10.448	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	303						0.01	0.03	7914437.668	563078.44	640.405	10.405	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	304						0.01	0.03	7914433.859	563076.07	640.508	10.508	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	305						0.01	0.01	7914429.183	563073.4	640.515	10.515	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	306						0.01	0.01	7914424.982	563071.11	640.483	10.483	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	307						0.01	0.01	7914420.68	563068.56	640.442	10.442	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	308						0.01	0.01	7914416.254	563066.27	640.413	10.413	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	309						0.01	0.02	7914412.483	563063.92	640.205	10.205	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	310						0.01	0.01	7914408.055	563061.51	639.969	9.969	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	630	N630077	1202						0.01	0.01	7914438.293	563083.85	639.919	9.919	ORE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	630	N630077	1203						0.01	0.01	7914432.987	563080.83	640.051	10.051	ORE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	630	N630077	1204						0.01	0.01	7914428.394	563077.79	640.08	10.08	ORE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	630	N630077	1205						0.01	0.01	7914423.314	563075	640.031	10.031	ORE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	630	N630077	1207						0.01	0.01	7914413.18	563069.07	640.388	10.388	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630077	1208						0.01	0.01	7914408.082	563066.46	640.273	10.273	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630077	1209						0.01	0.01	7914403.183	563063.51	640.04	10.04	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620034	1003						0.01	0.01	7914692.923	563381.54	629.506	9.506	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620034	1004						0.01	0.01	7914695.132	563377.17	629.892	9.892	WASTE: GREEN SCHIST	NAG
2017	PIT	620	N620034	1203						0.01	0.03	7914696.779	563386.3	630.175	10.175	WASTE: GREEN SCHIST/CHLORITE SCHIST	NAG
2017	PIT	620	N620034	1100						0.01	0.02	7914687.646	563390.84	630.25	10.25	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	NAG
2017	PIT	620	N620034	1201						0.01	0.01	7914690.547	563394.14	630.618	10.618	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	640	N640078	619						0.02	0.01	7914238.809	563023.82	645.51	5.51	ORE:HEMATITE/MAG	NAG
2017	PIT	640	N640078	819						0.05	0.01	7914235.822	563027.01	645.116	5.116	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630085	216						0.01	0.01	7914400.876	563054.13	639.457	9.457	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	217						0.01	0.01	7914397.751	563052.42	639.772	9.772	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	218						0.01	0.05	7914394.573	563050.41	639.905	9.905	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	221						0.01	0.01	7914384.848	563045.13	640.227	10.227	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	223						0.01	0.01	7914378.808	563041.56	640.235	10.235	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	225						0.01	0.01	7914372.408	563037.68	640.012	10.012	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	227						0.01	0.01	7914366.012	563034.26	640.179	10.179	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	312						0.01	0.01	7914399.069	563056.59	639.38	9.38	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	314						0.01	0.01	7914390.941	563051.87	639.965	9.965	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	318						0.01	0.01	7914374.333	563042.4	640.108	10.108	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1111						0.01	0.01	7914393.32	563061.16	640.322	10.322	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1112						0.01	0.01	7914389.556	563060.19	640.365	10.365	ORE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	630	N630085	1113						0.01	0.01	7914384.085	563056.25	640.269	10.269	ORE/WASTE: HEMATITE/LIM/CHLORITE SCHIST	NAG
2017	PIT	630	N630085	1115						0.01	0.01	7914374.005	563050.95	640.394	10.394	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1116						0.01	0.01	7914368.519	563048.48	640.251	10.251	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1117						0.01	0.01	7914363.147	563045.9	640.529	10.529	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1211						0.01	0.01	7914392.692	563057.83	640.168	10.168	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630085	1212						0.01	0.01	7914386.297	563054	640.191	10.191	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620035	1315						0.01	0.01	7914467.787	563134.41	630.46	10.46	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	620	N620042	1306						0.01	0.03	7914821.087	563421.7	631.071	11.071	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620042	1407						0.01	0.01	7914816.933	563422.27	631.051	11.051	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620042	1506						0.01	0.01	7914818.094	563425.73	631.064	11.064	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620042	1607						0.01	0.01	7914814.126	563426.32	631.218	11.218	ORE:HEMATITE/MAG	NAG
2017	PIT	620	N620042	1105						0.19	0.09	7914827.255	563418.53	630.976	10.976	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1203						0.07	0.12	7914830.079	563424.6	631.404	11.404	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1104						0.16	0.14	7914829.479	563420.51	631.086	11.086	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1302	1	9	6.3	3	1.44	0.01	0.2	7914830.85	563428.85	631.68	11.68	WASTE: CHLORITE SCHIST	NAG
2017	PIT	630	N630085	316						0.01	0.01	7914382.714	563047.3	640.224	10.224	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	320						0.01	0.01	7914366.041	563037.71	640.126	10.126	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1118						0.01	0.01	7914359.667	563043.54	640.56	10.56	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1119						0.01	0.01	7914356	563041.5	640.544	10.544	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1214						0.01	0.01	7914376.495	563048.45	640.2485	10.2485	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	630	N630085	1216						0.01	0.01	7914366.314	563042.84	640.1075	10.1075	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	620	N620035	1017						0.01	0.01	7914453.809	563140.38	630.204	10.204	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620035	1217						0.01	0.01	7914458.735	563133.78	630.516	10.516	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	630	N630085	1218						0.07	0.01	7914358.15	563038.18	640.27	10.27	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	620	N620037	1103						0.01	0.01	7914710.677	563394.47	630.661	10.661	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620037	1204						0.01	0.04	7914715.352	563395.08	630.716	10.716	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1308						0.01	0.04	7914816.502	563418.05	631.021	11.021	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620042	1409						0.01	0.02	7914812.22	563418.36	631.129	11.129	ORE:MAGNETITE/HEM	NAG

TABLE E.6.2 - DEPOSIT NO. 1 NAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	620	N620042	1508						0.01	0.01	7914813.153	563422.36	631.181	11.181	ORE:MAGNETITE/HEM	NAG
2017	PIT	620	N620042	1609						0.01	0.01	7914809.321	563422.79	631.364	11.364	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620042	1611						0.01	0.01	7914804.198	563418.97	631.252	11.252	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620042	1710						0.01	0.01	7914805.082	563423.34	631.271	11.271	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620042	1720						0.01	0.06	7914781.976	563406.14	630.983	10.983	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1817						0.01	0.04	7914786.551	563413.1	631.16	11.16	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620042	2009						0.01	0.03	7914801.819	563432.26	631.057	11.057	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1110						0.01	0.12	7914815.332	563409.72	631.07	11.07	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	NAG
2017	PIT	620	N620037	1002						0.01	0.02	7914703.396	563397.97	630.854	10.854	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620037	1102						0.01	0.02	7914707.642	563398.4	630.735	10.735	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620037	1302						0.01	0.02	7914713.961	563404.37	630.826	10.826	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1615						0.01	0.05	7914794.497	563412.05	631.279	11.279	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620042	1714						0.01	0.03	7914795.47	563416.57	631.251	11.251	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620042	1813						0.01	0.19	7914795.914	563420.19	631.206	11.206	WASTE: RED CLAY ALTERATION	NAG
2017	PIT	620	N620042	1920						0.01	0.08	7914777.775	563410.66	630.824	10.824	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620042	2017						0.01	0.07	7914782.808	563417.9	631.088	11.088	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	2114						0.01	0.06	7914783.111	563422.3	631.024	11.024	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	2116						0.01	0.04	7914778.617	563418.42	630.988	10.988	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1019						0.01	0.17	7914795.82	563391.23	630.613	10.613	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1205	1	12	6.3	6	1.92	0.01	0.2	7914825.186	563420.76	631.164	11.164	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	2106						0.01	0.08	7914802.216	563436.48	630.836	10.836	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1809						0.01	0.02	7914805.43	563427.3	631.255	11.255	ORE/WASTE:SPECULARITE/MAGNETITE/CHLORITE SCHIST	NAG
2017	PIT	620	N620042	1918						0.38	0.07	7914782.255	563413.69	631.101	11.101	WASTE: CHLORITE SCHIST/LIM	NAG
2017	PIT	620	N620042	1310						0.01	0.06	7914811.719	563414.46	631.159	11.159	ORE:LIMONITE/HEMATITE	NAG
2017	PIT	630	N630086	1208						0.01	0.02	7914303.325	563052.29	640.929	10.929	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	620	N620038	1105						0.1	0.132	7914728.518	563343.86	630.619	10.619	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	620	N620038	100						0.01	0.07	7914753.742	563357.77	630.518	10.518	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620039	1003						0.09	0.05	7914389.882	563136.86	629.853	9.853	ORE:WASTE	NAG
2017	PIT	620	N620040	1705						0.01	0.01	7914760.582	563380.29	630.149	10.149	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620040	1806						0.03	0.11	7914762.573	563370.39	630.275	10.275	WASTE	NAG
2017	PIT	620	N620040	1805						0.01	0.05	7914759.748	563373.91	630.52	10.52	WASTE	NAG
2017	PIT	620	N620040	1906						0.01	0.1	7914758.682	563367.37	630.534	10.534	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620040	1403						0.01	0.07	7914769.028	563392.43	630.264	10.264	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	630	N630088	1207						0.01	0.03	7914288.436	563049.11	640.524	10.524	ORE:HEMATITE	NAG
2017	PIT	630	N630088	1009						0.01	0.03	7914294.946	563047.54	640.853	10.853	ORE:HEMATITE	NAG
2017	PIT	620	N620040	1203						0.01	0.04	7914773.357	563401.99	630.335	10.335	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620040	1302						0.01	0.06	7914769.612	563398.96	630.391	10.391	WASTE	NAG
2017	PIT	620	N620040	1306						0.09	0.19	7914780.983	563384.38	630.243	10.243	ORE:WASTE	NAG
2017	PIT	620	N620043	1107						0.01	0.09	7914615.675	563225.83	630.779	10.779	ORE:HEMATITE	NAG
2017	PIT	620	N620043	1109						0.01	0.01	7914609.272	563218.1	630.587	10.587	ORE:WASTE	NAG
2017	PIT	620	N620043	1108						0.01	0.02	7914612.213	563222.43	630.485	10.485	ORE:HEMATITE/MAG	NAG
2017	PIT	630	N630088	1210						0.01	0.04	7914293.356	563043.01	640.999	10.999	ORE:HEMATITE	NAG
2017	PIT	620	N620043	1110						0.18	0.05	7914604.116	563213.93	630.53	10.53	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620043	1104						0.01	0.05	7914627.112	563237.54	631.034	11.034	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620043	318						0.44	0.04	7914582.912	563185.1	630.809	10.809	ORE:WASTE	NAG
2017	PIT	620	N620043	319						0.24	0.01	7914579.661	563181.59	630.973	10.973	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640079	1107						0.22	0.01	7914214.812	562980.03	646.778	6.778	ORE:WASTE	NAG
2017	PIT	640	N640079	1108						0.01	0.01	7914216.728	562978.53	646.586	6.586	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	640	N640079	1308						0.01	0.01	7914210.983	562976.42	646.142	6.142	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620046	226						0.01	0.01	7914485.117	563120.82	630.467	10.467	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620046	320						0.01	0.03	7914481.067	563122.2	630.467	10.467	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620046	1019						0.09	0.01	7914480.217	563126.01	630.755	10.755	WASTE/ORE: CHLORITE SCHIST/HEMATITE	NAG
2017	PIT	620	N620046	1119						0.01	0.02	7914475.804	563128.72	630.751	10.751	WASTE: CHLORITE SCHIST	NAG
2017	PIT	620	N620046	1219						0.01	0.01	7914474.75	563131.9	630.637	10.637	ORE:HEMATITE	NAG
2017	PIT	640	N640079	1100						0.02	0.01	7914200.253	562995.49	644.08	4.08	ORE:HEMATITE	NAG
2017	PIT	640	N640079	1103						0.32	0.01	7914206.732	562988.97	645.693	5.693	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1104						0.12	0.01	7914208.755	562986.52	646.113	6.113	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1110						0.05	0.01	7914219.167	562975.7	647.613	7.613	WASTE: SILICIFIED GRANITE	NAG
2017	PIT	640	N640079	1300						0.05	0.01	7914195.598	562992.39	644.198	4.198	ORE:HEMATITE	NAG
2017	PIT	640	N640079	1301						0.18	0.01	7914196.96	562990.98	644.498	4.498	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1302						0.04	0.01	7914198.32	562989.31	644.892	4.892	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1303						0.08	0.01	7914200.527	562987.1	645.185	5.185	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1304						0.19	0.01	7914202.714	562985.23	645.51	5.51	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1305						0.03	0.01	7914204.84	562982.9	645.752	5.752	ORE/WASTE:RED CLAY ALTERATION/HEMATITE	NAG
2017	PIT	640	N640079	1309						0.01	0.01	7914212.719	562974.81	646.185	6.185	WASTE: SILICIFIED GRANITE	NAG

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

TABLE E.6.3 - DEPOSIT NO. 1 PAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	675	N675021	12	1	9	10.3	-1	0.87	0.06	0.33	7914658.6	563195.05	685.534	10.534	WASTE	PAG
2017	PIT	650	Pit Expansion TH	55						0.05	0.28	7914330.9	563024.96	659.087	9	WASTE	PAG
2017	PIT	675		140	1	0	8.1	-8	0	0.06	0.26	7914694.3	563238.09	526.65	2.5	ORE	PAG
2017	PIT	675	N675GDH	1600	1	1	18.1	-17	0.06	0.01	0.58	7914709.2	563250.93	526.65	2.5	WASTE	PAG
2017	PIT	675	N675GDH	230	1	3	11.6	-9	0.26	0.01	0.37	7914723.9	563266.04	526.65	2.5	ORE/WASTE	PAG
2017	PIT	675	N675GDH	420	1	5	17.5	-13	0.29	0.005	0.56	7914756.2	563288.64	526.65	2.5	ORE	PAG
2017	PIT	675	N675GDH	4200	1	10	8.1	2	1.23	0.005	0.26	7914756.2	563288.64	526.65	2.5	WASTE	PAG
2017	PIT	675	N675GDH	220	1	9	7.8	1	1.15	0.02	0.25	7914771.2	563302.01	526.65	2.5	WASTE	PAG
2017	PIT	630	N630010	1112	1	-4	115.9	-120	-0.03	0.04	3.71	7914642.4	563296.08	640.551	10.551	ORE:LIMONITE/MAGNETITE	PAG
2017	PIT	630	N630010	1413	1	22	10.6	11	2.07	0.04	0.34	7914635	563287.51	640.095	10.095	WASTE: GREEN SCHIST	PAG
2017	PIT	630	N630010	1213	1	11	27.8	-17	0.4	0.09	0.89	7914640	563293.04	640.538	10.538	WASTE: GREEN SCHIST	PAG
2017	PIT	630	N630010	1512	1	12	13.4	-1	0.89	0.02	0.43	7914632.2	563284.88	640.087	10.087	WASTE: GREEN SCHIST	PAG
2017	PIT	630	N630010	1409	1	5	12.5	-8	0.4	0.07	0.4	7914622.6	563299.22	640.408	10.408	ORE:LIMONITE/MAGNETITE	PAG
2017	PIT	630	N630010	1312	1	11	15.6	-5	0.7	0.09	0.5	7914637.1	563289.83	640.305	10.305	WASTE: GREEN SCHIST	PAG
2017	PIT	640	N640043	1004	1	1	11.6	-11	0.09	0.17	0.37	7914501.4	563197.1	650.204	10.204	ORE/WASTE: HEMATITE/GREEN SCHIST	PAG
2017	PIT	640	N640043	1203						0.09	0.25	7914494.9	563194.12	649.512	9.512	WASTE: GREEN SCHIST	PAG
2017	PIT	640	N640043	1204	1	-7	70.9	-78	-0.1	0.09	2.27	7914496.7	563192.43	649.497	9.497	WASTE: GREEN SCHIST	PAG
2017	PIT	640	N640043	1404	1	1	8.8	-8	0.11	0.08	0.28	7914491.8	563186.75	649.696	9.696	WASTE	PAG
2017	PIT	640	N640043	1403	1	0	8.8	-9	0	0.05	0.28	7914489.8	563188.19	649.47	9.47	WASTE	PAG
2017	PIT	630	N630012	1307	1	3	31.3	-28	0.1	0.005	1	7914606.4	563285.42	639.997	9.997	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630012	1408	1	2	83.1	-81	0.02	0.005	2.66	7914605.4	563281	639.875	9.875	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630012	1107	1	9	108.8	-100	0.08	0.005	3.48	7914611.9	563290.24	640.115	10.115	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	630	N630014	1209	1	6	59.4	-53	0.1	0.2	1.9	7914595.3	563267.94	639.928	9.928	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630015	1209	1	3	38.8	-36	0.08	0.07	1.24	7914575.7	563253.9	640.521	10.521	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	640	N640050	1215	1	1	8.1	-7	0.12	0.03	0.26	7914759.5	563357.84	649.977	9.977	ORE:HEMATITE	PAG
2017	PIT	630	N630016	1106	1	5	37.2	-32	0.13	0.5	1.19	7914559.9	563240.48	640.56	10.56	ORE:HEMATITE/MAG	PAG
2017	PIT	630	N630016	1306	1	1	65.9	-65	0.02	0.09	2.11	7914554.8	563234.99	640.292	10.292	ORE:WASTE	PAG
2017	PIT	630	N630016	1506	1	6	38.1	-32	0.16	0.52	1.22	7914549.1	563229.36	640.474	10.474	ORE:WASTE	PAG
2017	PIT	630	N630017	1103	1	10	9.4	1	1.07	0.005	0.3	7914631.7	563276.38	640.202	10.202	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630018	1009	1	11	21.9	-11	0.5	0.2	0.7	7914543	563225.22	640.332	10.332	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630020	1402	1	4	19.7	-16	0.2	0.02	0.63	7914507.7	563204.03	639.878	9.878	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630026	1202	1	5	22.2	-17	0.23	0.06	0.71	7914494.3	563194.75	640.416	10.416	ORE:MAGNETITE/HEM	PAG
2017	PIT	630	N630026	1102						0.11	0.86	7914496.7	563197.46	639.939	9.939	ORE:MAGNETITE	PAG
2017	PIT	630	N630026	1103	1	4	56.6	-53	0.07	0.005	1.81	7914499.1	563194.44	640.167	10.167	ORE:HEMATITE	PAG
2017	PIT	620	N620001	1102	1	2	9.4	-7	0.21	0.005	0.3	7914611.4	563362.24	629.898	9.898	WASTE	PAG
2017	PIT	620	N620001	1505	1	10	9.4	1	1.07	0.005	0.3	7914608.4	563343.48	630.021	10.021	WASTE	PAG
2017	PIT	620	N620001	1705	1	10	7.2	3	1.39	0.005	0.23	7914603.1	563337.99	629.85	9.85	WASTE	PAG
2017	PIT	620	N620001	1909	1	6	12.2	-6	0.49	0.01	0.39	7914608.5	563321.8	629.853	9.853	ORE:WASTE	PAG
2017	PIT	630	N630029	123						0.005	0.59	7914716.5	563385.21	640.14	10.14	WASTE: GREEN SCHIST	PAG
2017	PIT	620	N620003	1409	1	6	20.6	-15	0.29	0.005	0.66	7914563.7	563296.16	630.077	10.077	WASTE	PAG
2017	PIT	620	N620005	1400	1	6	11.6	-6	0.52	0.05	0.37	7914514.2	563254.86	629.24	9.24	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620005	1001	1	2	12.5	-11	0.16	0.03	0.4	7914523.2	563264.6	629.589	9.589	ORE:MAGNETITE/HEM	PAG
2017	PIT	620	N620006	1310	1	3	45	-42	0.07	0.12	1.44	7914539.4	563225.87	629.963	9.963	ORE:MAGNETITE/HEM	PAG
2017	PIT	620	N620006	1404	1	-1	166.9	-168	-0.01	0.01	5.34	7914563.3	563246.28	630.202	10.202	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620006	1406	1	3	109.1	-106	0.03	0.01	3.49	7914556.7	563239.01	630.23	10.23	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	620	N620006	1500	1	5	57.2	-52	0.09	0.14	1.83	7914574.8	563254.11	629.537	9.537	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	620	N620007	1002	1	8	6.9	1	1.16	0.15	0.22	7914510.4	563244.15	629.858	9.858	ORE:MAGNETITE/HEM	PAG
2017	PIT	620	N620009	1009	1	2	21.3	-19	0.09	0.01	0.68	7914511.3	563209.99	630.139	10.139	ORE:LIMONITE/HEMATITE	PAG
2017	PIT	620	N620009	1407	1	4	31.6	-28	0.13	0.04	1.01	7914501.3	563201.47	629.84	9.84	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	630	N630042	1002	1	8	10.3	-2	0.78	0.02	0.33	7914721.6	563390.69	640.266	10.266	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630042	1204	1	6	35	-29	0.17	0.01	1.12	7914727.7	563386.82	640.311	10.311	ORE:MAGNETITE/HEM	PAG
2017	PIT	630	N630042	1303	1	5	92.2	-87	0.05	0.02	2.95	7914730.9	563389.65	640.429	10.429	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	630	N630042	1104	1	4	65	-61	0.06	0.01	2.08	7914724.2	563384.43	640.32	10.32	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630042	1404	1	7	21.6	-15	0.32	0.03	0.69	7914734.6	563387.59	640.58	10.58	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	620	N620014	1504	1	14	108.8	-95	0.13	0.01	3.48	7914612.5	563292.95	630.314	10.314	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620014	1504	1	13	7.8	5	1.66	0.01	0.25	7914612.5	563292.95	630.314	10.314	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	620	N620014	1104	1	2	52.8	-51	0.04	0.01	1.69	7914603.9	563283.22	630.37	10.37	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620014	1204	1	2	562.5	-561	0	0.01	18	7914607.3	563283.4	630.355	10.355	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620011	1106	1	9	8.1	1	1.11	0.23	0.26	7914489.9	563198.87	629.68	9.68	ORE:WASTE	PAG

TABLE E.6.3 - DEPOSIT NO. 1 PAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	620	N620016	1206	1	13	15	-2	0.87	0.01	0.48	7914634.3	563292.54	630.226	10.226	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620016	1107	1	13	11.6	1	1.12	0.01	0.37	7914631.2	563288.68	629.808	9.808	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620019	901	1	10	25.9	-16	0.39	0.005	0.83	7914639.9	563300.97	629.738	9.738	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	620	N620019	1003	1	7	8.1	-1	0.86	0.005	0.26	7914631.3	563315.96	629.771	9.771	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	620	N620019	902	1	6	29.7	-24	0.2	0.005	0.95	7914642	563298.06	629.911	9.911	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	620	N620019	1007	1	3	10	-7	0.3	0.005	0.32	7914643.8	563301.42	629.719	9.719	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	620	N620019	1204	1	0	110.3	-110	0	0.005	3.53	7914639.5	563316.44	629.942	9.942	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	620	N620019	1304	1	3	12.5	-10	0.24	0.005	0.4	7914640.8	563321.15	629.913	9.913	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	620	N620019	1403	1	10	8.1	2	1.23	0.005	0.26	7914641.7	563325.45	629.946	9.946	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620019	1205	1	11	10	1	1.1	0.005	0.32	7914642.4	563314	629.868	9.868	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630053	1306	1	8	6.6	1	1.22	0.01	0.21	7914758.3	563362.9	640.425	10.425	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	630	N630053	1011	1	7	9.7	-3	0.72	0.01	0.31	7914779.8	563372.03	640.017	10.017	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	640	N640032	1107	1	10	21.3	-11	0.47	0.01	0.68	7914828.8	563401.3	650.558	10.558	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	640	N640032	1209	1	10	35	-25	0.29	0.01	1.12	7914823.3	563394.28	650.363	10.363	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	640	N640032	1006	1	19	10.6	8	1.79	0.01	0.34	7914834.9	563406.27	650.723	10.723	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	640	N640032	1204	1	11	36.3	-25	0.3	0.01	1.16	7914845.3	563405.04	650.365	10.365	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	640	N630032	1303	1	7	23.8	-17	0.29	0.01	0.76	7914848.2	563403.33	650.306	10.306	ORE:WASTE	PAG
2017	PIT	640	N640032	1207	1	7	58.4	-51	0.12	0.01	1.87	7914831.4	563399.63	650.338	10.338	ORE:WASTE	PAG
2017	PIT	640	N640032	1105	1	10	13.1	-3	0.76	0.01	0.42	7914837.3	563405.54	650.584	10.584	WASTE: CHLORITE SCHIST	PAG
2017	PIT	640	N640032	1307	1	7	15.3	-8	0.46	0.01	0.49	7914830.3	563395.75	650.411	10.411	ORE:WASTE	PAG
2017	PIT	620	N620026	1009	1	13	9.1	4	1.43	0.01	0.29	7914628.6	563277.47	629.91	9.91	WASTE: GREEN SCHIST/CHLORITE SCHIST	PAG
2017	PIT	630	N630059	112	1	3	35.6	-33	0.08	0.02	1.14	7914787.2	563375.63	640.299	10.299	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	113	1	4	20	-16	0.2	0.01	0.64	7914786.1	563374.64	640.352	10.352	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	200	1	1	34.1	-33	0.03	0.937	1.09	7914820	563409.49	640.274	10.274	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	630	N630059	1404	1	2	7.5	-6	0.27	0.269	0.24	7914804.8	563400.76	640.287	10.287	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	PAG
2017	PIT	630	N630059	306	1	-17	58.1	-75	-0.29	1.535	1.86	7914810.2	563394.64	640.176	10.176	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	630	N630059	207	1	-3	14.1	-17	-0.21	0.455	0.45	7914806.7	563394.33	640.169	10.169	WASTE	PAG
2017	PIT	630	N630059	304	1	1	9.4	-8	0.11	0.308	0.3	7914814.1	563399.12	640.328	10.328	ORE:HEMATITE	PAG
2017	PIT	630	N630059	201	1	-1	13.4	-14	-0.07	0.473	0.43	7914818.5	563407.4	640.234	10.234	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	206	1	-4	37.5	-42	-0.11	1.125	1.2	7914808.6	563396.11	640.195	10.195	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	630	N630059	1406	1	12	10.9	1	1.1	0.372	0.35	7914797.8	563393.26	640.424	10.424	WASTE	PAG
2017	PIT	630	N630059	208	1	4	14.4	-10	0.28	0.463	0.46	7914804.7	563391.9	640.251	10.251	WASTE	PAG
2017	PIT	630	N630059	1405	1	5	10.6	-6	0.47	0.34	0.34	7914801.1	563396.81	640.236	10.236	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	1407	1	6	21.9	-16	0.27	0.647	0.7	7914794.9	563389.77	640.739	10.739	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	630	N630059	1408	1	4	7.8	-4	0.51	0.246	0.25	7914791.7	563386.14	640.586	10.586	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	PAG
2017	PIT	630	N630059	305	1	8	10	-2	0.8	0.302	0.32	7914812.3	563396.8	640.345	10.345	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	205	1	0	25	-25	0	0.749	0.8	7914810.6	563398.52	640.028	10.028	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	630	N630059	106	1	9	6.9	2	1.31	0.01	0.22	7914803.1	563393.95	640.219	10.219	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630059	100	1	-9	24.7	-34	-0.36	0.01	0.79	7914818.4	563411.62	640.448	10.448	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630059	101	1	-1	8.1	-9	-0.12	0.01	0.26	7914816.1	563408.87	640.008	10.008	ORE/WASTE: HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630059	1400	1	-2	8.8	-11	-0.23	0.01	0.28	7914816.1	563413.9	640.485	10.485	ORE/WASTE: MAGNETITE/HEMATITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630059	105	1	-3	15.6	-19	-0.19	0.01	0.5	7914805.7	563396.85	639.801	9.801	WASTE/ORE: CHLORITE SCHIST/HEMATITE/MAGNETITE	PAG
2017	PIT	630	N630059	1401	1	-2	6.6	-9	-0.3	0.02	0.21	7914813.6	563410.9	640.451	10.451	ORE/WASTE: HEMATITE/MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630058	112	1	11	19.4	-8	0.57	0.01	0.62	7914834.7	563418.21	640.493	10.493	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620027	1204	1	8	35	-27	0.23	0.02	1.12	7914659.9	563333.13	630.363	10.363	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	620	N620027	1404	1	4	48.1	-44	0.08	0.01	1.54	7914667.1	563339.73	629.936	9.936	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	630	N630058	1610	1	10	9.1	1	1.1	0.01	0.29	7914828.8	563425.46	640.142	10.142	WASTE	PAG
2017	PIT	630	N630058	1507	1	14	6.6	7	2.13	0.01	0.21	7914837.5	563433.88	640.093	10.093	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1508	1	8	17.5	-10	0.46	0.01	0.56	7914834.1	563432.11	640.066	10.066	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1607	1	10	11.6	-2	0.86	0.01	0.37	7914839	563430.78	640.108	10.108	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1608	1	13	9.4	4	1.39	0.01	0.3	7914835.5	563429.08	640.091	10.091	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1708	1	12	10.9	1	1.1	0.01	0.35	7914837.2	563426.06	640.198	10.198	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1707	1	7	20.9	-14	0.33	0.01	0.67	7914840.7	563427.83	640.132	10.132	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	630	N630058	110	1	3	9.4	-6	0.32	0.01	0.3	7914840.1	563421.27	640.644	10.644	ORE:MAGNETITE	PAG
2017	PIT	630	N630058	1406	1	10	14.1	-4	0.71	0.01	0.45	7914839.2	563438.79	640.079	10.079	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1405	1	12	17.2	-5	0.7	0.01	0.55	7914842.1	563440.63	640.083	10.083	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1205	1	13	11.3	2	1.16	0.01	0.36	7914838.8	563447.41	640.069	10.069	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1204	1	7	8.4	-1	0.83	0.01	0.27	7914842.3	563449.04	639.973	9.973	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630058	1404	1	4	22.8	-19	0.18	0.01	0.73	7914845.8	563442.24	640.039	10.039	ORE:MAGNETITE	PAG

TABLE E.6.3 - DEPOSIT NO. 1 PAG GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2017

2017 BLASTED WASTE ROCK																	
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
2017	PIT	630	N630058	1001	1	10	57.2	-47	0.17	0.09	1.83	7914849	563461.47	640.005	10.005	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	630	N630056	1601	1	11	83.1	-72	0.13	0.01	2.66	7914868.5	563447.31	639.741	9.741	WASTE: CHLORITE SCHIST	PAG
2017	PIT	640	N640069	1208	1	8	12.5	-5	0.64	0.02	0.4	7914324.7	563020.83	651.006	11.006	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	630	N630067	1301	1	2	15.6	-14	0.13	0.005	0.5	7914737.4	563427.3	640.17	10.17	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630067	1201	1	2	15.6	-14	0.13	0.005	0.5	7914734.1	563430.95	640.04	10.04	ORE:HEMATITE/MAG	PAG
2017	PIT	630	N630067	1202	1	4	7.2	-3	0.56	0.005	0.23	7914738.2	563434.64	640.038	10.038	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630067	1302	1	0	15.6	-16	0	0.25	0.5	7914741.5	563431.26	640.259	10.259	ORE:MAGNETITE/HEM	PAG
2017	PIT	630	N630067	1105	1	-7	20.9	-28	-0.33	0.005	0.67	7914746.3	563447.85	640.19	10.19	WASTE	PAG
2017	PIT	630	N630067	1403	1	4	88.1	-84	0.05	0.3	2.82	7914748	563430.65	640.36	10.36	ORE:MAGNETITE	PAG
2017	PIT	630	N630067	1104	1	0	19.4	-19	0	0.005	0.62	7914742.9	563444.9	640.286	10.286	ORE:WASTE	PAG
2017	PIT	630	N630067	1103	1	-4	23.8	-28	-0.17	0.005	0.76	7914738.9	563441.26	640.729	10.729	ORE:MAGNETITE/HEM	PAG
2017	PIT	630	N630067	1509	1	1	89.7	-89	0.01	0.005	2.87	7914758.1	563429.11	640.234	10.234	ORE:WASTE	PAG
2017	PIT	630	N630067	1110	1	1	27.2	-26	0.04	0.02	0.87	7914766.7	563463.36	640.274	10.274	ORE:WASTE	PAG
2017	PIT	630	N630067	1217	1	3	33.1	-30	0.09	0.04	1.06	7914773.1	563463.25	640.045	10.045	WASTE	PAG
2017	PIT	630	N630004R	1119	1	7	18.4	-11	0.38	0.14	0.59	7914708	563424.75	637.998	7.998	WASTE	PAG
2017	PIT	630	N630004R	1223	1	9	6.9	2	1.31	0.005	0.22	7914701.6	563415.56	637.025	7.025	WASTE	PAG
2017	PIT	630	N630004R	1225	1	14	10	4	1.4	0.005	0.32	7914710.4	563420.31	638.022	8.022	WASTE	PAG
2017	PIT	630	N630004R	1227	1	7	6.6	0	1.07	0.03	0.21	7914719.2	563425.12	638.688	8.688	ORE/WASTE: MAGNETITE/CHLORITE SCHIST	PAG
2017	PIT	630	N630069	1306	1	5	27.2	-22	0.18	0.01	0.87	7914789.3	563469.85	639.826	9.826	WASTE/ORE: CHLORITE SCHIST/MAGNETITE/HEMATITE	PAG
2017	PIT	630	N630073	1007	1	0	28.8	-29	0	0.01	0.92	7914819.6	563477.92	640.142	10.142	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630073	1011	1	0	78.4	-78	0	0.01	2.51	7914829	563464.34	640.066	10.066	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630073	1108	1	-2	31.9	-34	-0.06	0.005	1.02	7914823.7	563478.16	640.188	10.188	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630078	309	1	15	7.8	7	1.92	0.01	0.25	7914846.7	563472.81	640.101	10.101	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630078	310	1	9	58.4	-49	0.15	0.01	1.87	7914847.2	563468	640.084	10.084	WASTE: CHLORITE SCHIST	PAG
2017	PIT	630	N630078	308	1	6	67.2	-61	0.09	0.01	2.15	7914845.8	563477.37	640.062	10.062	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620034	1305	1	6	16.6	-11	0.36	0.01	0.53	7914708.8	563380.23	630.116	10.116	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	620	N620037	1004	1	5	7.5	-3	0.67	0.01	0.24	7914708.9	563391.19	630.513	10.513	WASTE/ORE: CHLORITE SCHIST/MAGNETITE	PAG
2017	PIT	620	N620042	1102	1	7	16.6	-10	0.42	0.11	0.53	7914833.8	563423.59	631.458	11.458	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620038	1015	1	2	25	-23	0.08	0.01	0.8	7914690.6	563308.47	630.404	10.404	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	620	N620042	1017	1	5	11.6	-7	0.43	0.01	0.37	7914800.4	563394.54	630.649	10.649	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620042	1118	1	8	11.9	-4	0.67	0.01	0.38	7914796.4	563395.32	630.717	10.717	WASTE: CHLORITE SCHIST/LIM	PAG
2017	PIT	620	N620038	301	1	8	36.9	-29	0.22	0.01	1.18	7914746.1	563358.58	630.904	10.904	WASTE: CHLORITE SCHIST	PAG
2017	PIT	620	N620038	202	1	8	153.1	-145	0.05	0.01	4.9	7914746.9	563354.35	630.546	10.546	ORE:WASTE	PAG
2017	PIT	620	N620040	1507	1	2	10.3	-8	0.19	0.46	0.33	7914773.8	563378.47	630.398	10.398	ORE:HEMATITE	PAG
2017	PIT	620	N620040	2006	1	1	11.9	-11	0.08	0.01	0.38	7914755.3	563364.55	630.503	10.503	ORE:HEMATITE/MAG	PAG
2017	PIT	620	N620040	2106	1	0	13.4	-13	0	0.01	0.43	7914753.9	563363.8	630.617	10.617	ORE:HEMATITE	PAG
2017	PIT	620	N620040	1406	1	2	9.7	-8	0.21	0.65	0.31	7914777.5	563381.22	630.303	10.303	ORE:HEMATITE	PAG
2017	PIT	620	N620040	211	1	5	7.5	-3	0.67	0.01	0.24	7914758.5	563363.95	630.341	10.341	WASTE/ORE: CHLORITE SCHIST/HEMATITE	PAG
2017	PIT	620	N620040	207	1	4	27.5	-24	0.15	0.11	0.88	7914770.7	563372.92	630.347	10.347	ORE:HEMATITE	PAG

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