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REPORT ON

PROSPECTING and SAMPLING

RIVER VALLEY PROPERTYDANA and PARDO TOWNSHIPS

2.19680

NTS: 41-I/9

CLAIM MAPS: G-2904 G-2911

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GEOSCIENCE ASSESSMENT OFFICE

Lorne LUHTA

November 1998

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RIVER VALLEY PGE DISCOVERIES

Lorne E. Luhta, November, 1998

Introduction

In late 1998, significant PGE (platinum group elements) mineralization was discovered by partners, Lorne Luhta, Bob Bailey and Ron Orchard in the northern part of the River Valley Gabbro-Anorthosite Intrusion. This intrusion is located near the village of River Valley, 80 Km northeast of Sudbury, Ontario (Fig. 1). The River Valley Intrusion is an Early Proterozoic (2.5 Ga) layered complex in the Huronian-Nippissing magmatic belt which includes the East Bull Lake and the Shakespeare-Dunlop Intrusions to the west of Sudbury (Peck et al., 1995). Lately, PGE values of economic significance have been found in minor amounts of sulphide containing low nickel and copper grades in these latter intrusions. It was thought that the River Valley Intrusion would be as good a host or even better since that body is larger than the other two and would have a greater capacity to generate more PGE's. As well, anomalous PGE values were found in Ni, Cu occurrences in the southern part of the intrusion (assessment files, Sudbury Resident Geologists Office). Prospecting was done around a sulphide occurrence noted on Lumbers, 1973 Ontario Department of Mines Preliminary Map #P.844 in the northwest part of Dana Twp. These sulphides were shown to occur within a narrow north trending lobe of gabbroic rocks which strikes off the main body of the River Valley Intrusion. The prospecting resulted in the discovery of 4 zones of PGE mineralization along a strike length of 700 metres. This area is now called the Dana Lake PGE Area (Fig.2). PGE assays up to 12.6 g/T platinum + palladium + rhodium (Pt +Pd +Rh) were obtained from here. Further prospecting along a logging road which cut the north contact of the gabbro 6 km southeast of the Dana Lake Area resulted in the discovery of the Azen Creek Zone with total PGE values up to 2.7 g/T.

Property Description

The property consists of 18 contiguous staked mining claims consisting of 231 units covering an area of 3696 hectares or 9240 acres. The claims are located in the southwest corner of Pardo Twp. (Mining claim Map G-2911), the northwest corner of Dana Twp. (G-2904) and down through the centre of Dana Twp. and towards its eastern part. The claim numbers are: 1227988-1227991 incl., 1229216-1229224 incl. and 1229230-1229234 incl. The NTS map sheet for this area is 41 I/9. Mssrs. Luhta, Bailey and Orchard hold an equal (33 1/3 %) interest in the claim group.

Location and Access

The Dana Lake PGE area is located in the northwest corner of Dana Twp. (Fig.2) with its centre being at latitude 46 degrees, 42 minutes and longitude 80 degrees, 16.5 minutes. The UTM coordinates are 5172000m N and 555500m E. The area is accessed by traveling northwest and then north along Hwy 805 from River Valley a distance of 19.6 km from the Temagami River at the north end of the village. A right turn is made onto a logging road and is followed for 800 m. (Note; the South Pardo Road is 300 m. north of this road along Hwy 805.) Another right turn is made at a fork in the road and is followed for 200 metres to a skidder road. The Road Zone is located here on the west (right) side of the road. The other zones are accessed by the skidder road and subsequently a trail at an azimuth of 170 degrees. The area is 1 no cluded

within claim # 1229230

The Azen Creek Zone is located just south of the centre part of Dana Twp. (Fig.2). The latitude is 46 degrees and 39.5 minutes and the longitude is 80 degrees 13.6 minutes. The UTM coordinates are 5167400m N and 559200m E. The Azen Creek Zone is accessed by traveling northwest from the village of River Valley northwest along Hwy 805 a distance of 4 km from the Temagami River Bridge. A right turn (north) is made at a gated road just past Giroux's house on the hill. (It has a sign.) This logging road is followed for 1.5 km to a fork. Turning right, this road is followed north for 2.6 km to another fork. A left turn is made here and this road is followed westward and then northward for 300m from the intersection. The Azen Creek Zone is located adjacent to and on the right (east) side of the road. The Zone is included within claim if 1229 222.

Regional Geology

Ashwal and Wooden, 1988 described the River Valley Intrusion as being dominated by leuconorite and leucogabbro, with lesser anorthosite and mafic rocks. Rare ultramafic rocks are also present. The intrusion is approximately 100 square kilometres in size and is located at the Grenville Front in the southwestern part of the Grenville Province. Rocks in the core of the intrusion are black, coarse grained, massive, igneous textured leuconorites. The dark appearance is caused by fine oxide inclusions in plagioclase and is being quarried for building and facing stone. Davidson, 1986 showed that the Grenville Front in this region represents a complex Zone several kilometres wide of imbricate thrust faults and that the whole of the River Valley body is in the Grenville Province and its westernmost contact is an eastern dipping thrust fault. (This is in contrast to Lumbers, 1973 - ODM P.844 - who mapped the body on both sides of a lineament which he called the Grenville Front.)

At its western margin, in the Grenville Front Tectonic Zone, The River Valley Intrusion is in fault contact with greenschist metasedimentary units of the younger Huronian succession (Southern Province), including schistose meta-arenites of the Mississagi Formation. Davidson, 1986 inferred that the leucogabbroic rocks of the River Valley Intrusion have been thrust westward over the Huronian succession. To the north, the intrusive is in contact with younger mylonitic granitic rocks. Gneissic rocks of the Grenville Province lie to the east. Metamorphic grade of the River Valley Intrusion varies from greenschist near the western margin to middle amphibolite or higher in the eastern portion.

The age of the River Valley Intrusion, 2560 Ma, is akin to the other Paleo-Proterozoic gabbro-anorthosite intrusions to the west i.e. the East Bull Lake and the Shakespeare-Dunlop intrusions located near the boundary between the Archean and the Southern Provinces even though the River Valley Intrusion is within the Grenville Province. Ashwal and Wooden, 1988, concluded that the River Valley Intrusion intruded into Archean aged rocks within the Grenville Province. Rocks of Archean age have been documented in the Grenville Province in the River Valley area up to 60 km southeast of the Front.

Previous Work

In 1968, Kennco Explorations (Canada) Ltd. conducted an airborne input and aeromagnetic survey over a large area in Janes, Davis, Henry and Dana Twps. Lumbers, 1971 wrote; "In 1969, Kennco Explorations (Canada) Limited explored sparsely disseminated sulphide mineralization in cataclastic rocks of the River Valley complex along the western and southern sides of Dana Lake in Dana Twp., by surface trenching". However, the assessment files in the Sudbury Resident Geologist's office show that the trenching and pitting was done by J.P. Patrie in 1969.

In 1982, the lands in Dana Twp. were withdrawn from staking as a result of the Bear Island Land Caution and were not re-opened until September, 1996.

Present Work 6

On early August, 1998 Mssrs. Luhta, Bailey and Orchard attempted to locate Patrie's trenches but failed. Four samples were taken in the approximate location. One sample with a trace of chalcopyrite was taken from a large gabbro boulder and assayed 1599 ppb Pt + Pd. And another from a bedrock source close by assayed 581 ppb Pt + Pd. In early September Bailey and Orchard staked a 16 unit claim (1229230) over the area which included the trenches. During this time Sept 1998 they located the southernmost pits and trenches which are now called the South Zone (Figs.3, 4 and 8). Four samples were taken from this area which ranged from 1344 ppb to 9291 ppb Pt + Pd; the average being 5279 ppb. Another sample was taken from a small gossan area beside the logging road. This sample assayed 1342 ppb Pt + Pt. The area that this sample was taken from is now called the Road Zone (Figs.3, 4 and 5). Luhta, Bailey and Orchard then staked an additional 4 claims comprising 52 units over the north trending lobe of gabbro.

Between Sept.22 - 27 and Sept.30 and Oct.1, 1998, with assistance from the provincial government's OPAP program, the partners put in a compass and chained base line striking due north and **3** cross lines in the Dana Lake PGE Area. The pits and trenches were mapped and sampled as well as other outcrops in the area. All sample points were tied onto the grid. A total of 87 selected grab samples were taken and assayed for Au, Cu, Ni, Pt, Pd and Rh. Descriptions of and work done on the 4 PGE zones in the Dana Lake area are described below:

1) Road Zone (Figs. 3, 4 and 5):

Patches of gossan in meta-pyroxinite and leucogabbro adjacent to granitic rocks are exposed in outcrop along side of a logging road. Scattered minor disseminated chalcopyrite and pyrrhotite are within the pyroxinite and gabbro. A total of 8 pits and trenches were drilled and blasted by the partners. A total of 23 selected grab samples were taken from these pits and trenches as well as outcrop areas to the west. The highest value obtained was 3.9 g/T total PGE's (Pt + Pd + Rh).

2) North Zone (Figs. 3, 4 and 6)

Four old pits and trenches in meta-pyroxenite and leucogabbro containing sparsely disseminated pyrrhotite and chalcopyrite were located and cleaned out. A total of 12 selected grab samples were taken from here as well as exposed bedrock in the area. The highest assay from here was 4.3 g/T total PGE's from the southernmost point where 6 samples taken from here averaged 2.1 g/T total PGE's.

3) Trench Zone (Figs. 3, 4 and 7)

An old boomerang shaped trench in meta-pyroxinite is located along line 0, forty-seven metres west of the baseline. Ten grab samples were taken at 1 metre intervals along the trench. These averaged 2.92 g/T total PGE's with the highest being 6.175 g/T. Another 15 selected grab samples were taken from exposed outcrop to the south of the trench in meta-pyroxenite and leucogabbro. The highest assay obtained from here was 5.1 g/T total PGE's. A sample was taken from gabbro with trace sulphides from the shore of a lake 120 metres SSW of the trench which

obtained an anomalous assay of 0.656 g/T.

4) South Zone (Figs. 3, 4 and 8)

The highest grade PGE assays came from the South Zone. Twenty-five selected grab samples were taken from old pits, trenches and outcrop in meta-pyroxenite and leucogabbro containing disseminated chalcopyrite and minor pyrrhotite. The highest assay obtained was 12.6 g/T total PGE's. Nine samples were greater than 5 g/T, two were between 3 and 5 g/T and seven were between 1 and 3 g/T. The average was 3.934 g/T.

One sample was taken from an outcrop of leucogabbro containing a minor amount of sulphides on the west side of the South Pardo 1.6 km from the Road Zone. This sample assayed 0.269 g/T total PGE's (Fig.3).

During a property visit, Professor R. James of Laurentian University suggested that the PGE mineralization is related to the basal contact of the intrusion and that prospecting along the north contact was warranted. The only other access to the contact is 6 km east of the Dana Lake PGE Area along a logging road. On Oct.3, 1998 the partners drove along this road and gabbroic or noritic rocks containing traces of chalcopyrite were found just south of the contact. Six samples were taken and anomalous values of PGE's were obtained up to 322 ppb total Pt + Pd + Rh (Fig.9). A small gossan zone was discovered along a secondary road 300 metres to the northwest. One sample containing 2% chalcopyrite and pyrrhotite assayed 3057 ppb (3.057 g/T) total PGE's. A staking program was then initiated to cover this new zone and the area between it and the Dana Lake PGE Area as well as the contact further to the east.

Between Oct.18 and Oct.22, 1998 also with the aid of OPAP funding an area 25 x 8 metres around this gossan zone, now called the Azen Creek Zone, was stripped with a small backhoe. The outcrop was washed. Twenty-four plugger holes were drilled and the dust collected and assayed. Another 20 selected grab samples were taken. Four drill holes were blasted and 2 muck samples were taken. Of the total 46 samples taken, 29 assayed greater than 1.0 g/T total PGE's with the highest being 2.7 g/T (Fig.10). The average was 1.239 g/T total PGE's (Pt + Pd + Rh); however, a higher grade section could be calculated within this zone. The zone is still open in 3 directions.

Discussion

The rocks around the Dana Lake PGE area are medium to coarse grained and rarely pegmatitic leucogabbroic rocks. Within these rocks are irregularly shaped pods and bodies of fine to medium grained meta-pyroxenite. Granitic rocks are exposed at the Road Zone. The PGE mineralization is associated with disseminated chalcopyrite and pyrrhotite within meta-pyroxenites and the adjacent leucogabbros. Thin sections of mineralized meta-pyroxenite from the south zone were made and examined by Prof. James. This rock is composed mostly of pyroxene which has totally been replaced by amphiboles. The sulphides appear to be the product of magmatic segregation although some sulphide grains have been elongated by later shearing. It was found in our sampling that in order to obtain a significant PGE assay, the sample must contain chalcopyrite. Samples with only pyrrhotite mineralization contained very little PGE's. The Cu/Ni ratio of all of the assays for the Dana Lake area is 5.3/1. The Pd/Pt ratio is 3.2/1.

Initially it was thought that the rocks around the Azen Creek Zone were pyroxenites because of their black colour; however, upon closer examination the rocks contain visible feldspars. They are gabbros or norites and the dark colour is due to the fine inclusions of oxides in the feldspars because of the effects of the higher grade of metamorphism in this area. The rocks also contain a minor amount of garnet. The average copper grade of all of the samples from the Azen Creek Zone is basically the same as those from the Dana Lake Area (1500 ppm); however, the nickel grade is higher and the Cu/Ni ratio is 2.2/1. The Pd/Pt ratio here is 3.3/1 which is about the same as the Dana Lake Area. Samples containing the same amount of sulphides in the Dana Lake zones would assay higher in PGE's. A small inclusion of coarse grained to pegmatitic horneblendite occurs within the stripped area at Azen Creek.

Conclusions and Recommendations for Exploration

The River Valley Gabbro-Anorthosite Intrusion was recognized as having the potential for hosting PGE mineralization. Economically significant PGE mineralization was discovered in late 1998 in two areas in the northern part of the intrusion six kilometres from each other. No prior exploration or prospecting for PGE mineralization has ever been done in the two areas and none has been done between the two areas.

Preliminary observations indicate that the genesis of the PGE mineralization corresponds to a magmatic model, whereby the PGE's were scavenged by immiscible, Cu-rich sulphide liquids within a body of PGE enriched magma and were deposited in the basal contact layer of the intrusion during cooling. The sulphur source for the magma could have been derived from older sulphide bearing Archean rocks within the Grenville Province.

During staking and working in the area it was observed that the claim group consists of about 10% outcrop. The remaining area is covered mostly by glacial till. A few areas of gravel and outwash sand occur. The Dana Lake Area is about 10% outcrop and the soil cover is shallow and is composed of till. The area around the Road Zone and North Zone has been recently logged. The area around the Trench Zone and South Zone were most probably left in its pristine state due to the proximity to lakes. No problems for obtaining permits to explore in this area are foreseen. All of the area around the Azen Creek Zone has been recently logged. The soil cover here is shallow and is composed of till.

Closely spaced lines should be cut in the Dana Lake Area for an orientation survey to determine if the PGE enriched sulphide mineralization could be detected by induced polarization. Also, since the PGE's are associated with copper mineralization, a detailed soil geochemical survey should be done over the Dane Lake Area to see if a copper anomaly exists in the soil over the mineralization. This information could be used to explore the area between the Dana Lake and Azen Creek. The Dana Lake Area showings should then be stripped, mapped and sampled. After line cutting over the rest of the property, a magnetometer survey, geological mapping and prospecting should be done on the claim group before I.P. and soil surveys are started so that the latter surveys are not done over rocks with no potential of hosting PGE mineralization. After all the information is compiled from the above work new targets could be stripped and/or drilled and the zones at Dana Lake could be drilled.

Since PGE mineralization is open in at least 3 directions in the stripped area at Azen Creek, additional stripping is recommended followed by washing, detailed mapping and sampling. A diamond drilling program should follow.

References

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Lawentian University with a Backelor of
Science in Geology in 1968 and a Master
of Science cloque in Geology in 1974. I
have worked for mining companies in
various positions both in field and
mining geology antil 1979. Between 1979
and 1997 I was Resident Geologist for the
Ortario Geological Sciwey in Termins, From
1997 to the present I have been a prospector
and consulting geologist

Nov. 1, 1998

HOLDERS of the KAND on which this work was performed:

LORNE LUHTA 33/3%

30 Hellen Ave.

South Porcupine, Ont. PONIHO

ROBERT BAILEY 33/3% 174 RENE PLACE TIMMINS, ONT. P4PIES

RON ORCHARD 33/3%

80 BIRCH ST. NORTH

TIMMINS, ONT. PHAIGC9

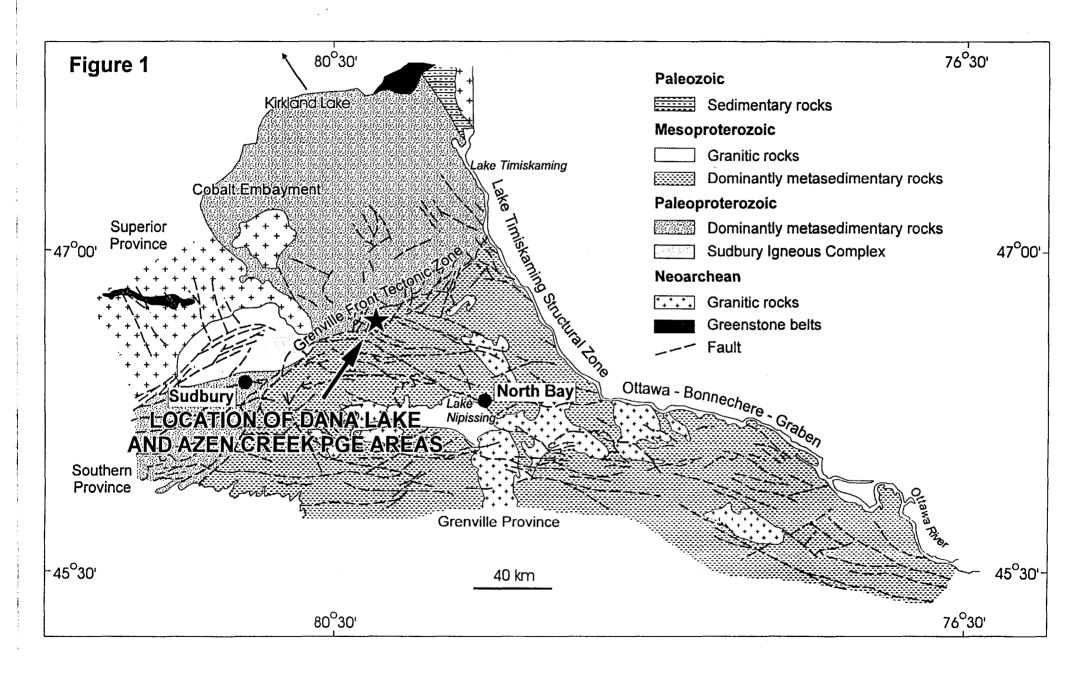
All of the above worked on the property to complete
the work

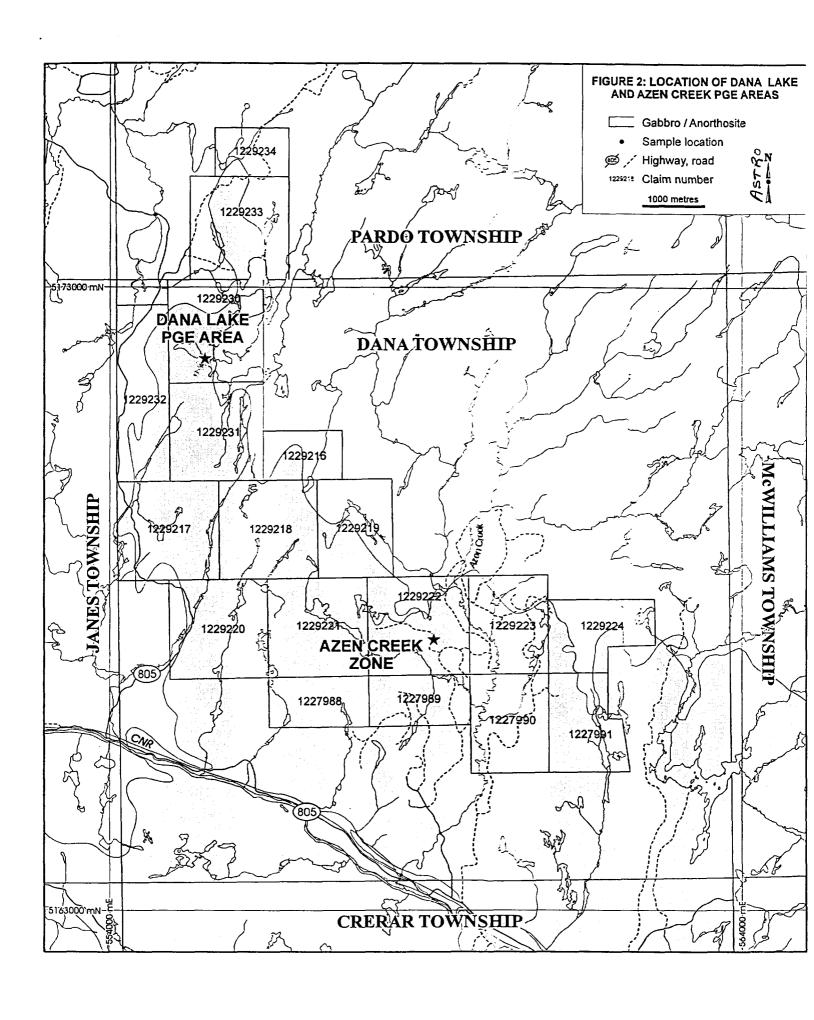
LORNE LUHTA OS 30 Hellen Ave.,

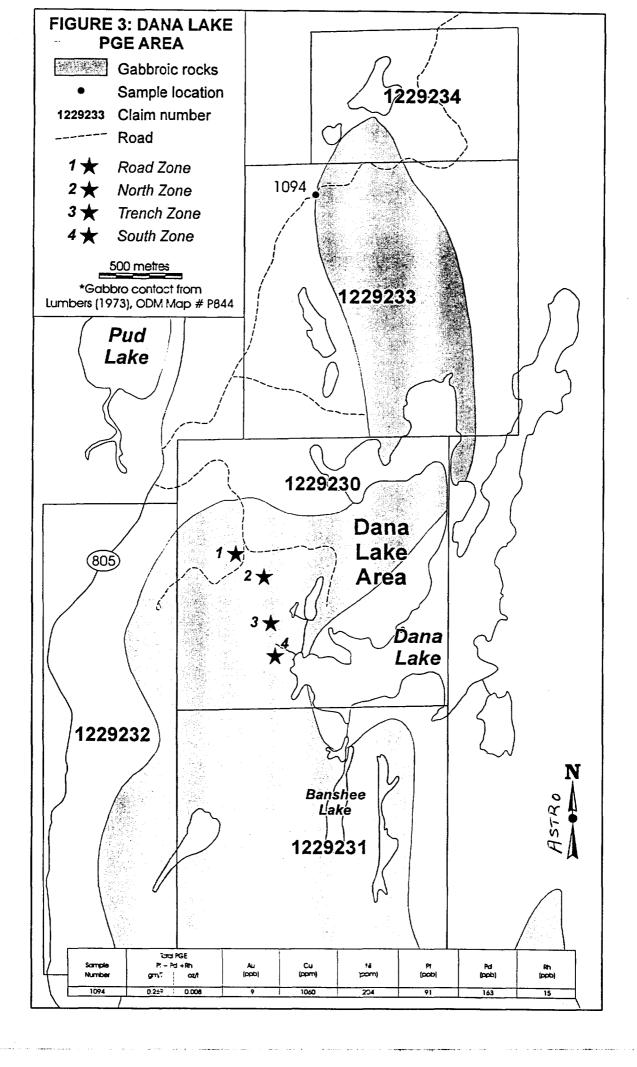
South Polcupine, Ont. PONIHO

Supervised the work

The work was performed on Aug.6, Sept 9410, Sept. 22-27, Sept 30, Oct.1, Oct 18-22, 1998







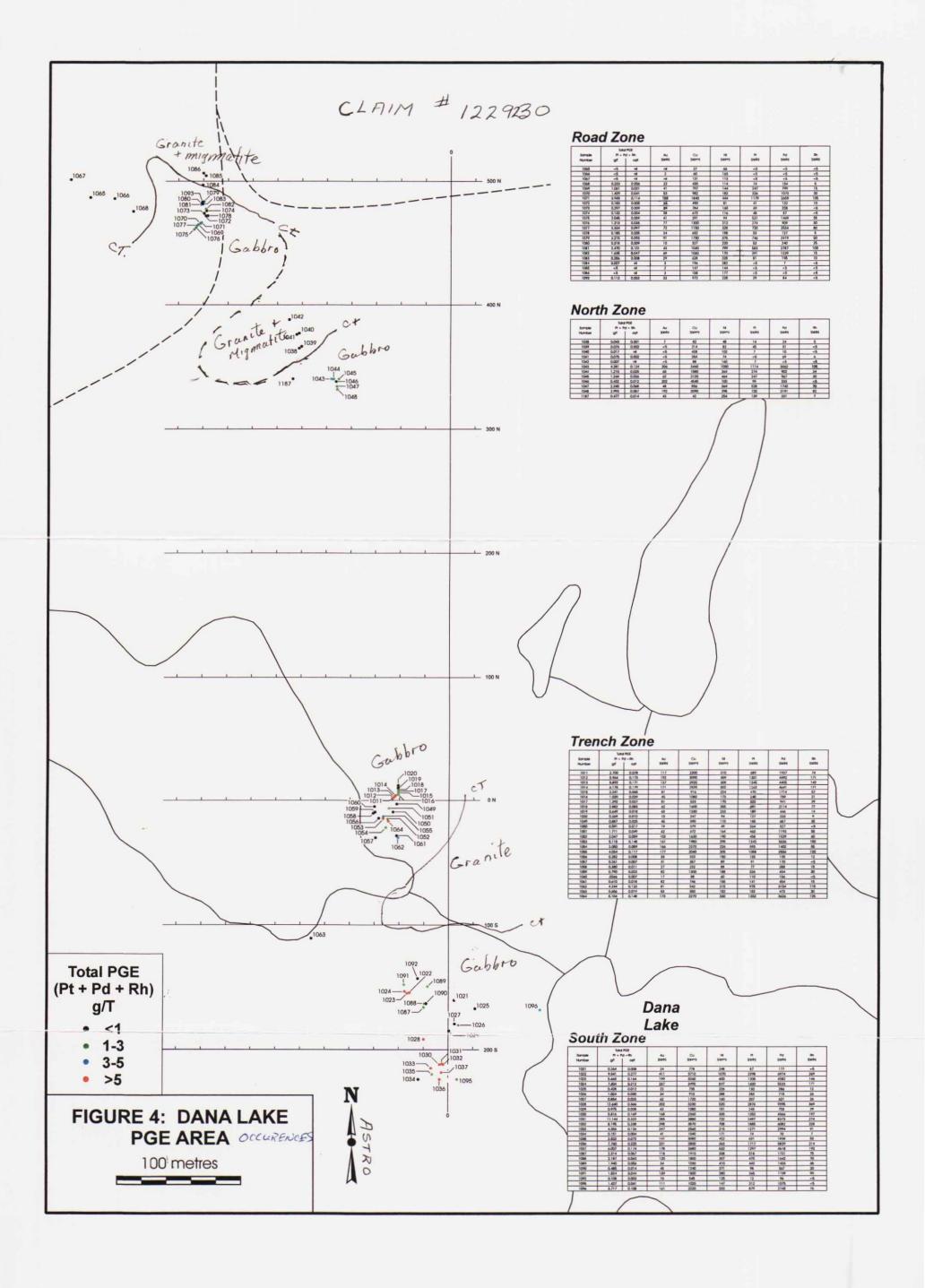


Figure 5: Road Zone

Sample		PGE d + Rh	Au	Cu	NI	Pt	Pd	Rh
Number	g/T	OZ/f	(ppb)	(ppm)	(ppm)	(ppb)	(ppb)	(ppb)
1065	<.015	nil	nil	37	66	<5	<5	<5
1066	<.015	nll	2	60	163	<5	<5	<5
1067	<.015	nil	nil	121	113	<5	<5	<5
1068	0.233	0.006	22	420	114	74	154	5
1069	1.061	0.031	41	797	144	247	799	15
1070	1.429	0.041	53	982	182	326	1073	30
1071	3.943	0.114	103	1840	444	1179	2659	105
1072	0.183	0.005	26	490	81	41	132	10
1073	0.297	0.009	39	784	160	69	228	<5
1074	0.132	0.004	38	672	116	45	87	<5
1075	2.045	0.059	41	291	94	521	1469	55
1076	1.213	0.035	77	1300	212	274	909	30
1077	3.334	0.097	72	1150	328	720	2534	80
1078	0.185	0.005	34	632	158	53	127	5
1079	3.215	0.093	91	1730	375	746	2419	50
1080	0.318	0.009	10	327	220	53	240	25
1081	3.470	0.101	43	1040	799	583	2787	100
1082	1.635	0.047	69	1060	170	391	1229	15
1083	0.286	0.008	29	628	328	81	195	10
1084	0.007	nil	3	196	282	<5	7	<5
1085	<.015	nil	2	147	144	<5	<5	<5
1086	<.015	nil	3	158	177	<5	<5	<5
1093	0.113	0.003	33	973	228	29	84	<5

CLAIM # 122 9230

1067

1065

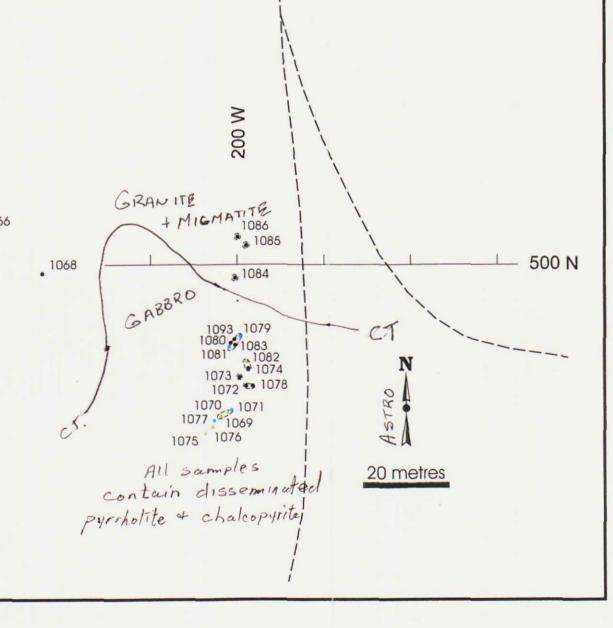


Figure 6: North Zone

Sample			Au	Cu	Ni	Pt	Pd	Rh
Number	g/T	oz/t	(ppb)	(ppm)	(ppm)	(ppb)	(ppb)	(ppb)
1038	0.043	0.001	7	82	48	14	24	5
1039	0.076	0.002	<5	214	82	45	31	<5
1040	0.017	nil	<5	428	102	7	10	<5
1041	0.075	0.002	<5	254	74	<5	69	6
1042	0.007	nil	<5	88	160	7	<5	<5
1043	4.281	0.124	206	3460	1030	1114	3062	105
1044	1.210	0.035	65	1580	264	274	902	34
1045	1.244	0.036	62	2120	464	247	967	30
1046	0.432	0.012	202	4540	100	99	333	<5
1047	2.340	0.068	48	856	364	528	1742	70
1048	2.993	0.087	192	2090	298	720	2191	82
1187	0.477	0.014	43	912	254	139	331	7

CLAIM # 122930



Trenches, pits

Total PGE (Pt + Pd + Rh) g/T

- <1
- 1-3
- 3-5
- >5

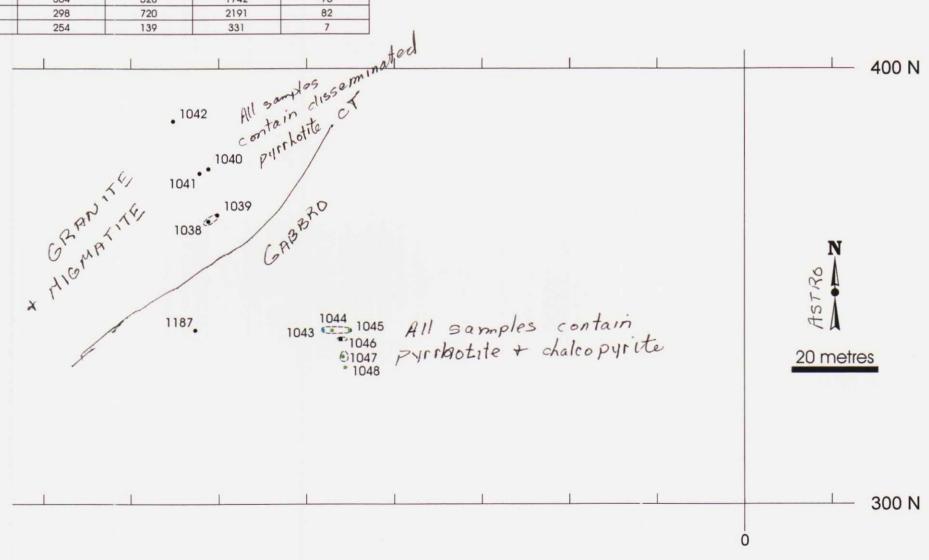


Figure 7: Trench Zone Sample (ppb) (ppm) (ppm) (ppb) (ppb) (ppb) Number g/T 2.700 0.078 5.964 0.173 5.892 0.171 6.175 0.179 2.241 0.065 CLAIM # 1229230 1.020 0.029 1.292 0.037 2.882 0.083 0.649 0.018 0.010 0.887 0.025 <5 0.591 0.017 0.049 2.047 0.059 5.118 0.148 2.050 0.059 4.034 0.117 0.282 <5 0.261 0.007 0.011 0.790 0.023 .0266 0.007 <5 0.610 0.018 4.244 0.123 0 N 0.656 0.019 1060 1011 • 1049 5.104 0.148 1059 1051 1055 1050 1055 1052 1056 1053 1064 GRANITE · 1061 . 1057 1757R0 Trenches, pits 20 metres Total PGE (Pt + Pd + Rh)g/T • <1 • 1-3 • 3-5 . 1063 • >5

Figure 8: South Zone

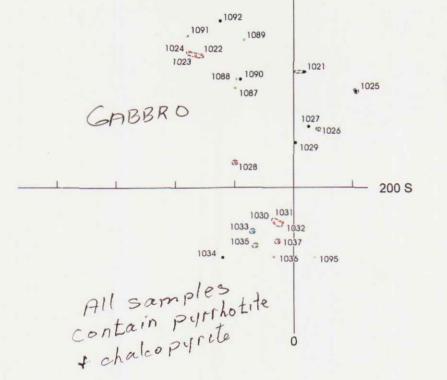
Sample	Total Pt + P		Au	Cu	NI	Pt	Pd	Rh
Number	g/ī	oz/t	(ppb)	(ppm)	(ppm)	(ppb)	(ppb)	(ppb)
1021	0.264	0.008	24	778	248	87	177	<5
1022	9.541	0.277	411	5710	1070	2298	6974	269
1023	5.663	0.164	199	3260	600	1205	4282	146
1024	7.304	0.212	237	3490	847	1600	5533	171
1025	0.428	0.012	22	735	226	130	286	12
1026	1.024	0.030	34	910	288	283	715	26
1027	0.854	0.025	62	1720	160	207	621	26
1028	12.640	0.366	202	3230	520	2876	9395	369
1029	0.975	0.028	62	1080	151	243	703	29
1030	5.816	0.169	165	2360	335	1253	4366	197
1031	11.144	0.323	285	3880	732	2497	8373	274
1032	8.195	0.238	298	3870	708	1885	6082	228
1033	4.356	0.126	247	2560	215	1271	2994	91
1034	0.151	0.004	41	1040	171	74	70	7
1035	2.522	0.073	141	3080	422	631	1838	53
1036	7.760	0.225	231	2800	363	1717	5829	214
1037	6.007	0.174	178	2680	532	1297	4518	192
1087	2.314	0.067	118	1910	338	518	1721	75
1088	2.187	0.063	120	1800	307	475	1642	70
1089	1.940	0.056	34	1030	410	442	1433	65
1090	0.485	0.014	45	1240	371	98	367	20
1091	1.524	0.044	139	1500	280	365	1109	50
1092	0.108	0.003	10	545	125	12	96	<5
1095	1.427	0.041	111	1020	147	312	1075	40
1096	3.717	0.108	161	2220	333	879	2743	95

CLAIM #122 923 0

20 metres

Dana

Lake



Trenches, pits

Total PGE (Pt + Pd + Rh) g/T

- <1
- 1-3
- 3-5 • >5

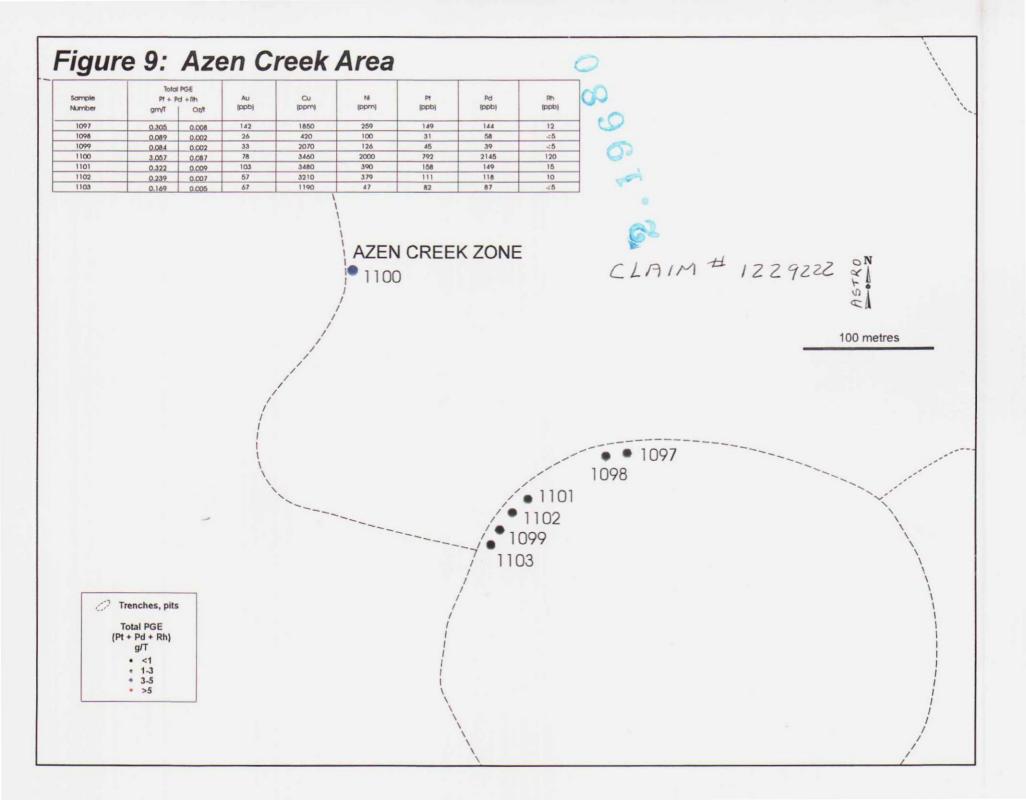
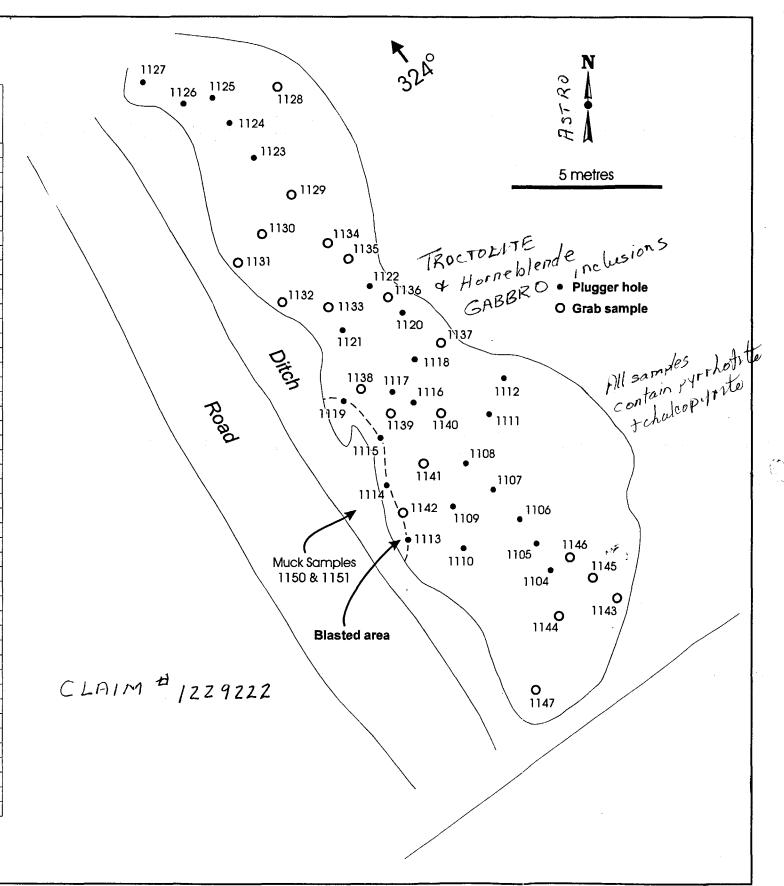


Figure 10: Azen Creek Zone

		PGE						
Sample	Pt + P	d +Rh	Au	Cu	Ni	Pt	Pd	Rh
Number	д/Т	oz/t	(ppb)	(ppm)	(ppm)	(ppb)	(ppb)	(ppb)
1104	0.541	0.016	22	1600	650	118	413	10
1105	2.697	0.078	141	3050	1120	533	2107	57
1106	0.666	0.019	31	1550	664	153	494	19
1107	0.432	0.013	15	706	428	108	317	7
1108	0.033	0.001	nil	170	74	14	19	<5
1109	0.339	0.010	15	1190	368	82	245	12
1110	0.078	0.002	nil	360	110	15	63	<5
1111	2.197	0.064	106	1960	1110	547	1599	51
1112	0.022	0.001	nil	146	90	5	17	<5
1113	0.029	0.001	nil	112	60	10	19	<5
1114	1.648	0.048	67	2060	1100	310	1293	45
1115	0.617	0.018	27	858	378	135	465	17
1116	1.429	0.041	58	1580	758	286	1107	36
1117	1.514	0.044	77	1780	950	338	1142	34
1118	0.788	0.023	43	1060	430	187	574	27
1119	2.091	0.061	105	2380	1050	523	1517	51
1120	2.345	0.068	129	2990	1490	497	1786	62
1121	1.427	0.041	72	2220	1230	326	1065	36
1122	0.686	0.020	27	1070	650	170	489	27
1123	0.617	0.018	39	1260	670	123	461	33
1124	1.425	0.041	72	2150	1120	278	1109	38
1125	1.627	0.047	62	1950	1070	298	1279	50
1126	2.614	0.076	75	3240	1990	603	1922	89
1127	1.181	0.034	31	1520	700	379	766	36
1128	0.059	0.002	nil	150	92	9	50	<5
1129	1.132	0.033	43	1390	678	305	782	45
1130	0.563	0.016	17	966	558	142	394	27
1131	1.977	0.057	79	2310	850	370	1550	57
1132	1.359	0.039	57	1960	810	307	1011	41
1133	1.849	0.054	77	3440	1430	382	1421	46
1134	1.465	0.042	41	1630	881	346	1073	46
1135	2.236	0.065	67	3070	1630	621	1533	82
1136	1.344	0.039	58	20000	931	334	972	38
1137	2.164	0.063	115	2790	1260	422	1692	50
1138	1.687	0.049	75	2220	1190	420	1226	41
1139	0.737	0.021	70	1460	509	166	554	17
1140	1.721	0.050	99	2260	872	379	1294	48
1141	1.552	0.045	70	1860	734	355	1171	26
1142	0.841	0.024	46	401	261	278	549	14
1143	1.300	0.038	67	2560	980	281	993	26
1144	1.114	0.032	67	1450	618	261	819	34
1145	1.821	0.053	62	1880	816	465	1308	48
1146	1.051	0.030	43	2490	1050	201	804	46
1147	0.017	NIL	2	154	64	<5	17	<5
1150	2.160	0.063	111	3830	852	492	1611	57
1151	1.795	0.052	67	2160	1030	418	1322	55





Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4299-RG1

	to correspond				• • • • • • • • • • • • • • • • • • • •	,,	
Company: L. LUHTA Project: Aun:					Date: NO	OV-19-98	
We hereby certify the followsubmitted NOV-03-98 by	owing Geochemical An	alysis of 11	Grab samj	ples			
Sample Number	Au Au Check PPB PPB	Co PPM	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1187	43 -	42	912	254	139	331	7
						•	
					8		
			q	. 19	9		
			•				

One assay ton portion used for precious metals.

Certified by_



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4159-RG1

Company: L. LUHTA

Date: NOV-03-98

Project: Attn:

We hereby certify the following Geochemical Analysis of 6 Rock samples submitted OCT-26-98 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	P t PPB	Pd PPB	Rh P PB
1150	111	120	3830	852	492	1611	57
1151	67	-	2160	1030	418	1322	55



One assay ton portion used for gold.



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4156-RG1

Company:

L. LUHTA

Date: OCT-30-98

Project:

PGE

Attn:

L. Luhta

We hereby certify the following Geochemical Analysis of 6 Grab samples submitted OCT-23-98 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1144	67	53	1450	618	261	819	34
1145	62	_	1880	816	465	1308	48
1146	43	-	2490	1050	201	804	46
1147	2	-	154	64	<5	17	<5
1148	57	62	18	72	<5	<5	<5
1149	63		16	100	<5	<5	<5

2.19650

One assay ton portion used for gold.

Certified by Deris Claube



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4151-RG1

Company:

L. LUHTA

Date: NOV-03-98

Project:

PGE

Attn:

L. Luhta

We hereby certify the following Geochemical Analysis of 8 Rock samples submitted OCT-03-98 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1136	58	60	20000	931	334	972	38
1137	115	-	2790	1260	422	1692	50
1138	75	_	2220	1190	420	1226	41
1139	70	-	1460	509	166	554	17
1140	99	99	2260	872	379	1294	48
1141	70		1860	734	355	1171	26
1142	46	-	401	261	278	549	14
1143	67	58	2560	980	281	993	26

2.19680

One assay ton portion used for gold.

Certified by Davis Charles



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4155-RG1

Company: L. LUHTA

Date: OCT-30-98

Project:

PGE

Attn:

L. Luhta

We hereby certify the following Geochemical Analysis of 8 Grab samples submitted OCT-23-98 by.

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1128	Nil	-	150	92	9	50	<5
1129	43	-	1390	678	305	782	45
1130	17	-	966	558	142	394	27
1131	79	82	2310	850	370	1550	57
1132	57	-	1960	810	307	1011	41
1133	77	74	3440	1430	382	1421	46
1134	41	-	1630	881	346	1073	46
1135	67	-	3070	1630	621	1533	82

6.2

One assay ton portion used for gold.



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4158-RG1

Company: L. LUHTA

Date: NOV-03-98

Project: Attn:

PGE

L. Luhta

We hereby certify the following Geochemical Analysis of 11 Drill Cutting samples submitted OCT-26-98 by.

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PPM	P t PPB	Pd PPB	Rh PPB
1117	77	72	1780	950	338	1142	34
1118	43	-	1060	430	187	574	27
1119	105	-	2380	1050	523	1517	51
1120	129	-	2990	1490	497	1786	62
1121	72	-	2220	1230	326	1065	36
1122	27	22	1070	650	170	489	27
1123	39	-	1260	670	123	46 1	33
1124	72	-	2150	1120	278	1109	38
1125	62	-	1950	1070	298	1279	50
1126	75	81	3240	1990	603	1922	89
1127	31	-	1520	700	379	766	36

One assay ton portion used for gold.

Certified by Denis Chal

the second of th



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-4157-RG1

Date: NOV-03-98

Company: L. LUHTA

Project: PGE Attn: L. Luhta

We hereby certify the following Geochemical Analysis of 13 Drill Cutting samples submitted OCT-26-98 by .

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PFM	Pt PPB	Pd PPB	Rh PPB
1104	22		1600	650	118	413	10
1105	141	137	3050	1120	533	2107	57
1106	31	-	1550	664	153	494	19
1107	15	-	706	428	108	317	7
1108	Ni l	-	170	74	14	19	<5
1109	15		1190	368	82	245	12
1110	Ni l	-	360	110	15	63	<5
1111	106	120	1960	1110	547	1599	51
1112	Ni l	_	146	90	5	17	<5
1113	Ni l	-	112	60	10	19	<5
1114	67	-	2060	1100	310	1293	45
1115	27	-	858	378	135	465	17
1116	58	-	1580	758	286	1107	36

%. 19600

One assay ton portion used for gold.

Certified by Denis Chanho



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2989-RG1

Company: L. LUHTA

Project:

PGE

Date: OCT-19-98

L. Luhta Attn:

We hereby certify the following Geochemical Analysis of 9 Grab samples submitted OCT-05-98 by.

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1095	111	-	1020	147	312	1075	40
1096	161	-	2220	333	879	2743	95
1097	142	141	1850	259	149	144	12
1098	26	-	420	100	31	58	<5
1099	33	-	2070	126	45	39	<5
1100	78	-	3460	2000	792	2145	120
1101	103	99	3480	390	158	149	15
1102	57	-	3210	379	111	118	10
1103	67	-	1190	47	82	87	<5

2.19680

One assay ton portion used for gold.

Certified by



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2970-RG1

Company: L. LUHTA

Date: OCT-14-98

Project: Attn:

PGE

L. Luhta

We hereby certify the following Geochemical Analysis of 8 Grab samples submitted OCT-02-98 by.

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1087	118	127	1910	338	518	1721	75
1088	120	-	1800	307	475	1642	70
1089	34	-	1030	410	442	1433	65
1090	45	-	1240	371	98	367	20
1 09 1	139	-	1500	280	365	1109	50
1092	10	5	545	125	12	96	<5
1093	33	_	973	228	29	84	<5
1094	9	-	1060	204	91	163	15

2.19680

One assay ton portion used for gold.



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2955-RG1

Date: OCT-19-98

Company: L. LUHTA

Project: Attn:

PGE

L. Luhta

We hereby certify the following Geochemical Analysis of 22 Grab samples submitted OCT-01-98 by.

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1065	Ni l	-	37	66	<5	<5	<5
1066	2	-	60	163	<5	<5	<5
1067	Ni l	-	121	113	<5	<5	<5
1068	22	-	420	114	74	154	5
1069	41	_	797	144	247	799	15
1070	53	-	982	182	326	1073	30
1071	103	110	1840	444	1179	2659	105
1072	26	-	490	81	41	132	10
1073	39	-	784	160	69	228	<5
1074	38		672	116	45	87	<5
1075	41	-	291	94	521	1469	55
1076	77	-	1300	212	274	909	30
1077	72	93	1150	328	720	2534	80
1078	34	-	632	158	53	127	5
1079	91	89	1730	375	746	2419	50
1080	10	-	327	220	53	240	25
1081	43	_	1040	799	583	2787	100
1082	69	_	1060	170	391	1229	15
1083	29	-	628	328	81	195	10
1084	3	_	196	282	<5	7	<5
1085	2		147	144	<5	<5	<5
1086	3	-	158	177	<5	<5	<5

2.19680

One assay ton portion used for gold.



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2907-RG1

Date: OCT-14-98

Company: L.LUTHA

Project:

PGE

L.Lutha Attn:

We hereby certify the following Geochemical Analysis of 7 Grab samples submitted SEP-25-98 by.

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1058	27		232	88	77	288	15
1059	82	75	1300	188	326	434	30
1060	17	-	88	60	110	156	<5
1061	82	-	746	155	141	454	15
1062	81	-	542	215	975	3154	115
1063 1064	53 173	185	550 2270	152 330	153 1353	473 3626	30 125
1004	175	103	2210	330	1333	3020	123

2.19680

One assay ton portion used for gold.



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2904-RG1

Date: OCT-14-98

Company: L. LUHTA

Project: PC Attn: L.

PGE L. Luhta

We hereby certify the following Geochemical Analysis of 9 Grab samples submitted SEP-28-98 by .

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1049	45	-	590	110	185	657	35
1050	19	-	379	49	264	327	<5
1051	62	96	672	164	463	1193	55
1052	103	-	1630	190	458	1529	60
1053	161	158	1980	295	1342	3626	150
1054	166	-	2370	226	593	1402	55
1055	177	185	2040	205	1058	2856	120
1056	33	_	322	150	135	135	12
1057	31	-	357	89	91	170	<5

One assay ton portion used for gold.

Certified by_



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2859-RG1

Company:

LORNE LUHTA

Date: OCT-09-98

Project:

PGE

Attn: L.Luhta

We hereby certify the following Geochemical Analysis of 11 Rock samples submitted SEP-24-98 by .

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni PPM	Pt PPB	Pd PPB	Rh PPB
1038	7		82	48	14	24	5
1039	<5	<5	214	82	45	31	<5
1040	<5	-	428	102	7	1 0	<5
1041	<5	-	254	74	<5	69	6
1042	<5	-	88	160	7	<5	<5
1043	206	213	3460	1030	1114	3062	105
1044	65	-	1580	264	274	902	34
1045	62	_	2120	464	247	967	30
1046	202	-	4540	100	99	333	<5
1047	48	-	856	364	528	1742	70
1048	192	123	2090	298	720	2191	82

Certified by_



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2844-RG1

Date: OCT-09-98

Company:

L. LUHTA

Project:

PGE

Attn:

L. Luhta

2.19680

We hereby certify the following Geochemical Analysis of 27 Grab samples submitted SEP-23-98 by .

Sample Number	Au PPB	Au Check PPB	Cu P PM	Ni P PM	Pt PPB	Pd PPB	Rh PPB
		rrb					
1011	117	-	2300	310	689	1937	74
1012	192	216	3090	459	1301	4492	171
1013	137	-	2920	309	1345	4405	142
1014	171	-	2520	502	1363	4641	171
1015	81	-	916	224	470	1714	57
1016	45	_	1080	173	240	759	21
1017	51	-	523	170	322	941	29
1018	62	-	1600	255	691	2114	77
1019	63	-	1330	233	189	446	14
1020	10	-	247	94	127	233	9
1021	24	-	778	248	87	177	<5
1022	411	394	5710	1070	2298	6974	269
1023	199	-	3260	600	1205	4282	146
1024	237	=	3490	847	1600	5533	171
1025	22	.	735	226	130	286	12
1026	34	-	910	288	283	715	26
1027	62	-	1720	160	207	621	26
1028	202	-	3230	520	2876	9395	369
1029	62	-	1080	151	243	703	29
1030	165	<u>-</u>	2360	335	1253	4366	197
1031	285	262	3880	732	2497	8373	274
1032	298	285	3870	708	1885	6082	228
1033	247	-	2560	215	1271	2994	91
1034	41	=	1040	171	74	70	7
1035	141	_	3080	422	631	1838	53
1036	231	-	2800	363	1717	5829	214
1037	178	-	2680	532	1297	4518	192

One assay ton portion used.

Certified by_



A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2638-RG1

Company: L. LUHTA

3 30880

Project: Attn:

PGE

Date: SEP-14-98

L. Luhta

We hereby certify the following Geochemical Analysis of 10 Grab samples submitted SEP-08-98 by.

Sample Number	Au PPB	Au Check PPB	Cu PPM	Ni PPM	Pt PPB	Pd PPB	
1001	144	-	2020	433	571	1819	
1002	202	206	2600	404	2640	5451	
1003	51	-	1400	350	357	987	
1004	405	370	6240	1120	2160	7131	
1005	31	_	622	260	305	1037	
1006	12	-	251	160	<5	39	
1007	7	-	98	164	<5	<5	
1008	5	3	34	32	<5	7	
1009	34	-	51	34	5	<5	
1010	3	-	64	140	10	<5	

One assay ton portion used.



Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

8W-2247-RG1

Company:

L. LUHTA

Date: AUG-13-98

Project:

Attn:

L. Luhta

We hereby certify the following Geochemical Analysis of 4 Rock samples submitted AUG-06-98 by .

#1	Ni l	-	7	10
#2	137	117	504	1095
#3	55	-	171	410
#4	34	-	12	19

2.19600

One assay ton portion used.

Certified by_

TOTAL COSTS PER CLAIM

CLAIM # 1229230 FIELD WORK

5850,00

REPORT WRITING

2450/2

1225,00

1253.63/2 SUPPLIES & RENTALS

626,82

TRANSPORTATION: SHIPPING

5100 km (0,30/km 64.03 x 6370

1530.00 40,34

FOOD & LODGING

THEX 2429,29 X69% 1676.20

ASSAY COSTS

5311.48 × 6370 =

3346,22

TOTAL

14294,60

CLAIM # 1229222 FIELD WORK

3711,15

REPORT WRITING

2450/2

1225,00

SUPPLIES & RENTALS

1253,63/2

676,83

TRANSPORTATION SHIPPING

1300 km @ 0.30/Km 64,03 × 37%

390,00 23,69

FOUD + LODGING

2429,29 ×31% =

TOTAL

753,08

ASSAY COSTS 5311.48 x37% =

1965,25 8695,00

SEP 0 1 1999

PROVINCIAL RECORDING OFFICE - SUDBURY RECEIVED

SEP - 1 1999 A.M. // ... ** ** P.M.

2.19 Casts FIELD CLAIM # 1229230 3 man days @ 150/day 450 Aug. 5/98 prospecting Sept 10/98 prospecting 4 man days @150/day 600 (Zdays) Sept. 22-27/98 prospecting 2 man days @ 150/day (6days) trenching 2 man days @ 150/day 300 300 6 man days @ 150/day 900 Inecutting Sampling I mapping 4 mandays @ 350/day 1400 Sampler Lelper 4 men days @ 150/day 600 Sept 30/98 prospecting I man day @ 150/day sampling + mapping I man day @ 350/day sampler helper I man day @ 150/day 150 35 O 150 prospecting I man day (150/day sampling & mapping I men day (350/day samples helpes I man day (150/day TOTAL 150 Oct. 1/98 350 150 5850,00 CLAIM # 1229222 Oct. 18-22/98 backloe strypping 2/hr @ 45/hr +G.S.T 1011.15 (5 days) Brilling for sandes 2 man days @ 150/day
Washing out crop 4 man days @ 150/day 300,00 600.00 Brospecting 2 man days @150/day prospecting 2 man days @150/day 1050.00 450,00 300,00 3711.15 TOTAL

Joine Jult



Declaration of Assessment Work Performed on Mining Land

Mining Art Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9970.00268
Assessment Files Research Imaging

ctions 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this work and correspond with the mining land holder. Questions about this collection and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

900

Instructions: - For work performer - Please type or prin	d on Crown Lands before rec	ording a claim, us		
1. Recorded holder(s) (Attach			2.1	9680
Name LORNE LUHT			Client Number	
Address 30 Hellen Auc.	P.O. BOX 1914		Telephone Numbe	
SOUTH PORCUPINI NAME: ROBERT BA	E, ONT. PON	1140		1235:8048 ent Number:
	•		3	301342
ADDRESS: 174 RETIMY!	NE PLACE NS.ONT. P4P	IE8		elephone Number: 1268:9686
NAME: RON	RCHARD		Talogitationabe	1268; 9686 Client Numbers 301884
ADDRESS! BO BIL	RCH ST, NORTH	609	Far Number Tel	ephoro Number: 5) 267: 5441
2. Type of work performed: Ch			a groups for this	s declaration
Geotechnical: prospecting, s		/sical: drilling stripp		Rehabilitation
assays and work under section	on 18 (regs) utren	icing and associa	ted assays	<u>. </u>
Work Type Prospecting,	Mapping and	d Sampling		Office Use
Line cutting, Strip	ping, Trenching	3	Commodity	
Report and map p	reparation		Total \$ Value of Work Claimed	
Dates Work From Performed Day 06 Month 08 1	To (ear / 998 Day 22 Mo	inth 0 Year 998	NTS Reference	
Global Positioning System Data (If available)	Township/Area DANA		Mining Division	
	M or G-Plan Number G - 290	04	Resident Geolog District	ist
- complete ar - provide a m	per notice to surface rights he nd attach a Statement of Cos nap showing contiguous minin copies of your technical repo	sts, form 0212; ng lands that are li		ing work;
3. Person or companies who p	repared the technical repo	rt (Attach a list if r	necessary)	
Name LORNE L	uH777		Telephone Number	235 8048
Address 30 Hellen Ave		1914	Fax Number	
South Po	RCUPINE, ON	T. PONIHO	Telephone Number	
Address			Fax Number	
Name	E STORE STORE STORE OF THE STORE STO	-	Telephone Number	
Address	SEP 8 1 19	89	Fax Number	
4.4				
(Print Name)	4 777 , do hereby c			
this Declaration of Assessment Wor completion and, to the best of my k			vitnessed the sa	ime during or after its
Signature of Recorded Holder or Agent	Joine Lux	(XX		Date Aug. 30/99
Agent's Address		Telephone Number		Fax Number

0241 (03/97)

PROVINCIAL RECORDING
OFFICE - SUDBURY
RECEIVED SEP - 1 1999 A.M. How min 71819110111112111213141516

RECEIVED

SEP 0 1 1999 3 \$0 F0 F0

GEOSCIENCE ASSESSMENT OFFICE

columi	g Claim Number. Or if as done on other eligible g land, show in this n the location number led on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of wo to be distributed at a future date
9 9	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
g	1234567	12	0	\$24,000	0	0
g	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
	1229230	16	14295	6400	6400	1495
	1229231	16	0	6400	E	
	, -					
	1229222	16	8695	6400		229
0						
1						
2						
3						
4						
5				19200		
	Column Totals	48	22990	5	6400	3790
	LORNE L	<u> </u>			he above work credit	
here	the work was done.					
ignatu . II	nstructions for cutting be of the credits claimed in the ze the deletion of credits: 1. Credits are to 2. Credits are to 3. Credits are to 3. Credits are to 3.	ack credits that a his declaration ma to be cut back from to be cut back start to be cut back equ	y be cut back. Plea the Bank first, foll ing with the claims ally over all claims	owed by option 2 o listed last, working listed in this declar	e boxes below to sho r 3 or 4 as indicated. backwards; or ration; or	·
gnatu II ome	nstructions for cutting be of the credits claimed in the zethe deletion of credits: 1. Credits are to 2. Credits are to 3. Credits are to 4. Credits are to 4.	ack credits that a his declaration ma to be cut back from to be cut back start to be cut back equi-	re not approved. y be cut back. Plea the Bank first, foli ing with the claims ally over all claims rioritized on the att	use check (<) in the owed by option 2 o listed last, working listed in this declar ached appendix or	e boxes below to sho r 3 or 4 as indicated. backwards; or ration; or as follows (describe)):
gnatu . II	nstructions for cutting be of the credits claimed in the zethe deletion of credits: 1. Credits are to 2. Credits are to 3. Credits are to 4. Credits are to 4. Credits are to 5.	ack credits that a his declaration ma to be cut back from to be cut back start to be cut back equi- to be cut back as p	re not approved. y be cut back. Plea the Bank first, foli ing with the claims ally over all claims rioritized on the att	use check (<) in the owed by option 2 o listed last, working listed in this declar ached appendix or	e boxes below to sho r 3 or 4 as indicated. backwards; or ration; or as follows (describe)):
gnatu II ome rioriti	nstructions for cutting be of the credits claimed in the zethe deletion of credits: 1. Credits are to 2. Credits are to 3. Credits are to 4. Credits are to 4. Credits are to 5.	ack credits that a his declaration ma to be cut back from to be cut back start to be cut back equi- to be cut back as p	re not approved. y be cut back. Plea the Bank first, foll ing with the claims ally over all claims rioritized on the att	use check (<) in the owed by option 2 o listed last, working listed in this declar ached appendix or	e boxes below to sho r 3 or 4 as indicated. backwards; or ration; or as follows (describe)):
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ome ote:	nstructions for cutting be of the credits claimed in the zet the deletion of credits: 1. Credits are to 2. Credits are to 3. Credits are to 4. Credits are to 4. Credits are to followed by option number of Stamp	ack credits that a his declaration ma to be cut back from to be cut back start to be cut back equi- to be cut back as p	re not approved. y be cut back. Please the Bank first, following with the claims ally over all claims nioritized on the attention be deleted, created and the Deemed Date Approved.	ise check (<) in the owed by option 2 or listed last, working listed in this declar ached appendix or edits will be cut back the owed by the the owed b	boxes below to show a solution of the Bank first Date Notification of the Date Value of Communication of the Bank first	n Sent



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction	Number	(office use))
W99	70.1	0056	8

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

	1	2.196	
Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Backhoe strupping	21 hours 4 man days	45/hr + G.S.T 150/day	1011.15
trenching outcrop washing Line cutting	4 man days	150/da4 150/da4	900,00
prospecting	13 man days	150/day	1950.00
ogical identification			
tample ng of mapping	9 days	350/day	3150,00
campling helper	9 days.	150/day	1350.00
eport writing + drastains	7 days	350/da4	2450,0
1	, mobilization and demobilization).	,	
Rental Plugger	rs, water pump		717.48
tracing pap			35,65
	tery, electrical tape		494.58
Gas for pa	mp		5,92
Assay CosT	⁺ s		5311.4
<u> </u>	ortation Costs		
6 trups Temmins	er to Sig Ireturn)	6400 Km @	1920,
Shypping samp	les		64.0
	and Lodging Costs		
3 people,	Verner		2429.
<u>, </u>	DEOFINE		
	RECEIVED otal Value	of Assessment Work	22989.
	SEP 0 1 1393		
Calculations of Filing Discounts	OFFICE ASSESSMENT		
2. If work is filed after two years	performance is claimed at 100% of the and up to five years after performance this situation applies to your claims, u	e, it can only be claimed	at 50% of the Total
	ENT WORK × 0.50 =	Total \$ val	ue of worked claim
TOTAL VALUE OF ASSESSM			

SEP - 1 1999 A.M. 1/20 7 7 P.M.:. 7 | 8 | 9 | 10 | 11 | 12 | 12 | 13 | 13 | 13 | 14 |

Signature Date

Oceno Life Aug 30/99

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines



Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9845 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

December 1, 1999

LORNE EINO LUHTA

30 HELEN STREET SOUTH PORCUPINE, ON

P0N-1H0

Submission Number: 2.19680

Status

Subject: Transaction Number(s):

W9970.00268 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.19680

Date Correspondence Sent: December 01, 1999

Assessor: LUCILLE JEROME

Transaction

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9970.00268

1229230

DANA

Approval After Notice

November 30, 1999

Section:

Number

9 Prospecting PROSP

10 Physical PSTRIP

10 Physical PTRNCH

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

The assessment credit is being reduced by \$970.00. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is \$22,020.00 as outlined in the 45 day notice.

Correspondence to:

Resident Geologist

Sudbury, ON

Assessment Files Library

Sudbury, ON

Recorded Holder(s) and/or Agent(s):

LORNE EINO LUHTA

SOUTH PORCUPINE, ON

ROBERT JAMES BAILEY

TIMMINS, ONTARIO

RONALD JAMES ORCHARD

TIMMINS, ONTARIO

Distribution of Assessment Work Credit

22,020.00

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: December 01, 1999

Submission Number: 2.19680

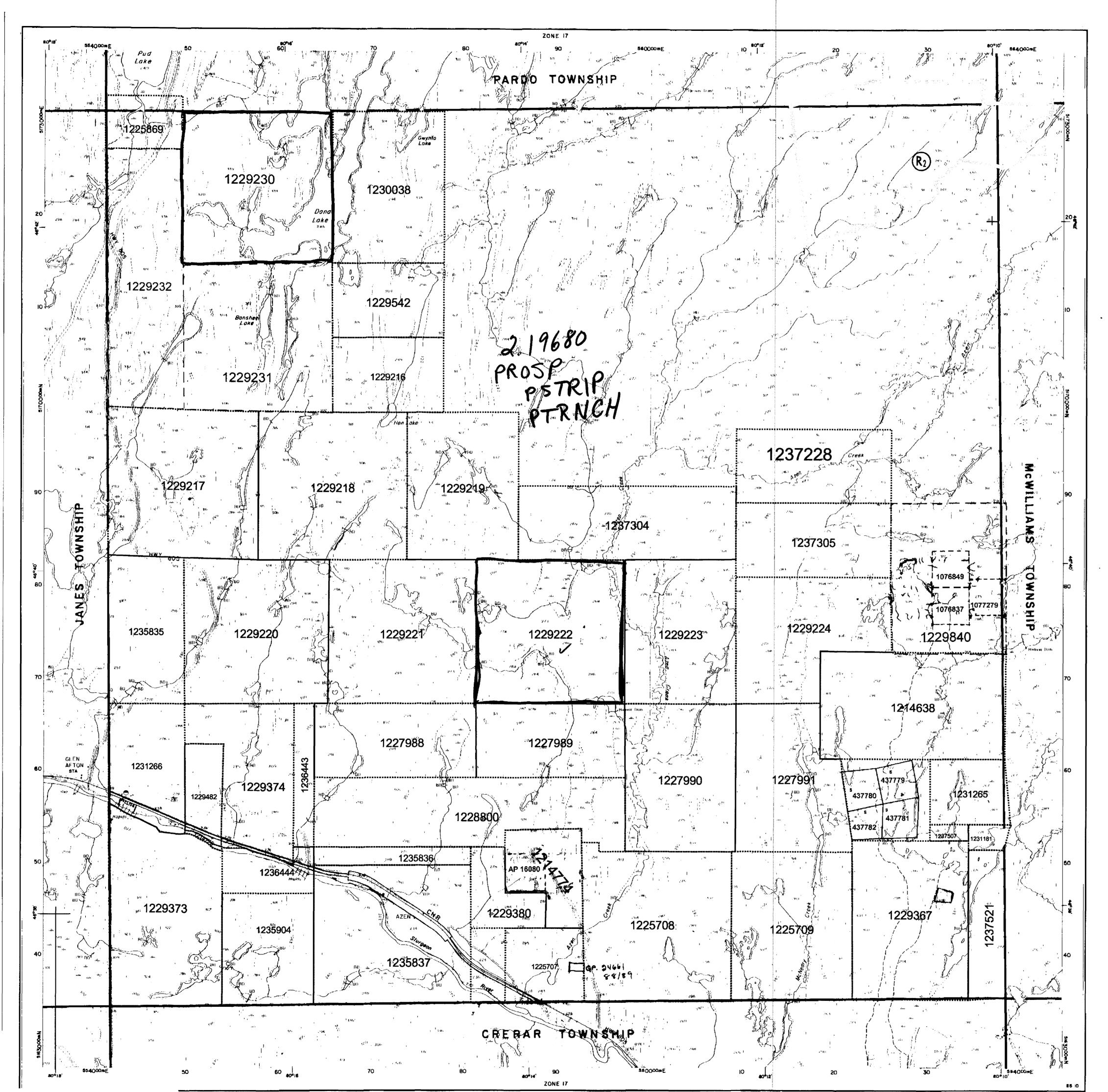
Transaction Number: W9970.00268

 Claim Number
 Value Of Work Performed

 1229230
 14,295.00

 1229222
 7,725.00

Total: \$



Ministry of Natural Resources

Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

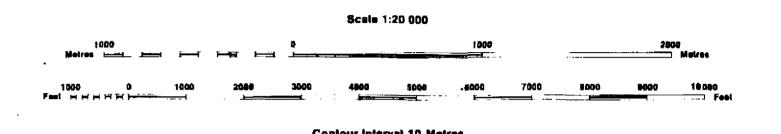
SOL LO SOL AND ACCULACY

PLAN G-290

2904

DANA

M.N.R. ADMINISTRATIVE DISTRICT
NORTH BAY
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
NIPISSING



SYMBOLS

Boundary

Township, Meridian, Baseline
Road allowance; surveyed
shoreline

Lot/Concession; surveyed
unsurveyed

Parcel; surveyed
unsurveyed

Right-of-way; road
rallway
utility

Reservation

Cliff, Pit, Pite

Contour
Interpolated
Approximate
Depression

Control point (horizontal)
Flooded land

Mine head frame

Pipeline (above ground)

Railway; single track
double track
abandoned

Road; highway, county, township
access
trail, bush

Shoreline (original)
Transmission line
Wooded area

AREAS WITHDRAWN FROM DISPOSTION

M.R.O. - MINING RIGHTS ONLY S.R.O. - SURFACE RIGHTS ONLY M.+S. - MINING AND SURFACE RIGHTS

8EC.38/80 0-8-89/86 09/86/86 M & 5 | 196|

et at arder W 2/82. REQUENCED by arder CI/BO NER affastive April 2/800 at 7,00 AM E.S.T.

R₂ Sec. 35 W-LL-C182/99 ONT 11/05/99 M & S

A.P.-MOSO JUNE 1/92 TO MAY 8/194

Allenter and war great the

NOTES

SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS WAS ANNULLED.

DISPOSITION OF CROWN LANDS

Patent	
Surface & Mining Rights	
Surface Rights Only·····	🚡
Mining Rights Only	
ease	
Surface & Mining Rights	
Surface Rights Only	🗖
Mining Rights Only	🗖
Licence of Occupation	<u> </u>
Order-in-Council	o
Cancelled·····	······· 🛭
Reservation	····· (6
Reservation	
AND USE PERMIT	4
	Y

THE INFORMATION THAT
APPEARS ON THIS MAP
HAS BEEN COMPILED
FROM VARIOUS SOURCES,
AND ACCURACY IS NOT
GUARANTEED. THOSE
WISHING TO STAKE MINING
CLAIMS SHOULD CONSULT
WITH THE MINING RECORDER
MINISTRY OF NORTHERN
DEVELOPMENT AND MINES.
FOR ADDITIONAL INFORMATION
ON THE STATUS OF THE
LANDS SHOWN HEREON.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot labric and parcel boundaries on this index was compiled for administrative purposes only.