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PLACER DOME CANADA LIMITED

PROJECT 514 - GOLDEN ARM PROPERTY

GEOLOGICAL REPORT - 1994 WORK PROGRAMME

TODD TOWNSHIP, ONTARIO

NTS: 52M/1



2.16725

RECEIVED

RED LAKE MINING DI

JUL 2 5 1996 M PM 7,8,9,10,11,12,1,2,3,4,5,6

STUART W. DEVEAU

JULY 1996



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(in back pocket)

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PLACER DOME CANADA LIMITED PROJECT 514 - GOLDEN ARM PROPERTY GEOLOGICAL REPORT - 1994 WORK PROGRAMME TODD TOWNSHIP, ONTARIO NTS: 52M/1

SUMMARY AND CONCLUSIONS

Examination of the Golden Arm property (GAP) during 1994 defined the lithology of the area and located a previously trenched area at the northeastern end of Wolf Bay. The GAP was mapped at a scale of 1:2500 and a detailed sampling programme was conducted to document lithology, mineralization and/or alteration. All samples were analysed for gold (Au) plus nine other elements. The highest Au value returned was 235 ppb from a small pit at the northeast corner of claim KRL 1197144. The data from ground and airborne geophysical surveys conducted during 1994 indicate that the GAP is located over two northeasterly trending magnetic highs; these may be in response to ultramafic units which occur in the area.

In conclusion, the 1994 work programme defined the geology of the GAP and suggested that magnetic highs on the east and west sides of Golden Arm are in response to ultramafic rocks which outcrop in the area. Other magnetic highs that occur under the waters of Golden Arm may also be due to ultramafic rocks and remain possible future drilling targets (see Recommendations on Page 9).

INTRODUCTION

The GAP is located approximately 20 km west of the town of Red Lake, Ontario (Fig. 1). The 13 contiguous claims, consisting of 63 16-hectare claim units, were staked in September 1993. During the spring of 1994 approximately 100 km of line were cut. The lines were cut at 100m spacing tied to a base line with an azimuth of 45° true north. Between July 15, 1994 and August 15, 1994 an exploration programme under the direction of Reginald P. Seyler (P.O. Box 158, Balmertown, Ontario, POV 1C0) was conducted on the GAP consisting of prospecting, geological mapping and lithogeochemical sampling. Where continuous outcrops were noted,

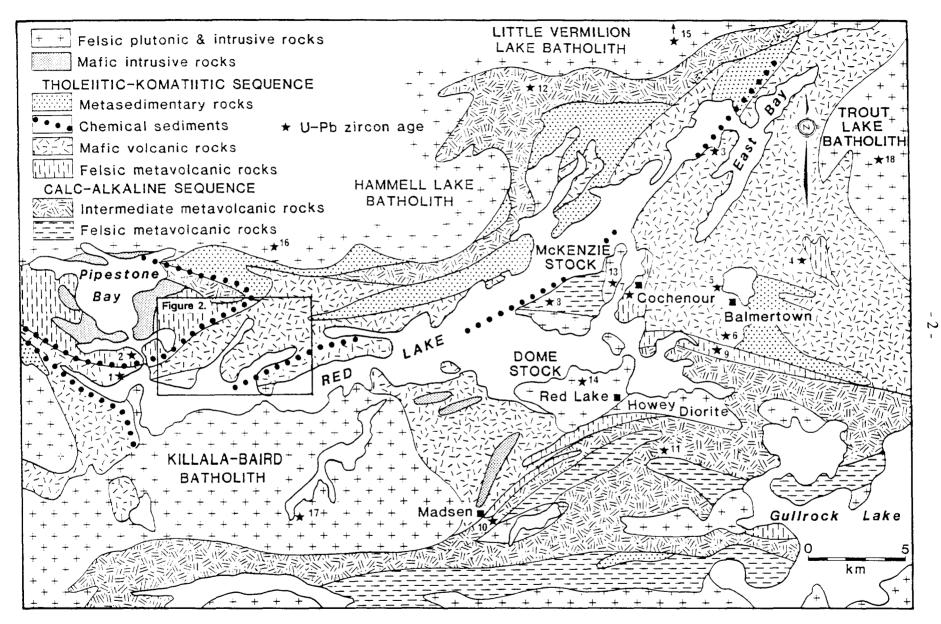


Figure 1. Location map and generalized geology map (after Andrews et al., 1986). Box shows location of Figure 2.

samples were taken at 50m intervals.

PROPERTY

The GAP consists of 13 contiguous unpatented mining claims, totalling 63 16-hectare claim units, located in Todd Township, Red Lake Mining Division, District of Kenora, Ontario (Fig. 2). Table 1 shows a listing of the mining claims included in the GAP.

TABLE 1

| Claim <u>Number</u> | No. of <u>Claim Units</u> | Recording Date |
|--|---|--|
| 1197133 1197134 1197135 1197136 1197137 1197138 1197138 1197139 1197140 1197141 1197142 1197143 | 10 2 10 12 4 1 6 2 2 10 2 | 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 09/28/1993 |
| 1197144 1197145 | 1 | 09/28/1993 09/28/1993 |

Golden Arm Property Claims

LOCATION AND ACCESS

The GAP lies approximately 20 km west of the town of Red Lake, Ontario between latitudes 51°01'30" and 51°03'20", and longitudes 94°03'28" and 94°08'42". Depending upon the season, the property is accessible by either snowmobile or boat from the town of Red Lake.

PREVIOUS WORK

The first recorded work in the area was by Red Wolf Gold Mines Limited who conducted 625 feet of diamond drilling in the eastern part of the property. The holes intersected

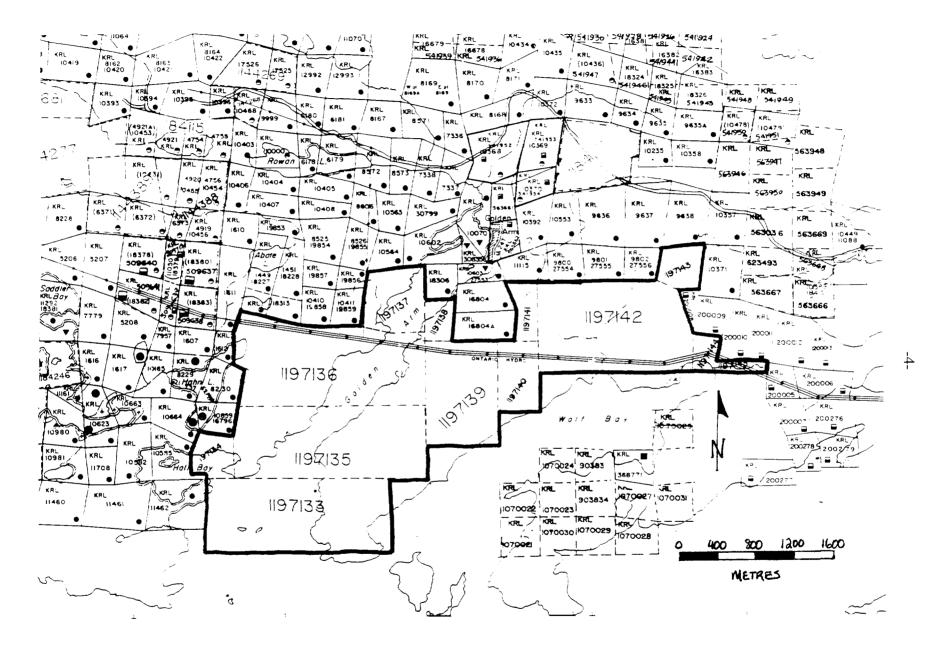


Figure 2: Claim map for the Golden Arm claims.

sedimentary rocks, diorite, volcanics and iron formation; no assays were reported. In 1958, a property exam was conducted by Donald A. Bourne on the George Elliott Red Lake Property covering parts of claims KRL1197135 through 1197139 (Bourne, 1958). He recommended that a magnetic survey be conducted followed by detailed geological mapping and intensive prospecting. In 1968, Aiken Russett Red Lake Gold Mines Limited conducted geological mapping over their Wolf Bay Property (now covered by parts of KRL1197140 through 1197144)(Kuryliw, 1968). They noted a shear zone within mafic volcanics on claim KRL1197144; the zone trends at 075° and dips steeply south.

In 1979, Dome Exploration (Canada) Limited contracted Geosearch Consultants Limited to conduct an electromagnetic and magnetic survey over parts of KRL1197133 through 1197135 (Woodard, 1979). Two conductors were outlined and it was recommended that they be drilled. The stronger of these conductors was drilled in 1980; the drilling intersected a zone of cherty sediments containing layers of massive pyrite. In 1982, Canadian Nickel Company Limited conducted airborne electromagnetic, magnetic and rediometric surveys over an area covered by claims KRL1197133, 1197135 through 1197145 (Krause, 1982). Several electromagnetic anomalous areas were identified and ground follow-up was recommended.

Between 1983 and 1987, Noranda Exploration Company Limited conducted work over parts of claims KRL1197135 and 1197136. Their work included geological mapping (Maxwell, 1983), a magnetometer survey (Carriere, 1985), one diamond drill hole to test an electromagnetic anomaly, an electromagnetic survey (Carriere, 1987a) and magnetometer and VLF surveys (Carriere, 1987b). In 1994, Placer Dome Canada Limited contracted Techterrex Incorporated to conduct a ground magnetometer survey over the entire property (Wilson, 1994).

GENERAL GEOLOGY

The GAP is located in the west part of the Red Lake Greenstone Belt in the western portion of the Uchi Subprovince, a tabular, east-west trending series of metavolcanics and lesser metasedimentary rocks (Stott and Corfu, 1991; Fig. 1). The belt is comprised of three distinct sequences (Gulson *et al.*, 1993): a lower sequence of mainly tholeiitic and komatiitic volcanic rocks formed between 2800 and 3000 Ma; a middle sequence comprised of felsic to intermediate pyroclastic rocks, dated at 2830 Ma; and, an upper sequence of tholeiitic volcanics dated around 2740 to 2760 Ma and younger calc-alkaline rocks with an age of 2730 to 2740 Ma (Corfu and Andrews, 1987).

PROPERTY GEOLOGY

The GAP is underlain predominantly by massive to pillowed mafic volcanic rocks, with lesser amounts of intermediate to felsic volcanic rocks, mafic to ultramafic intrusives, felsic intrusives and sedimentary rocks (Drawing 1). These rocks, as defined by Andrews *et al.* (1986), have been metamorphosed within the greenschist facies. A summary of the rock types encountered is shown in Table 2:

TABLE 2

Lithological Units

| Rock code 3 | - | <u>Rock Type</u> MAFIC TO INTERMEDIATE METAVOLCANICS 3a - Mafic Flow 3c - Pillowed Basalt |
|----------------|---|--|
| 4 | - | INTERMEDIATE TO FELSIC METAVOLCANICS 4a - Intermediate Flow 4b - Intermediate Tuff |
| 5 | - | FELSIC METAVOLCANICS 5a - Felsic Flow 5b - Felsic Tuff |
| 6 | - | METASEDIMENTS 6e - Argillite 6f - Quartzite 6j - Chert |

TABLE 2 (cont'd)

| Rock code | | Rock Type |
|-----------|---|--|
| 7 | - | IRON FORMATION |
| | | 7a - Oxide Facies I.F. (Chert - Magnetite) |
| 8 | - | LIMESTONE DOLOMITE |
| | | 8a - Marble |
| 10 | - | MAFIC TO INTERMEDIATE INTRUSIVES |
| | | 10a - Gabbro |
| | | 10b - Diorite |
| 11 | - | FELSIC TO INTERMEDIATE INTRUSIVES |
| | | 11a - Granite |
| 13 | - | ULTRAMAFIC INTRUSIVES |
| | | |

The sedimentary rock package consists of argillite, quartzite, chert and iron formation (chert-magnetite). These rocks are of limited extent and occur near the southern end of the property on the east side of Golden Arm at the north end of property. Sulphide mineralization within the sedimentary rocks consists of pyrite, is generally disemminated in amounts less than one percent, but is also massive (up to 50%) in argillite. Minor carbonate alteration is also present.

Felsic volcanic rocks consist of felsic flows and tuffs and occur predominantly on the west side of Golden Arm in the north-central part of the property (Drawing 1). These rocks are generally fine grained, light green to tan coloured, contain minor carbonate alteration and pyrite (less than one percent), and are relatively undeformed (a slight foliation was noted trending east-west and dipping steeply south). Intermediate volcanic rocks (flows and tuffs) occur in the southwest part of the property, are generally fine grained, medium green in colour, relatively undeformed and contain pyrite and pyrrhotite (less than one percent). Minor silicification and carbonate alteration are also present.

-7-

Mafic flows occur predominantly on the east side of Golden Arm, but also occur on the west side within the mafic and ultramafic intrusive rocks (Drawing 1). These are fine to medium grained, dark green in colour and massive to pillowed. The foliations trend 005° to 120° (average 073°) with variable dip steeply to the north and south. Within this mafic unit are isolated exposures of mafic intrusive rocks (gabbro and diorite) and intermediate to felsic volcanic rocks (flow and tuff). Sulphide mineralization consists of disseminated pyrite, pyrrhotite and chalcopyrite (generally less than one percent); carbonate alteration occurs locally within the mafic flow units. Quartz and quartz-carbonate veining occurs locally and is oriented northeast-southwest.

Mafic intrusive rocks occur in the western portion of the property and locally within the mafic volcanic unit. They consist of fine to coarse grained, dark green to black massive gabbro with less than one percent sulphide minerals (pyrite, pyrrhotite and chalcopyrite), and medium to coarse grained porphyritic diorite containing less than one percent pyrite. Ultramafic intrusive rocks outcrop on the east and west sides of Golden Arm. These are generally dark green, altered to fine to medium grained serpentinite and locally contain up to 15% magnetite. Iron carbonate alteration is also common. Coarse grained granite occurs in the southwestern portion of the property. This is light pink in colour and contains quartz and potassium feldspar with lesser amounts of plagioclase and biotite.

ROCK GEOCHEMISTRY

A total of 144 rock samples were collected from the GAP, sent to Chemex Labs in Toronto, Ontario and analysed for Au plus nine elements; sample descriptions for these are given in Appendix I. Nearly 90% of the gold analyses were below the detection limit (5ppb); one sample from a narrow quartz vein with pyrite at the eastern edge of the property returned a gold value of 230 ppb; this vein is apparently of limited extent. Table 3 lists some of the anomalous Au geochemistry results; a complete list of the geochemistry results is given in Appendix II.

TABLE 3

Geochemistry Results 10 ppb or Greater

| Sample No. | Location | Rock Code | <u>Au (ppb)</u> |
|------------|---------------|-----------|-----------------|
| E50692 | 35+00N/24+50E | 3a | 10 |
| E50693 | 34+00N/24+75E | 3a | 15 |
| E58407 | 59+60N/38+45E | 3a | 35 |
| E58408 | 59+60N/38+45E | qtz | 230 |
| E58409 | 58+00N/39+20E | 3a | 15 |
| E58411 | 57+30N/34+50E | 3c | 10 |
| E50643 | 23+00N/19+45E | 3a | 30 |
| E50776 | 18+85N/27+30E | 6e | 10 |
| E50778 | 24+10N/20+20E | 3a | 40 |
| E50783 | 27+00N/22+85E | 3a | 20 |
| E50800 | 46+25N/23+85E | 3c | 40 |
| E50802 | 30+75N/10+65E | 3a | 10 |
| E58252 | 50+00N/27+25E | qtz | 10 |
| E58254 | 50+75N/24+25E | 3c | 10 |
| E50741 | 24+00N/8+25E | 13 | 10 |
| E50750 | 18+00N/12+45E | 13 | 10 |

RECOMMENDATIONS

Based on the 1994 work, high magnetic anomalies on the east and west sides of Golden Arm are likely in response to mafic and ultramafic intrusive rocks which outcrop in these areas. High magnetic anomalies under the waters of Golden Arm are also likely due to mafic and ultramafic rocks; these could be tested by future diamond drilling. The quartz vein at the eastern edge of the property that returned a gold value of 230 ppb is apparently of limited extent; this area could be stripped and/or trenched to look for possible extensions to this vein or other veins in the area. However, no further work is recommended at this time.

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Report on a Ground Magnetometer Survey, Todd, Dome and McDonough Townships, Red Lake Mining Division, District of Kenora, Ontario, for Placer Dome Canada Limited.

CERTIFICATE OF QUALIFICATIONS

I HEREBY STATE THAT:

- 1. I currently reside at 212 Hammell Road, Red Lake, Ontario.
- 2. I am employed as a Contract Geologist/Assistant Landsperson with Placer Dome Canada Limited, in Cochenour, Ontario.
- 3. I possess a Bachelor of Science (Honours) Degree in Geology from Acadia University, where I graduated in 1988, and a Master of Science Degree in Earth Sciences (Geology) from Memorial University of Newfoundland, where I graduated in 1992, and have practiced in my profession since 1993.
- 4. I am an Associate of the Geological Association of Canada.
- 5. This report is based upon published and unpublished sources of information, and field work conducted during 1994.
- 6. To the best of my knowledge, all of the information contained with this report is factual and true.
- 7. At no time, have I received or expect to receive any interest, directly or indirectly in the property.

Dated at Cochenour, Ontario, Canada this 24^{th} day of _____ July 1996.

tuart W. Deveau, B.Sc.H., M.Sc.

APPENDIX I

SAMPLE DESCRIPTIONS

The following abbreviations are used in the Sample Descriptions below:

UM - ultramafic interm./Inter. - intermediate w/w - with serp - serpentinite carb/cc - carbonate Fe-carb - iron carbonate qtz - quartz volc. - volcanic cpy/chalco - chalcopyrite IF - iron formation tr - trace fm - formation xl - crystalline int. - intrusive lt - light xls - crystals hem - hematite alter. - alteration py - pyrite

| SAMPLE NO. | LINE (N) | CHAINAGEÉ | ROCK CODE | Au (ppb) | Cu (ppm) | Zn (ppm) | Ag (ppm) | As (ppm) | COMMENTS |
|------------|------------|-----------|--------------|-------------|-------------|-------------|-------------|-------------|--|
| 50776 | 18+85 N | 27+30E | 6e | | (80 | 26 | <i>[.0</i> | 6 | Arcyllite weakly megnetic, massie Sulfides |
| 50777 | 22 +00N | 20+40 E | 36 | 45 | 124 | 64 | <02 | 42 | MAFIC TUFF at contact w/ ULTRAMAFICS |
| 50778 | 24+10 N | 20+20E | Зa | 40 | 201 | 40 | 41 | 42 | MAFic Flow, to SULFIDES (BLEBS) |
| 50779 | 25+25N | 22+15E | 3a | 45 | 335 | 46 | ţi. | 42 | MAFE Flow w/ Qt & CARB. STringers tr. |
| 50 780 | 26+85N | 17 + 65E | 13 | 45 | (3 | 24 | (1 | 42 | Green Susarute ? at contact w/ serventinit |
| E5078/ | 27+75N | 20+ 10 E | 10 a | 45 | 39 | 52 | 4 | <2 | Qtz vein in a Gabbro unit |
| 50782 | 28+00 N | 23+30E | 3a | <u> </u> | 91 | 48 | 4 | <2 | matic flow w/ Fe carb, some shown |
| 50783 | 27+00 N | 22+85E | 39 | 20 | 325 | 28 | 64 | ~ <u>2</u> | matric flow w/sulfides (punite) |
| E50784 | 31+00 N | 20+00E | 106 | 45 | 6 | 32 | 64 | -2 | Diorite Porphymy w/ tr. sulfides |
| E50 785 | 30+00N | 18+90E | 106 | 45 | 4 | 4 | n | -2 | QUARTZ vein in Dionite Porphyry |
| E50786 | 32+20N | 18+50E | 13 | <5 | 92 | 140 | ti . | 2 | Sheared Serpentinite on a Sinstral Strike |
| =50787 | 32+50 N | 24+85E | 3a | 45 | 98 | ડ્ય | 61 | 42 | MAFIC Flow w/ tr. Sulfides |
| E 50 788 | 32+00N | 21+00E | 3a | <u> </u> | 54 | (8 | 61 | 2 | MAFIC flow, calutic, tr. Sulfides |
| 50789 | 36+55 N | 19+85 E | За | <5 | 27 | 38 | n | ~2 | Mutric flow w/tr. Sulfides |
| 550790 | 36-60 N | 20+10 E | 39 | <5 | 226 | 56 | 41 | 2 | mAFic Flow, tr. Sulfices, Blue Quartz? |
| E50791 | 39+00N | 19+00E | 106 | <5 | 7 | 30 | 4 | <u> </u> | Dionite Parphyry w/ fr. SulFides |
| E50792 | 39+00 N | 19+00E | 32 | <5 | 89 | 50 | 11 | <2 | MAFR Flow Sheared, Fe staining |
| £50793 | 40+50 N | 15+20E | Fa | - 45 | 31 | 8 | 41 | -2 | IRON FM, Lots of Sulfides, Gossawous |
| E 50794 | 39+50 N | 19+50E | 36 | 45 | 40 | 46 | *1 | 42 | TUFF in contact w/ MAFR Flow, to charles |
| E50795 | 41+25N | 15+00E | 10a | 45 | 502 | 46 | - fi | 2 | GAbbro w/ tr. Sulfides (chalco) |
| E50796 | 38+00 N | 26+00E | 3a | 45 | 79 | æ | 6, | 42 | MAFic Flow w/ Gr. Sulfides & cakite: |
| E50797 | 39+00 N | 23+75E | 3a | <5 | 143 | <u> Zs</u> | 41 | -2 | MAFIC Flow w/ to Sulfides |
| E50798 | | 25+00E | 3a | <5 | 167 | 38 | 1. | 2 | matic flow w/ calcite Stringers, to pyint |
| E50799 | bu fost +3 | | 3a | <5 | 160 | 82 | - ц | 42 | mafic flow is/tr. Sulfides |
| E50800 | 46+25N | 23+85E | 3c | 40 | 16 | 6 | 40.2 | 42 | Quartz less in Pulloused Slow |
| E50801 | 31+15N | 10+65E | | 15 | 35 | 94 | 40.2 | 14 | Fe-corb = trace sulfides |
| E50502 | 30+75N | (0+65E | 3a | 10 | କ | 58 | 40.2 | 50 | matic flow is carb + trace sulfides |

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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| E58304 26+00 12+50 13 45 37 46 40.2 22 UM in magnetite E58305 26+05 6+25 13 45 165 44 " 42 UM E58306 26+35 6+05 13 45 20 " 42 UM E58306 26+35 6+05 13 45 20 " 42 UM E58306 26+35 6+05 13 45 20 " 42 UM E58307 26+25 2+25 8 45 41 42 " 2 massive corbonate E58308 2+00 3+80 13 45 7 30<" | |
| ESTENSO 26+05 6+25 13 45 165 44 " 42 UM ESTENSO 26+35 6+05 13 45 20 " 42 UM ESTENSO 26+35 6+05 13 45 20 " 42 UM ESTENSO 26+35 6+05 13 45 20 " 42 UM ESTENSO 26+25 2+25 8 45 41 42 " 2 massive contrologies ESTENSO 2+00 3+25 8 45 7 30 " 2 massive contrologies ESTENSO 2+00 3+20 13 45 7 30<" | |
| ES8306 26+35 6+05 13 45 2 20 " -2 UM ES8307 26+25 2+25 8 45 41 42 " 2 marsive corbonate ES8308 27+00 3+80 13 45 7 30 " 82 UM ~ magnetite + Fercords 5 ES8309 27+00 5+40 13 45 10 40 " 6 UM ~ magnetite + cords. ES8309 27+00 6+50 34 45 57 88 " 42 matric flow ~ magnetite | |
| ESTERIO 27+00 6+50 34 45 57 88 " 42 marsive contrante ESTERIO 27+00 3+80 13 45 7 30 " 82 UM is magnetitle + Fercente 5 ESTERIO 27+00 5740 13 45 10 40 " 6 UM is magnetitle + conte. ESTERIO 27+00 6+50 34 45 57 88 " 42 matric flow is magnetitle | |
| ES8308 27+00 3+80 13 45 7 30 " 82 UM ~ magnetite + Fercents 5 ES8309 27+00 5740 13 45 10 40 " 6 UM ~ magnetite + conts. E58310 27+00 6+50 34 45 57 88 " 42 matric flow ~ magnetite | |
| ES8308 27+00 3+80 13 45 7 30 " 82 UM ~ magnetite + Fercents 5 ES8309 27+00 5740 13 45 10 40 " 6 UM ~ magnetite + conts. ES8310 27+00 6+50 34 45 57 88 " 42 matric flow ~ magnetite | |
| ESE309 27+00 5740 13 <5 10 40 " 6 UM à magnetite + corb. ESE310 27+00 6750 34 45 57 88 " 42 matric flow à magnetite | Minge 13 |
| E58310 27+00 6+50 34 45 57 88 " 42 matic flow is magnetike | |
| 5 - 5 - 11 - 11 - 11 - 12 - 13 - 13 - 15 - 10 - 12 - 10 - 141 - 1 - 10 - 141 - 1 - 10 - 141 - 10 - 10 | |
| E58311 27+00 11+25 13 45 69 72 " 10 UM corbonatived, chlaritized, m | inor sulfide |
| E58312 25+00 9+00 3a <5 228 38 " <2 marchew | |
| E58313 28+00 5+50 13 <5 18 58 " 4 sepentivité à magnetite | |
| ESEBIY 28+00 5too 3a 45 4 20 " 62 matic flaw 2 carb. | |
| ESE3:5 27+85 4+35 10 45 148 42 " 62 makic intrusive, minar carle serp. | + magnetite |
| ESE3:6 DEF40 6400 13 45 3 26 " 62 UM serpentinication & carb. | |
| E58317 29410 6+75 13 45 4 36 " 4 UM, showed, secontinized a | magnetite |
| ESE31E 24+00 10+75 13 45 24 76 " 42 UM FE-LOND, minar sulfides | |
| EST319 30+00 9+50 3a 45 19 28 " 10 matic is abundant Fe-carb | |
| E58320 39490 7450 13 <5 56 52 " 6 UM in magnetite + nutra Ca | arb. |
| ESE321 30+00 5+25 10 45 2 30 " 42 matic intrusive à pervasive : | corto. |
| ES8322 36785 12740 50 45 4 24 " 2 rhydlite | |
| E58323 35+05 13+30 13 45 51 16 " 26 UM, Finely X = magnetite + Fe | é-carb |
| E58324 33+60 13+25 10a 15 73 12 " 2 matric int. is prove + E ce | wb |
| | 8326 |
| ESE326 37+75 shareline 45 11 14 " 62 Lt. green fibrous a black lineate | ed kls. |
| E58327 39470 8775 5a 45 2 36 " 6 felsic & Crhyolite?) is here + n | |
| E58328 42+05 10+10 13 -5 9 46 40.2 42 UM misty weathering, magnetite | MINON CONTO. |

| PROJECT : | 514 - GOL | DEN ARM | <u> </u> | | | <u> </u> | | | |
|------------|-----------|-----------|------------|-------|-------|------------|----------------|-------|--|
| | | | ROCK | Au | Cu | Zn | Ag | As | |
| SAMPLE NO. | LINE (N) | CHAINAGE | CODE | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | COMMENTS |
| E58329 | 42+75 | shoreline | 13 | -45 | 45 | 48 | 40.2 | 8 | serpentitie to magnetite + mihour and |
| E58330 | 34490 | 20+30 | 3a | 45 | 26 | 2 0 | 40.Q | 18 | matic flow a negrotite + cc-atter. |
| E58331 | 34+10 | 23+80 | 3a | 45 | 209 | ର୍ଷ | <u> </u> | 8 | matic flow is minar sulfide (sheared) |
| ESERSI | 50+00 | 27+75 | <u> 3a</u> | 5 | 303 | 26 | (1 | 12 | matic flow = trace sulfide |
| ESERTR | 50+00 | 27+25 | | 10 | 139 | 30 | u | 14 | 6" gtz stringer zone in matic flow |
| E58253 | 50+25 | 26+80 | | 45 | 132 | 70 | ٩ | 6 | 6° gtz-ce very in pillow basalt |
| ESTRASY | 50+75 | 24+25 | 30 | (0 | 61 | 34 | ۹t | 6 | siliceaus charty pillow selvage the 3c |
| ESTRAIS | 51+00 | 24+20 | | دح | 67 | 26 | ų | ų | asbestos dyke? see notes for Ang 4 |
| E58256 | 51+00 | 19+50 | 3a/4a | 45 | 147 | 212 | h | 20 | felsic - intermediate with on silicified make flow |
| ESPAS7 | 52+25 | 28+60 | 3a | <5 | 190 | 58 | ţi. | 14 | motic flow, carbonatized, gtz weining |
| ESERSE | 52+00 | 22+00 | | - 45 | 12 | æ | i _t | 4 | cherty gtz ver (6") near 3c (flat?) |
| ESF259 | 53+00 | 27+25 | 3a | <5 | 122 | 44 | ti | 8 | Interm - matic Haw a trace sulfide (silicitie |
| E58260 | 54+25 | 23+75 | 3c | 25 | 169 | 72 | lí | 8 | shear zone through pillow baralt |
| ESERGI | 54+25 | 27+50 | 3a | 5 | 43 | 48 | 11 | 6 | gtz-could vering in combonatized nearly flaw |
| | | _ | | | | | | | 1 |
| E50729 | 20+00 | 11+75 | 13 | 45 | 17 | 34 | 40.2 | 22 | UM |
| ESC730 | 19+90 | 7+25 | <u>3a</u> | 45 | 222 | 64 | ч | (1 | mostic dyke |
| E50731 | 19+90 | 7+25 | (0 | 45 | 111 | 58 | ч | ti | matic intrusive |
| E50732 | 21+00 | 12+55 | 10 | 25 | 1 | 46 | ų | l1 | matic intrusive |
| E50733 | 22+00 | 12+75 | 13 | 65 | 10 | 36 | 11 | 6 | VM |
| ES0734 | 21tao | 11+95 | 13 | L-5 | 33 | 68 | 41 | L. | 1/1 is cort. + magnetite |
| E50735 | 2100 | 12+50 | | 45 | !6 | 3 | li | 11 | gtz weit in mastic /um |
| E50736 | 22+00 | 12+75 | (3 | 45 | 54 | 42 | 41 | 41 | UM = carb + neignetite |
| ESO737 | 22+00 | 9+45 | 3a | 45 | 4 | 34 | Li. | 4 | contenatived anatic |
| E50738 | 22+00 | 7+05 | 3a | 45 | 69 | 50 | ų | L | matic volc. ~ carb. |
| E50739 | 23+00 | 4+10 | 11 | 45 | 2 | 14 | Li I | ti | felsic - internediate intrusive |
| 50740 | 23+00 | 11+00 | 3a | 45 | 34 | 36 | u u | u | corbonatized matic |
| E50741 | 24+00 | 8+25 | (3 | 10 | 14 | 26 | 40.2 | 1 22 | Um |

| PROJECT : | 514 - GOL | DEN ARM | | | | | | | |
|------------|-----------|----------|--------------|-------------|-------------|-------------|-------------|-------------|--|
| SAMPLE NO. | LINE (ん) | CHAINAGE | ROCK CODE | Au (ppb) | Cu (ppm) | Zn (ppm) | Ag (ppm) | As (ppm) | COMMENTS |
| E50242 | 24/100 | 6+25 | 13 | 25 | 3 | - 30 | 40.2 | 62 | 1m |
| E50743 | 24400 | 4+50 | [3] | <u> </u> | 29 | 40 | ti | tj. | UM |
| ESOTUY | 24+00 | 3+80 | [3] | <u> </u> | 6 | 22 | *1 | ч | UM |
| E50745 | 25+00 | 6+25 | 13 | 45 | 94 | 54 | ti | ¢, | ILM - |
| E50246 | 11/25 | 1/+00 | 3a | 45 | 6 | 20 | n | 11 | matic flow |
| E50247 | 10+50 | 9495 | 3a | 45 | 2 | 38 | IJ | h | foliated motic flow |
| 50248 | 15+00 | 12+30 | 11 | 45 | 4 | 20 | Ħ | 41 | felsic-inter intrusive |
| E50749 | 17+00 | 11+85 | (3 | -5 | 6 | 52 | 40.2 | *1 | UM ~ magnetite |
| 1250-50 | 18+00 | 12+40 | 13 | 10 | (52 | 34 | 0.2 | -2 | UM = sep., corb & magnetite |
| | | | | | | | | | |
| E50619 | (8+00 | 21+25 | <u>3a</u> | 45 | 111 | 34 | 40.2 | 42 | Matic How |
| E50620 | 18+10 | 20+20 | 3a | 45 | 72 | 14 | ů. | <2 | matic flow is py |
| E5062 | 18+10 | 20+30 | (3 | 45 | 95 | 68 | 4 | N | breccided serpertinite |
| E50622 | 17+60 | 20+50 | 13 | - 45 | 96 | 132 | 4 | 1, | brecided serp., Fe-corb, slightly mognetic |
| E50623 | 19+00 | 20+15 | 3a | 45 | 44 | 44 | łi. | <u>u</u> | motic flow |
| ESC624 | 19+00 | 22+55 | 3a | 45 | 145 | 40_ | h | 61 | matic flow |
| ESCORT | 19+00 | 23+60 | 3a | 5 | 71 | 18 | - 11 | 1, | maficflow |
| E50626 | M450 | 25+85 | 39 | - 45 | 158 | 20 | 81 | - 11 | matic flow = extensive conbonatization in py |
| E50627 | 20+00 | 19+10 | <u> </u> | 45 | 37 | 48 | Jį | h | matic flow a corb. |
| E53628 | 20+05 | 18+25 | 13 | 45 | 93 | 18 | ti - | i i | UM (sepertinite) |
| E50629 | 21405 | 19+30 | 10a | -5 | 4 | 52 | h | 4 | gubbro |
| E50630 | 20+85 | 25755 | 3a | 45 | 146 | 20 | R | ŧi | matic flow |
| E50631 | 20+08 | 23+80 | 3a | <5 | 169 | 50 | 41 | (1 | matic flow |
| E50632 | 17+00 | 22190 | 30 | 45 | (05 | 38 | 4 | ti | matic flow a minor carb. |
| E50633 | 17+05 | 22+10 | 3a | 15 | 106 | 30 | 11 | 41 | matic flow is extensive carb |
| E50634 | 16+50 | 21+45 | | 15 | 32 | | === | 11 | gtz with in matic Flow |
| E50635 | 164-00 | 21+25 | 3a | - 45 | - Gg | 40 | 11 | 11 | mattic flow is sulfider, silvitied + contination |
| E50636 | 16+00 | 21+20 | <u>3a</u> | 45 | 128 | 28 | 20.R | 12 | matic flow |

| PROJECT : | 514 - GOL | DEN ARM | | | | | | | |
|------------|-----------|----------|------------|-------------|-------------|-------------|-------------|-------------|---|
| SAMPLE NO. | LINE (N) | CHAINAGE | ROCK | Au (ppb) | Cu (ppm) | Zn (ppm) | Ag (ppm) | As (ppm) | COMMENTS |
| E50637 | 15+00 | 23+25 | la | 45 | 8 | 50 | 40.2 | 42 | gronite |
| E50638 | 15+50 | 21+65 | 7a | 45 | al | 22 | 61 | 14 | IF |
| E50639 | 15750 | 21+65 | 3a | -5 | 216 | ५२ | at . | 42 | Matic flow in granite |
| E50640 | 18+75 | 19+85 | 13 | 45 | 74 | 36 | 43 | 22 | sepenshite |
| E50641 | 23+05 | 16+00 | <u>3a</u> | 45 | 130 | 222 | | 42 | motic breccia |
| E50642 | 23+05 | 16+00 | 3a | 25 | 275 | 14 | <u>81</u> | 6 | matic flow & pyrite |
| E50643 | 23+00 | 19+45 | 34 | 30 | 15 | 42 | 20.2 | 42 | matic Flow |
| E50644 | 23+00 | 19+65 | 10a | - 45 | 47 | 44 | u | 6 | gabbro |
| E50645 | 21+80 | 20+00 | 3a | - 45 | 200 | 22 | <u> </u> | 42 | matic flow a sulfider |
| E50646 | 24+00 | 16485 | 13 | 45 | 138 | 84 | 4 | 62 | sheared UM |
| ES0647 | 24+00 | 16+85 | 13/10a | 45 | 89 | 56 | 41 | 2 | um/gabbro contact zone |
| E50648 | 24400 | (9+50 | 13 | 45 | 13 | 36 | h | -2 | seventhile |
| E50649 | 24+10 | 20+00 | 10a | <5 | 333 | 44 | 4 | 42 | gabbro ā pyrite gabbro à pyrchetite |
| ESOBSO | 25+10 | 19+50 | 10a | 15 | 43 | 26 | 40.2 | 2 | gabbre w pyrchetite |
| · · | | | | | | | | | |
| E58451 | 61+00 | 30+00 | <u> 3a</u> | 45 | 49 | 24 | <0.2 | | Matic volcunic, Fe-stained, coub. breccia |
| E58452 | 29+00 | 9+60 | 30 | 45 | 68 | 38 | <0.2 | 18 | bluck chert + pillows |
| | | | | | | | | | |
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| PROJECT : | 514 - GOL | DEN ARM | | <u> </u> | | | | | · · · · · · · · · · · · · · · · · · · |
|------------|-----------|----------|------------|-----------------------|----------|----------|-----------------|----------|---|
| | | | ROCK | Au | Cu | Zn | Ag | As | |
| SAMPLE NO. | LINE (N) | CHAINAGE | CODE | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | COMMENTS |
| E50689 | 25+05 | 18+90 | 3a | 45 | 84 | 20 | 40.2 | 42 | matic volc in trace salfides |
| E50690 | 25+00 | 17195 | 13 | 45 | 29 | 46 | 40.2 | 42 | serpentinite ~ magnetite |
| E50691 | 24+90 | 16+35 | 13 | 45 | 17 | Xo | 40.2 | 6 | serpentinite à 20% magnetite |
| E50692 | 35+00 | 24750 | <u> 3a</u> | 10 | 519 | 16 | 40.2 | 62 | matic volc = gte verning, gosson (Hoat?) |
| E50693 | 34100 | 24+75 | 3a | <u></u> <u> </u> 5 | ରାହ | 56 | 402 | 42 | matic flow in gtz stringers |
| E50694 | 44+00 | 25+00 | 3c | 45 | 60 | 36 | <0.2 | 22 | pillow basilt = pyrite in pillow selvages |
| £50695 | 49+10 | 22+25 | 4a | 45 | 171 | 44 | 40.2 | 42 | intermediate -felsic volcanic flow a sulfider |
| ESD696 | 49+40 | 21+00 | 4a | 45 | 131 | 60 | <u> <0.2</u> | 22 | intermodiate How a sulfide shourd, Te-conto |
| E58401 | 36+75 | 12+00 | 5a | 45 | 4 | \Box | 40.2 | 42 | Muolite 5 sulbolos |
| ESSYCZ | 39+75 | 19+50 | 55/6; | 45 | 140 | 606 | 40.2 | 28 | tuff/chert is pyrhotite + much gosson |
| E58403 | 46:25 | 24+75 | | 45 | 16 | 14 | -0.2 | 62 | gtz verh in chert is pillow basatt |
| E58404 | 56+25 | 38+00 | 3a | 45 | 198 | 40 | 40.2 | 6 | motic flow is trace sulfides, gtz + carb. |
| ESPHOS | 56125 | 34+50 | 3a | 45 | 191 | 24 | 40.2 | 2 | matic flew = sulfides + gtz stranger + conte. |
| | | | | | | | | | . , |
| ESPUCZ | 59+60 | 38+45 | 30 | 35 | 809 | 60 | 1.2 | 68 | gossonou: matic Klow to punter opy |
| E58408 | 51460 | 38+45 | | 230 | 563 | 36 | 2.0 | 200 | gtzverh = pyrite |
| E58409 | 58+00 | 39+20 | 3a | (5 | 174 | 48 | 40.2 | 50 | |
| E58410 | 56+00 | 28700 | 3a | 45 | 231 | 46 | 40.2 | 8 | matic How & xrace subide |
| E584/1 | 57+30 | 34+50 | 30 | 10 | 220 | 42 | 40.2 | 6 | pillas busult of trace sulfide (pywhotte?) |
| E58412 | 59+00 | 30+95 | 30 | - 45 | 200 | 174 | <u> </u> | 80 | sheared pillew busalt to sulfider |
| | | | | | | | | | 1 |
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APPENDIX II

GEOCHEMISTRY RESULTS



Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga, Ontario, Canada L4W 2S3 PHONE: 905-624-2806 To: PLACER DOME CANADA LIMITED

P.O. BOX 158 BALMERTOWN, ON POV 1C0

Project : 514 Comments: ATTN: REG SEYLER Page Number : 1 Total Pages : 1 Certificate Date: 26-AUG-94 Invoice No. : 19423013 P.O. Number : Account : GKQ

| | | | | | | CERTIFIC | ATE OF A | NALYSIS | A94 | 23013 | • |
|--|--|-------------------------|---|---------------------------|--|---------------------------------|---|---------------------------|-----------------------------|------------------------------------|-----------------------------|
| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | As ppm | Bi ppm | Cu ppm | Hg ppm | Mo ppm | Pb ppm | Sb ppm | Zn ppm |
| E50801 E50802 E58251 E58252 E58253 | 205 22 205 22 205 22 205 22 205 22 205 22 | 5 10 5 5 10 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 14 50 12 14 6 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 35 69 202 139 132 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 1 < 1 1 1 < 1 | < 2 4 4 2 8 | 4 < 2 < 2 < 2 < 2 4 | 94 58 26 30 70 |
| E58254 E58255 E58256 E58257 E58258 | 205 22 205 22 205 22 205 22 205 22 205 22 | 5 < 5 5 < 5 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 6 4 20 14 4 | < 2 < 2 2 < 2 < 2 < 2 < 2 | 61 67 147 190 12 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 1 1 | < 2 < 2 6 8 14 | < 2 < 2 10 < 2 < 2 | 34 26 212 58 28 |
| E58259 E58260 E58261 E58404 E58405 | 205 22 205 22 205 22 205 22 205 22 205 22 | 5 < 5 5 5 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 8 8 6 6 2 | <pre>< 2 < 2</pre> | 122 169 43 198 191 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 1 < 1 1 1 | 14 4 2 < 2 12 | 2 6 < 2 < 2 < 2 < 2 | 44 72 48 40 24 |
| E58407 E58408 E58409 E58410 E58411 | 205 22 205 22 205 22 205 22 205 22 205 22 | 5 230 6 15 6 < 5 | 1.2 2.0 < 0.2 < 0.2 < 0.2 < 0.2 | 68 200 50 8 6 | <pre>< 2 < 2</pre> | 809 563 174 231 220 | < 1 < 1 < 1 < 1 < 1 < 1 | 7 5 1 1 2 | 12 30 < 2 14 18 | < 2 < 2 < 2 < 2 6 4 | 60 36 48 46 42 |
| E58412 E58452 | 205 22 205 22 | | 0.4 < 0.2 | 80 18 | < 2 < 2 | 200 68 | < 1 < 1 | 1 < 1 | 32 < 2 | 42 | 174 38 |
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CERTIFICATION: HartBuchler



Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga, Ontario, Canada L4W 2S3 PHONE: 905-624-2806 To: PLACER DOME CANADA LIMITED

P.O. BOX 158 BALMERTOWN, ON POV 1C0

Project : 514 Comments: ATTN: REG SEYLER Page Number : 1 Total Pages :2 Certificate Date: 09-AUG-94 Invoice No. : 19421465 P.O. Number : Account : GKQ

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| | | | | | (| CERTIFIC | ATE OF A | NALYSIS | A94 | 21465 | |
|--|--|--|--|--|-----------------------------|-------------------------------|--|--|--|------------------------------------|-----------------------------|
| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | | Bi ppm | Cu ppm | Hg ppm | Mo ppm | Pb ppm | Sb ppm | Zn ppm |
| E58301 E58302 E58303 | 205 226 205 226 205 226 | < 5 < 5 < 5 | < 0.2 < 0.2 < 0.2 | 2 20 8 | < 2 8 < 2 | 41 146 49 | < 1 1 < 1 | 1 < 1 < 1 | < 2 2 < 2 | 2 < 2 4 | 10 38 56 |
| E50619 E50620 E50621 E50622 E50623 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | <pre>< 2 < 2</pre> | < 2 < 2 2 4 8 | 111 72 95 96 44 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 4 2 4 4 < 2 | 4 4 < 2 < 2 < 2 < 2 | 34 14 68 132 44 |
| E50624 E50625 E50626 E50627 E50628 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | < 2 2 < 2 6 4 | 145 71 158 37 93 | <pre>< 1 < 1</pre> | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 2 < 2 < 2 < 2 < 2 < 2 2 | 2 < 2 4 2 2 | 40 18 20 48 18 |
| E50629 E50630 E50631 E50632 E50633 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 4 < 2 < 2 2 < 2 | 4 146 164 105 106 | <pre>< 1 < 1</pre> | < 1 1 < 1 < 1 < 1 < 1 | < 2 < 2 < 2 2 2 4 | 2 2 6 < 2 2 | 52 20 50 38 30 |
| E50634 E50635 E50636 E50637 E50638 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 < 2 14 | 6 4 2 4 < 2 | 32 99 128 8 21 | < 1 < 1 < 1 < 1 < 1 < 1 | < 1 1 < 1 < 1 < 1 < 1 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 4 | 2 < 2 4 2 14 | 30 40 28 50 < 2 |
| E50639 E50640 E50641 E50642 E50644 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | <pre></pre> | 4 4 < 2 < 2 4 | 216 74 130 275 47 | 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 1 1 < 1 < 1 | < 2 < 2 8 4 < 2 | 2 6 12 6 2 | 42 36 222 14 44 |
| E50645 E50646 E50647 E50648 E50649 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0 ² 2 < ⁰ 2 < 0.2 < 0.2 < 0.2 < 0.2 | <pre>< 2 < 2</pre> | 4 4 6 2 | 200 138 89 13 333 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 1 < 1 | < 2 < 2 < 2 < 2 4 2 | 4 2 6 4 | 22 84 56 36 44 |
| E50650 E50689 E50690 E50691 E50729 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5 < 5 < 5 < 5 < 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 6 < 2 | 2 < 2 .2 < 2 2 | 43 84 29 17 17 | <pre>< 1 < 1</pre> | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 < 2 2 < 2 2 < 2 2 | 4 4 2 2 4 | 26 20 46 26 34 |

CERTIFICATION:



Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga,

Ontario, Canada L4W 2S3 PHONE: 905-624-2806 To: PLACER DOME CANADA LIMITED

P.O. BOX 158 BALMERTOWN, ON P0V 1C0

Project : 514 Comments: ATTN: REG SEYLER Page Number :2 Total Pages :2 Certificate Date: 09-AUG-94 Invoice No. :19421465 P.O. Number : Account :GKQ

CERTIFICATE OF ANALYSIS A9421465 Bì PREP Au ppb Ag As Cu Hg Мо Pb Sb Zn SAMPLE CODE FA+AA ppm ppm ppm ppm ppm ppm ppm ppm ppm E50730 205 226 < 5 < 0.2 < 2 222 < 1 16 64 < 2 < 1 12 < 5 < 0.2 < 2 E50731 205 226 < 2 111 < 1 < 1 18 4 58 < 5 < 0.2 E50732 205 226 < 2 < 2 1 < 1 < 1 8 6 46 E50733 205 226 < 5 < 0.2 < 2 12 10 < 1 38 14 < 1 36 205 226 < 5 < 0.2 < 2 4 33 < 1 30 18 E50734 < 1 68 < 0.2 < 2 < 2 2 E50735 205 226 < 5 16 < 1 < 1 < 2 < 2 < 5 < 0.2 54 < 1 E50736 205 226 < 2 6 < 1 50 6 42 < 5 < 0.2 < 2 < 2 < 1 E50737 205 226 4 < 1 14 12 34 < 5 < 0.2 < 2 < 2 69 < 1 10 50 E50738 205 226 < 1 < 2 E50739 205 226 < 5 < 0.2 < 2 < 2 2 < 1 < 1 8 < 2 14 < 5 < 2 34 < 2 E50740 205 226 < 0.2 < 2 < 1 < 1 8 36 10 < 0.2 205 < 2 4 14 < 1 20 6 26 E50741 226 < 1 < 5 < 0.2 205 226 < 2 6 3 < 1 36 6 30 < 1 E50742 < 0.2 58 205 226 < 5 < 2 4 29 < 1 < 1 6 40 E50743 205 226 < 5 0.2 < 2 < 2 6 < 1 < 1 14 2 E50744 < 2 2 < 5 < 0.2 < 2 94 22 54 E50745 205 226 < 1 < 1 4 < 0.2 E50746 205 226 < 5 < 2 < 2 6 < 1 < 1 2 2 20 < 5 E50747 205 226 < 0.2 < 2 < 2 2 < 1 < 1 4 38 4 E50748 205 < 5 < 0.2 < 2 < 2 4 < 1 2 4 2 20 226 E50749 205 226 < 5 < 0.2 < 2 6 6 < 1 < 1 30 16 52 < 2 10 152 32 12 34 205 226 10 0.2 < 1 < 1 E50750 7 c .



Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga, Ontario, Canada L4W 2S3 PHONE: 905-624-2806 To: PLACER DOME CANADA LIMITED

P.O. BOX 158 BALMERTOWN, ON P0V 1C0 Page Number :1 Total Pages :2 Certificate Date:24-AUG-94 Invoice No. :19422500 P.O. Number : Account :GKQ

Project : 514 Comments: ATTN: REG SEYLER

| | | - | | | | CERTIFIC | ATE OF A | NALYSIS | A94 | 22500 | |
|--|--|--|---|--|--|-------------------------------|--|--|---|--|-----------------------------|
| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | | Bi ppm | Cu ppm | Hg ppm | Mo ppm | Pb ppm | Sb ppm | Zn ppm |
| E50643 E50692 E50693 E50694 E50695 | 205 226 205 226 205 226 205 226 205 226 205 226 | 30 10 15 < 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 < 2 2 2 | < 2 2 < 2 < 2 < 2 < 2 < 2 | 15 519 218 60 171 | < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 10 < 2 12 6 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 42 16 56 36 44 |
| E5069 6 | 205 226 | < 5 | < 0.2 | < 2 | < 2 | 131 | < 1 | < 1 | < 2 | < 2 | 60 |
| E50776 E50777 | 205 226 205 226 | 10 < 5 | ⊥.0 < 0.2 | 6 < 2 | < 2 2 | 180 124 | < 1 < 1 | < 1 < 1 | < 2 < 2 | < 2 < 2 | 26 64 |
| E50778 E50779 E50780 E50781 E50782 | 205 226 205 226 205 226 205 226 205 226 205 226 | 40 < 5 < 5 < 5 < 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | <pre>< 2 < 2</pre> | 201 335 13 39 91 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 40 46 24 52 48 |
| E50783 E50784 E50785 E50786 E50787 | 205 226 205 226 205 226 205 226 205 226 205 226 | 20 < 5 < 5 < 5 < 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 < 2 2 2 < 2 | 2 < 2 < 2 2 2 < 2 | 325 6 4 92 98 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 4 < 2 < 2 < 2 < 2 | <pre>< 2 < 2</pre> | 28 32 4 140 34 |
| E50788 E50789 E50790 E50791 E50792 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 2 < 2 2 < 2 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 54 27 226 7 89 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 < 2 < 2 < 2 42 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 18 38 56 30 56 |
| E50793 E50794 E50795 E50796 E50797 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 < 2 2 < 2 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 31 40 502 79 143 | <pre>< 1 < 1</pre> | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 2 4 < 2 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 8 46 46 28 28 |
| E50798 E50799 E50800 E58304 E58305 | 205 226 205 226 205 226 205 226 205 226 205 226 | < 5 40 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 2 < 2 < 2 < 2 22 < 2 | < 2 < 2 < 2 2 2 < 2 | 167 160 16 37 165 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | <pre>< 1 < 1</pre> | < 2 < 2 < 2 < 2 < 2 < 2 < 2 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 38 82 6 46 44 |
| E58306 E58307 E58308 E58309 E58310 | 205 226 205 226 205 226 205 226 205 226 205 226 | < 5 < 5 < 5 | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 2 82 6 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 2 < 1 7 10 57 | <pre> < 1 < 1 < 1</pre> | <pre> < 1 < 1 </pre> | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 20 < 2 30 40 88 |

CERTIFICATION: ScutiPres



Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga, Ontario, Canada L4W 2S3 PHONE: 905-624-2806

To: PLACER DOME CANADA LIMITED

P.O. BOX 158 BALMERTOWN, ON POV 1C0

Page Number : 2 Total Pages : 2 Certificate Date: 24-AUG-94 Invoice No. P.O. Number :19422500 Account :GKQ

Project : 514 Comments: ATTN: REG SEYLER

| | | _ | | | | CERTIFIC | ATE OF A | NALYSIS | A 94 | 22500 | |
|--|--|---|---|-------------------------------------|--|-----------------------------|--|--|------------------------------------|---|-----------------------------|
| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | As ppm | Bi ppm | Cu ppm | Hg ppm | Mo ppm | Pb ppm | Sb ppm | Zn ppm |
| E58311 E58312 E58313 E58314 E58315 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5 < 5 < 5 < 5 < 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | 10 < 2 4 < 2 < 2 < 2 | < 2 < 2 < 2 < 2 < 2 < 2 < 2 | 69 228 18 4 148 | < 1 1 < 1 2 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 2 < 2 2 < 2 < 2 < 2 | 4 < 2 < 2 < 2 < 2 < 2 < 2 | 72 38 58 20 42 |
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| E58326 E58327 E58328 E58329 E58330 | 205 226 205 226 205 226 205 226 205 226 205 226 | <pre>< 5 < 5 < 5 < 5</pre> | < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2 | < 2 6 < 2 8 18 | <pre>< 2 < 2</pre> | 11 2 9 45 26 | 1 < 1 < 1 < 1 < 1 < 1 < 1 | < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 | 6 4 8 < 2 < 2 < 2 | < 2 < 2 2 < 2 < 2 < 2 < 2 | 14 36 46 48 20 |
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| | | | <pre> *</pre> | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

CERTIFICATION Stant Buchler

APPENDIX III

LIST OF PERSONNEL

Appendix III

List of Personnel

The following personnel were involved in the acquisition, processing, interpretation and presentation of data relating to the 1994 work programme conducted on the Golden Arm Property, Red Lake, Ontario.

| Anthony Stechishen | Interim Senior Geologist |
|--------------------|--------------------------|
| Reginald P. Seyler | Geologist |
| Stuart W. Deveau | Geologist |
| Howard B. Langier | Geologist |
| Darren L. O'Brien | Geologist |
| Robert Baldwin | Geologist |

| Ministry of Northern Development | Report of Work Conducted | Transaction Number |
|--|--|---|
| and Mines | After Recording Claim | W19620.00079 |
| Jolario | Mining Act | "AMENDED" |
| | | ation will be used for correspondence. Questions about recomment and Mines, Fourth Floor, 159 Cedar Street, |
| udbury, Ontario, P3E 6A5, teléphone (705) 6 | 70-7284. | $2 \cdot 16716$ |
| nstructions: - Please type or print - Refer to the Mining / | and submit in duplicate. | |
| Recorder. | | ng ing |
| A separate copy of the - Technical reports and | | |
| - A sketch, showing th | | A LEVIE RADE VIEW LEVIE LEVI LEVIE LEVIE L |
| ecorded Holder(s) | | Client No. |
| ACER DONNE (AN | ADA LIMITED | 300210 |
| Suite 3201, 130 AdelAide STRE | ET WEST, P.D. Bix 43, TORMIN, ON! | 105H 3PS (416) 363.11962 |
| KED LAKE | TOM TOM TOMASILIP/HAMMIELLI | AKE ASEA GE - 1789 |
| Dates Work From: JLULY 15 Performed | | -4 25 1996 |
| fork Performed (Check One Work G | | -4 ×3, 1976. |
| Work Group | Туре | |
| Geolechnical Survey | DER 2 LITINGERCHEMISTRY | |
| Physical Work. | 24 - STRUBELLAE MISTRY | RECEIVED |
| Including Drilling | | AUG 1 4 1996 |
| Rehebilitation Other Authorized | | AUG 1 4 1990 |
| Work | | MINING LANDS BRANCH |
| Assays | | |
| Assignment from Reserve | | |
| otal Assessment Work Claimed on th | e Attached Statement of Costs | 143.00 15.663.00 |
| | sessment work credit all or part of the asses | |
| | res claimed in the statement of costs within | |
| ersons and Survey Company Who | Performed the Work (Give Name and Add | reas of Author of Report) |
| Name | | Adi ress |
| STUART W. DEVEAU | 213 HAMMIGLE RUAD, BOX 4971, | ESO LAKE CN AU ZMU |
| | | |
| and and a second se | - | |
| | | |
| Lach a school (a lf thread man) | | |
| tach a schedule If necessary) | | .1 |
| | See Note No. 1 on reverse side | Record and Higher or Agent (Signell, a) |
| certify that at the Unit the work was performed open were recorded in the current holder's name | a, ute claime coverso in this work | |
| by the current recorded holder. | | C MERICAL STORY STORY STORY |
| ertification of Work Report | | |
| I certify that I have a personal knowledge of I its completion and annexed report is true. | the facts set forth in this Work report, having performe | d the work or witnessed same during and/or after |
| sine and Address of Person Cerling | | 2 Autor All Alla |
| STUMRT IN DEUEALL | 212 HAMMIELL KOAD, KUX AM | 7, KEDLAKE ON POUDAR |
| 1-: (214) 427-3086 | 111 25/96 PTTVA | The balyill |
| Y. (7.1)(1.1-37.36 | - Just | |
| Total Value Cr. Recorded Data Escarded | Mining Ascorder | Received Store CEIVED |
| 5 00 Deerbed Applevel | 25, 1976 Ann Rund | RED LAKE MINING DIV. |
| | r 23. 1996 | JUL 2 5 1996 |
| | | JUL L J III OU |



Report of Work Conducted After Recording Claim Mining Act

| Transaction Number | 111 | 99 | |
|--------------------|-----|---------------|--|
| AMEN | | ···· A | |

1

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions: - Please type or print and submit in duplicate.

- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

| Recarded Holder(s) | | Client No. |
|----------------------------------|---|-------------------|
| FLACER NENTE | CANADA LIMITED | BECRIC |
| Address | 1 | Telephone No. |
| SUITE BREI BC | HUELANDE STREETLEST, FU. DOX 43, TORINTO, CV NEH 31 | 5/411-) 363-46162 |
| Mining Division | Township/Area | M or G Plan No. |
| KEN LAN | E TOOTIST HIP/ HEAMALL LANCE HEE | G - 1754 |
| Dates Work From: Performed | JULY 15, 1494 TO: JULY 25 | 196 |

Work Performed (Check One Work Group Only)

| Work Group | Туре | |
|--------------------------------------|---|---------------------|
| Geotechnical Survey | GELLOGY & LITHOGEDEHENNISTRY | 2.16717 |
| Physical Work, Including Drilling | | |
| Rehabilitation | | RECEIVED |
| Other Authorized Work | | 💐 AUG 1 4 1996 💈 |
| Assays | | MINING LANDS BRANCH |
| Assignment from Reserve | | |
| Total Assessment Work | Claimed on the Attached Statement of Costs \$ | 165 \$15,663.00 |

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

| Name | Address |
|------------------|---|
| STUTIER DELETTIC | 212 HAMMELL ROAD FLX GOG RED LALER MI FLI SMO |
| | |
| | |
| | |
| L | l |

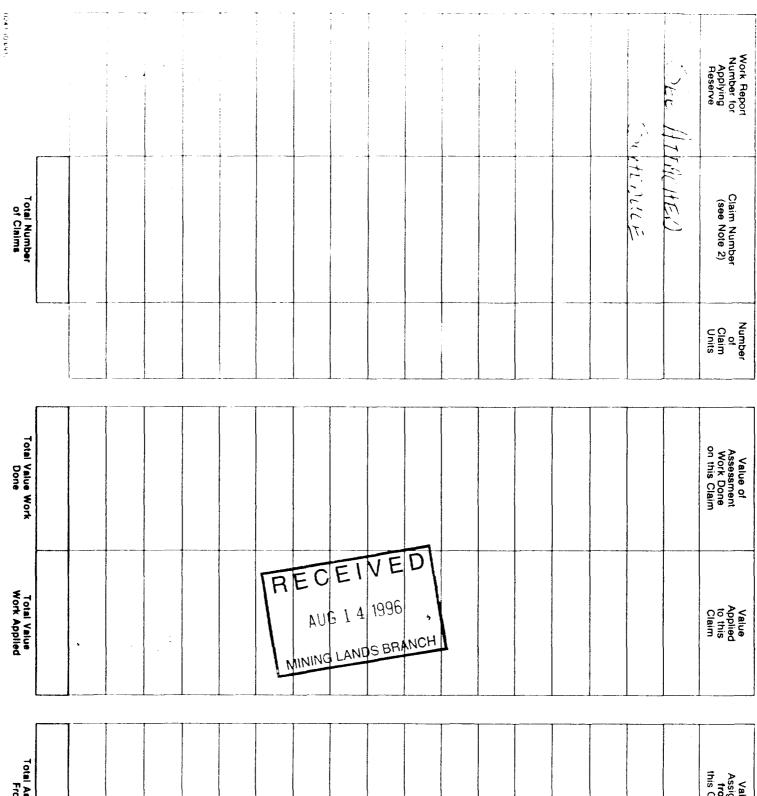
(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

| Certification of Beneficial Interest - See Note No. 1 on rever | se side | |
|--|-----------|--------------------------------------|
| I certify that at the time the work was performed, the claims covered in this work | Date | Recorded Hølder or Agent (Signature) |
| report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder. | Tul 27/96 | Attent to Deligni |
| | | fam. the constant |

Certification of Work Report

| I certify that I have a personal knowledge of the facts set forth its completion and annexed report is true. | h in this Work report, having pe | erformed the work or witnessed same during and/or after |
|---|----------------------------------|---|
| Name and Address of Person Certifying | | |
| | MELL LEAD F.A. | Age Repland and ano |
| Telepone No. 5. July 25/ | Certified By (| signatural |
| For Office Use Only | | |
| Total Value Cr. Recorded Date Recorded Deemed Approval Date | Mining Recorder Date Approved | RED LAKE MINING D.V. |
| # 15,663. Date Notice for Amendments Sept | ² 6 | JUL 2 5 1996 AM PM 7,819,10,11,12,13,4,5,6 |



| Total Assigned From | | | | 2 | 6 | a.) - 4 € | 7 | | | | Value Assigned from this Claim |
|------------------------|--|--|--|---|-------|--------------|---|--|--|--|---|
| Total Reserve | | | | | | | | | | | Reserve: Work to be Claimed at a Future Date |

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (ν) one of the following:

1. \mathcal{D} Credits are to be cut back starting with the claim listed last, working backwards.

2. Credits are to be cut back equally over all claims contained in this report of work.

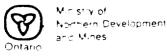
3. Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

| I certify that the recorded holder had a beneficial interest in the patented Signature or leased land at the time the work was performed. | Date . | |
|---|--------|--|
|---|--------|--|



Mir stere du Developpement du Nord e' des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

1. Direct Costs/Coûts directs

| | Amount | A Totals |
|---|--|--------------------------------------|
| Labour 73-15 daugt Main-d'oeuvre | 10,950 | < |
| Field Supervision Supervision sur le terrain | , | 10,950 |
| Augusta A | 2131 | |
| | | 2,131 |
| Туре | | |
| | | |
| Type BLAI & ALOTRA | 189 | |
| | | 189 |
| | | 16270 |
| | Labour 73-75 days Main-d'oeuvre, F. M. Field Supervision Supervision sur le terrain Type Geochemical Analyse 5 Type BAI & MORS BAI & MORS | Labour 73-75 days Main-d'oeuvrest |

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Filing Discounts

- 1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- 2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit total Assessment Claimed \$30th 1500 × 0.50 8 Certification Verifying Statement of

that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

_ I am authorized (Recorded Holder, Agent, Position in Company) that as

to make this certification

2. Indirect Costs/Coûts Indirects

Les renseignements persor

recueillis en vertu de la Lol si

renseignements au chef p Développement du Nord et d

(Ontario) P3E 6A5, téléphon

des concessions minières

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les

coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Transaction No /Nº de transaction

ECEIVED contenus dans la présente foi

dresser Aquie queation of a collace de ces ovirgal des terrains miniers initistère du es mines, 159, rue Cedar, 4^e étage, Sudbury (705) 670-7264, MINING LANDS BRANCH

les mines et serviront à tenir à jour

OC.C.

mule sont

un registre

19620

| Туре | Description | ۱ ۱ | Amount Monteint | Totals Total global | |
|---|---|---|--------------------|------------------------|--------|
| Transportation Transport | Type Crastor F | Scrit | 4375 | | |
| • | & Truck | | | | |
| | | | | | |
| | | | | | |
| | | | | 375 | |
| Food and Lodging Nourriture et hébergement | feed | | \$518 | 518 | |
| Mobilization and Demobilization Mobilisation et démobilisation | | | | | |
| | Sub Totai Total partiel de | | | 893 | |
| | not greater than 20 (n'excédant pas 20 | | , | 893 | |
| Total Value of Asse (Total of Direct and A indirect costa) | Allowable d' | aleur totale évaluation otal des coûr indirects ad | ts directs | 17463 | - S |

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Remises pour dépôt

- 1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation
- 2. Les travaux déposés trois, guatre ou cing ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

| | Valeur totale du crédit d'évaluation RECEIVE mandée × RED LAKE MINING DIV. |
|----|---|
| 12 | Attestation de l'état des coûts JUL 2 5 1996 |
| | J'atteste par la présente : 7,8,9,0,11,12,1,8,3,4,5,6 que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation |

sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de a titre de _____ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation. Date Signature

Note Danc collo

I hereby certify:

July 15, 1994 to July 24, 1994 20 man days @ \$150.00 day = \$3000.00 Reduced by 50%, work is more than 2 years old =\$1500.00 _ \$334.00 KRL.1197133 KRL.1197134 ---150.00 -KRL.1197135 209.00 KRL.1197136 391.00 KRL.1197144 124.00 KRL.1197145 292.00

Total reduced \$1500.00

2.16717



AMENDED.

SCHEDULE REPORT OF WORK CONDUCTED AFTER RECORDING CLAIM

Walk to ocold

| Work Report | Number | Value of | Value | Value | keserve |
|------------------|--------|---------------|----------|------------|---------------|
| | of | Assessment | Applied | Assigned | Work to be |
| | Claim | Work Done | to this | from | Clauned at |
| Claim Number | Units | on this Claim | Claim | this Claim | a Future Date |
| - KRI, 1197133 - | 01 | 792.00 | 4000.00 | 0.00 | 00.0 |
| -KRL 1197134• | (1 | 226.00 | 0.00 | 226.00 | 00.0 |
| - KRL 1197135 • | 10 | 2420.00 | 2379.00 | 41.00 | 0.00 |
| -KRL 1197136• | 12 | 2990.00 | 0.00 | 2990.00 | 0.00 |
| KRL 1197137 | 4 | 750.00 | 0.00 | 750.00 | 0.00 |
| KRL 1197138• | | 281.00 | 0.00 | 281.00 | 0.00 |
| KRL 11971.39• | 6 | 2144.00 | 2400.00 | 0.00 | 00.0 |
| KRI, 1197140 • | 2 | 750.00 | 800.00 | 0.00 | 0.00 |
| KRL 1197141. | 5 | 750.00 | 800.00 | 0.00 | 0.00 |
| KRU, 1197142 • | 10 | 3568.00 | 4000.00 | 0.00 | 0.00 |
| KRL 1197143. | 7 | 750.00 | 800.00 | 0.00 | 0.00 |
| KRL, 1197144• | 1 | 158.00 | 400.00 | 0.00 | 0.00 |
| KRL 1197145. | _ | 84.00 | 84.00 | 0.00 | () () |
| 13 | 63 | 00 29951 | 00 29951 | 1788 (M) | 0.000 |

RECEIVED RED LAKE MINING DIV. AM 7,8,9,10,11,12,11,2,13,4,5,6 AUG 0 1 1996 C Well

Curu





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

October 18, 1996

Scott A. Rivett Mining Recorder Ontario Government Building 227 Howey Street, Box 324 Red Lake, ON POV 2M0 🕅 Ontario

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

Telephone:(705)670-5853Fax:(705)670-5863

Dear Sir or Madam:

Submission Number: 2.16717

Subject: Transaction Number(s): W9620.00099

After reviewing the Work Report(s) we have prepared this letter and the attached summary, which lists the results of our review. Requirements of the Assessment Work Regulation may not have been fully met. Please examine the summary to determine the next course of action concerning the identified Work Report(s).

NOTE: The 90 day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, is no longer in effect for this submission.

PLEASE NOTE ANY REQUESTED REVISIONS MUST BE SUBMITTED IN DUPLICATE.

If the anniversary dates for the mining claims affected by this correspondence have not passed, a number of options are available. Please contact the Mining Recorder to discuss these options.

If you have any questions regarding this correspondence, please contact Steve Beneteau at (705)670-5855.

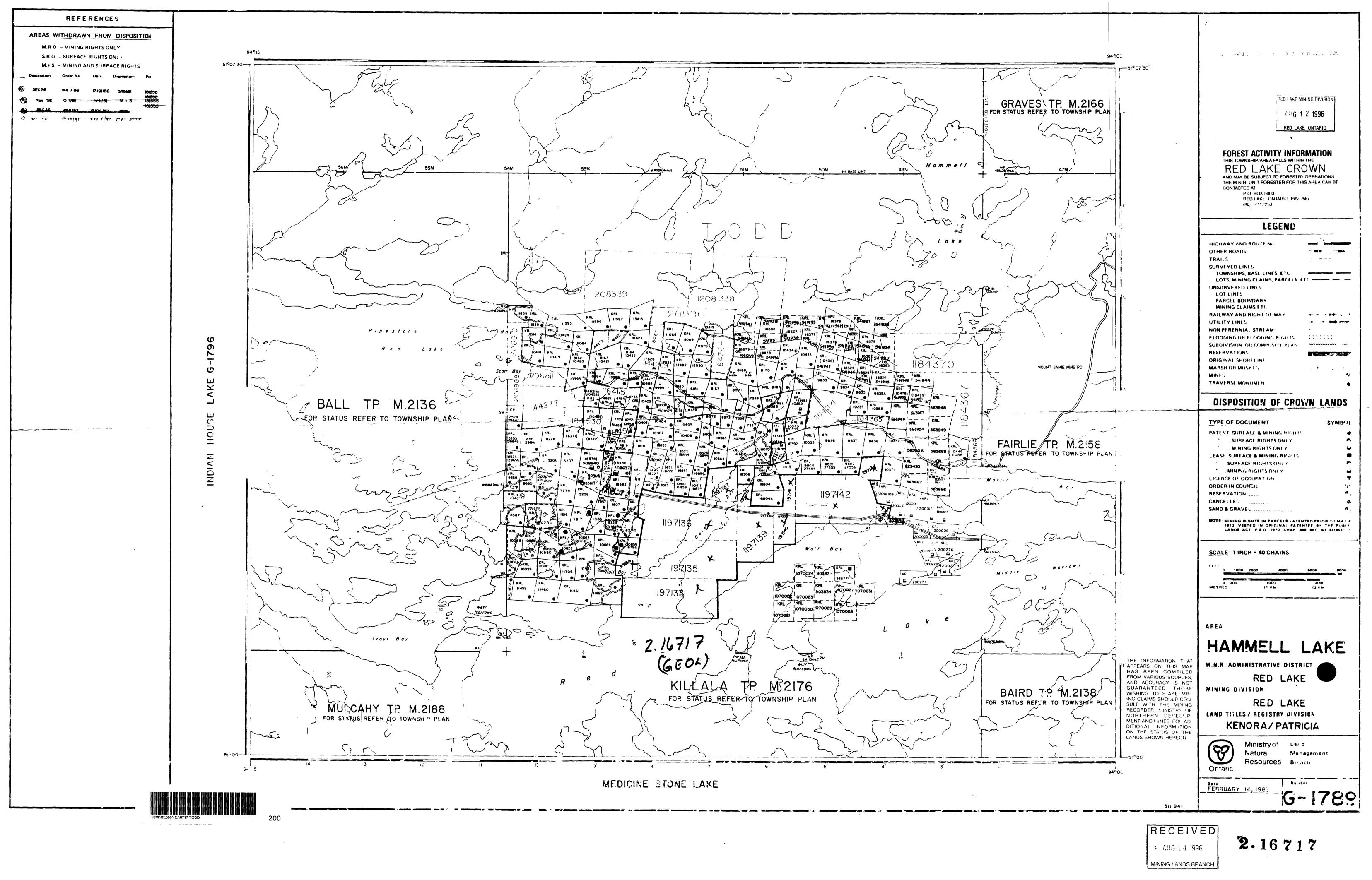
Yours sincerely,

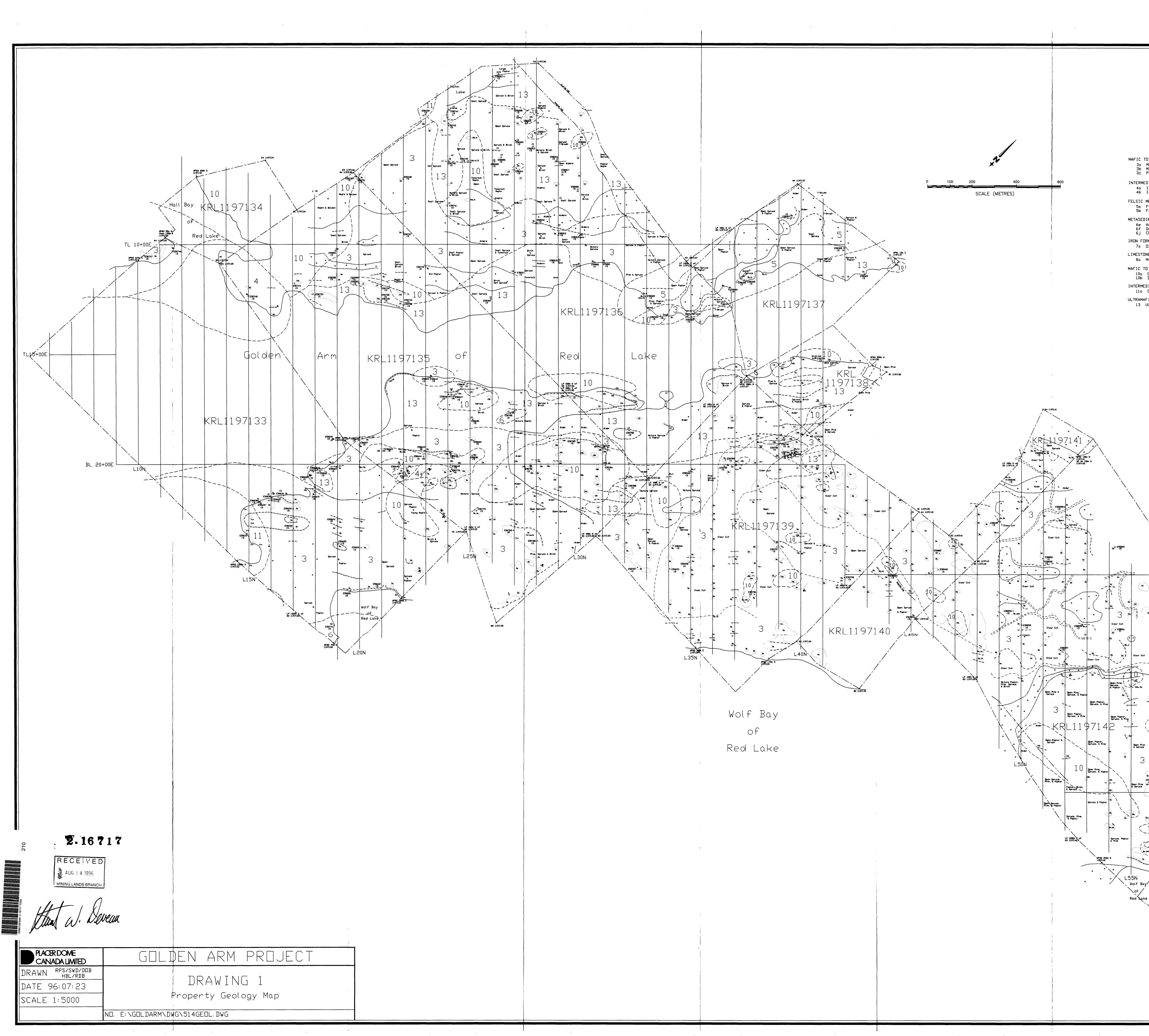
PACGAN.

ORIGINAL SIGNED BY Ron C. Gashinski Senior Manager, Mining Lands Section Mines and Minerals Division

Work Report Assessment Results

| Submission Nu | Submission Number: 2.16717 | | | | | |
|-----------------------------------|----------------------------|-----------------------|---------------------------------|--------------------------|--|--|
| Date Correspon | dence Sent: Od | ctober 18, 1996 | Assessor: Steve Beneteau | | | |
| Transaction Number | First Claim Number | Township(s) / Area(s) | Status | Approval Date | | |
| W9620.00099 | 1197133 | TODD, HAMMELL LAKE | Approval | October 17, 1996 | | |
| Section: 12 Geological GEC | DL | | | | | |
| Correspondence | e to: | | Recorded Ho | lder(s) and/or Agent(s): | | |
| Mining Recorder Red Lake, ON | | | Stuart Deveau RED LAKE, ONTA | ARIO | | |
| Resident Geologis Red Lake, ON | t | | PLACER DOME (TORONTO, ON | CANADA LIMITED | | |
| Assessment Files Sudbury, ON | Library | | | | | |





LEGEND

| MAFIC TO INTERMEDIATE METAVOLCANICS 3a Mafic Flow 3b Mafic Tuff 3c Pillow Basalt |
|---|
| INTERMEDIATE TO FELSIC METAVOLCANICS 4a Intermediate Flow 4b Intermediate Tuff |
| FELSIC METAVOLCANICS 5a Felsic Flow 5b Felsic Tuff |
| METASEDIMENTS 6e Argillite 6f Quartzite 6j Chert |
| IRON FORMATION 7a Oxide Facies I.F. (Chert-Magnetite) |
| LIMESTONE DOLOMITE 8a Marble |
| MAFIC TO INTERMEDIATE INTRUSIVES 10a Gabbro 10b Diorite |
| INTERMEDIATE TO FELSIC INTRUSIVES 11a Granite |
| ULTRAMAFIC INTRUSIVES 13 Ultramafic Intrusives |

TL 25+00E

Clear Cut

30

• Open Spruce

Open Spruce

3c. pie atz in structure E38411 10 3c

LP 400m N of H3 1197142 484 1197144

#4 1197145 Poplar

TP I I Down Sprace TS

#2 1197145

E58412 ×

٠

py .

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3c.py

E58410

Open Spruce

.

Spruce & Alder

Open Spruce

Alder

Red bake KRL1197144

#2 1197144 1 . #3 1197145

- -- Dpen Spruce

3a Y.

÷

Open Pine & Spruce

vitz statistic k Spruce P/ <5

- 10a

Wolf Bay

| | 5 |
|--------------|-----------------------------------|
| • | Claim Post |
| 0 | Witness Post |
| ٠ | Line Post |
| | Geologic Contact (assumed) |
| | Outcrop |
| | Trench |
| • | Swamp |
| E50891 <5 | Sample Location Gold ppb below |
| × × | Ridge |
| | Trail |
| \sum | Edge of Clearcut |
| × | Follation (vertical, inclined) |
| × * | Bedding (vertical, inclined) |
| ¢. | Ice flow direction |
| ş | Shear zone |
| РУ | pyri te |
| qtz | quartz |
| po | pyrrhoti te |
| сру | chalcopyrite |
| arb,cc | carbonate |
| e-carb | Iron carbonate |
| joss | gossan |
| | |

Clear Cut

KRL11971/43

#2 1197143

TL30+00E

#1 1197143

43 1197143

³⁶ E58451 <3

L60N

TL 35+00E

Clear Cut

Claim Boundary