Prospecting Report 2004

2.28778

# Thundercloud Lake

# Gold Prospect

November 8, 2004

By

Alex Glatz

FOREST
MANAGEMENT UNIT
HWY 105
SIOUX LOOKOUT
HWY 72
VERMILION BAY
DRYDEN
Eagle Lake
Upper Manitou Lake
Stormy Lake
TRANS-CANADA
IGNACE
HWY.
THUNDERCLOUD L. PROJECT
HWY 622

82 282 2

# Thundercloud Lake Gold Prospect

**Preface**

- found in October/03 on claim staked in Feb/03
- located in Boyer lake area
- mafic volcanics of the Wapageisi Volcanic belt cover the area
- gold occurs in slightly pyritized mafic rocks or conglomerate

**Location** The claims are located north of Thundercloud Lake, east of Kennewabeka Lake and south-west of Washeibemaga Lake in the Boyer Lake area map sheet. Kenora Mining Division. N.T.S. 52F/SE

**Access** From Dryden the area can be reached by following Hwy. 17 east to Jackfish Lake about 38 km from Dryden. From there a logging road leads to Snake Bay and south to Wapageisi Lake. A secondary logging road branches off to the west about 8 km past Snake Bay. This road has recently been extended to the north end of Thundercloud Lake. It traverses some of the roughest terrain in the Dryden district. The sharp curves and grades of 25% combined with the narrow road-bed makes driving it dangerous even in the summer. Total driving distance is 80 km.

The westerly claim is being accessed by crossing Thundercloud Lake by boat from the east end. A boat is being cached at the lake for the duration of the project for that purpose.

In June of 2004 the road was washed out and the last 3 km could only be accessed by ATV. The washout is of major proportion as part of a 90 ft. section of the road was washed down the hill. The Paper Company was planning to rebuild this section in October, but as of Nov. 3, 2004 the road is not passable yet.

**Claims** 3004186 (6 units) is held by Alex Glatz, Joe Riives and Roy Kozowy
3005223 (8 units) is held by Alex Glatz and Joe Riives
3007106 (15 units) held by Alex Glatz and Joe Riives
3017176 (9 units) held by Alex Glatz and Joe Riives

**Geology**

Rock types of the local geology:

- Wapageisi lake Volcanics
- Thundercloud lake Porphyry
- Taylor lake Stock
- Meggisi Pluton

***Volcanics*** The Wapageisi lake volcanics are comprised of mafic metavolcanics, ranging from fine to coase-grained flows. Local components of amphibolite, chlorite schist, carbonatized flows and tuff-breccia have developed. Zones of conglomerate are found within this volcanic sequence.

***Porphyry*** The Thundercloud lake porphyry underlies all of the lake and runs north to the south end of Washeibemaga lake. The unaltered parts of this stock form the shoreline and islands of the lake. Altered parts of the stock show increased pyrite content. Recent road construction north of the lake exposes sheared units of the porphyry which show heavier sulfide content in one of the rock-cuts.
The porphyry stock may have contributed to the formation of these gold occurrences. However, the porphyry is generally not altered and where it is altered, only weakly anomalous gold values where obtained in sampling.

***The Taylor Lake Stock*** is mostly composed of biotite-hornblende granodiorite and quartz monzonite. The northeast part of the stock has a more mafic appearance and is a hornblende monzonite.
The stock is transected by the north-north east trending Taylor Lake Fault, with the east half having been moved to the north.

***The Meggisi Pluton*** is a felsic intrusive and its components range from quartz monzonite to gneiss and to pegmatite and aplite. north-north east trending lineaments radiate out of the pluton into the adjacent volcanic belt. This indicates that it (the pluton) may have had some influence on structural development within the volcanic assembly. Shear zones and fractures may have formed along these lineaments or faults. The pluton itself is in contact with the Taylor Lake Fault at its west boundary at Eagle Rock lake. This pluton is part of the much larger IRENE – ELTRUT LAKE Batholith to the south which shows complex structural deformation and hosts the copper-bearing Entwine Lake Intrusion.

## Economic Considerations

The gold showings are located in mafic meta-volcanics and in conglomerate in close proximity to the Thundercloud Lake porphyry stock to the east. The local volcanic unit is surrounded by the Taylor Lake Stock to the west and the Meggissi Lake Pluton to the south. To the north the mafic belt narrows and is cut off by a series of felsic-volcanic flows and tuffs.

One or more of the three granitic masses may have been the source of the gold mineralization in this area.

### *The Conglomerate connection*

Aside from gold being found in altered mafic rock in the claim area, inter-mixed conglomerate also yielded gold on assay. This could be an important economic aspect. To what extent the conglomerate hosts gold is to be investigated. Also, some of the highly

altered mafic-looking rock could actually be a sediment. At some point in time the sediment sequence of the Manitou Straits –Mosher Bay area was one continuous belt with the Washeibemaga Lake – Snake Bay sediments. The sediments may have been shifted or destroyed by the emplacement of the Taylor Lake Stock which also disrupted the Wapagisi Volcanics in this area. At Thundercloud Lake, remnants of the sediments in the form of conglomerate are preserved within the volcanics. On freshly broken surfaces the nature of the rock is not readily apparent, but weathered exposures leave no doubt that some of the rock is a conglomerate. Some of the sediments may have been assimilated or digested by the volcanics during re-heating processes.

In the claim area, the strike of the volcanic and the conglomerate formation is in a northerly direction in contrast with an easterly strike for the main body of the volcanic and sedimentary belts. This would suggest that the discovery area has undergone severe structural change.

The conglomerate rock may have a role in the emplacement of the gold. Elsewhere in the Dryden area conglomerate rocks are known to carry elevated gold values. South of Mosher Bay the "ten trench" showing is located in conglomerate rather than in an altered felsic rock as was believed before. The applicant saw this showing in 1980 and also believed in the presence of a felsic dike. But in 2002 he re-visited and sampled this 'out of the way' occurrence and recognized the conglomerate host rock. Also, a weakly pyritized conglomerate zone north of Dryden carries persistent elevated values in gold with many samples assaying 100 to 250 ppb Au.

**History**

Gold was discovered in the 1890s at 'goldrock' in the Upper Manitou Lake area, about 20 km west of Thundercloud lake. A number of mines including the Paymaster, Laurentian and the Jubilee were opened and produced undetermined amounts of gold from quartz-hosted deposits.

Around 1936 gold was found west of Washeibemaga lake (1.4 km north of our present group) and the showing became known as the Pelham prospect. Esso Minerals explored for gold south of Snake Bay in the late 1970s and Noranda and Teck Corp drilled the Pelham Prospect in 1981 when the patent on the property expired.

In the 1960s to 80s Inco Ltd., Lynx Canada and others explored the Wapageisi Volcanics for base metals.

In 2002 while locating an ATV trail from the end of the new logging road to the Pelham prospect, gossanous outcrops were observed near Thundercloud lake. The area was staked by A. Glatz, J. Riives and A. Kozowy with claim 3004186.

In October and November of 2003 Glatz and Riives prospected the new area and found old, unrecorded hand-dug trenches. Sampling of near-by outcrops revealed wide spread gold mineralization, with the best assay being 11,760 ppb Au. Claim3005223 was added

in November of 2003 to protect the southerly strike of the gold-bearing zone. While prospecting the new claim, a cache of old drill core was found not far from the shore of the lake. Four samples of split core taken assayed from a low of 113 ppb Au to a high of 1159 ppb Au. The core comprises of apparently altered mafic rock and some of it carries Cp, Py and Po. The origin of the core is as yet unknown and could possibly be from a base metal exploration program in the 1970s or 80s.

### Work done in 2003

Sampling of pyritic altered mafic and conglomerate rock showed that elevated gold values are wide spread in conglomerate and altered mafic volcanic rocks.

## Work done in 2004 under OEC Funding

### Prospecting

The aim of the prospecting was to find the boundaries of the gold –bearing area.

Prospecting and sampling in 2003 had already established that the porphyry stock at Thundercloud Lake does not carry appreciable amounts of gold.

It showed that there are anomalous gold values associated with the mafic and sedimentary rocks over a large area.

Phase-one is to outline an envelope of elevated gold values. Once that is done, work is to concentrate on the higher-grade clusters to delineate targets for stripping.

As of October 2004, the potential gold bearing area has been enlarged to over 2 km in length and 600 metre in width, trending in a southerly direction along the west boundary of the porphyry stock. The boundary of the gold enrichment has tentatively been established at Thundercloud Lake. While elevated gold values are readily found at the north shore of the lake, no significant values were found south of it.

Rock types

Conglomerate
The rocks at an old showing (said to be the Reuben Armstrong find of 1936) were classified as conglomerates at that time. As the fragments, while mostly rounded, are of mafic composition the sedimentary nature of this rock may be questioned. An exposed

rock face at the 'Armstrong' showing was recently bleached in order bring out the texture of the pebbles. Even a short time after applying the solution some of the fragments really stick out; some of them may be felsic in make-up. More rain is needed to make the bleaching effect more conspicuous.

Basalt
It occurs as brittle black rock with many fractures which are lined with sulfide (commonly iron pyrite).

Breccia
This may be basalt which has been severely fractured and altered. The fragments have a bleached look and carry 5 to25% fine grained pyrite. The gangue material between the fragments is softer in nature and carries more pyrite, on occasion semi-massive pyrite.

Gabbro
A greenish-blackish rock, it is usually barren of sulfides and in it's unaltered state carries no gold.

Quartz porphyry
Small dikes of porphyry intrude the above rocks in a number of places. These dikes are unaltered and lack sulfide content.

Elevated gold values are found mainly in conglomerate and breccia, basalt and gabbro show gold ,but to a lesser extent and only when alteration is evident.

Sampling:
Samples were collected at random where-ever outcrops were encountered. An estimated 90 % of the ground is covered by overburden.

| | |
|---|---|
| rock samples taken: | 179 |
| humus samples: | 100 |
| B hor. soil samples: | 9 |
| Total | 288 |

The rock sample locations were documented by GPS co-ordinances marked in the sample book and the sample # on orange flagging marks the location in the field.. The sample locations were plotted on a GPS grid map on a scale of 1:5,000. On this map all samples assaying more than 100 ppb Au are marked red.

More than 90% of the ground is covered by over burden. Boulder-till and loamy soils cover most of the area. Very large poplar and jackpine trees are in various stages of collapse and decay. The soil must be fairly deep to sustain the growth of such big trees. One would suspect a soil depth of at least two metres.

Humus samples were taken along the E-W claim line and along an 800 m north trending base line. The locations are at 25 m intervals and marked with yellow ribbon and numbers T1 to T100.

Soil samples were taken at spots where deemed useful and their locations were marked T101 to T109 and recorded by GPS readings. Samples of discoloured sand showed up to 370 ppb Au.

In the areas of the best mineralization rock outcroppings are rare. The higher land is fairly flat or somewhat dome-like and mineralized rock can only be found at the shoulders and slopes of these structures. Sometimes only small loose pyritized rock pieces can be found at the lower slope. The edges of swamps have produced interesting gold values. While outcrops of basalt are also fractured, the sulfide is confined to narrow seams and fractures. If an economic deposit of gold exists in the area it would likely be associated with the softer, more porous rocks hidden under a mantle of over burden.

Conclusions and recommendations:

The rocks in the claim area were found to be full of fractures which carry anomalous gold values. The gold mineralization is not quartz related but intimately associated with iron pyrite. The total absence of quartz veining precludes a hydrothermal source for the gold which, I think, bodes well.
Humus sampling along the south claim line of 3004186 helped to pinpoint a stripping area. Here, the higher humus values (39 and 106 ppb) coincide with a cluster of elevated gold values (1200 ppb) in rock samples. A number of 'B' horizon soil samples in the same location yielded 21 and 92 ppb in gold.

The pattern of samples over 100 ppb Au outlines an envelope of highly prospective ground within which Phase -2 of the project will be conducted. While there is still no definite answer as to the strike of the rock formations it appears that the rock ridges trend in a northerly direction and the major mineralized fractures zones run in a westerly direction. This pertains to claim 3004186 where the old Armstrong showing is situated.

However, on claim 3005223 many of the outcrops sampled are round humps and no strike can be established. The trend of the elevated gold values as shown on the GPS grid map stretches to the south-west for a distance of 1,200 metres.

On claim 3017176 which covers most of Thundercloud Lake a number of samples from the north shore of the lake assayed anomalous gold values with the highest being 679 ppb. The lake is shown to be underlain by the porphyry stock on the map, but using a depth finder it was found that the water is 125 feet deep. This may indicate that the lake bottom is not porphyry but a softer rock, maybe a major shear zone, possibly mineralized. The lake may cover a major structure to which the extensive fracturing in the area is related.

The unaltered porphyry may not be related to the mineralizing process but may have intruded along structural weaknesses after the Py-Au mineralization was already in place.

Mechanical stripping will be a logical next step in areas of light or moderate over burden. The Paper Company will be constructing logging roads through claim 3005223 and 3004186, traversing the area of elevated gold values. The equipment of the contractor can then be hired for stripping designated targets, saving the equipment-hauling charges.

Three locations will be targeted for stripping by back-hoe. This will be done as soon as the road is fixed and equipment is available. The paper company plans to build a road across the claims. This will be informative as far as soil conditions are concerned. The progress of this work will be closely watched for signs of mineralized bed rock exposures

More detailed prospecting and sampling and maybe a comprehensive soil sampling program must be taken into consideration. An IP survey would make sense because the gold content seems to be proportionate to the amount of sulfide in some rock types.

The aim of this project is to come up with multiple drill targets or to identify areas for surface bulk sampling.

# Assay Certificates

(A)

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## *Geochemical Analysis Certificate*

**4W-2453-RG1**

Date: NOV-03-04

Company: **A.Glatz**
Project:
Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 10 Rock samples submitted OCT-27-04 by

| Sample Number | Au ppb | Au Check ppb |
|---|---|---|
| 0281 | 12 | |
| 0282 | 32 | - |
| 0283 | 41 | - |
| 0284 | 41 | - |
| 0285 | 69 | - |
| 0286 | 79 | - |
| 0287 | 1155 | 1169 |
| 0288 | 75 | |
| ? | Nil | |
| TB | 21 | |

PULP DEL CLOUD 8 samples

*Certified by* Denis Chartrand

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4W-2382-RG1

## *Geochemical Analysis Certificate*

Date: OCT-27-04

Company: **A. GLATZ**
Project:
Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 13 Rock/Soil samples submitted OCT-18-04 by .

| Sample Number | Au PPB | Au Check PPB | |
|---|---|---|---|
| 0274 | 17 | - | |
| 0275 | 2 | - | |
| 0276 | Nil | - | BOYER L. Gabbro |
| 0277 | 3 | - | BOYER L |
| 0278 | Nil | - | BOYER L. Quartz |
| 0279 | 70 | - | Boyer L. Breccia |
| 0280 | 1471 | 1509 | BOYER L. New area |
| ~~0299~~ T100 | 7 | - | SOIL |
| T101 | 3 | - | SOIL |
| T102 | 4 | - | SOIL |
| T103 | Nil | - | SOIL |
| T104 | 91 | 124 | SOIL |
| T105 | 22 | - | SOIL |
| Blank | 2 | - | |
| STD OxK18 | 3402 | - | |

1 set A.U to come

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## *Geochemical Analysis Certificate*

4W-2361-RG1

Company: **A. GLATZ**
Project:
Attn: A. Glatz

Date: OCT-19-04

*We hereby certify* the following Geochemical Analysis of 16 Rock samples submitted OCT-14-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0258 | 48 | - |
| 0259 | 31 | - |
| 0260 | 15 | - |
| 0261 | 10217 | 9977 |
| 0262 | 2126 | - |
| 0263 | 50 | - |
| 0264 | 147 | - |
| 0265 | Nil | - |
| 0266 | Nil | - |
| 0267 | Nil | - |
| J268 | 2 | - |
| 0269 | 5 | 3 |
| 0270 | Nil | - |
| 0271 | 370 | - |
| 0272 | 70 | - |
| 0273 | 12446 | - |

*Certified by* Denis Chartrand

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## *Geochemical Analysis Certificate*

**4W-2277-RG1**

Company: **A. GLATZ**

Date: OCT-07-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 11 Rock samples submitted OCT-01-04 by .

| Sample Number | Au PPB | Au Check PPB | |
|---|---|---|---|
| 0247 | 387 | - | TABOR L. |
| 0248 | 341 | 417 | TABOR L. |
| 0249 | 2499 | - | ALTO GARDNER |
| 0250 | 247 | - | -"- |
| 0251 | 1250 | 1332 | -"- |
| 0252 | 21 | - | BOYER - SOUTH OF THUNDERCLOUD |
| 0253 | 10 | - | |
| 0254 | 14 | - | |
| 0255 | 17 | - | |
| 0256 | 5 | - | |
| 0257 | 62 | 51 | |

Joe:
Looks like we cut the southern limit of gold mineralization

I never received the fax on this one

*Certified by* Denis Chartrand

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## *Geochemical Analysis Certificate*

**4W-2235-RG1**

Company: **A. GLATZ**

Date: OCT-01-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 2 Rock samples submitted SEP-27-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 296 | 948 | 939 |
| 297 | 74 | 94 |

*Certified by* Denis Chartier

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**4W-1984-RG1**

Company: **A. GLATZ**
Project:
Attn: A. Glatz

Date: SEP-08-04

*We hereby certify* the following Geochemical Analysis of 3 Rock samples submitted SEP-01-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 244 | 165 | - |
| 245 | 51 | - |
| 246 | 617 | 603 |

*Certified by* Denis Charter

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## *Geochemical Analysis Certificate*

**4W-1864-RG1**

Company: **A. GLATZ**

Date: AUG-31-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 5 Rock samples submitted AUG-23-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0237 | 171 | 209 |
| 0238 | 21 | - |
| 0239 | 171 | - |
| 0242 | 679 | - |
| 0243 | 156 | 137 |

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## *Geochemical Analysis Certificate*

**4W-1309-SG1**

Company: **A. GLATZ**

Date: JUL-14-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 44 Soil/Humus samples submitted JUN-19-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| T-57 | Nil | - |
| T-58 | Nil | - |
| T-58A | Nil | - |
| T-59 | 3 | - |
| T-60 | Nil | - |
| T-61 | Nil | - |
| T-62 | 3 | - |
| T-63 | 3 | - |
| T-64 | Nil | - |
| T-65 | Nil | - |
| T-66 | 4 | - |
| T-67 | 5 | - |
| T-68 | 3 | 7 |
| T-69 | 7 | - |
| T-70 | Nil | - |
| T-71 | 7 | - |
| T-72 | 3 | - |
| T-73 | Nil | - |
| T-74 | 2 | - |
| T-75 | 5 | - |
| T-76 | 5 | - |
| T-77 | 2 | - |
| T-78 | Nil | - |
| T-79 | Nil | - |
| T-80 | Nil | - |
| T-81 | 2 | - |
| T-82 | 5 | 6 |
| T-83 | Nil | - |
| T-84 | 3 | - |
| T-85 | Nil | - |

*Certified by* Denis Charette

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## *Geochemical Analysis Certificate*

**4W-1309-SG1**

Company: **A. GLATZ**
Project:
Attn: A. Glatz

Date: JUL-14-04

*We hereby certify* the following Geochemical Analysis of 44 Soil/Humus samples submitted JUN-19-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| T-86 | 106 | 101 |
| T-87 | Nil | - |
| T-87A | Nil | - |
| T-88 | Nil | - |
| T-90 | Nil | - |
| T-91 | Nil | - |
| T-92 | Nil | - |
| T-93 | Nil | - |
| T-94 | Nil | - |
| T-95 | Nil | - |
| T-96 | Nil | - |
| T-97 | Nil | - |
| T-98 | Nil | - |
| T-99 | Nil | - |

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## *Geochemical Analysis Certificate*

**4W-1308-SG1**

Company: **A. GLATZ**

Date: JUL-05-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 55 Soil/Humus samples submitted JUN-19-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| T-1 | 38 | - |
| T-2 | Nil | - |
| T-3 | 8 | - |
| T-4 | 5 | - |
| T-5 | 2 | - |
| T-6 | 5 | - |
| T-7 | 5 | - |
| T-8 | 2 | - |
| T-9 | 2 | - |
| T-10 | 3 | - |
| T-11 | 2 | - |
| T-12 | Nil | - |
| T-13 | Nil | - |
| T-14 | 2 | - |
| T-15 | Nil | - |
| T-16 | 3 | - |
| T-17 | 2 | - |
| T-18 | 3 | 14 |
| T-19 | 3 | - |
| T-20 | 9 | - |
| T-21 | 2 | - |
| T-22 | 2 | - |
| T-23 | Nil | - |
| T-24 | 1 | - |
| T-25 | 3 | - |
| T-26 | 2 | - |
| T-27 | 3 | - |
| T-28 | 5 | - |
| T-29 | 7 | 11 |
| T-30 | Nil | - |

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## *Geochemical Analysis Certificate*

**4W-1308-SG1**

Company: **A. GLATZ**

Date: JUL-05-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 55 Soil/Humus samples submitted JUN-19-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| T-31 | 3 | - |
| T-32 | 3 | - |
| T-33 | 3 | - |
| T-34 | 5 | - |
| T-35 | 2 | - |
| T-36 | Nil | - |
| T-37 | 2 | - |
| T-38 | 9 | 5 |
| T-39 | Nil | - |
| T-40 | 3 | - |
| T-41 | 2 | - |
| T-42 | Nil | - |
| T-43 | 2 | - |
| T-44 | 3 | - |
| T-45 | Nil | - |
| T-46 | Nil | - |
| T-47 not rec'd | - | - |
| T-48 | 3 | - |
| T-49 | 4 | - |
| T-50 | 2 | - |
| T-51 | Nil | - |
| T-52 | 2 | - |
| T-53 | Nil | 5 |
| T-54 | 3 | - |
| T-55 | Nil | - |
| T-56 | 2 | - |

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## *Geochemical Analysis Certificate*

**4W-1288-RG1**

Company: **A. GLATZ**

Date: JUN-25-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 4 Rock samples submitted JUN-21-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0231 | 21 | - |
| 0236 | Nil | - |
| 0240 | Nil | - |
| 0241 | 41 | 34 |

*Certified by* Denis Christie

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**Assayers Canada**
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

**A. GLATZ**
Attention: A. Glatz
Project:
Sample: Rock

**Report No : 4W1246 RJ**
Date : Jun-25-04

# MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0228 | 0.2 | 0.98 | 5 | 20 | <0.5 | <5 | 3.96 | <1 | 39 | 169 | 146 | 2.09 | 0.08 | 0.66 | 375 | 2 | 0.08 | 68 | 180 | 6 | <5 | 4 | <10 | 54 | 0.08 | 41 | <10 | 3 | 41 | 2 |

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.



Signed:

# Swastika Laboratories Ltd

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## *Geochemical Analysis Certificate*

**4W-1246-RG1**

Company: **A. GLATZ**

Date: JUN-21-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 9 Rock samples submitted JUN-16-04 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element |
|---|---|---|---|
| 0226 | 87 | 98 | Results |
| 0227 | Nil | - | to |
| 0228 | 5 | - | follow |
| 0229 | 633 | 607 | |
| 0230 | 156 | - | |
| 0232 | Nil | - | |
| 0233 | 7 | 15 | |
| 0234 | Nil | - | |
| 0235 | 3 | - | |
| Blank | Nil | - | |
| STD OxK18 | 3607 | - | |

*Certified by* Denis Chartrand

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

**Assayers Canada**
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

**A. GLATZ**
Attention: A. Glatz
Project:
Sample: Rock

**Report No : 4W1177 RJ**
Date : Jun-18-04

## MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0221 | 2.6 | 3.94 | 145 | 30 | 0.5 | <5 | 1.79 | <1 | 81 | 199 | 113 | 11.15 | 2.06 | 3.06 | 965 | 20 | 0.06 | 127 | 440 | 56 | 10 | 27 | <10 | 10 | 0.15 | 248 | <10 | 5 | 121 | 16 |
| 0224 | <0.2 | 0.14 | <5 | 10 | 0.5 | <5 | 0.40 | <1 | 116 | 252 | 149 | >15.00 | 0.02 | 0.06 | 260 | <2 | 0.02 | 508 | 590 | 34 | 10 | 2 | <10 | <1 | 0.26 | 62 | <10 | 6 | 109 | 20 |

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.



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## *Geochemical Analysis Certificate*

**4W-1177-RG1**

Company: **A. GLATZ**

Date: JUN-10-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 7 Rock samples submitted JUN-08-04 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element |
|---|---|---|---|
| 0219 | 125 | - | Results |
| 0220 | 753 | 763 | to |
| 0221 | 317 | - | follow |
| 0222 | 334 | 317 | |
| 0223 | 19 | - | |
| 0224 | 3 | - | |
| 0225 | Nil | - | |

*Certified by* Denis Charter

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## *Geochemical Analysis Certificate*

**4W-1071-RG1**

Company: **A. GLATZ**

Date: JUN-07-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 4 Rock samples submitted MAY-27-04 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element |
|---|---|---|---|
| 0210 | 1179 | 1275 | Results |
| 0212 | 27 | - | to |
| 0213 | 2 | - | follow |
| 0214 | Nil | - | |

*Certified by* Dennis Charlton

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## *Geochemical Analysis Certificate*

**4W-0897-RG1**

Company: **A. GLATZ**

Date: MAY-11-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 21 Rock samples submitted MAY-05-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0368 | 261 | - |
| 0369 | 51 | - |
| 0370 | 14 | - |
| 0371 | 34 | - |
| 0372 | 418 | 473 |
| 0373 | 593 | - |
| 0374 | 586 | - |
| 0375 | 31 | 43 |
| 0376 | 171 | - |
| 0377 | 27 | - |
| 0378 | Nil | - |
| 0379 | 456 | 413 |
| 0380 | 374 | - |
| 0381 | 51 | - |
| 0382 | 154 | - |
| 0383 | 399 | - |
| 0384 | 62 | 51 |
| 0385 | 3 | - |
| 0386 | 77 | - |
| 0387 | 38 | - |
| 0388 | 2 | - |
| Blank | 2 | - |
| STD OxK18 | 3484 | - |

*Certified by* Denis Thomas

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## *Geochemical Analysis Certificate*

**4W-0897-RG1**

Company: **A. GLATZ**

Date: MAY-11-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 21 Rock samples submitted MAY-05-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0368 | 261 | - |
| 0369 | 51 | - |
| 0370 | 14 | - |
| 0371 | 34 | - |
| 0372 | 418 | 473 |
| 0373 | 593 | - |
| 0374 | 586 | - |
| 0375 | 31 | 43 |
| 0376 | 171 | - |
| 0377 | 27 | - |
| 0378 | Nil | - |
| 0379 | 456 | 413 |
| 0380 | 374 | - |
| 0381 | 51 | - |
| 0382 | 154 | - |
| 0383 | 399 | - |
| 0384 | 62 | 51 |
| 0385 | 3 | - |
| 0386 | 77 | - |
| 0387 | 38 | - |
| 0388 | 2 | - |
| Blank | 2 | - |
| STD OxK18 | 3484 | - |

*Certified by* Denis Thomas

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## *Geochemical Analysis Certificate*

**4W-0906-RG1**

Company: **A. GLATZ**

Date: MAY-11-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 13 Rock samples submitted MAY-05-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 389 | 223 | 189 |
| 390 | 444 | - |
| 391 | 585 | 602 |
| 392 | 175 | - |
| 393 | Nil | - |
| 394 | 329 | - |
| 395 | 384 | - |
| 396 | 46 | - |
| 397 | 242 | 274 |
| 398 | 252 | - |
| 399 | 41 | - |
| 400 | Nil | - |
| 401 | 27 | - |
| Blank | Nil | - |
| STD OxK18 | 3354 | - |

*Certified by* Denis Charette

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**Assayers Canada**
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

**A. GLATZ**
Attention: A. Glatz
Project:
Sample: Core

**Report No : 4W0763 RJ**
Date : May-06-04

## MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0305 | <0.2 | 2.46 | <5 | 40 | 0.5 | <5 | 2.61 | <1 | 42 | 356 | 115 | 3.40 | 0.18 | 1.15 | 380 | 2 | 0.09 | 74 | 230 | 2 | 5 | 5 | <10 | 29 | 0.10 | 71 | <10 | 2 | 83 | 4 |
| 0311 | <0.2 | 4.98 | <5 | 190 | 1.0 | <5 | 2.07 | <1 | 47 | 245 | 75 | 5.71 | 1.98 | 2.16 | 545 | <2 | 0.12 | 145 | 200 | 4 | 5 | 5 | <10 | 46 | 0.17 | 160 | <10 | 1 | 49 | 4 |

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.



Signed: _____

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## *Geochemical Analysis Certificate*

**4W-0864-RG1**

Company: **A. GLATZ**

Date: MAY-05-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 17 Rock samples submitted APR-30-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 343 | 34 | - |
| 344 | 84 | - |
| 345 | 19 | - |
| 346 | 153 | 158 |
| 347 | 226 | - |
| 348 | 86 | - |
| 349 | 67 | - |
| 350 | 1606 | 1591 |
| 351 | 183 | - |
| 352 | 135 | 156 |
| 353 | 99 | - |
| 354 | 132 | - |
| 355 | 86 | - |
| 356 | 60 | - |
| 357 | 48 | - |
| 358 | Nil | - |
| No Tag | 69 | |
| Blank | Nil | - |
| STD OxK18 | 3368 | - |

*Certified by* Denis Charter

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## *Geochemical Analysis Certificate*

**4W-0839-RG1**

Company: **A. GLATZ**

Date: APR-29-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 7 Rock samples submitted APR-28-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0319 | 171 | - |
| 0337 | 123 | - |
| 0338 | 75 | 69 |
| 0339 | 34 | - |
| 0340 | 27 | 34 |
| 0341 | 41 | - |
| 0342 | 31 | - |
| Blank | Nil | - |
| STD OxK18 | 3368 | - |

*Certified by* Denis Charette

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## *Geochemical Analysis Certificate*

**4W-0827-RG1**

Company: **A. GLATZ**
Project:
Attn: A. Glatz

Date: APR-28-04

*We hereby certify* the following Geochemical Analysis of 10 Rock samples submitted APR-26-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0327 | 130 | 103 |
| 0328 | 21 | - |
| 0329 | 62 | - |
| 0330 | Nil | Nil |
| 0331 | Nil | - |
| 0332 | 34 | - |
| 0333 | 103 | - |
| 0334 | 14 | - |
| 0335 | 10 | - |
| 0336 | Nil | - |
| Blank | Nil | - |
| STD OxK18 | 3566 | - |

*Certified by* Denis Chartier

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## *Geochemical Analysis Certificate*

**4W-0790-RG1**

Company: **A. GLATZ**

Date: APR-23-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 7 Rock samples submitted APR-19-04 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0320 | 21 | - |
| 0321 | 41 | 27 |
| 0322 | 10 | - |
| 0323 | 110 | 99 |
| 0324 | 192 | - |
| 0325 | 14304 | 14448 |
| 0326 | 806 | - |
| Blank | Nil | - |
| STD OxK18 | 3470 | - |

*Certified by* Denis Chartrand

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## *Geochemical Analysis Certificate*

**4W-0763-RG1**

Company: **A. GLATZ**

Date: APR-21-04

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 15 Core samples submitted APR-16-04 by .

| Sample Number | Au PPB | Au Check PPB | Ag PPM | Multi Element |
|---|---|---|---|---|
| 0304 | Nil | - | - | Resukts |
| 0305 | 34 | - | - | to |
| 0306 | Nil | - | - | follow |
| 0307 | 14 | - | - | |
| 0308 | Nil | - | - | |
| 0309 | 507 | 555 | - | |
| 0310 | 161 | - | - | |
| 0311 | 631 | 583 | - | |
| 0312 | 10 | - | - | |
| 0313 | 10 | - | - | |
| 0314 | Nil | - | 0.1 | |
| 0315 | 17 | - | - | |
| 0316 | 21 | - | - | |
| 0317 | 7 | - | - | |
| 0318 | 2 | - | - | |
| Blank | Nil | - | - | |
| STD OxK18 | 3429 | - | - | |

*Certified by* Denis Chrétien

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**Assayers Canada**
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

**J. RIIVES**
Attention: J. Riives
Project:
Sample: Rock

**Report No : 3W3920 RJ**
Date : Jan-05-04

# MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K % | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72943 | <0.2 | 3.10 | 10 | 60 | 0.5 | <5 | 2.85 | 1 | 67 | 207 | 124 | 7.70 | 0.47 | 1.84 | 625 | <2 | 0.13 | 93 | 720 | 2 | 5 | 12 | <10 | 29 | 0.12 | 257 | <10 | 6 | 264 | 7 |
| 72944 | <0.2 | 2.46 | 5 | 70 | 0.5 | <5 | 2.11 | <1 | 73 | 218 | 102 | 6.21 | 0.45 | 1.74 | 500 | <2 | 0.11 | 77 | 430 | 2 | 5 | 8 | <10 | 22 | 0.11 | 132 | <10 | 4 | 36 | 7 |
| 72945 | <0.2 | 2.55 | 5 | 80 | 0.5 | <5 | 4.49 | <1 | 50 | 127 | 152 | 6.54 | 0.50 | 1.60 | 715 | <2 | 0.15 | 55 | 380 | 4 | 5 | 9 | <10 | 59 | 0.12 | 348 | <10 | 5 | 29 | 5 |
| 72946 | 1.2 | 0.30 | 95 | 10 | <0.5 | 5 | 0.32 | <1 | 52 | 248 | 64 | 7.32 | 0.07 | 0.17 | 135 | <2 | 0.02 | 23 | 370 | 6 | 5 | 1 | <10 | <1 | 0.01 | 17 | <10 | 4 | 30 | 6 |

A .5 sample is digested with 5 ml 3:1 HCl/HNO3
at 95C for 2 hours and diluted to 25ml with D.I.H2O.



Signed:

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## *Geochemical Analysis Certificate*

**3W-3920-RG1**

Company: **J. RIIVES**

Date: DEC-17-03

Project:

Attn: J. Riives

*We hereby certify* the following Geochemical Analysis of 4 Rock samples submitted DEC-10-03 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element |
|---|---|---|---|
| 72943 | 576 | 521 | Results |
| 72944 | 720 | 1159 | to |
| 72945 | 130 | - | follow |
| 72946 | 113 | - | |

*Certified by* _____

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## Geochemical Analysis Certificate

T. Cloud
500 4186

3W-3733-RG1

Company: J. RIIVES

Project:

Date: NOV-25-03

We hereby certify the following Geochemical Analysis of 5 Rock samples submitted NOV-20-03 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element | |
|---|---|---|---|---|
| 72938 | 5 | - | Results | S. of TRAIL IN SWAMP VOLCANIC |
| 72939 | 79 | 75 | to | N of TRAIL PORPHYRY 50 From YOUR |
| 72940 | 82 | - | follow | 40' NE OF 939 PORPHYRY |
| 72941 | 123 | 137 | | 300' DOWN THE GULLY FROM 940 PORPHYRY |
| 72942 | 12 | - | | ON ROAD PORPHYRY Rock CUT OFF OF CLAIM |

Certified by Denis Chartrand

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## *Geochemical Analysis Certificate*

**3W-3732-RG1**

Company: **A. GLATZ**
Project:
Attn: A. Glatz

Date: NOV-25-03

*We hereby certify* the following Geochemical Analysis of 14 Rock samples submitted NOV-20-03 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0179 | 3257 | 3360 |
| 0180 | 34 | - |
| 0181 | 9292 | - |
| 0182 | 398 | - |
| 0183 | 13577 | 12892 |
| 0184 | 1851 | - |
| 0185 | 113 | - |
| 0186 | 77 | - |
| 0187 | 108 | - |
| 0188 | 46 | - |
| 0189 | 130 | - |
| 0190 | 72 | - |
| 0191 | 27 | - |
| 0192 | 19 | 24 |

*Certified by* Denis Chartrand

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## *Geochemical Analysis Certificate*

**3W-3684-RG1**

Company: **A. GLATZ**

Date: NOV-18-03

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 3 Rock samples submitted NOV-17-03 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0176 | 27 | 24 |
| 0177 | 17 | - |
| 0178 | 21 | - |

*Certified by* _____

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## *Geochemical Analysis Certificate*

**3W-3667-RG1**

Company: **J. RIIVES**
Project:
Attn: J. Riives

Date: NOV-17-03

*We hereby certify* the following Geochemical Analysis of 6 Rock samples submitted NOV-13-03 by .

3004186

| Sample Number | Au PPB | Au Check PPB | |
|---|---|---|---|
| 72932 | 218 | 243 | END OF KD2/5 TRAIL |
| 72933 | 17 | - | "CLIFF" AT END OF DD RD. (SILICIFIED) |
| 72934 | 17 | - | " " " " |
| 72935 | 105 | 91 | 3005223 / 74P W of L.P. 800 m / W #1 |
| 72936 | 123 | - | PORPHYRY 15% Py ON ROAD |
| 72937 | 48 | - | " FRACTURED ~1% Py RUST |

Certified by Denis Chartrand

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## *Geochemical Analysis Certificate*

**3W-3619-RG1**

Company: **A. GLATZ**

Date: NOV-13-03

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 7 Rock samples submitted NOV-10-03 by .

| Sample Number | Au PPB | Au Check PB | |
|---|---|---|---|
| 0169 | 1531 | - | THUNDER CLOUD COUNTRY ROCK |
| [illegible] | [illegible] | - | H |
| | 13 | - | H |
| | [illegible] | - | H |
| [illegible] | [illegible] | 80172 | H |
| [illegible] | [illegible] | - | H |
| 0175 | 7269 | 7231 | THUNDER CLOUD - DUPLICATE OF FIRST SAMPLE (11 g/ton) |

Certified by Denis Chamberlain

[illegible] Ave. P.O. Box 0, Timmins, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

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## *Geochemical Analysis Certificate*

**3W-3490-RG1**

Company: **A. GLATZ**

Date: NOV-04-03

Project:

Attn: A. Glatz

*We hereby certify* the following Geochemical Analysis of 3 Rock samples submitted NOV-01-03 by .

| Sample Number | Au PPB | Au Check PPB |
|---|---|---|
| 0166 | 11760 | 11726 |
| 0167 | 394 | - |
| 0168 | 120 | - |

*Certified by* Denis Charette

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

**Sample Summary**

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '031025 | 166 | 3004186 | stripped area | grab | 1% py | altered conglomerate, no quartz | 11760 |
| '031025 | 167 | 3004186 | reef | grab | fine py | altered conglomerate | 394 |
| '031025 | 168 | 3004186 | 34406-70703 | grab | >1% py | silicified basalt | 120 |
| '031025 | 169 | 3004186 | 34286-70759 | grab | scant py | altered basalt | 1531 |
| '031103 | 175 | 3004186 | 34512-70613 | grab | 1% py | altered conglomerate, no quartz | 7269 |
| '031111 | 176 | 3005223 | 200 m west of lake | grab | fine py | fractured basalt | 27 |
| '031111 | 177 | 3005223 | 3 m east of #176 | grab | tr py chlorite | grey rock | 17 |
| '031117 | 185 | 3004186 | 34518-70613 | grab | alb py | conglomerate | 113 |
| '031117 | 186 | 3004186 | end of ko trail | grab | 2% py | mafic rock | 77 |
| '031117 | 187 | 3004186 | end of cut trail | grab | 5% py | altered quartz porphyry | 108 |
| '031117 | 188 | 3004186 | 34390-70641 | grab | scant py | fractured mafic | 46 |
| '031117 | 189 | 3004186 | 34406-70703 | grab | 1% py | mafic rusty rock | 130 |
| '031117 | 190 | 3004186 | 3rd on west hill | grab | 2-3% py | silicified mafic rock | 72 |
| '031117 | 191 | 3004186 | 34304-70754 | chip .5m | py alb | mafic volcanic | 27 |
| '031117 | 192 | 3004186 | 34304-70754 | grab | 6% py | mafic volcanic | 19 |
| '031025 | 72932 | 3004186 | end of Kozy trail | grab | 2% py | altered mafic | 218 |
| '031025 | 72933 | 3004186 | end of moose trail | grab | 1% py | basalt | 17 |
| '031025 | 72934 | 3004186 | cliff | grab | trace py | basalt | 17 |
| '031110 | 72935 | 3005223 | 100 p west of l.p. 800 | grab | 1% py | altered mafic | 105 |
| '031110 | 72936 | 3017176 | rock-cut on road | grab | 3% py | quartz porphyry | 123 |
| '031110 | 72937 | 3017176 | rock-cut on road | grab | 3% py | quartz porphyry | 49 |
| '031117 | 72938 | 3004186 | south of swamp | grab | 1% py | mafic volcanic | 5 |
| '031117 | 72939 | 3004186 | north of trail | grab | trace py | porphyry | 79 |
| '031117 | 72940 | 3004186 | 40 ft. east of 72939 | grab | trace py | porphyry | 82 |
| '031117 | 72941 | 3004186 | deep gully down from 939 | grab | 2% py | porphyry | 123 |
| '031117 | 72942 | 3017176 | rock-cut on road | grab | 3% py | porphyry | 12 |
| '031206 | 72943 | 3005223 | 34775-69650 | old core | 2% py | altered mafic volcanic | 576 |
| '031206 | 72944 | 3005223 | 34775-69650 | old core | 2% py, cp | altered mafic volcanic | 1159 |
| '031206 | 72945 | 3005223 | 34775-69650 | old core | 1% py | altered mafic volcanic | 130 |
| '031206 | 72946 | 3005223 | 34775-69650 | old core | 1% py | altered mafic volcanic | 113 |
| '040411 | 305 | 3005223 | | grab | scant py | altered mafic | 34 |
| '040411 | 306 | 3005223 | | grab | 1% py | mafic volcanic | nil |
| '040411 | 307 | 3005223 | fork of trail | grab | 1%py | brecciated mafic | 14 |
| '040411 | 308 | 3005323 | | grab | py | rusty mafic | nil |
| '040411 | 309 | 3005223 | sw corner of claim | grab | scant py | rustyy mafic | 555 |
| '040411 | 310 | 3005223 | sw corner | grab | 1% py | rusty mafic | 161 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040411 | 311 | 3005323 | west line | grab | 5%py | foliated platty mafic | 631 |
| '040413 | 212 | 3004186 | 33322-70939 | grab | py | mafic | 10 |
| '040413 | 313 | 3004186 | 33502-70885 | grab | 1% py | rusty mafic | 12 |
| '040413 | 314 | 3007064 | beaverpond north sid | float | carb | carbonatated boulder | nil |
| '040413 | 315 | 3007064 | across from 313 | grab | py seams | rusty mafic | 17 |
| '040413 | 316 | 3007064 | 33405-70917 | grab | 2%py | rusty mafic | 21 |
| '040413 | 317 | 3007064 | 100 ft sw of 316 | grab | 2-4% py | fractured mafic | 7 |
| '040413 | 318 | 3007064 | | grab | rust | gossan mafic | 2 |
| '040417 | 320 | 3004186 | 34920-70761 | grab | 15% py | fractured mafic | 21 |
| '040417 | 321 | 3004186 | 34286-70749 | grab | 10% py | silicified mafic | 41 |
| '040417 | 322 | 3004186 | 30 m from 321 | grab | little py | q porphyry | 10 |
| '040417 | 323 | 3004186 | side hill from reef | grab | 1%py | mafic | 110 |
| '040417 | 324 | 3004186 | 34518-70709 | gab | py | brecciated conglomerate | 192 |
| '040417 | 325 | 3004286 | between reef & pit | grab | 10% py | brecciated conglomerate | 14304 |
| '040417 | 326 | 3004186 | 34567-70420 | grab | 5% py | conglomerate boulder | 806 |
| '040419 | 327 | 3004186 | 34448-70920 | grab | 3%py | mafic | 130 |
| '040419 | 328 | 3004186 | 34511-70900 | grab | 1%py | porphyry | 21 |
| '040419 | 329 | 3004186 | 34223-71058 | grab | py | mafic rock | 62 |
| '040419 | 330 | 3004186 | 34218-70787 | grab | trace py | carbonated andesite | nil |
| '040419 | 331 | 3004186 | 100 ft west of base l | grab | py | porphyry? | nil |
| '040419 | 332 | 3004186 | west of base l | grab | 5%py | altered mafic | 34 |
| '040419 | 333 | 3004186 | 100m sw of ba l end | grab | 3% py | fine gr black rock | 103 |
| '040419 | 334 | 3004186 | 500m w of # 1 post | grab | 2%py | rusty mafic | 14 |
| '040419 | 335 | 3004186 | w of rd location | grab | rust | mafic | 10 |
| '040419 | 336 | 3004186 | prop rd crosses trail | grab | rust | rusty mafic volc | nil |
| '040424 | 337 | 3005223 | 34685-69856 #1 | grab | 4% py | fractured mafic volc | 173 |
| '040424 | 338 | 3005223 | 34697- 69871 #2 | grab | 8% py | gossan zone in mafic volc | 75 |
| '040424 | 339 | 3005223 | 34670-69844 #3 | grab | 2% py | fractured mafic volc | 34 |
| '040424 | 340 | open | east of 3004186 | grab | 2%py | mafic | 27 |
| '040424 | 341 | open | east of 3005223 | grab | 2% py | fractured mafic volc | 41 |
| '040424 | 342 | open | 36420-69301 | grab | tr py | fractured volcanic | 31 |
| '040427 | 343 | 3005223 | 34531-69772 | grab | 4% py | mafic volc | 34 |
| '040427 | 344 | 3005223 | 34535-69736 | grab | 10% fine py | mafic-porphyry contact | 84 |
| '040427 | 345 | 3005223 | 34514-69735 | grab | 5% py | fractured mafic volc | 19 |
| '040427 | 346 | 3005223 | 34496-69796 | grab | 5% py | sheared porphyry | 153 |
| '040427 | 347 | 3005223 | 34455-69751 | grab | 15% py | mafic close to porphyry | 226 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| ;040427 | 348 | 3005223 | 34456-69689 | grab | 4% py | mafic volc | 86 |
| ;040427 | 349 | 3005223 | 34446-69677 | | tr py | mafic volc | 67 |
| '040427 | 350 | 3005223 | 34414-69677 | | 10-15% py | altered silicified rock | 1606 |
| '040427 | 351 | 3005223 | 34414-69677 | soil | | yellow-reddish soil | 183 |
| '040427 | 352 | 3005223 | 34408-69676 | grab | 15% py | silicified leached mafic volc | 135 |
| '040427 | 353 | 3005223 | 34396-69720 | composite | 4% py | fractured , silicified mafic | 99 |
| '040427 | 354 | 3005223 | 34355-69675 | large sample | 10% py | fractured volcanic | 132 |
| '040427 | 355 | 3005223 | 34326-69653 | grab | 15% py | silicified volcanic | 86 |
| '040427 | 356 | 3005223 | 34387-69500 Nad 27 | grab | tr py | mafic volcanic | 60 |
| '040427 | 357 | 3005223 | 34327-69536 nad27 | grab | 6% py | mafic volcanic | 48 |
| '040427 | 358 | 3005223 | close to beaverdam | float | 1% py | porphyry | nil |
| '040501 | 368 | 3005223 | 34673-69673 | grab | 4% py | mafic volcanic | 261 |
| '040501 | 369 | 3005223 | 34491-69735 | grab | 2% py | black cherty volcanic | 51 |
| '040501 | 370 | 3005223 | 34491-69735 | grab | 1% py | cherty rock with fractured quartz | 14 |
| '040501 | 371 | 3005223 | 34274-69622 | grab | 2% py | rusty mafic volcanic | 34 |
| '040501 | 372 | 3005223 | 34284-69527 | grab | 1% py | sheared mafic volcanic | 418 |
| '040501 | 373 | 3005223 | 34130-69334 | grab | 2% py | mafic volcanic | 593 |
| '040501 | 374 | 3005223 | 33659-69185 | grab | 2% py | fractured mafic volanic | 586 |
| '040501 | 375 | 3005223 | 33920-69430 | grab | 2% py | mafic volcanic | 43 |
| '040501 | 376 | 3005223 | 33958-69441 | grab | 3% py | rusty volcanic | 171 |
| '040501 | 377 | 3005223 | 33454-69692 | grab | quartz, py | altered volcanic | 27 |
| '040501 | 378 | 3005223 | 33705-69301 | grab | quartz | porphyry | nil |
| '040501 | 379 | 3004186 | 34519-70150 | grab | 20% py | altered mafic volcanic | 456 |
| '040501 | 380 | 3005223 | 33842-69280 | grab | 2% py | fractured mafic volcanic | 374 |
| '040501 | 381 | 3005223 | 34460-69646 nad27 | grab | tr py | mafic volanic | 51 |
| '040501 | 382 | 3005223 | 34395-69556 nad27 | grab | 3% py | mafic volcanic | 154 |
| '040501 | 383 | 3005223 | 34252-69362 nad27 | grab | 5% py | mafic volcanics | 399 |
| '040501 | 384 | 3005223 | north of bay | grab | tr py | mafic volcanic | 62 |
| '040501 | 385 | 3005223 | 33583-68925 nad27 | grab | tr py | fine gr greenish rock | 3 |
| '040501 | 386 | 3007106 | 33766-69186 nad27 | grab | 3% py | mafic volcanic | 77 |
| '040501 | 387 | 3005223 | 33801-69225 nad27 | grab | 2% py | brown rusty basalt | 38 |
| '040501 | 388 | 3005223 | 33903-69284 nad27 | grab | tr py | fine grained basalt | 2 |
| '040505 | 389 | 3004186 | 34517-70185 | soil | | redish soil | 223 |
| '040505 | 390 | 3004186 | 34517-70185 | grab | 30% p | silicified rock | 444 |
| '040505 | 391 | 3004186 | 34517-70185 | grab | 20% py | silicified mafic volcanic | 602 |
| '040505 | 392 | 3004186 | 34449-70261 | grab | 5% py | silicified mafic volcanic | 175 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040505 | 393 | 3004186 | 34554-70406 | grab | 3% py | fractured mafic volcanic | nil |
| '040505 | 394 | 3004186 | 34567-70434 | grab | 25% py | silicified mafic (Float?) | 329 |
| '040505 | 395 | 3004186 | 34567-70434 | grab | some py | altered mafic volcanic | 384 |
| '040505 | 396 | 3004186 | 34709-70370 | grab | py cp | contact volc/porphyry | 46 |
| '040505 | 397 | 3004186 | 34455-70059 nad27 | composite | py | silicified mafic | 274 |
| '040505 | 398 | 3004186 | 34455-70059 nad27 | grab | py | green-black mafic | 252 |
| '040505 | 399 | 3004186 | 34517-70193 nad27 | grab | py | mafic volcanic rock | 41 |
| '040505 | 400 | 3004186 | 34517--70193 nad27 | grab | tr py | gabbro | nil |
| '040505 | 401 | 3004186 | 34660-70291 nad27 | grab | 2% py | black rock | 27 |
| '040521 | 208 | 3005223 | 34422-70136 | grab | 2% py | andesite | 24 |
| '040521 | 209 | 3004186 | 34429-70152 | grab | 10% py | silicified lava | 432 |
| '040521 | 210 | 3004186 | 34434-70152 | grab | 4% py | sheared basalt? | 1275 |
| '040521 | 211 | 3004186 | 34444-70172 | grab | 6% py | cherty fractured mafic | 2229 |
| '040521 | 212 | 3004186 | 34517-70185 | grab | 2%py | cherty fractured mafic | 27 |
| '040601 | 219 | 3005223 | 34309-70124 | grab | py seam | black rock | 325 |
| '040601 | 220 | 3005223 | 34182-70230 | grab | fine sulfide | basalt fractured and sheared | 753 |
| '040601 | 221 | 3005223 | 34185-70207 | grab | 25 % py | volc with soft white streaks | 317 |
| '040601 | 222 | 3005223 | 34185-70207 | grab | 20 % py | volc no white streaks | 334 |
| '040602 | 223 | 3005223 | 34189-70109 | grab | tr py | mafic /felsic flow contact | 19 |
| '040602 | 224 | 3005223 | 33910-70135 | boulder | 15 % po Zn | felsic flow | 3 |
| '040602 | 225 | 3005223 | 33719-70131 | grab | py | fractured mafic | nil |
| '040608 | 226 | 3007106 | 33360-69081 | grab | tr py | mafic | 87 |
| '040608 | 227 | 3007106 | 33366-69081 | grab | red oxide | diorite | nil |
| '040608 | 228 | 3007106 | 33326-69170 | grab | white oxide | brecciated fine grained mafic | 5 |
| '040608 | 229 | 3007106 | 33612-69378 | grab | 5% sulf | altered basalt, sheared | 633 |
| '040608 | 230 | 3007106 | 33612-69378 | grab | 5% sulf | sheared basalt | 156 |
| '040608 | 231 | 3007106 | 33380-69492 | grab | tr cp py | fractured mafic | 21 |
| '040608 | 232 | 3007106 | 33334-69274 | grab | cp | quartz float | nil |
| '040608 | 233 | 3007106 | 33363-69186 | grab | py | mafic volcanic | 7 |
| '040608 | 234 | 3007106 | 33483-69125 | grab | 3% py | mafic volcanic | nil |
| '040608 | 235 | 3007106 | 33483-69125 | grab | 3% py | mafic volcanic | 3 |
| '040614 | 240 | 3004186 | 34497-70860 | grabs | 2% py | porphyry | nil |
| '040614 | 241 | 3004186 | 34534-70873 | grabs | 1% py | mafic close to porphyry | 34 |
| | | | | | | | |
| '040602 | T1 | 3005223 | along north line | | humus | soil sampling | 39 |
| '040602 | T2 | 3005223 | along north line | | humus | soil sampling | nil |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040602 | T3 | 3005223 | along north line | | humus | soil sampling | 8 |
| '040602 | T4 | 3005223 | along north line | | humus | soil sampling | 5 |
| '040602 | T5 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T6 | 3005223 | along north line | | humus | soil sampling | 5 |
| '040602 | T7 | 3005223 | along north line | | humus | soil sampling | 5 |
| '040602 | T8 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T9 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T10 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T11 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T12 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T13 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T14 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T15 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T16 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T17 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T18 | 3005223 | along north line | | humus | soil sampling | 14 |
| '040602 | T19 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T20 | 3005223 | along north line | | humus | soil sampling | 9 |
| '040602 | T21 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T22 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T23 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T24 | 3005223 | along north line | | humus | soil sampling | 1 |
| '040602 | T25 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T26 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T27 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T28 | 3005223 | along north line | | humus | soil sampling | 5 |
| '040602 | T29 | 3005223 | along north line | | humus | soil sampling | 11 |
| '040602 | T30 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T31 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T32 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T33 | 3005223 | along north line | | humus | soil sampling | 3 |
| '040602 | T34 | 3005223 | along north line | | humus | soil sampling | 5 |
| '040602 | T35 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040602 | T36 | 3005223 | along north line | | humus | soil sampling | nil |
| '040602 | T37 | 3005223 | along north line | | humus | soil sampling | 2 |
| '040608 | T38 | 3007106 | along east line | | humus | soil sampling | 9 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040608 | T39 | 3007106 | along east line | | humus | soil sampling | nil |
| '040608 | T40 | 3007106 | along east line | | humus | soil sampling | 3 |
| '040608 | T41 | 3007106 | along east line | | humus | soil sampling | 2 |
| '040608 | T42 | 3007106 | along east line | | humus | soil sampling | nil |
| '040608 | T43 | 3007106 | along east line | | humus | soil sampling | 2 |
| '040608 | T45 | 3007106 | along east line | | humus | soil sampling | 3 |
| '040608 | T46 | 3007106 | along east line | | humus | soil sampling | nil |
| '040608 | T47 | 3007106 | along east line | | humus | soil sampling | nil |
| '040614 | T47a | 3004186 | on base line | | humus | soil sampling | missing |
| '040614 | T48 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T49 | 3004186 | on base line | | humus | soil sampling | 4 |
| '040614 | T50 | 3004186 | on base line | | humus | soil sampling | 2 |
| '040614 | T51 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T52 | 3004186 | on base line | | humus | soil sampling | 2 |
| '040614 | T53 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T54 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T55 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T56 | 3004186 | on base line | | humus | soil sampling | 2 |
| '040614 | T57 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T58 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T59 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T60 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T61 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T62 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T63 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T64 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T65 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T66 | 3004186 | on base line | | humus | soil sampling | 4 |
| '040614 | T67 | 3004186 | on base line | | humus | soil sampling | 5 |
| '040614 | T68 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T69 | 3004186 | on base line | | humus | soil sampling | 7 |
| '040614 | T70 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T71 | 3004186 | on base line | | humus | soil sampling | 7 |
| '040614 | T72 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T73 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T74 | 3004186 | on base line | | humus | soil sampling | 2 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040614 | T75 | 3004186 | on base line | | humus | soil sampling | 5 |
| '040614 | T76 | 3004186 | on base line | | humus | soil sampling | 5 |
| '040614 | T77 | 3004186 | on base line | | humus | soil sampling | 2 |
| '040614 | T78 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T79 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T80 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T81 | 3004186 | on base line | | humus | soil sampling | 2 |
| '040614 | T82 | 3004186 | on base line | | humus | soil sampling | 5 |
| '040614 | T83 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T84 | 3004186 | on base line | | humus | soil sampling | 3 |
| '040614 | T85 | 3004186 | on base line | | humus | soil sampling | nil |
| '040614 | T86 | 300 5223 | on northline-east | | humus | soil sampling | 106 |
| '040614 | T87 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T88 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T89 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T90 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T91 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T92 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T93 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T94 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T95 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T96 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T97 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T98 | 300 5223 | on northline-east | | humus | soil sampling | nil |
| '040614 | T99 | 300 5223 | on northline-east | 34512-70613 | humus | soil sampling | nil |
| | | | | | | | |
| '049802 | 242 | 3005223 | 34338-70285 | grab | fine sulf | sheared black rock | 679 |
| '040816 | 243 | 3017176 | s of #4 post | grab | 5% py | grey- black rck | 156 |
| '040821 | 244 | 3017176 | 34362-69296 | grabs | py, malac | silicified mafic rock | 161 |
| '040821 | 245 | 3017176 | 34370-69300 | grab | tr py | piece of quartz | 51 |
| '040821 | 246 | 3017176 | 34358-69292 | grab, rubble | 8-10% sulf | silicified grey rock | 617 |
| '040927 | 252 | 3017176 | 34541-68235 | grab | fine py | fractured basalt ? | 21 |
| '040927 | 253 | 3017176 | 34614-68049 | grab | fine py | fractured basalt | 10 |
| '040927 | 254 | 3017176 | 34847-69266 | grab | tr py | severelly fractured mafic 45* dip n | 14 |
| '040927 | 255 | 3017176 | 34348-68530 | grab | 2% py | altered basalt | 17 |
| '040927 | 256 | 3017176 | 34345-68520 | grab | tr py | basalt blue-black sheen | 5 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| '040927 | 257 | 3017176 | 34337-68506 | float ? | 5% py | basalt fractured | 62 |
| '041005 | 258 | 3017176 | 34353-70313 | grab | 4% py | basalt | 48 |
| '041005 | 259 | 3017176 | 34514-70798 | grab | 2% py | conglomerate | 31 |
| '041005 | 260 | 3017176 | 34517-70603 | grab | 1% py | conglomerate | 15 |
| '041005 | 261 | 3017176 | 34511-70608 | grab | 3% py | conglomerate | 10217 |
| '041005 | 262 | 3017176 | 34534-70655 | grab | 3% py | sheared felsic volcanic ? | 2126 |
| '041005 | 263 | 3017176 | 34538-70742 | grab | fine py | basalt | 50 |
| '041005 | 264 | open | 39101-69779 | grab | 2% py | sheared mafic | 147 |
| '041006 | 265 | 3017176 | 34494-68432 | grab | magnetite | altered volcanic | nil |
| '041006 | 266 | 3017176 | 34433-68336 | grab | 2% fine py | mafic volcanic/ porph contact | nil |
| '041006 | 267 | 3017176 | 35362-68056 | grab | 2% py rust | mafic | nil |
| '041006 | 268 | 3017176 | 35362-68056 | grab | 1% py | mafic porous soft | 2 |
| '041006 | 269 | 3017176 | east creek | grab | tr py | sheared felsic, little quartz | 5 |
| '041006 | 270 | 3017176 | east creek | grab | fine py | sherty mafic | nil |
| '041006 | 271 | 3005223 | 24429-70152 | grab | soil | soil | 370 |
| '041006 | 272 | 3004186 | 34514-70598 | grab | py cpy | fractured mafic | 70 |
| '041006 | 273 | 3004186 | 34512-70613 | grab | 10+% sulf | altered conglomerate | 12446 |
| '041014 | 276 | 3005223 | 34444-70177 | grab | fine dis. sulf. | unaltered gabbro | nil |
| '041014 | 277 | 3005223 | 34353-70140 | grab | 3% py | breccia | 3 |
| '041014 | 278 | 3004186 | 34277-70190 | grab | 3% py | mafic volcanic + grey quartz | nil |
| '041014 | 279 | 3004186 | 34227-70179 | grab | 6%py | breccia | 70 |
| '041014 | 280 | 3004186 | 34183-70173 | grab | 50% py | semi-massive sulfide | 1471 |
| '041014 | T101 | 3004186 | 34427-70152 | soil | | soil | 3 |
| '041014 | T102 | 3004186 | 34440-70150 | soil | | soil | 4 |
| '041014 | T103 | 3004186 | 34408-70152 | soil | | soil | nil |
| '041014 | T104 | 3005223 | 34351-70110 | soil | | soil | 124 |
| '041014 | T105 | 3004186 | 34232-70174 | soil | | soil | 22 |
| '041014 | T106 | 3004186 | ? | soil | | soil | 7 |
| '041021 | T107 | 3005223 | 34376-69952 | soil | | soil | nil |
| '041021 | T108 | 3005223 | 34356-69950 | soil | | soil | 21 |
| '041021 | 283 | 3005223 | 34376-69952 | grab | 5% py | breccia | 41 |
| '041021 | 284 | 3005223 | 34356-69950 | grab | 4% py | altered basalt | 41 |
| '041021 | 285 | 3005223 | 34496-69733 | grab | 10% py | altered basalt, breccia | 69 |
| '041021 | 285 | 3005223 | 34496-69733 | grab | 10% py | altered basalt, breccia with quartz | 79 |
| '041021 | 287 | 3005223 | 34407-69682 | grab | 8% py | sheared volcanic | 1155 |
| '041021 | 288 | 3005223 | 34283-70003 | grab | 6% py | mafic breccia | 75 |

| Date | Sample# | Claim # | UTM coordinates Nad 83 | Sample type | Minerals | Lithology | Au ppb |
|---|---|---|---|---|---|---|---|
| 041103 | 292 | 3004186 | 34528-70586 | grab | 3% py | conglomerate | not assayed |

# Prospecting Log

| Date | Claim | Work description | truck km | ATV $ | po saw $ | boat $ | lunch $ | days x $150 |
|---|---|---|---|---|---|---|---|---|
| '031025 | 3004186 | looking for gossan areas seen by A. Kozowy, found trail, located gossans over large area, found old workings, previously unknown, seven samples taken, 2 trucks, 2 ATVs (Joe RIives) | 316 | $180.00 | $25.00 | | $30.00 | $300.00 |
| '031117 | 3004186 | resampled locations from oct 25 to confirm assays, 6 samples taken from conglomerate and mafic volcanic | 158 | $90.00 | | | $15.00 | $150.00 |
| '040412 | 3004186 | prospecting along south line between the two lakes, 7samples taken | 158 | $90.00 | | | $15.00 | $150.00 |
| '040417 | 3004186 3007106 | ran baseline south from new showing, found minerakized conglomerate floats ? sticking out of the swampy overburden, 14 samples by Joe | 316 | $180.00 | | | $30.00 | $300.00 |
| '040419 | 3004186 | ran north end of base line with Joe and prospected on both sides of it and then followed the claim line to the west and traversed the claim in a random south-easterly direction, keeping in contact by "talk-about" radio took 10 samples | 158 | $80.00 | | | $30.00 | $300.00 |
| '040424 | 3005223 | extended base line south to Thundercloud Lake shore, located new pyrite zone, took 7 samples | 158 | $80.00 | | | $15.00 | $150.00 |
| '040427 | 3005223 | prospecting with Joe from beaverdam to Kennewabeko creek ten old pits discovered, random sampling of mafic bedrock occurences several small porphyry dikes seen, 16 samples taken | 158 | $80.00 | | | $30.00 | $300.00 |
| '040504 | 3004186 | Pulled boat through swamp to the lake for use in prospecting the west part of property, then prospected from end of beaver flood to armstrong pit on base line with Joe, exposed 3 new sulfide zones, 13 samples | 158 | $80.00 | | $40.00 | $30.00 | $300.00 |
| '040521 | 3004186 | found that road is washed out, worked more than an hour to get ATV across, found 2 new pyritized zones, took 6 samples | 158 | $80.00 | | $40.00 | $15.00 | $150.00 |
| '040601 | 3004186 | cut extension of trail past baseline with powersaw, found new showing north of small lake 500 metres west of #2 post 4 samples | 160 | $80.00 | $25.00 | $40.00 | $15.00 | $150.00 |
| '040602 | 3005223 | collected 37 humus samples along north boundary of claim, found unusual float under stump, may have base metal potential, 3 rock sample | 160 | $80.00 | $25.00 | $40.00 | $15.00 | $150.00 |

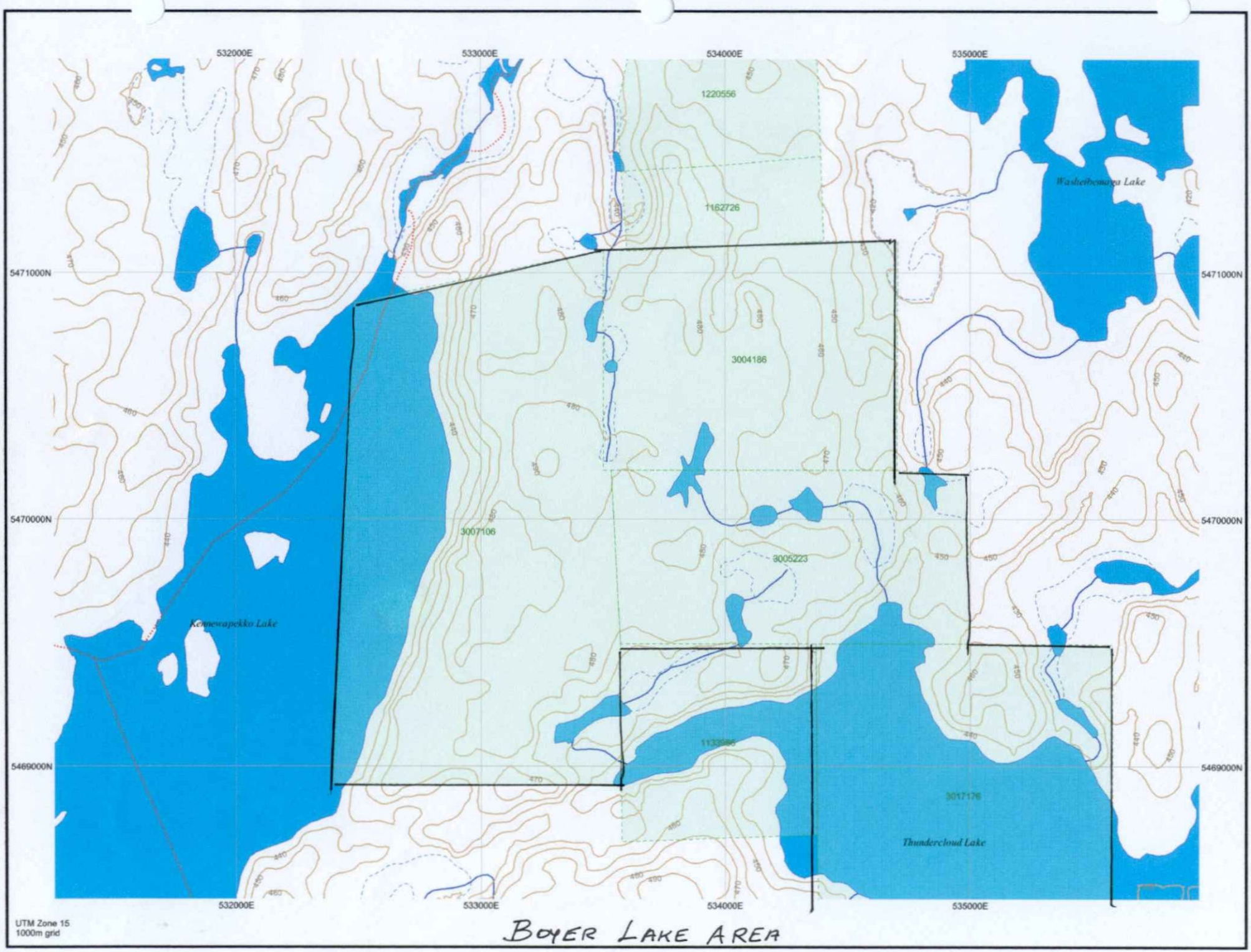
| Date | Claim | Work description | truck km | ATV $ | po saw $ | boat $ | lunch $ | days x $150 |
|---|---|---|---|---|---|---|---|---|
| '040608 | 3017106 | went to west part by boat to access new claim, collected 8 humus samples along east claim line, traversed south part of claim, 9 rock samples taken, Joe located pyritized mafic shear zone | 160 | $80.00 | | $40.00 | $30.00 | $300.00 |
| '040609 | 3005223 | examining shoreline of Thundercloud lake by boat, no samples taken | 160 | $80.00 | | $40.00 | $15.00 | $150.00 |
| '040614 | 3004186 | collected 54 humus samples along baseline across claim,3 rock samples | 160 | $80.00 | | | $15.00 | $150.00 |
| '040616 | proccesing, drying and pac | 1100 humus samples | 0 | $80.00 | | $0.00 | $15.00 | $150.00 |
| '040816 | 3017176 | prospecting by boat west shore of thundercloud lake 3 samples taken | 160 | $80.00 | | $40.00 | $30.00 | $300.00 |
| '040821 | 3017176 | prospecting along east part of claim and on shore 3 samples | 160 | $80.00 | | $40.00 | $30.00 | $300.00 |
| '040802 | 3004186 | prospecting south of Armstrong zone 2 samples | 160 | $80.00 | | | $15.00 | $150.00 |
| '040927 | 3017176 | prospecting with joe south of lake used motor boat 7 samples | 170 | $80.00 | | $40.00 | $30.00 | $300.00 |
| '041005 | 3004186 | found more pyritized mafic outcrops 8 samples | 160 | $80.00 | | | $15.00 | $150.00 |
| '041005 | 3004186+3017176 | Joe by boat south of lake, I mapped Armstrong zone with Peter 2 trucks, 2 ATVs 11 samples | 320 | $160.00 | | $40.00 | $30.00 | $300.00 |
| '041014 | 3004186 | prospecting north of little lake, 6 rock s. and 6 soil samples | 160 | $80.00 | | | $15.00 | $150.00 |
| '041021 | 3005223 | prospecting south of little lake found new mineralized areas 6 rock samples, 2 soil s. | 160 | $80.00 | | | $15.00 | $150.00 |
| '041103 | 3004186 | bleached rock surfaces to ascertain rock type at Armstromg zone as conglomerate classification is questionable, found new mineralization, one sample taken | 160 | $80.00 | | | $15.00 | $150.00 |
| | | total km = | 3988 | | | | | |
| | | | X .42 | | | | | |
| | | | $1,674.00 | $2,220.00 | $75.00 | $400.00 | $510.00 | $5,100.00 |
| | | | | | | total= | | $9,979.00 |

# Assay Costs

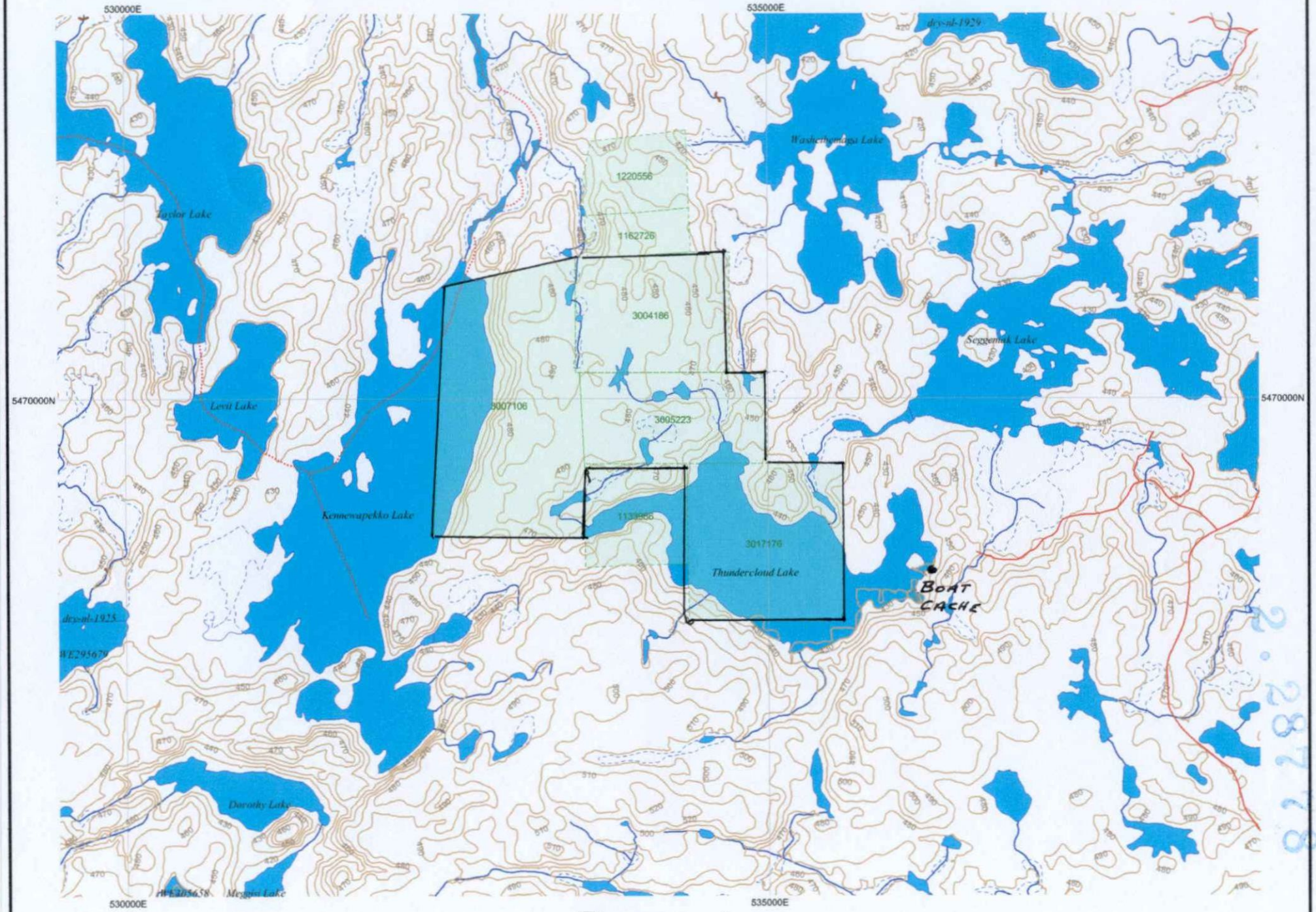
Assay expenses

| Date | Type of service | Supplier | Certificate # | Invoice # | Amount $ |
|---|---|---|---|---|---|
| 12/10/2003 | Sample assay | Swastika Laboratories | 3W-3839-RG1 | 6200 | $36.92 |
| 12/29/2003 | Sample assay | Swastika Laboratories | 3W-4008-RG1 | 6249 | $61.53 |
| 12/29/2003 | Sample assay | Swastika Laboratories | 3W-566-RG1 | 6444 | $40.13 |
| 4/25/2004 | Sample assay | Swastika Laboratories | 4W-0790-RG1 | 6527 | $86.14 |
| 4/28/2004 | Sample assay | Swastika Laboratories | 4W-0827-RG1 | 6546 | $123.05 |
| 5/5/2004 | Sample assay | Swastika Laboratories | 4W-0864-RG1 | 6558 | $209.19 |
| 5/5/2004 | Sample assay | Swastika Laboratories | 4W-0839-RG1 | 6562 | $86.14 |
| 5/12/2004 | Sample assay | Swastika Laboratories | 4W-0763-RG1 | 6575 | $620.92 |
| | Sample assay | Swastika Laboratories | 4W-0897-RG1 | | |
| | Sample assay | Swastika Laboratories | 4W-0906-RG1 | | |
| 6/10/2004 | Sample assay | Swastika Laboratories | 4W-1144-RG1 | 6676 | $55.64 |
| 6/20/2004 | Sample assay | Swastika Laboratories | 4W-1071-RG1 | 6715 | $185.97 |
| | Sample assay | Swastika Laboratories | 4W-1139-RG1 | | |
| 6/24/2004 | Sample assay | Swastika Laboratories | 4W-1177-RG1 | 6748 | $104.11 |
| 7/4/2004 | Sample assay | Swastika Laboratories | 4W-1246-RG1 | | |
| | Sample assay | Swastika Laboratories | 4W-1288-RG1 | 6770 | $168.95 |
| 7/25/2004 | Sample assay | Swastika Laboratories | 4W-1309-RG1 | 6826 | $461.38 |
| 7/10/2004 | Sample assay | Swastika Laboratories | 4W-1308-RG1 | 6790 | $576.73 |
| 8/31/2004 | Sample assay | Swastika Laboratories | 4W-1864-RG1 | 6957 | $61.53 |
| 9/17/2004 | Sample assay | Swastika Laboratories | 4W-1984-RG1 | 6976 | $36.92 |
| 10/4/2004 | Sample assay | Swastika Laboratories | 4W-2235-RG1 | 7083 | $24.61 |
| 10/20/2004 | Sample assay | Swastika Laboratories | 4W-2277-RG1 | 7108 | $332.24 |
| | Sample assay | Swastika Laboratories | 4W-2361-RG1 | | |
| 10/21/2004 | Sample assay | Swastika Laboratories | 4W-1107/RG1 | 7141 | $28.89 |
| 10/27/2004 | NOT YET INVOICED | 13 samples | 4W-2382-RG1 | ESTIM. 13X12 | $156.00 |
| 11/3/2004 | | 8 samples | 4W-2453-RG1 | ESTIM. 8x12 | $96.00 |
| | | | | | $3,552.99 |

# Claim Maps

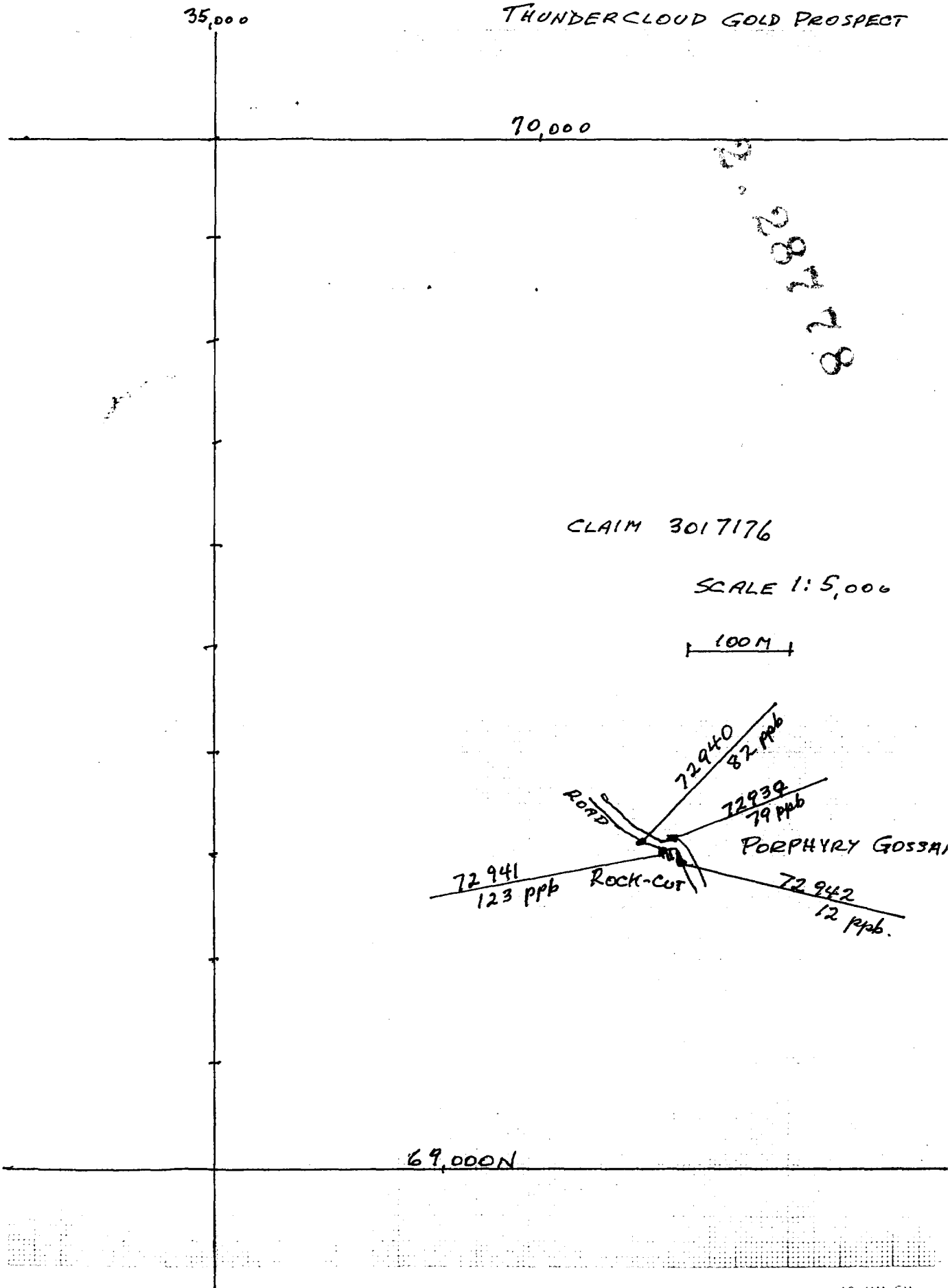



# Boyer Lake Area



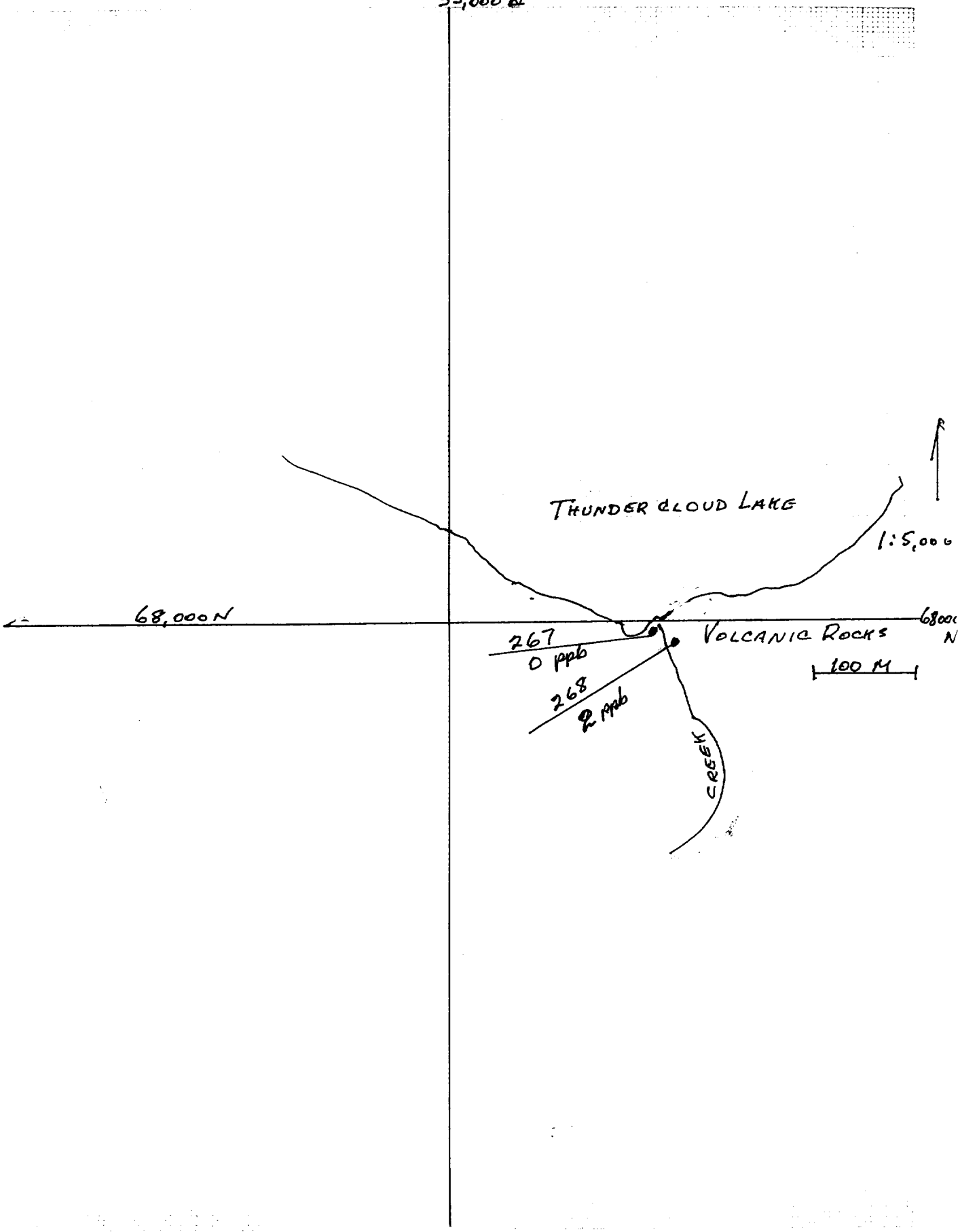

# Boyer Lake Area

# THUNDERCLOUD GOLD PROSPECT




10 MM CM

SAMPLE LOCATION THUNDERCLOUD GOLD PROSPECT



ONTARIO

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

# Work Report Summary

**Transaction No:** W0410.01786 **Status:** APPROVED
**Recording Date:** 2004-NOV-12 **Work Done from:** 2003-OCT-25
**Approval Date:** 2004-NOV-25 **to:** 2004-AUG-05

**Client(s):**

137014 GLATZ, ALEXANDER
187550 RIIVES, IVAR JOSEPH

**Survey Type(s):**

PROSP

**Work Report Details:**

| Claim# | Perform | Perform Approve | Applied | Applied Approve | Assign | Assign Approve | Reserve | Reserve Approve | Due Date |
|---|---|---|---|---|---|---|---|---|---|
| K 3007106 | $165 | $165 | $165 | $165 | $0 | 0 | $0 | $0 | 2006-APR-19 |
| K 3017176 | $243 | $243 | $243 | $243 | $0 | 0 | $0 | $0 | 2006-AUG-26 |
| | $408 | $408 | $408 | $408 | $0 | $0 | $0 | $0 | |

**External Credits:** $0

**Reserve:**

$0 Reserve of Work Report#: W0410.01786

$0 Total Remaining

Status of claim is based on information currently on record.

52F07NE2015 2.28778 BOYER LAKE 900

# Work Report Summary

**Transaction No:** W0410.01787 **Status:** APPROVED
**Recording Date:** 2004-NOV-12 **Work Done from:** 2003-OCT-25
**Approval Date:** 2004-NOV-25 **to:** 2004-NOV-03

**Client(s):**

137014 GLATZ, ALEXANDER
187550 RIIVES, IVAR JOSEPH
393404 KOZOWY, ROY EDWARD

**Survey Type(s):**

ASSAY PROSP

**Work Report Details:**

| Claim# | Perform | Perform Approve | Applied | Applied Approve | Assign | Assign Approve | Reserve | Reserve Approve | Due Date |
|---|---|---|---|---|---|---|---|---|---|
| K 3004186 | $7,372 | $7,372 | $7,372 | $7,372 | $0 | 0 | $0 | $0 | 2008-FEB-17 |
| K 3005223 | $4,423 | $4,423 | $4,423 | $4,423 | $0 | 0 | $0 | $0 | 2006-NOV-17 |
| K 3007106 | $1,309 | $1,309 | $1,309 | $1,309 | $0 | 0 | $0 | $0 | 2006-APR-19 |
| K 3017176 | $1,231 | $1,231 | $1,231 | $1,231 | $0 | 0 | $0 | $0 | 2006-AUG-26 |
| | $14,335 | $14,335 | $14,335 | $14,335 | $0 | $0 | $0 | $0 | |

**External Credits:** $0

**Reserve:**

$0 Reserve of Work Report#: W0410.01787

$0 Total Remaining

Status of claim is based on information currently on record.

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

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

Date: 2004-NOV-26

ALEXANDER GLATZ
BOX 1253
15 PARK CRESCENT
DRYDEN, ONTARIO
P8N 1T7 CANADA

**Submission Number:** 2.28778
**Transaction Number(s):** W0410.01786
W0410.01787

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron C Gashinski.

Ron C. Gashinski
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Alexander Glatz
(Claim Holder)

Ivar Joseph Riives
(Claim Holder)

Assessment File Library

Alexander Glatz
(Assessment Office)

Roy Edward Kozowy
(Claim Holder)

ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

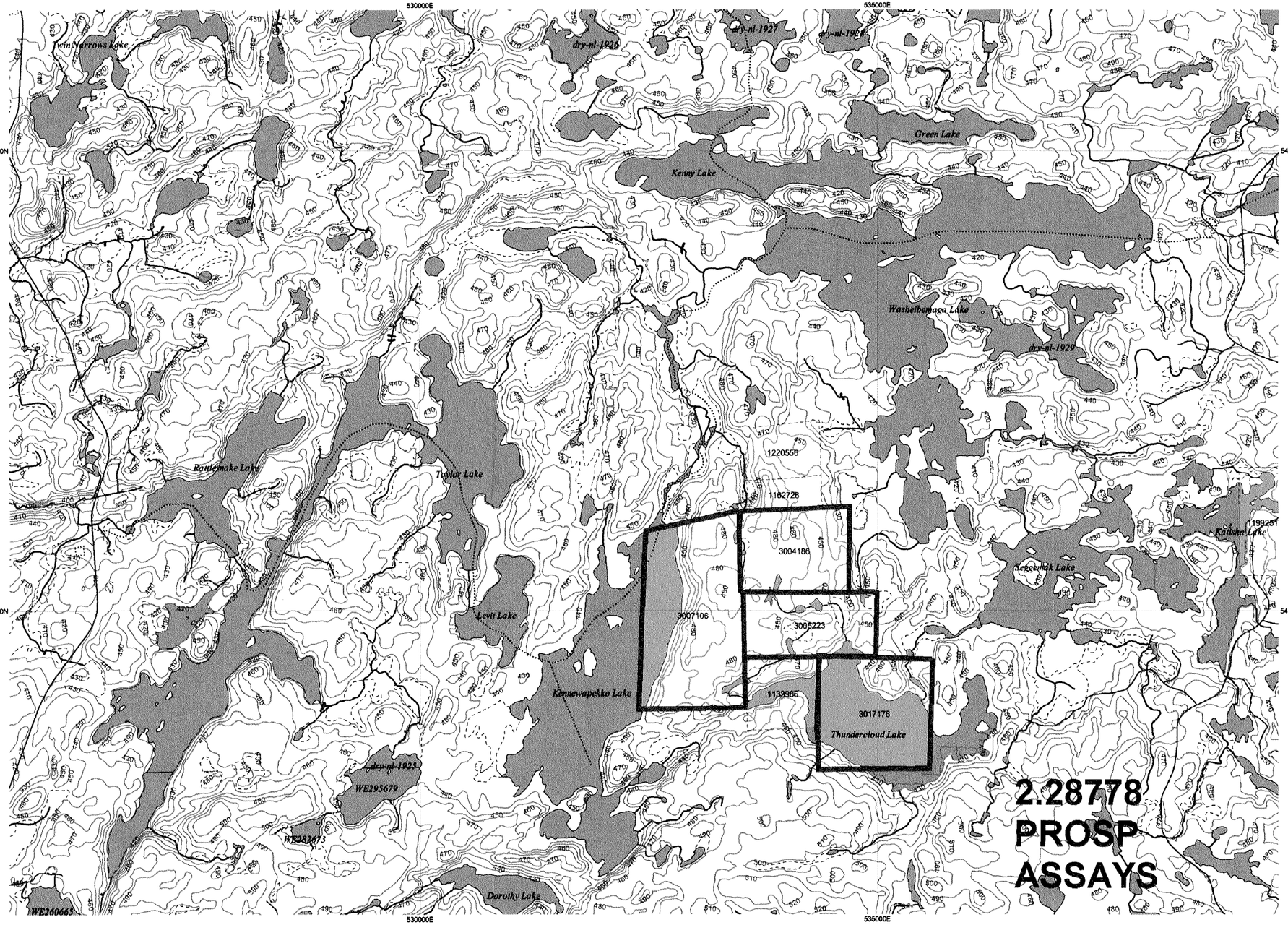
# Mining Land Tenure Map

Date / Time of Issue: Thu Dec 02 11:47:51 EST 2004

**TOWNSHIP / AREA** **PLAN**
**BOYER LAKE AREA** **G-2572**

## ADMINISTRATIVE DISTRICTS / DIVISIONS

| | |
|---|---|
| Mining Division | Kenora |
| Land Titles/Registry Division | KENORA |
| Ministry of Natural Resources District | DRYDEN |




UTM Zone 15
5000m grid

### TOPOGRAPHIC

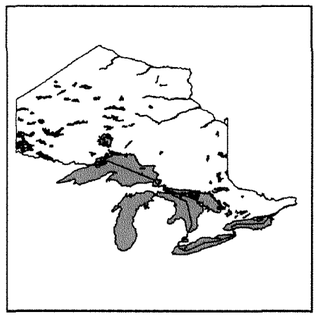
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

### Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- Mining Claim (1234567)
- Filed Only Mining Claims (1234567)



### LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

Nis IMPORTANT NOTICES

Scale 1:48844

900m 0m 2.7km

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information. determination purposes as the information nformation may also be obtained through the

The
Dev

downloading from the Ministry of Northern

### General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5779
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

52F07NE2015 2.28778 BOYER LAKE 200

33,000E 100 200 300 400 500 600 700 800 900 34,000E 100 200 300 400 500 600 700 800 900 35,000E 100

71,000N

CLAIM 3007106

CLAIM 3004186

CLAIM 3005223

CLAIM 3017176

P.#1 P.#4 P.#3 P.#2

LINE P.

BEAVER MEADOW POND

WETLAND

POND

JACKPINE BLOWDOWN

BLOWDOWN. JACKPINE

GRAVEL-TILL

SPRUCE

POPLAR

JACKPPINE

DEEP BOULDER TILL

LOW LAND

LOAM

SAND-LOAM

BOULDER TILL

BOG

ESKER, BOULDER TRAIN

ATV TRAIL

OVER MATURE JACKPINE & POLAR

BLACK ASH CEDAR

LOGGING ROAD

JACKPINE

THUNDERCLOUD LAKE

JACKPINE DOWN WASHED

SPRUCE

POPLAR

2.28778

100 M

N

| Thundercloud Lake | Legend |
|---|---|
| Gold prospect | GEOLOGY |
| Scale: 1: 5,000 | 1 = conglomerate |
| GPS co-ordinates 100 metre grid NAD 83 | 2 = basalt |
| Map drawn by: Alex Glatz | 3 = breccia |
| | 4 = altered mafic volanic |
| Date: 4-Nov-04 | 5 = quartz porphyry |

52F07NE2015 2.28778 BOYER LAKE

210

33,000 E 100 200 300 400 500 600 700 800 900 34,000 100 200 300 400 500 600 700 800 900 35,000 100

71,000 N

P. #1 P. #4

3007106 3004186

BASELINE

T85 0 PPB AU P. #1

LINE Post

P#3

LINE C.L. P. #4

3005223

T37 -2 PPB AU T36 T105 T104 T48 T47 T99 T2 T1 T86 T87 T108 T107

POND POND POND POND

LINE Post 2 LINE Post

70,000 N

MARKED IN BLUE

B.L.

LINE #3 P. Post TAG 0 PPB AU

T38 T39

LINE Post #4P

CLAIM 3017176

CLAIM L.

THUNDERCLOUD LAKE

P. #2

P. #3

LINE P

69,000 N

68,000 N

2.28778

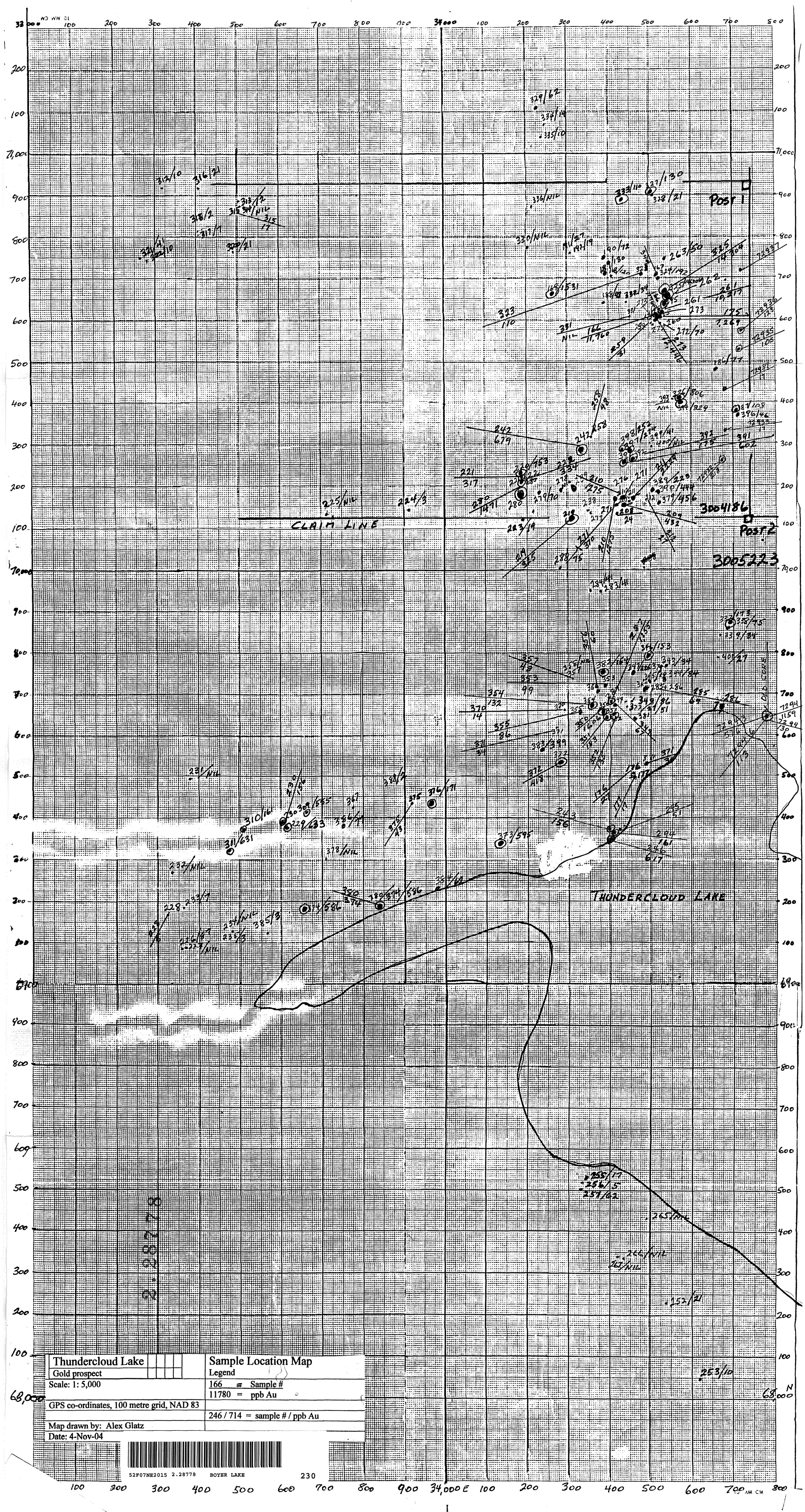
100 M

N

| | |
|---|---|
| Thundercloud Lake | Legend |
| Gold prospect | SOIL SAMPLING |
| Scale: 1: 5,000 | T1 TO T99 = HUMUS |
| GPS co-ordinates 100 metre grid NAD 83 | T101 TO T108 = "B" HORIZON SOIL |
| Map drawn by: Alex Glatz | |
| | T101 (PPB Au) |
| Date: 4-Nov-04 | |

52F07NE2015 2.28778 BOYER LAKE 220

33,000 E 100 200 300 400 500 600 700 800 900 34,000 100 200 300 400 500 600 700 800 900 35,000


CLAIM LINE
POST 1
POST 2
3004186
3005223
THUNDERCLOUD LAKE
Thundercloud Lake
Gold prospect
Scale: 1: 5,000
GPS co-ordinates, 100 metre grid, NAD 83
Map drawn by: Alex Glatz
Date: 4-Nov-04
Sample Location Map
Legend
166 = Sample #
11780 = ppb Au
246 / 714 = sample # / ppb Au
52F07NE2015 2.28778 BOYER LAKE
230