## STRIPPING AND TRENCHING REPORT ON THE DIXIE LAKE PROPERTY

By Larry Herbert and A. P. Pryslak

## November 12, 2010



A group of 20 claims located in the Dixie Lake area of Red Lake, were staked in December, 2008 by Larry Herbert of Red Lake, Ontario. The Group comprises of 279 claim units and is illustrated in Figure 1. The property is located between Dixie Lake to the west and the north end of Pakwash Lake to the east.

Access to the property is by means of the resource road locally known as the Dixie Lake Road (DLR). The first junction with HWY. 105 is at kilometer 16 south from the settlement of Red Lake. The 50 kilometre Dixie Lake Road loops around and comes back to HWY.105 at kilometre 32. Access to the west portion of the claim block is by a secondary road that leaves the DLR at kilometer 25 and extends for approximately 9 kilometres to the NNE, where the main areas of stripping were carried out. The east side of the property is accessed by a secondary road that leaves the DLR, previously known as the Tote Lake Road, at kilometer 8 and continues for 3.5 kilometres to the west. These roads are illustrated in Figure 2.

Geological data for this property is limited as bedrock exposure is >1%. MNDM map P.3301 by T. L. Muir, titled "The Precambrian Geology of the Dixie Lake Area (East sheet)", shows the area between Hiewall Lake and Tote Road Lake to be unmapped. The 1991-92 mapping was limited when a blowdown in 1991 made access in the woods extremely difficult and unsafe. Prospecting by Herbert in the fall of 2008 in clear-cutareas,lead to the discovery of altered mafic volcanic rocks on claim 4241241. After staking the property in December of 2008, Herbert commenced with a stripping program that carried on intermittently through 2009 and 2010. The initial stripped area (G-1) uncovered some mineralized cherty rhyolite tuffs that were examined and sampled by C. Storey of the MNDM office in Red Lake. One sample assayed up to 0.5% Cu. The stripping program continued through the 2009 season on claim 4241241 and Claim 4241248, located approximately 3.0 kliometres to the east. Commencing March 3, 2010, stripping was expanded onto other claims, 4229755, 4229750 and 4241246. A series of quartz veins up to 1.0 metre in width,were uncovered, generally mineralized with minor chalcopyrite and representing a variety of tectonic settings. The highest gold assay was 300/370ppb from strip area F-2.

A.P. Pryslak visited the property in the period of August 8-14, 2010 and again for a single day of September 19, 2010. All of the stripped areas were located by GPS (NAD 83 co-ords), boundary limits were either chained in to a GPS data point or the larger areas were surveyed in by GPS. The mapping and measurements were done at a scale of 1:500 but because of the extent of the stripped areas, the figures showing this information were reduced to 1:1000 for this report. Figures 3 and 4 show the strip areas for the west and east portions of the property, respectively. Figures 5 and 6 show the geological unit and various symbols that are found in the detailed plans showing the areas stripped, geology, trench locations, assay sample location and drill roads on a NAD 83 Grid base map. The strip areas are labeled "A" to "J", inclusive (see Figures 7-16, incl.). These areas are not in chronological order, but do adhere to claim boundaries. The stripping and blasting were done in the time span of May 15 to November 27 of 2008 and March 3 to October 20 of 2010. There are additional stripped areas that were completed in an attempt to follow a carbonated shear or a quartz veined mafic dike, but failed to reach bedrock. These areas were filled back in and were not logged or measured as part of the program.

The following section of the report describes the specific activities for each claim, results and interpretations. The expenditures are listed in the next section of the report.

## ACTIVITIES ON CLAIM 4229755

-This claim contains STRIP AREAS -A, B and C, each area contains a number of individual strippings.

-STRIP AREA A-1, A-2 and A-3 were excavated by backhoe and cover an area of approximately 340 square metres. The purpose was to locate chalcopyrite bearing quartz veins, similar to those located in area "D" to the east. A pod of quartz up to 30 cm wide was discovered in strip A-2, but it is of the bully variety and was not sampled. Strip A-1 uncovered a granodiorite dike up to 2m wide and trending at 60 degrees. It is barren of veins or sulphides. Strip A-4 is 25X7 metres (175 sq. m.) and 2.5-3.0 m deep in an area of clay cover. Two glacial polished bedrock exposures of a moderately silicified mafic volcanics, also moderately tectonized , are exposed in the bottom if this stripping. Sampling of this bedrock is required, either by blasting or with a diamond saw. Manual washing of the bedrock surfaces was not carried out on any of these 4 areas.

-STRIP AREAS B-1, B-2 and B-3 measure 8X26, 20X28 and 8X24 metres, respectively, for a total of 992 square metres. Strips B-1 and B-2 are within a section of fine and coarse grained gabbro, moderately to intensely sheared, with associated biotite alteration. There are two sets of quartz veining; an east trending set that are bully and barren and a second set trending at 135 degrees, mineralized with spotty chalcopyrite and having a sugary texture. The wall rocks to this set of veins are laminated from high strain, indicating that the veins are re-crystallized. Assaying of both of these vein types shows them to be barren of gold.

-STRIP B-3 was done to examine the contact between an outcop of pillowed basalt at the north end and the gabbro located in STRIPS B- 1 and B- 2. A band of chert-magnetite sediments were uncovered at the south end of this stripping. The I.F. is 3-4m wide, with the core section of 1m being brecciated and mineralized with disseminated to stringer pyrite, forming 3-5% of this section. Assays are pending.

-STRIP AREA C comprises of a single stripped section measuring 70 metres in length and an average of 5m in width, for an approximate area of 350 square metres. The mafic lithologies are interpreted as being volcanic rather than gabbroic. They are intensely sheared with chlorite-biotite alteration. There are a number of barren, white quartz veins up to 40cm in with. Also, there is a 25cm shear near the south end of the bedrock that is mineralized with 15% reddish hematite. A grab sample

assayed 160 ppb Au. The section of the shear with only strong biotite and no hematite is barren of Au. A small pit was blasted into the hematitic shear, but the blast did not produce a good break.

All of the stripped areas in "B" and "C" were washed using a Wajax pump. This activity took 7 days or 14 man-days. Small pits were also blasted on the IF in B-3 and the hematitic shear in C. The drilling and blasting took 2 man-days.

## **ACTIVITIES ON CLAIM 4229750**

-A 300 metre long ridge of gabbro, flanked by mafic volcanic to the south was prospected in the spring of 2009. A series of foliation parallel quartz veins, varying from 10 to 40cm were discovered. These carry minor and erratic chalcopyrite and associated malachite and reddish stain. STRIP D-1 to 5, inclusive, were cleared (252 sq.m.) so that the extent of these veins could be determined. The assay results proved to be disappointing and these stripped areas were no washed.

STRIP AREAS D-8 and 9 were excavated and washed. The strips cover approximately 486 sq.m. with depths to 2.0 metres, all in clay material. The lithologies are dominantly mafic volcanic, intruded by minor gabbro dikes. The volcanics are strongly sheared with pronounced chlorite-biotite and minor carbonate alteration. Previous quartz veins are highly disrupted into breccia bands up to 0.5m in width. Minor pale pyrite is also present within these shear bands. Assay results reveal no gold.

STRIP AREAS D-6 and D-7 cover an area of 237sq.m. and were excavated with the backhoe following the propecting discovery of a 1-metre wide QV. The veins are in pillowed flows and can be traced over a 35m strike length. Two samples on this vein were nil in Au content.

-STRIP D-10 is the last excavation on this claim. It covers an area of 400 sq.m, with the south walls being 2.5m deep. The north portion of the strip is underlain by gabbro. The lithologies on the south portion are strongly sheared/tectonized and are of uncertain origin. Biotite alteration is moderate to strong and most of the quartz veins are brecciated. Minor pyrite occurs in the sheared section. Assaying for gold were not encouraging.

#### ACTIVITIES ON CLAIM 4241241

This claim holds the largest area to be stripped, G-1,at approximately 4500 square metres. It includes STRIP AREAS: E, F, G and H, that collectively (23 separate strippings) have an area of 14,214 square metres. The stripping and sampling program began on STRIP G-1 on May 15, 2009, and continued intermittently into November. Areas H and E also received some of the stripping in this time frame. The remainder of the stripping was conducted in the period of March 3 to October 20, 2010.

STRIP AREA "E": includes 6 separate strips, none of which received manual washing. Prospecting had shown the presence of feldspar porphyry and carb-altered gabbro dikes, both being hosts to irregular quartz-tourmaline veins. The east portion of this sheet is underlain by a mafic breccia lithology, unit 1c in the Legend. The clasts appear to be monolithic, but also are more akin to a pyroclastic deposit than a flow unit. The west portion of the sheet is underlain by pillowed flows. The gabbro dikes observed in STRIP AREAS E-3 and E-5 appear to be folded. They weather brown from the presence of strong pervasive ankerite and are host 5-10% qtz-tour veins, locally with 3-4% pyrite. The carb alteration is also present within distinct shears zone, varying from 0.5 to 2.0 metres in width, as displayed in Strip E-1. Primary bedding in this area is 045 degrees with steep NW dips. Foliation is well developed and trends at 70-80 degrees with steep NW dips. The feldspar porphyry dikes trend approximately E-W, intrude the gabbro dikes and also host the quartz-tourmaline veins. All assays were nil in Au content.

STRIP E-1, E- 2, E- 3 and E-4 were done with the Hitachi backhoe over a collective time of 20 hours. These areas, measure 20x55m (1100 sq.m.), 15x40m (600 sq.m.),8x105m (840 sq.m.), 7x8m (56 sq.m.) for a total of approximately 2596 square-metres. Strips E-5 and E-6 are very irregular and cover an area of 1200 square metres. The stripping was done with the D-7 CAT in a collective time of 18 hours.

STRIP AREA F lies southwest of AREA E and comprises of 8 separate strippings. F-1 is 7x55 m (385 sq.m.); F-2 is 15x70m (1050 sq.m.); F-3 is 10x28m (280 sq.m.); F-5 is 10x30m (300 sq. m.); F-6 is 8x30 m (240 sq.m.); F-7 is 20x42m (840 sq.m.) and F-8 is 10x20 m (200 sq.m.) for a stripping total of 3495 square metres. This work was carried out in the summer of 2010. All the work was with the Hitachi Backhoe. The accumulated time for the excavations was 60 hours. All strips were washed with the Wajax over an accumulated 8 day period (2 men). The strippings were done to expose a number of brown weathered mafic dikes, as in AREA"F", that locally have 5-10% quartz-tourmaline veins with 3-4% pyrite. The mineralization generally occurs near the vein contacts and extends into the gabbro. The contact between the main breccia unit and the pillowed flows, as described in the section above (Strip Area E) goes through Strip F-7. Two pits were blasted into the veined gabbro dikes in Strip F-2 and F-7. These are approximately 1X1.5X0.5 metres and 1X2.5X0.5 metres, respectively. One sample from the trench in F-2 returned 370ppb Au and a second 100 ppb Au. The pits required a total16 hours or 4 man-days to drill, blast and muck out.

STRIP AREA G: This area holds four separate areas with G-1 being the first area to be cleared within the time frame of May 15 to August 5, 2009. It covers an area of 60x75 metres (4500 sq.m.) and 112 hours of backhoe time, 16 hours of D-7 to push back the piles and 48 hours or 12 man-days to wash with the Wajax. Two man-days were spent drilling and blasting a trench in the sulphide zone. This trench measures 1X3X0.5 metres. The initial outcrop of approximately 2X4 metres was from the brecciated gabbro near the north central area of the stripping. The strong magnetic signature of this unit was noted and the early strippng revealed several east trending, south dipping quartz veins mineralized with chalcopyrite. The stripping continued to the east and uncovered a sequence of rhyolite tuffs mineralized with up to 10% pyrite and pyhotite. Personnel from MNDM's Resident Geologists office were brought out and advised Herbert of the base metal potential for this setting. Stripping continued to the south and east with removal of up to 3.5 metres of clay overburden. Some of the walls have given way to recovering previously exposed areas by the time this co-author visited the property in August, 2010 for the purpose of mapping and measuring.

A massive rhyolite-looking quartz-porphyry occurs in the extreme southeast portion of STRIP G-1 and continues east for at least 100 metres into STRIPS G-2, G-3 and G-4. This unit is very massive in appearance and is interpreted as being intrusive , not extrusive, but syn-volcanic, much as the QFP at the South Bay Mine.

One of the samples collected by Storey from the MNDM office assayed 0.5% Cu. The Cu-Zn values from the sulphide zone are low but they are anomalous. The Ba content is also anomalous. A rare earth analysis is being carried out by Storey of the MNDM to see if this falls in the F-III class of rhyolite.

STRIP AREA H: this area includes 4 small strippings located immediately to the west of AREA G. STRIP H-1 and H-2 are 8x16 and 15x30 metres, respectively. They were excavated with the backhoe in one and one-half days (12 hrs.). The bedrock surfaces are quite steep with the lower sections of the strips being 1.5-2.0 m deep. The main bedrock lithology is pillowed flows with minor late quartz veining. Both strips were washed with the Wajax (8 hours). Strips H-3 and H-4, measure 7x60 and 4x6 metres and were done by D-7 in one shift of 10 hours. The south end of H-3 was cleaned out with the excavator in about 1 hour. A 1-2 metre wide gabbro dike arcs around STRIP G-3. It is heavily carbonated, but lacks the quartz-tourmaline veins. A fine grained granite dike cuts across the north end of this strip. 3 samples of qtz-tour. Veins were assayed but with negative results.

## CLAIM 4241246:

A single stripped area was completed on this claim, labeled as STRIP I-1. The Hitachi backhoe was mobbed out in May/2010, following the prospecting discovery of a small outcrop of conglomerate located adjacent to an old logging road. The stripping is approximately 140m long in the NW direction, near normal to the fabric of the bedrock and varies from 8 to 40 metres in width. A series of folded quartz veins are exposed, varying from 1-20cm in width. They are mineralized with minor pyrite and 5% tourmaline. A total of 4 samples were collected and assayed. The results were negative. It was noted the intensity of shearing increases towards the NW, along with chlorite, sericite, pervasive carb alteration and pyrite content. However, the NW end of the strip is below the water table and is flooded.

#### CLAIM 4241248:

Three small areas labeled J-1, J-2 and J-3 were stripped over an area of approximately 110x20 metres. This is the only local where the material removed was not clay, but was a fine well sorted sand. The bedrock is a heterolithic pebble to cobble conglomerate, interbedded with minor sandstone. Shearing is moderately developed with bedding striking at 80 degrees and foliation at 60 degrees. The dips for both fabrics are steeply north. A 0.75m wide gabbro dike occurs in STRP J-2. It carries 10% quartz- tourmaline veins and abundant pervasive ankerite. It was not sampled. A strongly silicified, mylonitic shear was observed in STRIP J-3. It is about 3-4 metres wide and lacks any sulphide content, but should be sampled for gold.

## **APPENDIX OF FIGURES**

Figure 1. Claim block area

Figure 2. Location and access of the Dixie property

Figure 3. Location of STRIP AREAS "A" to "H", inclusive

Figure 4. Location of STRIP AREAS "I" and "J"

Figure 5. Geological Legend

Figure 6 Symbol Legend

Figure 7. STRIP AREA "A", detail

Figure 8. STRIP AREA "B", detail

Figure 9. STRIP AREA "C", detail

Figure 10. STRIP AREA "D", detail

Figure 11. STRIP AREA "E", detail

Figure 12. STRIP AREA "F", detail

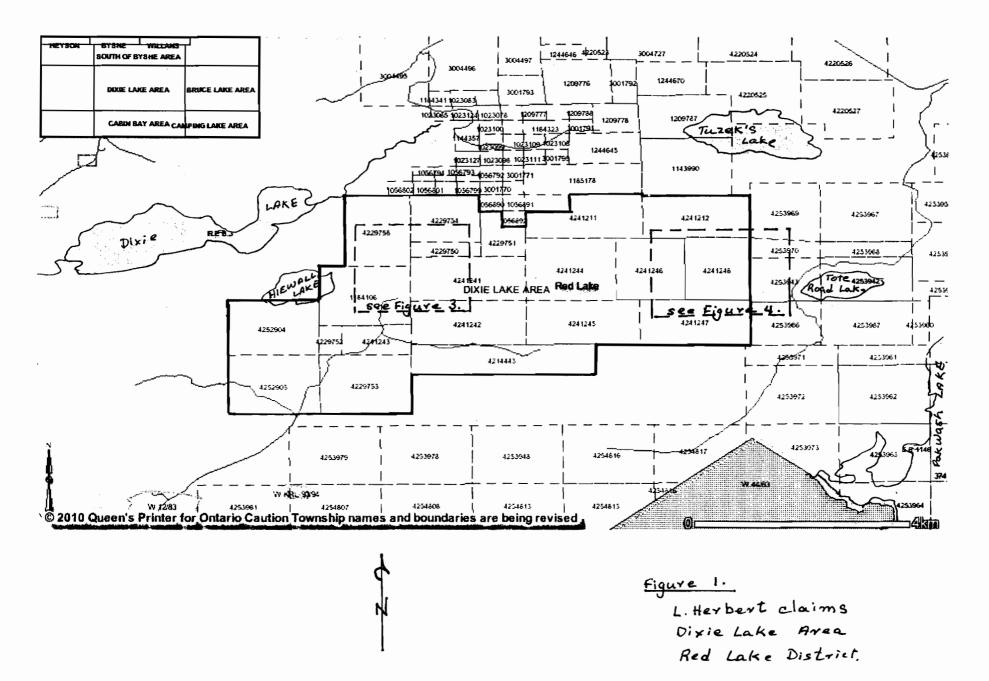
Figure 13. STRIP AREA "G", detail

Figure 14, STRIP AREA "H", detail

Figure 15, STRIP AREA "I", detail

Figure 16, STRIP AREA "J", detail

## ArcIMS Viewer



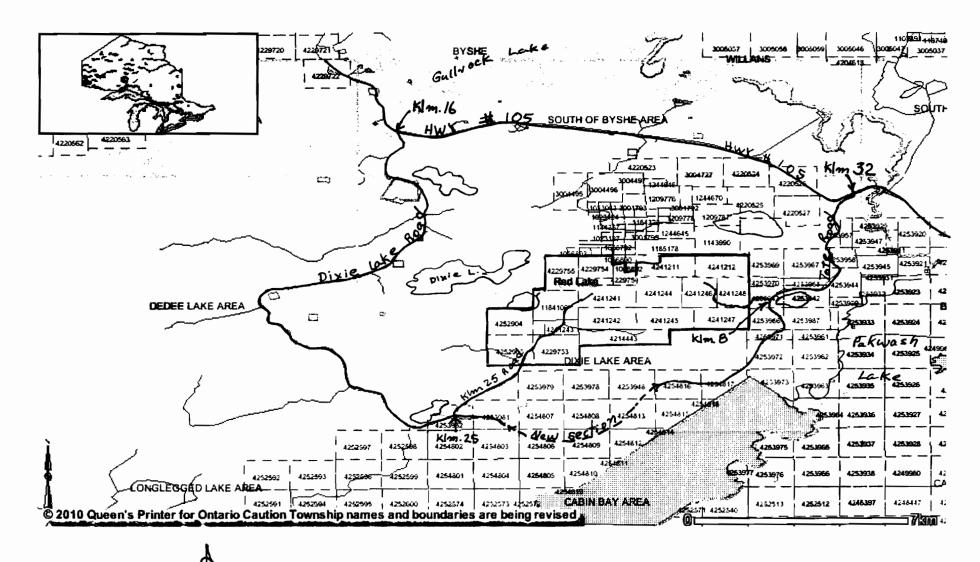
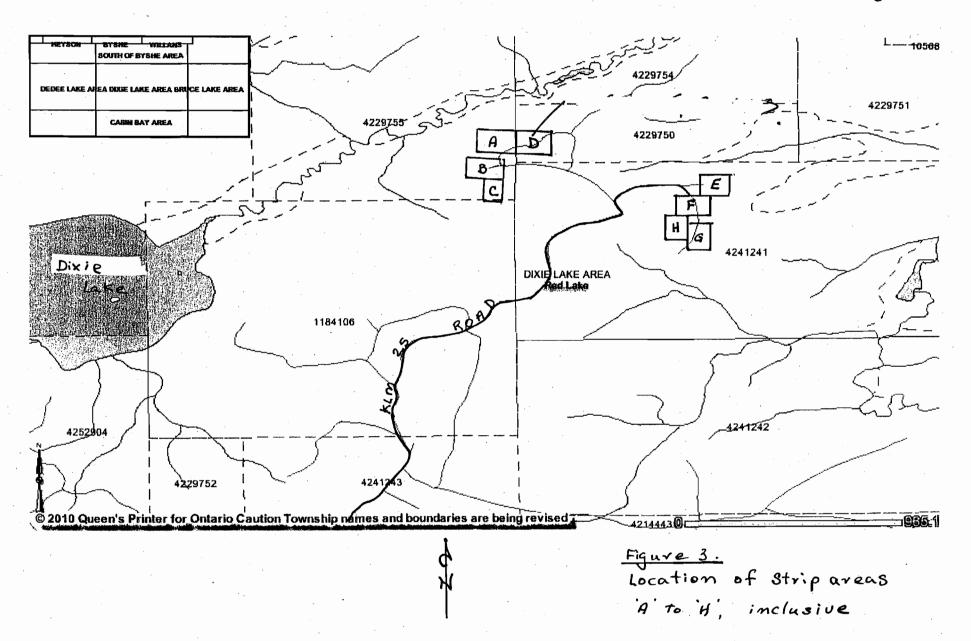


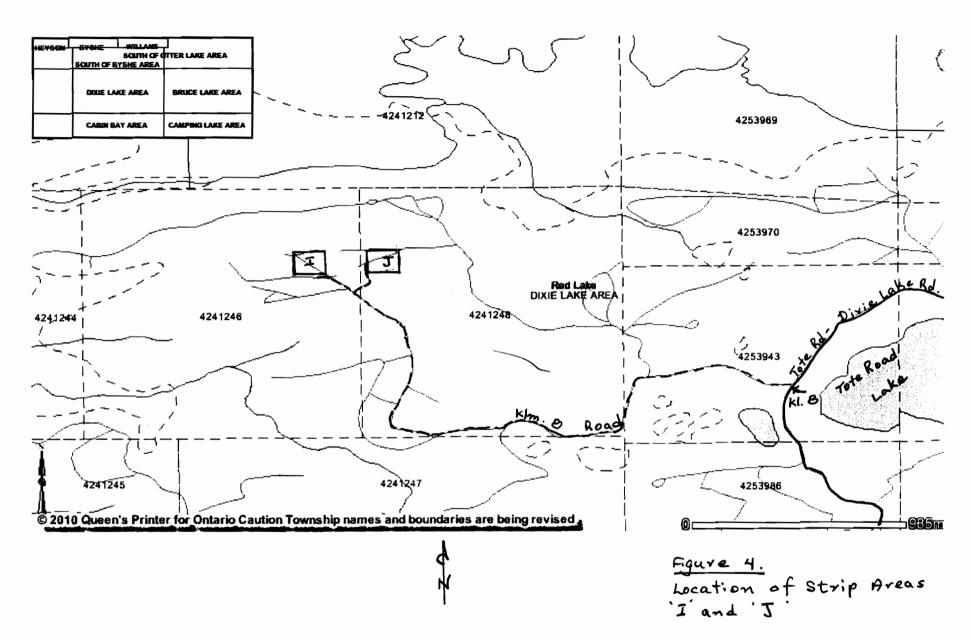
Figure 2. Access & Location L. Herbert claims Dixie Lake Area

11/4/2010

# ArcIMS Viewer

# Page 1 of 2

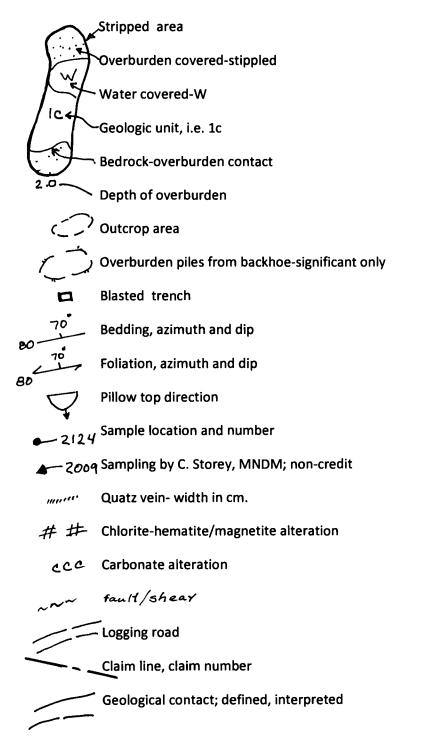




## Figure 5: GEOLOGICAL LEGEND

- 8. FELSIC INTRUSIVES
  - a. Fine grained dikes
  - b. Granodiorite
- 7. MAFIC INTRUSIVES
  - a. Gabbro, fine grained
  - b. Gabbro, coarse grained
- 6. SUBVOLCANIC INTRUSIVES
  - a. Quartz porphyry
  - b. Quartz-feldspar porphyry
- 5. CLASTIC METASEDIMENTS
  - a. Argillite
  - b. Wacke-sandstone
  - c. Conglomerate, heterolthic
- 4. CHEMICAL METASEDIMENTS
  - a. Chert-magnetite/hematite (oxide facies)
  - b. Chert-sulphide (sulphide facies)
- 3. FELSIC VOLCANICS
  - a. Massive flows, tuffs
  - b. Tuffs, layered
- 2. INTERMEDIATE VOLCANICS
  - a. Massive flows
  - b. Tuffs, layered
- 1. MAFIC VOLCANICS
  - a. Massive flows
  - b. Pillowed flows
  - c. Breccia units, low to pyroclastic?
  - d. Medium to coarse grained flows or gabbro
  - e. Strongly tectonized mafic units

## Figure 6: SYMBOL LEGEND



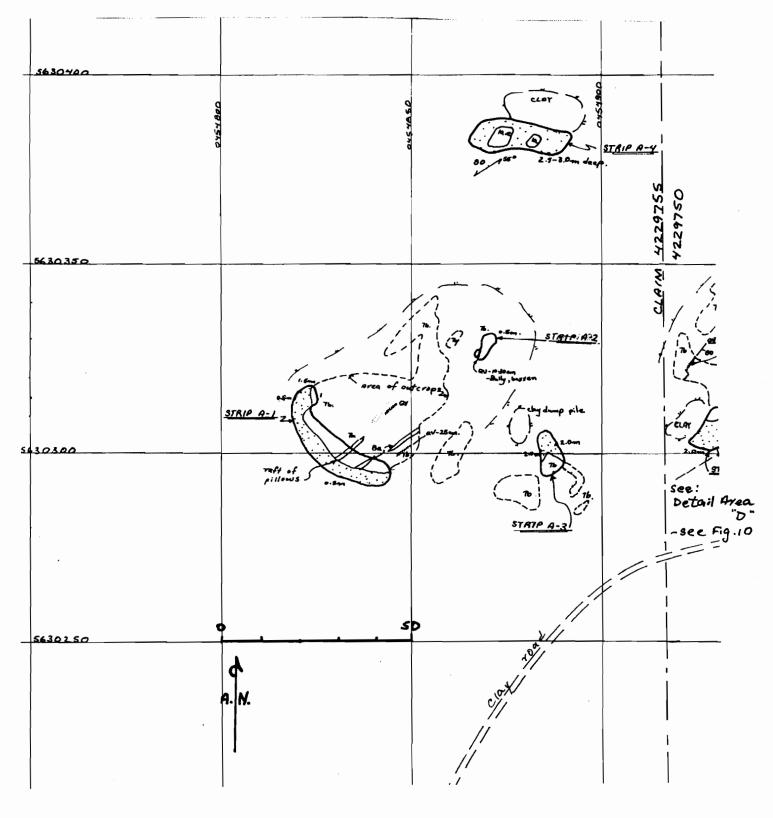
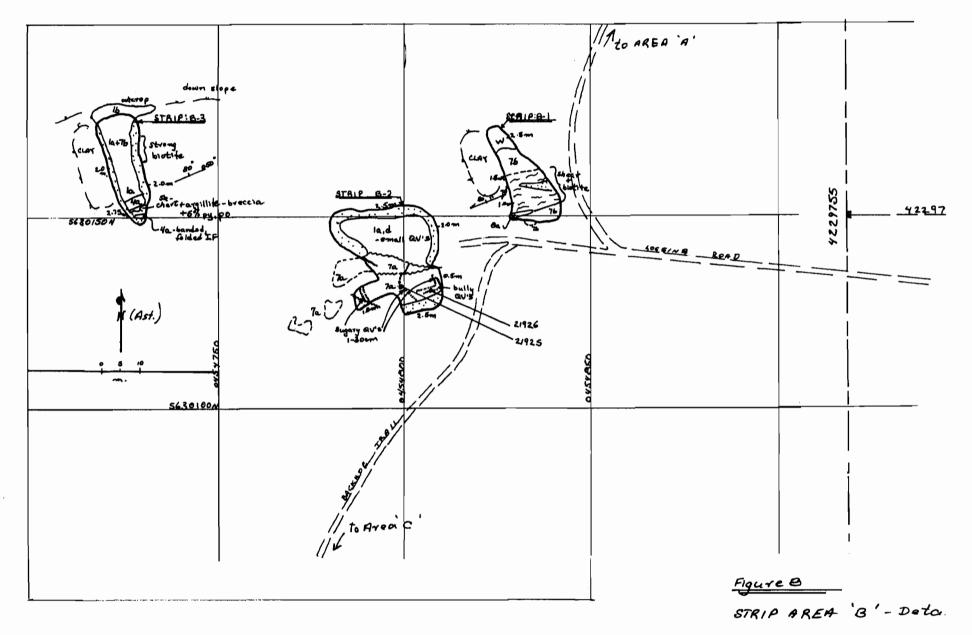
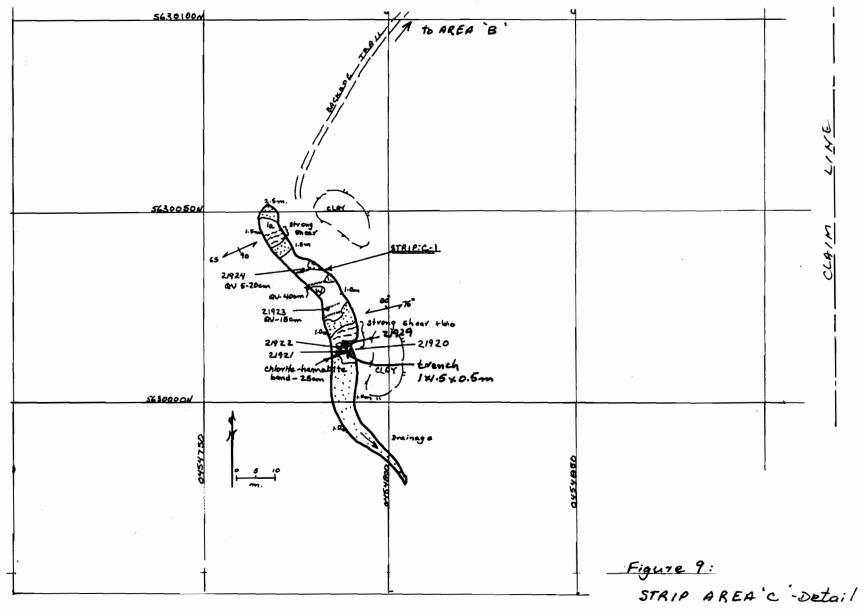


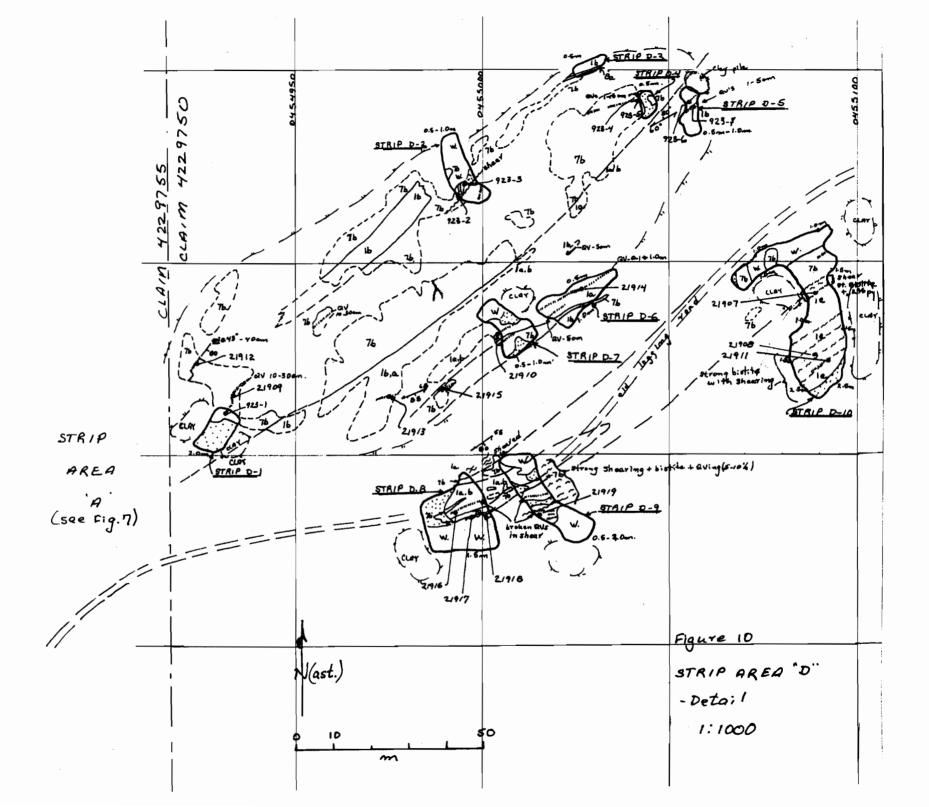
Figure 7-Strip Area 'A '-detail 1:1000

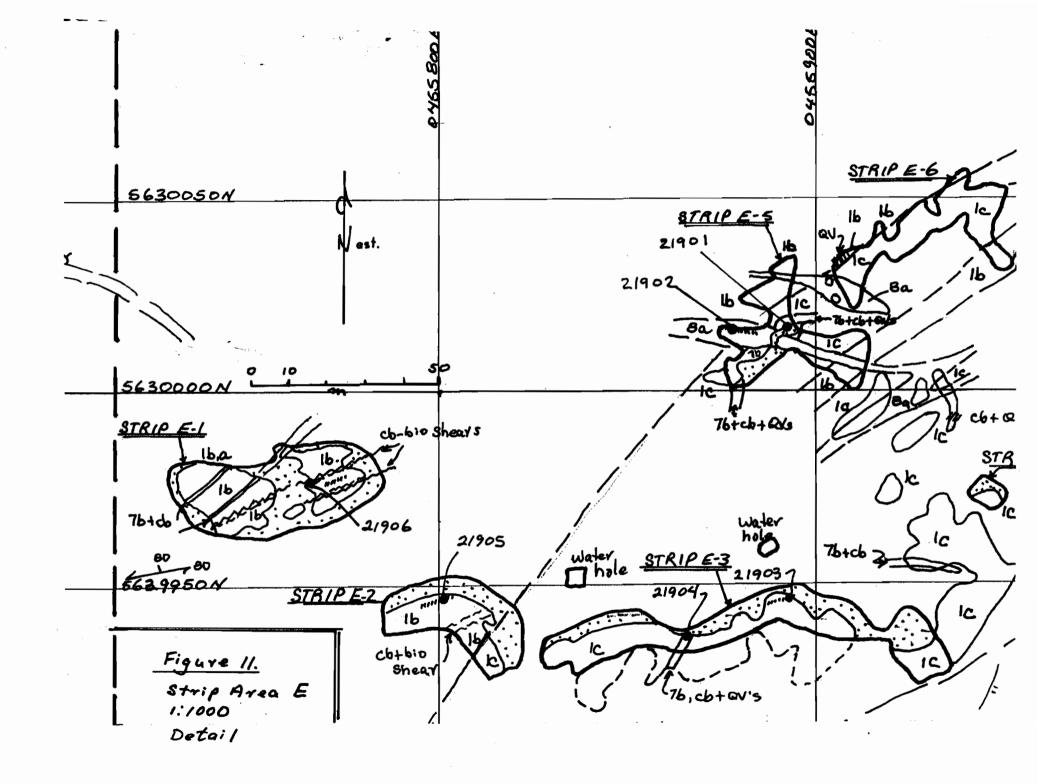


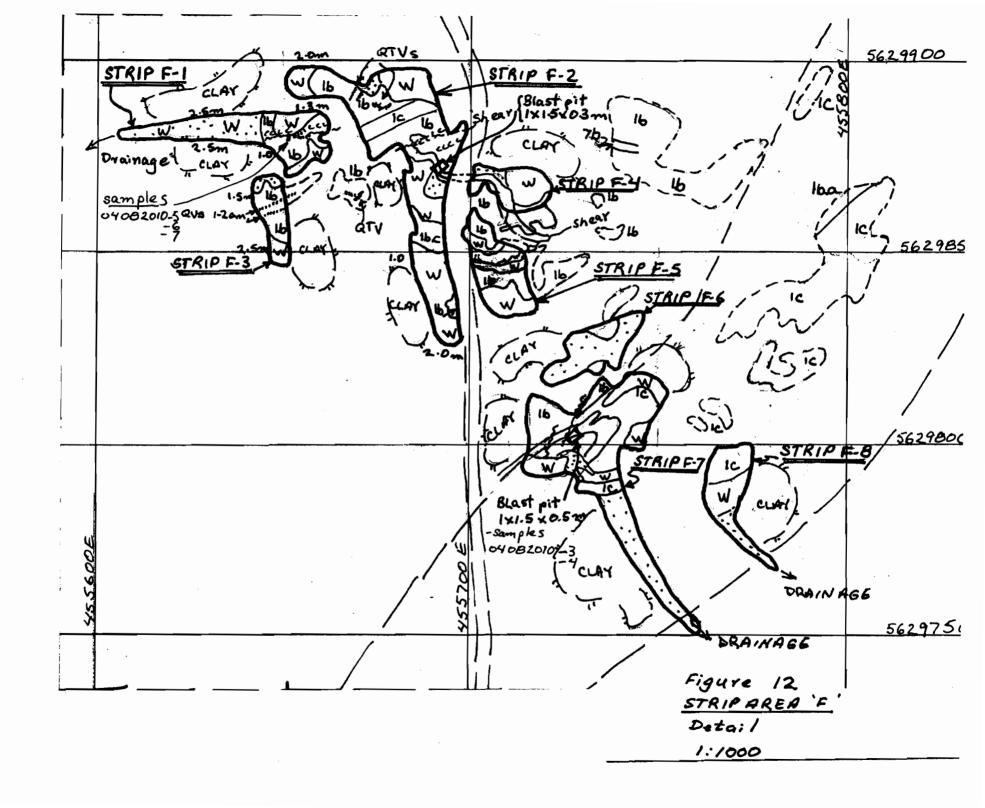
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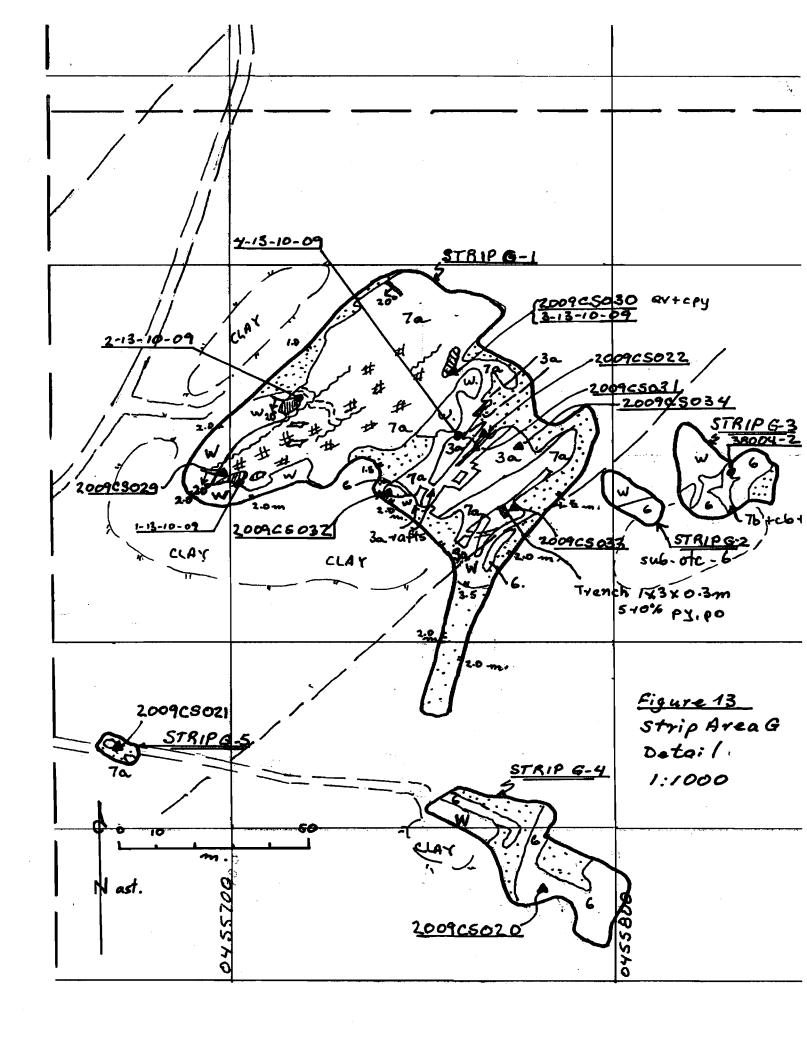


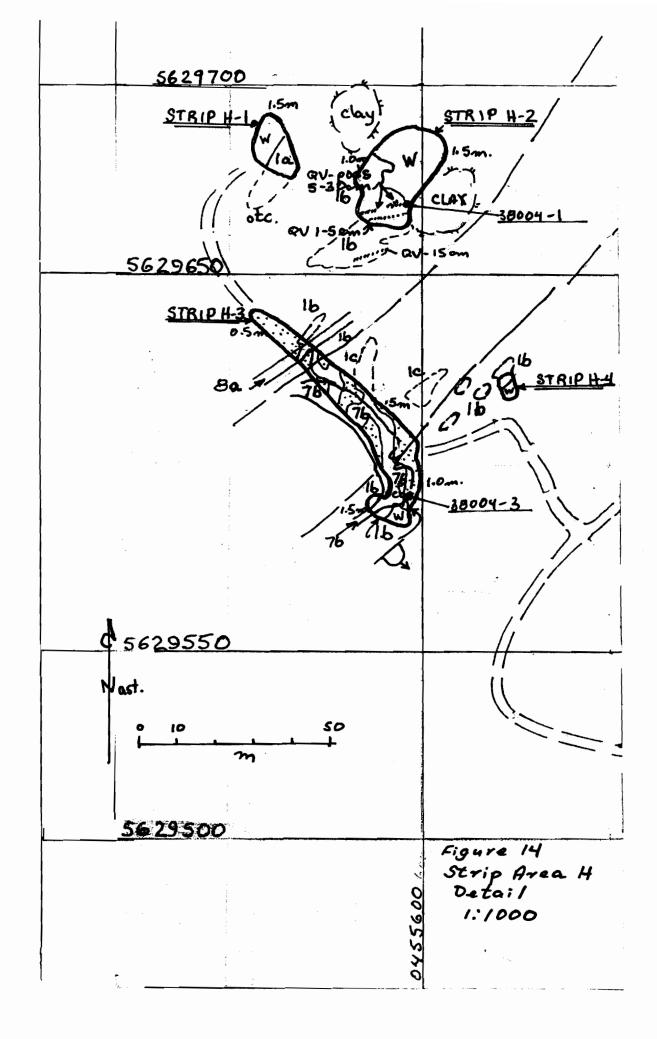
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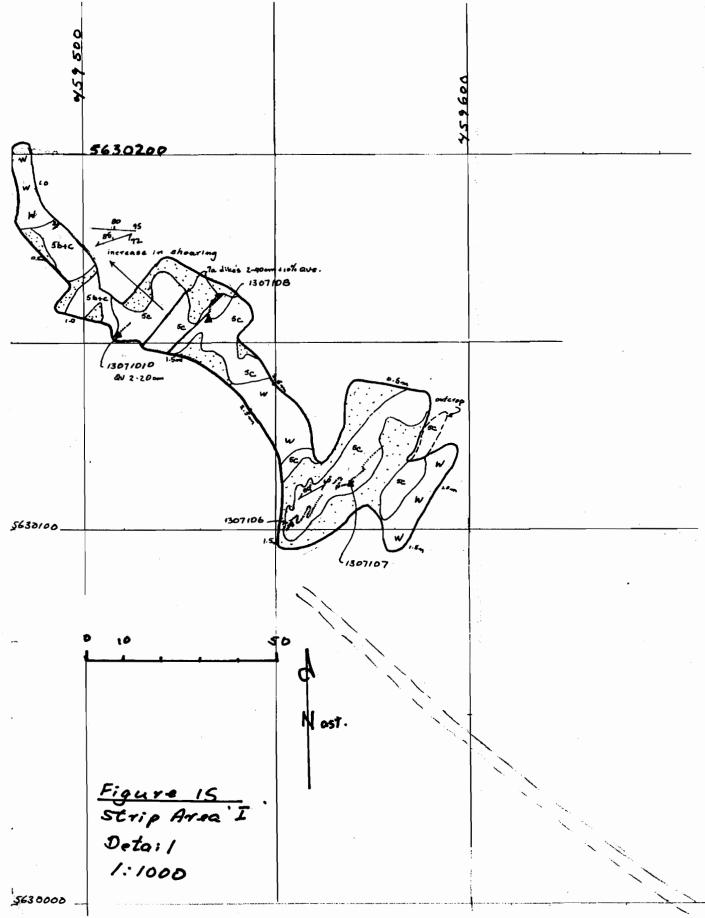


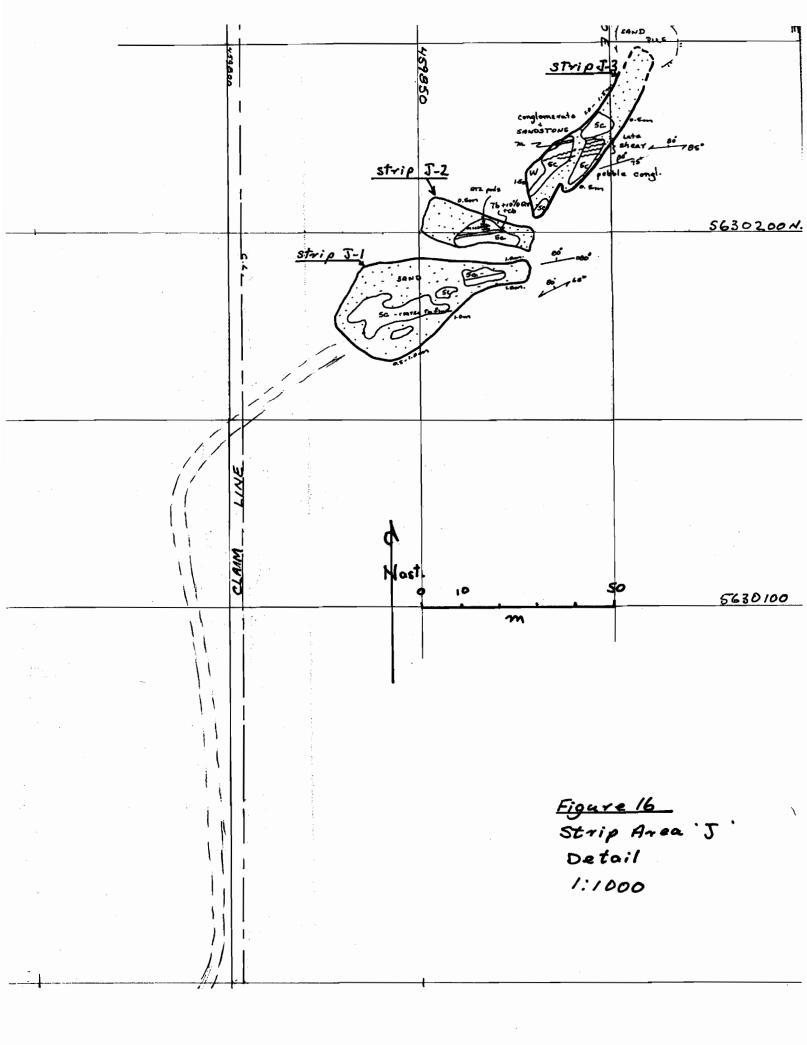












## **APPENDIX: SUMMARY OF EXPLORATION ACTIVITIES AND EXPENDITURES**

Equipment owned and used for the stripping program by L. Herbert of Red Lake, Ontario

Backhoe, Hitachi EX-270 @ \$145/hour; includes labor, fuel

Dozzer: CAT D-7 @ \$145/ hour; included labor, fuel

Float for mob-demob of the excavators at \$115/ hour

Wajax Mark III pump and hose line at \$100/day

Plugger and steel at \$75/day

SGS assays for Au only, \$32/ sample

SGS assays for Au + ICP @ \$44/ sample

Dynamite @ \$550/ case

Pickup travel @ \$0.55/ kilometer; 110 klm round trip to west portion of claims

88klm round trip to the east claims; 4241248, 4241246

Labor rate @ \$160/day: Nathan Melansen, Red Lake

Kyle Melanson, Red Lake

Larry Herbert, Red Lake

Backhoe, Dozzer operators: Lyle Rolstein, Red Lake

Chris Rolstein, Red Lake

Larry Herbert, Red Lake NATHAN HERBERT REDLAKE Mapping, A. P. Pryslak, 15 Hunterpoint Road, Winnipeg, Man. @ \$500/day

Claims with stripping activity: 4229755, 4229750, 4241241, 424124, 4241248

Total expenditures: \$95,394.00

CLAIM 4229755: Exploration activities and expenditures

| Strip Area | Dimensions-m E | Backhoe hours CAT D-7-hrs | Manual-hrs/men | Trenching-hrs | Samples-assayed | Truck trip | )S |
|------------|----------------|---------------------------|----------------|---------------|-----------------|------------|----|
| A-1        | 30X8=240       | 3.5 nil                   | nil            | nil           | nil             |            |    |
| A-2        | 5X8=40         | 1 nil                     | nil            | nil           | nil             |            |    |
| A-3        | 5X12=60        | 2.5 nil                   | nil            | nil           | nil             |            | 1  |
| A-4        | 7X25=175       | 5 nil                     | nil            | nil           | nil             |            | 1  |
| B-1        | 8X26=208       | 6 nil                     | 4X2=8          | nil           | nil             |            | 1  |
| B-2        | 20X28=560      | 20 nil                    | 16X2=32        | 8X2=16        |                 | 4          | 4  |
| B-3        | 8X28=224       | 8 nil                     | 12X2=24        | 6X2=12        | nil             |            | 2  |
| С          | 5X70=350       | 14 nil                    | 16X2=32        | 6X2=12        |                 | 6          | 4  |
| Totals     | 1857           | 60 nil                    | 96h or 12 day  | 40 or 5d      | 1               | 0          | 13 |

Expenditure: backhoe: 60h@\$145/h=\$8,700.00 manual: 12d@\$160/d=\$1920.00 trenching: 5d@\$160/d= \$800.00 Assaying: 10@\$32= \$320.00 Field+report: 2d@\$500/d= \$1000.00 Plugger: 5d @\$75/d= \$375.00 Wajax: 12d @\$100/d=\$1200.00 Dynomite at \$550/case= \$50.00

Total CLAIM 4229755: \$14,365.00

## CLAIM 4229750: Exploration activity and expenditures

|             |             |                            | Manua    | l- trencl | ning- samp | oles-    |       |
|-------------|-------------|----------------------------|----------|-----------|------------|----------|-------|
| STRIP AREA  | Dimension-m | Backhoe -hrs. CAT D-7 hrs. | hrs/ma   | an man-l  | nrs. assay | ed truck | trips |
| D-1         | 7X12= 84    | 6                          | כ        | 4         | 0          | 3        | 2     |
| D-2         | 5X18= 90    | 6                          | 0        | 0         | 0          | . 2      | 1     |
| D-3         | 3X8= 24     | 2                          | 0        | 0         | 0          | 0        |       |
| D-4         | 3X6= 24     | 2                          | C        | 0         | 0          | 2        |       |
| D-5         | 3X12= 36    | 3                          | C        | 0         | 0          | 2        | 1     |
| D-6         | 6X22= 132   | 4                          | C        | 0         | 0          | 1        | 1     |
| D- <b>7</b> | 7X15= 105   | 4                          | C        | 0         | 0          | 2        | 1     |
| D-8         | 17X18= 306  | 8 (                        | 0 8/2=16 | 5         | 0          | 3        | 2     |
| D-9         | 6X30= 180   | 8                          | 0 8/2=16 | 5         | 0          | 1        | 2     |
| D-10        | 10X40= 400  | .8                         | 0 8/2=16 | 5         | 0          | 3        | 2     |
| TOTALS      | 1351 sq.m.  | 51 (                       | ) 6 man, | /days     | 0          | 19       | 12    |

Expenditure: Backhoe: 51h@\$145/h= \$7395.00 Manual: 6 man/days@\$160/d= \$960.00 Assays: 12@\$32/sample= \$384.00 Wajax: 3 days@ \$100/d= \$300.00 Field mapping,report: 2d @\$500/d=\$1000.00 Plugger, 1 day@\$50/d = \$50.00 Dynamite @%550/case= \$150.00

TOTAL FOR CLAIM 4229750 = \$10,239.00

## CLAIM 4241241: Exploration activity and expenditures

|                   | Dimension-m  | Backhoe -hrs. C/ | Manual-<br>AT D-7 hrs. hrs/man | trenc<br>man- | 김 씨는 것이 아파 가지 않다. |     | tring |
|-------------------|--------------|------------------|--------------------------------|---------------|-------------------|-----|-------|
| STRIP AREA<br>E-1 | 20x55= 1100  | Backnoe -nrs. C  | 0                              | 0             | 0<br>0            | 1   | 1     |
| E-1<br>E-2        | 15x40= 600   | 6                | õ                              | 0             | 0                 | 1   | 1     |
| E-2<br>E-3        | 8x105= 840   | 8                | 0                              | 0             | 0                 | 1   | 1     |
| E-3<br>E-4        | 7x8= 56      | 0                | 2                              | 0             | 0                 | 0   | 1     |
| E-4<br>E-5        | 20x35= 700   | 0                | 6                              | 0             | 0                 | 2   | 1     |
| E-5<br>E-6        | 10x50= 500   | 0                | 6                              | 0             | 0                 | 0   | 0     |
| F-1               | 7x55= 385    | 8                | 0 8x2=16                       |               | 0                 | 2   | 2     |
| F-2               | 15x70= 1050  | 16               | 0 16x2=32                      | 4x2=          | 8                 | 2   | 5     |
| F-3               | 10x28= 280   | 3                | 0 4x2= 8                       |               | 0                 | 0   | 1     |
| F-4               | 10x20= 200   | 4                | 0 4x2=8                        |               | 0                 | 2   | 1     |
| F-5               | 10x30= 300   | 5                | 0 4x2= 8                       |               | 0                 | 0   | 1     |
| F-6               | 8x30= 240    | 4                | 0 4x2=8                        |               | 0                 | 2   | 1     |
| F-7               | 20x42= 840   | 16               | 0 16x2=32                      | 8x2=          | 16                | 2   | 5     |
| F-8               | 10x20= 200   | 4                | 0 4x2=8                        |               | 0                 | 0   | 1     |
|                   | •            |                  |                                |               |                   |     |       |
| G-1               | 60x75= 4500  | 112              | 16 48x2= 96                    | 5 8x2=        | 16                | 11  | 23    |
| G-2               | 6x20= 120    | 6                | 0 4x2= 8                       |               | 0                 | 0   | 2     |
| G-3               | 12x30= 360   | 4                | 0 4x2= 8                       |               | 0                 | 0   | 1     |
| G-4               | 15x55= 825   | 0                | 12                             | 0             | 0                 | 1   | 2     |
| G-5               | 8x12= 96     | 0                | 4                              | 0             | 0                 | 0   | 0     |
| H-1               | 8x16= 128    | 4                | 0 4x2= 8                       |               | 0                 | . 0 | 1     |
| H-2               | 15x30= 450   | 8                | 0 4x2= 8                       |               | 0                 | 1   | 2     |
| H-3               | 7x60= 420    | 2                | 8                              | 0             | 0                 | 1   | 1     |
| H-4               | 4x6= 24      | 0                | 2                              | 0             | 0                 | 0   | 0     |
| TOTALS            | 14,214 sq.m. | <u>218hs.</u> 56 | bhs. 30man-d                   | lays 5mar     | n-days            | 29  | 54    |

CLAIM 4241241: Summary of Expenditures

Backhoe: 218 hours @\$145/h= \$31,610.00 CAT D-7: 56 hours @ \$145/h= \$8120.00 Manual: 240man-hours or 15man-days@\$160/d= \$2400.00 Trenching: 40 man-hours or 2.5 days @ \$160/d= \$400.00 Assays: 4@\$44.00= \$176 + 25@\$32.00= \$800.00; total=\$976.00 Truck travel: 54 trips@110klm x \$0.55/klm= \$3267.00 Mob Backhoe, May,2009: 4hours@\$115/h= \$460.00 Mob CAT D-7, July,2009: 4 hours @\$115/h= \$460.00 Demob CAT-D-7, Aug, 2009: 4 hours@\$115/h= \$460.00 Demob Backhoe, Nov. 2009; 4 hours@\$115/h= \$460.00 Mob Backhoe, March, 2010; 4 hours@\$115/h= \$460.00 MarkIII Wajax : 15 days @\$100/d= \$1500.00 Plugger for ntrenching: 3 days @ \$50/d= \$150.00 Dynamite, 0.5case @\$550/c= \$300.00 Field measurements + report= 11days@\$500/d= \$5500.00 GRAND TOTAL EXPENDITURES, CLAIM 4241241= \$56,373.00

## CLAIM 4241248

|            |                          | and the second second | Manual-    | trenching- | samples- |             |   |
|------------|--------------------------|-----------------------|------------|------------|----------|-------------|---|
| STRIP AREA | Dimension-m Backhoe -hrs | . CAT D-7 hrs         | . hrs/man  | man-hrs.   | assayed  | truck trips |   |
| J-1        | 15x32= 780               | 8                     | 0 8x2= 16  | 0          | )        | 0           | 3 |
| J-2        | 5x30= 200                | 4                     | 0 4x2= 8   | 0          | )        | 0           | 1 |
| J-3        | 8x50= 400                | 12                    | 0 8x2= 16  | C          | )        | 0           | 3 |
| TOTALS     | 1380 sq.m.               | 24                    | 5 man-days |            |          |             | 7 |

Expenditures: Backhoe: 24hs @\$145/h= \$3480.00

Manual: 5 man-days@\$160/d= \$800.00

Mob: November 12, 2009, Float from Red Lake-Dixie Lake road site on Kilometre 25, move Hoe to claim 4241248 and return to Red, total 6hrs @\$115/h= \$690.00

Demob: November 16, 4hours@\$115/h= \$460.00

Travel by pickup: 7 trips at 88klm round trip x\$0.55 = \$389.00

Wajax: 2days at \$100/d = \$200.00

Measurement, geology, report: 1 day@\$500/d= \$500.00

TOTAL expenditures on Claim 4241248: \$6519.00

## CLAIM 4241246

Manual-trenching-samples-STRIP AREADimension-mBackhoe -hrs.CAT D-7 hrs.hrs/manman-hrs.assayedtruck tripsI-115x130=20036016x2=32046

Expenditures:Backhoe: 36 hours@ \$145/h= \$5220.00

Manual: 4 man-days@ \$160/d=\$640.00 Mob-demob, August 2010, 2 4hour trips@ \$115/h= \$920.00 Measurments, geology: 1day@\$500/d= \$500.00 Assays: 4x\$32/sample= \$128.00 Pickup travel: 6 trips of 88 klm x \$0.55= \$290.00 Wajax: 2 days@\$100/d= \$200.00

TOTAL EXPENDITURES: \$7898.00

#### APPENDIX OF ASSAYS

Certificate RL37149: Nov. 20/2009; 4 samples , STRIP G-1; FAA for Au + ICP Certificate RL38004: Feb.17/2010; 3 samples , STRIPS G-1 and H-2; FAA Au only Certificate RL38923; April 26/2010; 7 samples from AREA "D", FAA Au only Certificate RL1039639; July 12/201; 10 samples-4 from "I-1", 6 from G-1; FAA Au only Certificate RL1039945; Aug.6/2010; 7 samples from AREA "F", FAA Au only Certificate RL1040362: Sept.28/2010; 29 samples, STRIPS "B, C, D & E", FAA Au only GEO LABS (C. Storey samples), Jan.21/2010; W.R. + ICP (non-credit)



Page 2 of 5



| Element<br>Method<br>Det.Lim.<br>Units | Ац<br>@FAA313<br>5<br>ррb | Au<br>@FAA313<br>0.005<br>g/t | Au<br>@FAA313<br>0.001<br>oz/t | Be<br>@ICP12B<br>0.5<br>ppm | Na<br>@ICP12B<br>0.01<br>% | Mg<br>@ICP12B<br>0.01<br>% | Al<br>@ICP12B<br>0.01<br>% | P<br>@ICP128<br>0.01<br>% | K<br>@ICP12B<br>0.01<br>% | Ca<br>@ICP12B<br>0.01<br>% |
|--|---------------------------|-------------------------------|--------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------------|
| 1/13/10/09                             | <5                        | <0.010                        | <0.001                         | <0.5                        | 0.06                       | 2.80                       | 2.64                       | 0.08                      | 0.66                      | 1.11                       |
| 2/13/10/09                             | <5                        | <0.010                        | <0.001                         | <0.5                        | 0.05                       | 2.69                       | 3.09                       | 0.10                      | 1.15                      | 0.72                       |
| 3/13/10/09                             | 60                        | 0.060                         | 0.002                          | <0.5                        | <0.01                      | 0.11                       | 0.14                       | <0.01                     | 0.01                      | 0.27                       |
| 4/13/10/09                             | <5                        | <0.010                        | <0.001                         | <0.5                        | 0.03                       | 2.02                       | 2.10                       | 0.06                      | 0.27                      | 12.1                       |
| *Rep 1/13/10/09                        |                           |                               |                                | <0.5                        | 0.06                       | 2.85                       | 2.69                       | 0.09                      | 0.69                      | 1.13                       |
| *Rep 1/13/10/09                        | <5                        | <0.010                        | <0.001                         |                             |                            |                            |                            |                           |                           |                            |

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| Element         | Sc      | Ti      | V       | Cr      | Mn      | Fe      | Co      | Ni      | Cu      | Zn      |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Method          | @ICP12B | @ICP128 | @ICP12B | @ICP128 | @ICP12B | @ICP12B | @ICP12B | @ICP12B | @ICP12B | @ICP12B |
| Det.Lim.        | 0.5     | 0.01    | 2       | 1       | 2       | 0.01    | 1       | 1       | 0.5     | 0.5     |
| Units           | ppm     | %       | ppm     | ppm     | ppm     | %       | ppm     | ppm     | ppm     | ppm     |
| 1/13/10/09      | 5.9     | 0.20    | 111     | 288     | 593     | 3.89    | 31      | 73      | 110     | 56.5    |
| 2/13/10/09      | 10.0    | 0.17    | 130     | 287     | 607     | 5.03    | 24      | 39      | 47.7    | 158     |
| 3/13/10/09      | 0.6     | <0.01   | 5       | 20      | 149     | 0.92    | 2       | 6       | 265     | 38.7    |
| 4/13/10/09      | 5.6     | 0.05    | 62      | 65      | 1630    | 3.98    | 26      | 52      | 33.8    | 50.9    |
| *Rep 1/13/10/09 | 6.0     | 0.20    | 112     | 304     | 604     | 3.96    | 32      | 77      | 117     | 58.9    |

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Page 3 of 5



| Element         | As       | Sr      | Y       | Zr      | Mo      | Ag      | Cd      | Sn      | Sb      | Ba      |
|-----------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Method          | QDICP12B | @ICP128 | @ICP12B | @HCP12B |
| Det.Lim.        | 3        | 0.5     | 0.5     | 0.5     | 1       | 2       | 1       | 10      | 5       | 1       |
| Units           | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     |
| 1/13/10/09      | 8        | 28.2    | 6.1     | 15.2    | <1      | <2      | <1      | <10     | 8       | 133     |
| 2/13/10/09      | 6        | 43.5    | 14.9    | 18.2    | <1      | <2      | <1      | <10     | 12      | 247     |
| 3/13/10/09      | 7        | 3.1     | 0.8     | 0.8     | <1      | <2      | <1      | <10     | 5       | 4       |
| 4/13/10/09      | 4        | 193     | 9.9     | 3.8     | <1      | <2      | <1      | <10     | 5       | 64      |
| *Rep 1/13/10/09 | 9        | 28.0    | 8.2     | 15.0    | <1      | <2      | <1      | <10     | 8       | 138     |

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Page 4 of 5



| Element<br>Nethod<br>Det.Lim.<br>Units | La<br>@ICP128<br>0.5<br>ppm | W<br>@ICP12B<br>10<br>ppm | Pb<br>@ICP12B<br>2<br>ppm | Bi<br>@ICP12B<br>5<br>ppm | Li<br>@ICP128<br>1<br>ppm | S<br>@ICP12B<br>0.01<br>% |
|--|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 1/13/10/09                             | 16.1                        | <10                       | 3                         | <5                        | 17                        | 0.28                      |
| 2/13/10/09                             | 14.2                        | <10                       | 3                         | <5                        | 28                        | 0.17                      |
| 3/13/10/09                             | 1.5                         | <10                       | <2                        | <5                        | 1                         | 0.02                      |
| 4/13/10/09                             | 4.0                         | <10                       | 2                         | <5                        | 13                        | 0.16                      |
| *Rep 1/13/10/09                        | 16.4                        | <10                       | 4                         | <5                        | 18                        | 0.29                      |

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Page 5 of 5



## **Certificate of Analysis**

Work Order: RL38004

Date: Feb 17, 2010

To: COD SGS MINERALS Attn: ACCOUNTS PAYABLE O

> P.O. No. Project No. No. Of Samples Date Submitted Report Comprises

#### LARRY HERBERT

3 Feb 01, 2010 Pages 1 to 2 (Inclusive of Cover Sheet)

39004-1- 455596 / 5629668 H-2 2- 455830 | 5629596 G-3 3- 455596 / 5629592 H-4

Certified By : \_\_\_\_\_

Susan Isaac

SGS Minerals Services (Rediake) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received n.a. = Not applicable I.S. = Insufficient Sample -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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| Element  | Au     | Au     | Au     | WtKg  |
|----------|--------|--------|--------|-------|
| Method   | FAA313 | FAA313 | FAA313 | WGH79 |
| Det.Lim. | 5      | 0.01   | 0.001  | 0.01  |
| Units    | ppb    | g/t    | oz/t   | kg    |
| 1        | 19     | 0.02   | <0.001 | 0.66  |
| 2        | <5     | <0.01  | <0.001 | 1.52  |
| 3        | <5     | <0.01  | <0.001 | 0.77  |
| *Dup 1   | 16     | 0.02   | <0.001 |       |

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Page 2 of 2



Work Order: RL38923

Date: Apr 26, 2010 To: COD SGS MINERALS Attn: ACCOUNTS PAYABLE 0

> P.O. No. Project No. No. Of Samples Date Submitted **Report Comprises**

#### LARRY HERBERT

7 Apr 19, 2010 Pages 1 to 2 (Inclusive of Cover Sheet)

STRIP PREA - D'

Certified By : \_\_\_\_\_

Susan Isaac

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Report Footer:

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\*INF

= Not applicable

I.S. = Insufficient Sample = No result

= Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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| Element  | Au     | Au     | Au     |
|----------|--------|--------|--------|
| Method   | FAA313 | FAA313 | FAA313 |
| Det.Lim. | 5      | 0.01   | 0.001  |
| Units    | ppb    | g/t    | oz/t   |
| 923-1    | <5     | <0.01  | <0.001 |
| 2        | <5     | <0.01  | <0.001 |
| 3        | <5     | <0.01  | <0.001 |
| 4        | <5     | <0.01  | <0.001 |
| 5        | <5     | <0.01  | <0.001 |
| 6        | <5     | <0.01  | <0.001 |
| 7        | <5     | <0.01  | <0.001 |
| *Dup 1   | <5     | <0.01  | <0.001 |

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Work Order: RL1039639

Date: Jul 16, 2010

### To: ACCOUNTS PAYABLE COD SGS MINERALS O

| P.O. No.         | : | LARRY HERBERT-DX-SOUTH     |
|------------------|---|----------------------------|
| Project No.      | : | -                          |
| No. Of Samples   | : | 10                         |
| Date Submitted   | : | Jul 12, 2010               |
| Report Comprises | : | Pages 1 to 2               |
|                  |   | (Inclusive of Cover Sheet) |

Certified By : \_\_

 Report Footer:
 L.N.R.
 = Listed not received
 I.S.
 = Insufficient Sample

 n.a.
 = Not applicable
 - = No result

 \*INF
 = Composition of this sample makes detection impossible by this method

 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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| Element<br>Nethod<br>Det.Lim. | Au<br>FAA313<br>5 | Au<br>FAA313<br>0.01 | Au<br>FAA313<br>0.001<br>oz/t |
|-------------------------------|-------------------|----------------------|-------------------------------|
| Units                         | ppb               | g/t                  | u2/1                          |
| 1307101                       | 10                | 0.01                 | <0.001                        |
| 1307102                       | 40                | 0.04                 | 0.001                         |
| 1307103                       | 35                | 0.04                 | 0.001                         |
| 1307104                       | 5                 | <0.01                | <0.001                        |
| 1307105                       | 25                | 0.02                 | <0.001                        |
| 1307106                       | 5                 | <0.01                | <0.001                        |
| 1307107                       | 15                | 0.01                 | <0.001                        |
| 1307108                       | <5                | <0.01                | <0.001                        |
| 1307109                       | 10                | <0.01                | <0.001                        |
| 13071010                      | <5                | <0.01                | <0.001                        |

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Work Order: RL1039945

Date: Aug 06, 2010

### To: ACCOUNTS PAYABLE COD SGS MINERALS C/O P.O. Box 439 Whiffen Head Road ARNOLD COVE

ARNOLD COVE NF A0B 1A0

| P.O. No.         | : | LARRY HERBERT              |
|------------------|---|----------------------------|
| Project No.      | : | -                          |
| No. Of Samples   | : | 7                          |
| Date Submitted   | : | Aug 05, 2010               |
| Report Comprises | : | Pages 1 to 2               |
|                  |   | (Inclusive of Cover Sheet) |

Certified By : \_

 Report Footer:
 L.N.R. = Listed not received
 I.S. = Insufficient Sample

 n.a.
 = Not applicable
 = No result

 \*INF
 = Composition of this sample makes detection impossible by this method

 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

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 Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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| Element                        | Au                                     | Au     | Au     | Witkg |  |
|--------------------------------|--|--------|--------|-------|--|
| Nethod                         | FAA313                                 | FAA313 | FAA313 | WGH79 |  |
| Det.Lim.                       | 5                                      | 0.01   | 0.001  | 0.01  |  |
| Units                          | ppb                                    | g/t    | oz/t   | kg    |  |
| F-2(040820101 } =45690/562987  | 300                                    | 0.30   | 0.009  | 0.14  |  |
| + 4 040820102 } 2450 90/562981 | ــــــــــــــــــــــــــــــــــــــ | 0.10   | 0.003  | 0.17  |  |
| 0408201037 000 0 0 0 0 0 0 0   | <5                                     | <0.01  | <0.001 | 0.29  |  |
| F-7 (040820103) 046725/56298   | 05 <5                                  | <0.01  | <0.001 | 0.19  |  |
| (040820105)                    | م <sup>160</sup>                       | 0.16   | 0.005  | 1.03  |  |
| F-1(040820105) 045665/562950   | 25                                     | 0.02   | <0.001 | 1.30  |  |
| 040820107                      | <5                                     | <0.01  | <0.001 | 0.64  |  |
| *Dup 040820101                 | 370                                    | 0.37   | 0.011  | -     |  |
|                                |  |        |        |       |  |

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Work Order: RL1040362

To: COD SGS MINERALS

C/O P.O. Box 439 Whiffen Head Road ARNOLD COVE NF A0B 1A0 Date: Sep 28, 2010

| P.O. No.         | : | Larry Herbert              |
|------------------|---|----------------------------|
| Project No.      | : | -                          |
| No. Of Samples   | : | 29                         |
| Date Submitted   | : | Sep 15, 2010               |
| Report Comprises | : | Pages 1 to 2               |
|                  |   | (Inclusive of Cover Sheet) |

Certified By : \_\_\_\_\_

 Report Footer:
 L.N.R. = Listed not received
 I.S. = Insufficient Sample

 n.a.
 = Not applicable
 - = No result

 \*INF
 = Composition of this sample makes detection impossible by this method

 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

 Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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| Element<br>Nethod | Au<br>FAA313<br>5 | Au<br>FAA313<br>0.01 | Au<br>FAA313<br>0.001 |
|-------------------|-------------------|----------------------|-----------------------|
| Det.Lim.<br>Units | ppb               | 0.01<br>g/t          | oz/t                  |
| 21901             | <5                | <0.01                | <0.001                |
| 21902             | <5                | <0.01                | <0.001                |
| 21903             | <5                | <0.01                | <0.001                |
| 21904             | <5                | <0.01                | <0.001                |
| 21905             | <5                | <0.01                | <0.001                |
| 21906             | 5                 | <0.01                | <0.001                |
| 21907             | 5                 | <0.01                | <0.001                |
| 21908             | 10                | 0.01                 | <0.001                |
| 21909             | <5                | <0.01                | <0.001                |
| 21910             | <5                | <0.01                | <0.001                |
| 21911             | 15                | 0.01                 | <0.001                |
| 21912             | <5                | <0.01                | <0.001                |
| 21913             | 5                 | <0.01                | <0.001                |
| 21914             | <5                | <0.01                | <0.001                |
| 21915             | <5                | <0.01                | <0.001                |
| 21916             | 10                | 0.01                 | <0.001                |
| 21917             | 5                 | <0.01                | <0.001                |
| 21918             | 5                 | <0.01                | <0.001                |
| 21919             | 5                 | <0.01                | <0.001                |
| 21920             | 180               | 0.18                 | 0.005                 |
| 21921             | <5                | <0.01                | <0.001                |
| 21922             | <5                | <0.01                | <0.001                |
| 21923             | 25                | 0.03                 | <0.001                |
| 21924             | <5                | <0.01                | <0.001                |
| 21925             | 5                 | <0.01                | <0.001                |
| 21926             | <5                | <0.01                | <0.001                |
| 21927             | 5                 | <0.01                | <0.001                |
| 21928             | <5                | <0.01                | <0.001                |
| 21929             | 5                 | <0.01                | <0.001                |
| *Dup 21901        | <5                | <0.01                | <0.001                |
| *Dup 21925        | 5                 | <0.01                | <0.001                |

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GEOSCIENCE LABORATORIES

**CERTIFICATE OF ANALYSIS** 

| GL JOB#: | 09-0476    |
|----------|------------|
| CLIENT:  | Storey     |
| DATE:    | 19/02/2010 |
| Method:  | AAF-CUS    |

| Lab ID<br>Unit         | Client ID | Co<br>ppm | Zn<br>ppm |
|------------------------|-----------|-----------|-----------|
| <b>Detection Limit</b> |           | 30        | 6         |
| 09-0476-0001           | 2009X15   | 21        | 18        |
| 09-0476-0002           | 2009X16   | 23        | 18        |
| 09-0476-0003           | 2009X17   | 72        | 152       |
| 09-0476-0004           | 2009X18   | 66        | 130       |
| 09-0476-0005           | 2009CS013 | 32        | 17        |
| 09-0476-0006           | 2009CS029 | 3         | 3         |
| 09-0476-0007           | 2009CS030 | 4         | 3         |
| 09-0476-0008           | 2009CS031 | 27        | 23        |
| 09-0476-0009           | 2009CS032 | 72        | 107       |
| 09-0476-0010           | 2009CS033 | 32        | 45        |
| 09-0476-0011           | 2009CS034 | 33        | 57        |

| Client:           |         |              |            |      | Storey       |     |
|-------------------|---------|--------------|------------|------|--------------|-----|
| Geo La            | abs JOB | #:           |            |      | 09-0345      | 5   |
| Date:             |         |              |            |      | ######       | ##  |
| Metho             | d Code: |              |            |      | XRF-M        | )1  |
| Client I<br>Units | D       | Al2O3<br>wt% | CaO<br>wt% |      | Fe2O3<br>wt% |     |
| Detect            | Limit   | 0.           | 01         | 0.01 | 0.           | 01  |
| 20090             | 8012    | 15.          | 15         | 3.11 | 1            | 8.2 |

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| Client ID<br>Units | Al2O3<br>wt% | CaO<br>wt% | Fe2O3<br>wt% | K2O<br>wt% | LOI<br>wt% | MgO<br>wt% | MnO<br>wt% | Na2O<br>wt% |
|--------------------|--------------|------------|--------------|------------|------------|------------|------------|-------------|
| Detect Limit       | 0.01         | 0.01       | 0.01         | 0.01       | 0.05       | 0.01       | 0.01       | 0.01        |
| 200908012          | 15.15        | 3.11       | 8.2          | 3.23       | 1.63       | 3.05       | 0.25       | 0.61        |
| 2009CS020          | 13.47        | 0.79       | 1.19         | 3.45       | 1.23       | 0.18       | 0.09       | 4.67        |
| 2009CS021          | 15.36        | 6.2        | 7.79         | 2.59       | 4.75       | 4.77       | 0.12       | 4.97        |
| 2009CS022          | 13.7         | 5.11       | 10.8         | 1.84       | 6.54       | 8.17       | 0.13       | 2.33        |
| 200905023          | 15.02        | 5.46       | 12.48        | 0.4        | 6.71       | 5.74       | 0.13       | 2.59        |
| 2009CS024          | 15.07        | 5.19       | 8.44         | 2.75       | 8.15       | 3.08       | 0.18       | . 4.1       |
| 2009CS025          | 15.65        | 4.89       | 8.53         | 1.99       | 8.27       | 3.22       | 0.21       | 4.79        |
| 2009CS026          | 14.15        | 0.54       | 3.62         | 1.21       | 1.13       | 0.23       | 0.06       | 6.03        |
| 2009CS023 SP       | ✓ 15,11      | 5.56       | 12.54        | 0.44       | 6.71       | 5.75       | 0.13       | 2.64        |

|   | P2O5 | SiO2    | TiO2 |      | Total   |  |
|---|------|---------|------|------|---------|--|
|   | wt%  | wt%     | wt%  |      | wt%     |  |
|   | ,0.0 | 1 0.    | .01  | 0.01 |         |  |
|   | .0.H | 57-83   | 57   | 0.63 | 99.58   |  |
| - | 0.0  | 2 75    | 34   | 0.09 | 100.5   |  |
|   | 0.3  | 3 51.   | .94  | 0.76 | 99.56   |  |
|   | 0.2  | 1 49    | .44  | 1.07 | _ 99.33 |  |
|   | 0.1  | 2 50    | .31  | 1.23 | 100.2   |  |
|   | 0.   | 5 50    | 14   | 1.02 | 98.6    |  |
|   | 0.4  | 9 50.   | 23   | 1.2  | 99.47   |  |
|   | 0.0  | 2 73    | .53  | 0.26 | 100.78  |  |
|   | 0,12 | 2 💛 50. | 34   | 1.23 | 100.55  |  |
|   |      |         |      |      |         |  |

| Client:        |   | Storey               |
|----------------|---|----------------------|
| Geo Labs JOB#: |   | 0 <del>9</del> -0476 |
| Date:          |   | ########             |
| Method Code:   |   | IAT-100              |
|                | _ | -                    |

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| Client ID    | Al    | Ва  | Ca     | Co  | Cr  | Cu  | Fe     | к     |
|--------------|-------|-----|--------|-----|-----|-----|--------|-------|
| Units        | ppm   | ppm | ppm    | ppm | ppm | ppm | ppm    | ppm   |
| Detect Limit | 20    | 1   | 25     | 1   | 2   | 1   | 40     | 65    |
| 2009X17      | 61938 | 59  | 73625  | 36  | 8   | 67  | 128223 | 5153  |
| 2009X18      | 53399 | 29  | 69015  | 31  | 19  | 54  | 106216 | 2728  |
| 2009CS013    | 2213  | 5   | >95000 | 1   | 10  | 11  | 1600   | 360   |
| 2009CS029    | 739   | 4   | 3814   | <1  | 56  | 10  | 792    | 82    |
| 2009CS030    | 1719  | 7   | 339    | <1  | 31  | 15  | 847    | 264   |
| 2009CS031    | 71220 | 533 | 17682  | 2   | 20  | 17  | 13829  | 11145 |
| 2009CS032    | 66746 | 39  | 55842  | 39  | 140 | 83  | 79968  | 2430  |
| 2009CS033    | 72604 | 750 | 11418  | 6   | 29  | 22  | 16126  | 14009 |
| 2009CS034    | 67944 | 761 | 20901  | 6   | 25  | 22  | 35415  | 13669 |

| Li  | Μ  | g     | Mn   | Na     | Ni  | Pb      | Sc   |    | Sr  | Ti   |
|-----|----|-------|------|--------|-----|---------|------|----|-----|------|
| ppm | pp | m     | ppm  | ppm    | ppm | ppm     | n pp | m  | ppm | ppm  |
|     | 1  | 20    | 1    | 45     |     | 2       | 35   | 1  | 1   | 1    |
|     | 12 | 21430 | 3858 | 13380  |     | 16 <35  |      | 32 | 178 | 7919 |
|     | 6  | 17665 | 3758 | 8526   |     | 16 <35  |      | 28 | 197 | 7034 |
| <1  |    | 1883  | 205  | 130    |     | 4 <35   |      | 1  | 35  | 150  |
|     | 2  | 115   | 93   | 210    | <2  | <35     | <1   |    | 7   | 70   |
|     | 1  | 178   | 49   | 475    | <2  | <35     | <1   |    | 7   | 33   |
|     | 11 | 5581  | 205  | 30372  |     | 5 <35   |      | 4  | 223 | 2367 |
|     | 20 | 34368 | 1059 | 13121  |     | 104 <35 |      | 22 | 189 | 6893 |
|     | 13 | 6104  | 190  | >31000 |     | 19 <35  |      | 4  | 234 | 2127 |
|     | 16 | 7826  | 494  | 28561  |     | 15 <35  |      | 5  | 214 | 2272 |

| V   | Y    | Zn         |     |
|-----|------|------------|-----|
| ppm | ppm  | ppm        |     |
|     | 1    | 1          | 4   |
|     | 339  | 26         | 160 |
|     | 282  | 23         | 135 |
|     | 6    | 2          | 13  |
|     | 1    | 1 <4       |     |
|     | 1 <1 | 1 <4<br><4 |     |
|     | 25   | 9          | 23  |
|     | 179  | 15         | 115 |
|     | 37   | 5          | 46  |
|     | 42   | 6          | 59  |
|     |      |            |     |

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| Client:        | Storey     |
|----------------|------------|
| Geo Labs JOB#: | 09-0476    |
| Date:          | 02/24/2010 |
| Method Code:   | GFA-PBG    |

| Client ID    | Ag     |     | Au     |
|--------------|--------|-----|--------|
| Units        | oz/ton |     | oz/ton |
| Detect Limit |        | 0.1 | 0.01   |
| 2009X17      | <0.1   |     | <0.01  |
| 2009X18      | <0.1   |     | <0.01  |
| 2009CS013    | <0.1   |     | <0.01  |
| 2009CS029    | <0.1   |     | <0.01  |
| 2009CS030    | <0.1   |     | <0.01  |
| 2009CS031    | <0.1   |     | <0.01  |
| 2009CS032    | <0.1   |     | <0.01  |
| 2009CS033    | <0.1   |     | <0.01  |
| 2009CS034    | <0.1   |     | <0.01  |

| Client:      |      |     | S   | Storey    |          |     |     |    |
|--------------|------|-----|-----|-----------|----------|-----|-----|----|
| Geo Labs JO  | OB#: |     | C   | 9-0476    |          |     |     |    |
| Date:        |      |     | c   | )2/23/201 | 0        |     |     |    |
| Method Cod   | e:   |     | ļ   | AF-100    |          |     |     |    |
| Client ID    | Cd   | Cu  |     | _i        | Ni       |     | Pb  |    |
| Units        | ppm  | ppm |     | pm        | ppm      | c   | ppm | 10 |
| Detect Limit | ~    | 5   | 3   |           | 5        | 6   |     | 12 |
| 2009X15      | <5   | <3  |     | -         | 9 <6     |     |     | 22 |
| 2009X16      | <5   | <3  |     | 4         | 1 <6     |     |     | 26 |
| 2009X17      | <5   |     | 64  | 10        | <b>3</b> | 12  | <12 |    |
| 2009X18      | <5   |     | 48  | 1         | 1        | 15  | <12 |    |
| 2009CS013    | <5   |     | 7   | 2         | 5        | 6   |     | 29 |
| 2009CS029    | <5   | <3  | <   | <5        | <6       |     | <12 |    |
| 2009CS030    | <5   |     | 5 < | <5        | <6       |     | <12 |    |
| 2009CS031    | <5   |     | 9   | 1;        | 3        | 7   |     | 12 |
| 2009CS032    |      |     | 77  | 24        | 4        | 103 | <12 |    |
| 2009CS033    |      |     | 17  | 10        | 6        | 19  |     | 15 |
| 2009CS034    |      |     | 17  | 2         | -        |     | <12 |    |

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| Client:      |      |     | Store | ey.    |     |     |        |     |    |
|--------------|------|-----|-------|--------|-----|-----|--------|-----|----|
| Geo Labs JC  | )B#: |     | 09-04 | 476    |     |     |        |     |    |
| Date:        |      |     | ####  | ####   |     |     |        |     |    |
| Method Code  | e:   |     | XRF-  | T01    |     |     |        |     |    |
| Client ID    | Ag   | As  | Ba    | Bi     | Co  | Cr  | Cs     | Cu  |    |
| Units        | ppm  | ppm | ppm   | ppm    | ppm | ppm | ppm    | ppm |    |
| Detect Limit |      | 5   | 1     | 20     | 3   | 6   | 4      | 7   | 1  |
| 2009X15      | <5   | <1  |       | 25 <3  | <6  |     | 28     | 15  | 25 |
| 2009X16      | <5   | <1  |       | 113 <3 | <6  |     | 26     | 17  | 4  |
| 2009X17      | <5   |     | 3     | 51 <3  |     | 53  | 57 <7  |     | 72 |
| 2009X18      | <5   | <1  | <20   |        | 3   | 42  | 53 <7  |     | 54 |
| 2009CS013    | <5   |     | 2 <20 | <3     | <6  |     | 22 <7  |     | 17 |
| 2009CS029    | <5   |     | 3 <20 | <3     | <6  |     | 50     | 9   | 3  |
| 2009CS030    | <5   |     | 2 <20 | <3     | <6  |     | 32     | 7   | 9  |
| 2009CS031    | <5   | <1  |       | 569 <3 | <6  |     | 26     | 9   | 11 |
| 2009CS032    | <5   |     | 2     | 27 <3  |     | 48  | 182 <7 |     | 76 |
| 2009CS033    | <5   |     | 5     | 843 <3 |     | 8   | 36     | 7   | 19 |
| 2009CS034    | <5   |     | 4     | 814 <3 |     | 7   | 33     | 9   | 21 |

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| Ga  | к  |               | Mn Mo   | ) | Na    | Nb  | Ni  | Р   | Pb     |    |
|-----|----|---------------|---------|---|-------|-----|-----|-----|--------|----|
| ppm | pp | om            | ppm ppi | m | ppm   | ppm | ppm | ppm | ppm    |    |
|     | 3  | 6             | 6       | 1 | 25    |     | 2   | 1   | 5      | 3  |
|     | 26 | 23663         | 265 <1  |   | 38566 |     | 13  | 3   | 411    | 8  |
|     | 28 | 68241         | 122     | 1 | 12892 |     | 22  | 3   | 532    | 17 |
|     | 21 | 5314          | 4255    | 5 | 11459 |     | 5   | 20  | 658    | 4  |
|     | 18 | 2782          | 3967    | 4 | 8140  |     | 5   | 19  | 594    | 5  |
| <3  |    | 233           | 388     | 1 | <25   | <2  |     | 5   | 101    | 21 |
| <3  |    | 96            | 123     | 2 | 264   | <2  |     | 1   | 23 <3  |    |
| <3  |    | 336           | 74      | 1 | 543   | <2  |     | 1   | 30 <3  |    |
|     | 17 | 13139         | 224     | 1 | 37610 |     | 6   | 6   | 545    | 3  |
|     | 17 | 2821          | 1172 <1 |   | 12274 |     | 3   | 114 | 364 <3 |    |
|     | 18 | 17 <b>961</b> | 221 <1  |   | 39844 |     | 5   | 19  | 453    | 4  |
|     | 16 | 15999         | 536     | 1 | 31129 |     | 6   | 13  | 588    | 4  |

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| U   | V   | W       | Y   | Zn   | Zr  |     |
|-----|-----|---------|-----|------|-----|-----|
| ppm | ppm | ppm     | ppm | ppm  | ppm |     |
|     | 3   | 4       | 12  | 1    | 3   | 1   |
| <3  |     | 7 <12   |     | 5    | 14  | 10  |
| <3  |     | 7 <12   |     | 4    | 14  | 7   |
| <3  |     | 394 <12 |     | 30   | 148 | 120 |
| <3  |     | 325 <12 |     | 28   | 122 | 104 |
| <3  | <4  | <12     |     | 5    | 15  | 8   |
| <3  |     | 5 <12   |     | 3 <3 |     | 4   |
| <3  |     | 6 <12   |     | 2 <3 |     | 4   |
| <3  |     | 35 <12  |     | 12   | 18  | 188 |
| <3  |     | 211 <12 |     | 18   | 114 | 66  |
| <3  |     | 50 <12  |     | 7    | 41  | 129 |
| <3  |     | 53 <12  |     | 9    | 53  | 131 |