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(REVISION)

**ST. ANTHONY / STURGEON LAKE  
- FALL 2005 -  
Exploration Project Reports**

for

**Mechanical Stripping, Prospecting  
&  
Diamond Drilling**

- Addendum to Work Reports -  
W030.00760, W0430.01215 and W0530.01768

Beckington Lake (G.2532) and Squaw Lake (G.3140) Areas  
Patricia Mining Division, Ontario -30  
Map Reference: 052 J/02 SE  
Datum: NAD 83, UTM; 15

by

**A. J. M. Mowat, C.E.T.  
&  
A. P. Pryslak, M.Sc., P.Geo.**

(Report Revision March 6th, 2006)

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**SECTION A**

**INTRODUCTION**

# INTRODUCTION

## **The Company:**

Emerald Fields Resource Corporation (EFR) optioned a group of claims in the Sturgeon Lake area from the states brother in 2002. The latest exploration program – 2005 - included prospecting, mechanical stripping and diamond drilling.

## **Location and Access:**

The St. Anthony property of EFR lies on the eastern shore of the North Arm of Sturgeon Lake, Northwestern Ontario.

The north limit of the claims area lies approximately 5.6 km south of the main line of the CNR. Highway #599 passes along the west shore of the North Arm and connects with an east extending resource road known as Myers Vista Lake Road. This road passes within one km of the north boundary of the claim block. Other roads and trails, such as the St. Anthony mine road and the Mine Lake road had to be restored for access by skidders, dozer and ATV,s. (Fig. 1)

## **Property (Claims):**

The property comprises of 19 contiguous un-patented mining claims. These are listed, as follows (a total of 206 –16 ha units or 3,296 hectares):

P.1245823	(4 units)
P.3001233	(15 units)
P.3001234	(9 units)
P.3001266	(15 units)
P.3001267	(6 units)
P.3001268	(9 units)
P.3001269	(15 units)
P.3001270	(6 units)
P.3001271	(9 units)
P.3001318	(9 units)
P.3001319	(9 units)
P.3001320	(14 units)
P.3001321	(16 units)
P.3001322	(15 units)
P.3001323	(15 units)
P.3002034	(14 units)
P.3001235	(7 units)
P.3001265	(4 units)
P.3002776	(15 units)

This block of claims are recorded in Patricia Mining Division – 30, located in Beckington Lake (claim sheet G.2532) and Squaw Lake (claim sheet G.3140) areas. Map reference sheet 052 J/02 SE. St. Anthony Mine site GPS co-ordinate 5552900 N by 666592 E, datum NAD 83, UTM 15 (Fig. 2).

### **History of Exploration:**

The St. Anthony Mine production is recorded for 1902 to 1908 and 1934 to 1941, yielding 63,310 ounces of gold and 16,341 ounces of silver from 332,720 tons.

Numerous shafts, pits and trenches exist on the property, including a number of stamp mills, indicating that most of this work for gold was conducted in the early 1900's. The next phase of exploration is recorded from the 1970 period after the Mattabi base metal deposit was discovered.

The exploration history is well documented by Trowell (1983) for the Ontario geological Survey (Reports No.221 and 227).

### **Geology:**

The Sturgeon Lake area lies within the Superior Province of the Canadian Shield with lithologies of Archean age. Mafic metavolcanics are dominant with lesser felsic metavolcanics occurring along the trend of the Northeast Arm of Sturgeon Lake.

Gabbro intrusions are common within the property, intruding all phases of the metavolcanics.

The contact between the metavolcanic suite and the granitic batholith to the west approximately follows the east shoreline of the North Arm of Sturgeon Lake. The contact comprises of a mixture of granitic and metavolcanics over a zone of approximately 500 metres. Numerous faults, shear and alteration episodes define a very complex intrusive history of this contact zone.

by

A.P. Pryslak, M.Sc., P.Geo.

**ADDENDUM**  
to  
**ST. ANTHONY MINE / STURGEON LAKE**  
**HISTORICAL REPORT**

EFR has acquired a major gold property in the Sturgeon Lake greenstone belt of Northwestern Ontario. One focus of this property is the past gold producer known as the St. Anthony Mine. The property lies within the Squaw Lake Claim Sheet, Patricia Mining Division-30 consisting of 19 claim blocks totalling 206 -16 ha units (3,296 ha). The property acquisition is by an option agreement with the Stares brothers of Thunder Bay, Ontario. The St. Anthony Mine recorded intermittent production from the period 1905 to 1930, utilizing a stamp -amalgam milling process. Continuous production is recorded for the period of 1934 to '41; processing of the ore was by standard cyanide-leach mill. Total production is reported to be 332,720 tons at a grade of 0.19 oz/t Au. Final product figures are 63,310 oz of gold and 16,341 oz of silver. All production at the St. Anthony mine was from the No. 1 Vein. The zone was mined over a distance of 800 feet (245 m) at the -750-foot level. Mining widths varied from 6 (1.83m ) to 25 feet (7.62m), averaging 12 feet (3.66m). Some development work was carried out to the -1000-foot level but the mine closed due to lack of skilled mining labour during the war. It is assumed that 250,000 tons of ore grading 0.20 + oz/Au/ ton (50,000 + oz) lie between the -750 and -1000-foot level. Still open on strike and to depth.

Two additional zones lie in close proximity to the mine workings, the No. 2 Vein and the Diorite Zone. The No. 2 Vein lies about 400 feet (120 m) to the west of and parallels No. 1 Vein. Significant intersection values from this zone include: 0.37 oz/t Au over 5.5 ft (1.68 m), 0.50 oz/t Au over 5.3 ft (1.62 m), 0.20 oz/t Au over 17.8 ft (5.43 m) and 0.43 oz/t Au over 15 ft (4.58 m). The deepest intersection is at -600 ft (183 m). The Diorite Zone (carbonated tuff horizon ?) is located to the west of the No.1 Vein. Significant drill intersections include : 0.58 oz/t Au across 2.0 ft (0.61 m), 0.40 oz/t Au over 4.0 ft (1.22 m) and 0.17 oz/t Au over 8.1 ft (2.47 m).

There are three other significant gold deposits outside the mine area but within the outlying claim group. Deposit No. 15, North Couture Lake area, was worked on in 1936 to '38 and is reported as a 50-foot (15.24 m) wide zone of intense carbonate-sericite alteration with quartz veining. Work included the sinking of a shaft to a depth of 175 feet (53m) . The best assay reported was 17.1 oz/t Au. There are no records indicating that any drilling has been carried out on this zone. Deposit No. 16 , the Camp Vein, was discovered in the early 1900's and was examined by a series of shallow shafts. Re-sampling in 1935 and again in 1941 returned values of 1.0 to 1.3 oz/t Au, respectively.

The Dawson Zone ( Deposit No.21) consisted of a 3 to 4-ft (1.0 to 1.3 m) wide quartz vein that was bulk tested by a 70-foot (21 m ) long trench in 1902. The stamp mill processed 225 tons of ore assaying 0.84 oz /t Au; tailings assayed 0.21 oz/t Au. An average grade of 1.39 oz/t Au over a width of 3.7 feet (1.13 m) and a length of 60 feet (18.29 m) is reported. Highlights of a 1983 shallow drill program included 0.49 oz/t Au over 3.75 ft (1.15 m) or 0.17 oz/t Au across 11.75 ft (3.59 m) and 0.26 oz/t Au over 4.5 ft (1.38m) . Workings were noted to have a moderate plunge to the north where no drilling has been carried out.

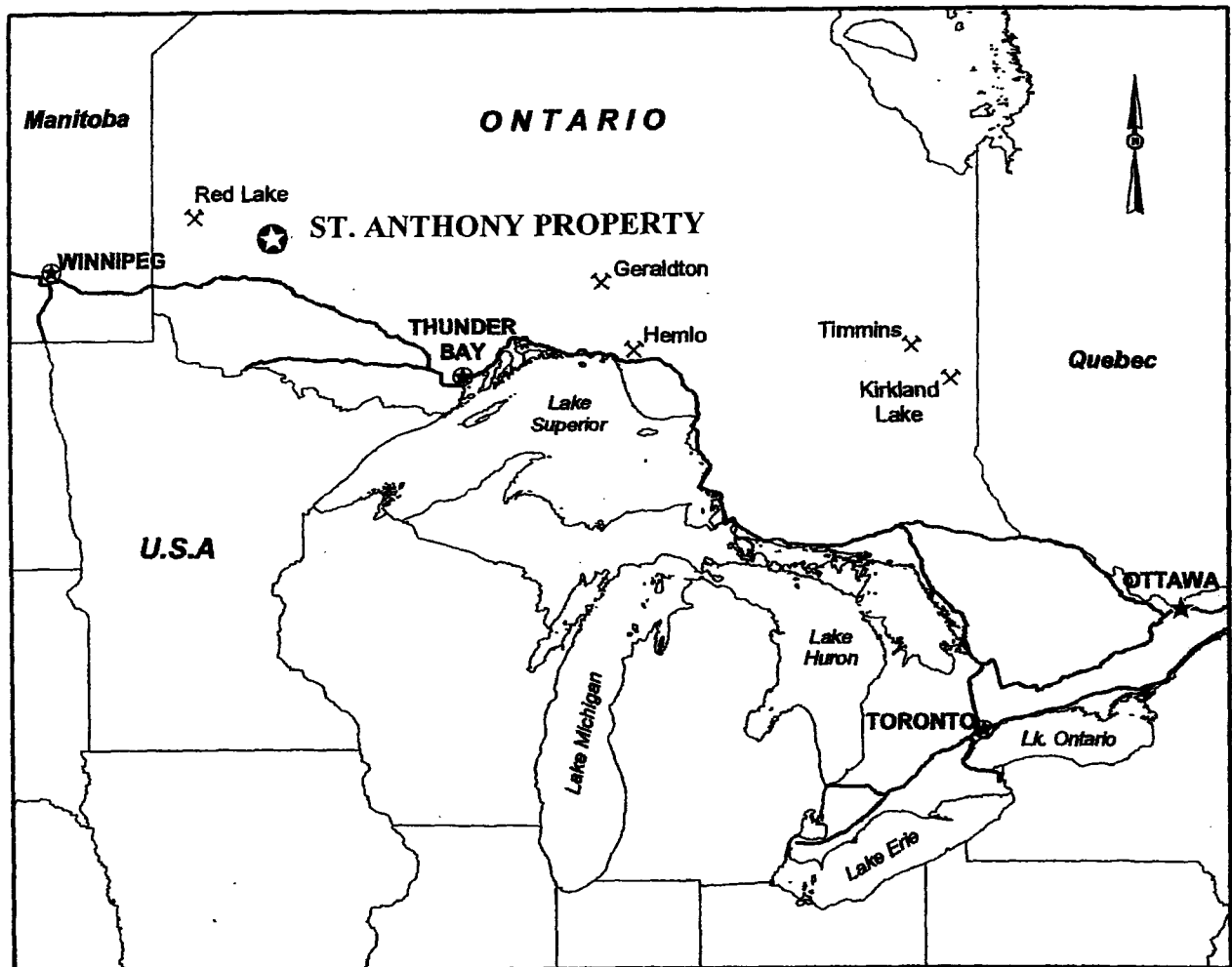
The gold deposits and showings of the Sturgeon Lake area have been largely under-explored. The high grade nature of some of these deposits makes them attractive exploration targets. The carbonate-sericite-sulphide zone described as Deposit No. 15 could lead to an economic gold

deposit.

Some of the styles of gold bearing systems found in the area are simple vein, silicified zones and carbonate-sericite shears. The latter two styles hold potential for hosting large gold deposits. In the 1983 drill records and report filed for Aubet Resources, it is noted that some of the original assays were re-run. The assay values from the re-runs in many cases dramatically improved previous results. Example, values on one sample from drill hole 83-5 were 0.056, 0.049, 0.99, 0.97 and 0.14 oz/t Au. The variability is attributed to the free state of the gold and its nugget distribution in the host rocks. One needs to be mindful of this style of gold mineralization when re-interpreting old data or assaying samples in the future. Also, one has to keep in mind that the gold probably ( example : Deposit No.21 - Dawson Zone) has its own structural orientation within the various hosting zones.

Further, in 2002, the Kenora resident government geologist staff took 24 rock samples (SA 01 to - 23) in and around the St. Anthony Mine site. Rock samples were taken from quartz porphyry, granodiorite, quartz veins, basalt and tuff units - altered and unaltered. All samples returned anomalous gold values. The lowest was 0.16 g to 44.90 g/t Au. For interest, on averaging these samples, a value of 3.89 g/t (0.12 oz) or \$42/ t Au is obtained. Discounting the two highest assays of 44.90 and 23.28 g/t , averages 1.14 g/t (0.04oz) or \$14/t Au.

**Emerald Fields Resource Corporation  
ST. ANTHONY PROPERTY  
Location Map**



Scale: 1cm = 100,000m

Fig. 1









**SECTION B**

**MECHANICAL STRIPPING REPORT**

# MECHANICAL STRIPPING

## SUMMARY

**PROJECT / PROPERTY NAME:** St. Anthony / Sturgeon Lake

**LOCATION:** - Patricia Mining Division, Ontario - 30  
- Beckington Lake G.2532) and Squaw Lake (G.3140) Area  
- UTM (GPS) co-ordinate referenced to St. Anthony Mine Site:  
5553000 N by 666500 E (NAD 83 - Zone 15), mining claim # P.3002776

**RECORDED MINING CLAIMS:** 19 contiguous un-patented mining claims totalling 206 units x 16 ha/ unit = 3.296 hectares. Refer to this report's "Introduction" for the detail claim discription.

**MINERAL COMMODITIES:** Gold (Au) and VMS style (Cu, Zn, Au)

**CLAIM STATUS:** Active

**HISTORY:** Refer to this report's "Introduction" with attached Addendum.

**ACCESS:** There are two primary (paved) road systems into the St. Anthony project area. They are: 1/. Hwy # 599 north-east of the Town of Ignace on Hwy # 17 and 2/. Hwy # 72 from the community of Dinorwic (east of Dryden and west of Ignace) on Hwy #17 to the Town of Sioux Lookout. Continuing easterly, # 516 to the CNR line community of Savant Lake which also connects Hwy # 599. This town lies northwest of EFR's property. At this time, boat access is required from landings on the west side of Sturgeon Lake. There is some trail access from the north depending on tree blowdown.

**SURVEY TYPE:** Mechanical stripping by 2 Timber Jack bladed skidders and a D-6 bulldozer.

**STRIPPING PERFORMED BY:** Two crews were contracted: (1) Contractor Mr. David Latto from Savant Lake, Ontario with Skidder and D-6 and the (2) crew from the community of the Savant Lake (Little Pashkokogan River) Reserve. Contractor Chief Edward Machimity supplying a Skidder and chainsaw cutters.

**DATE OF WORK:** September 20<sup>th</sup> to October 24<sup>th</sup>, 2005

**STRIPPING SUPERVISION:** Field and project supervisor, Mr. A.P. (Tony) Pryslak, M.Sc., P.Geo., geological consultant

**PURPOSE OF THE SURVEY:** To re-evaluate the historical gold reported sites by mechanical

overburden stripping to bedrock followed by rock sampling.

The primary objective was to re-open the old St. Anthony Mine Road and stripping the selected Au occurrences on- route. From Fig. 2, access to this first trail system is gained by a seasonal gravel road (#700 - Myers), east off of Hwy #599 (MTO crew base lies on the north side and south of the Town of Savant Lake). Travel east for about 1 km then turn right going SE towards the Savant Lake airstrip. A distance of 1.8 km. At this location, the road divides. Take the right road, drive about 2.4 km to a sand and gravel pit. This is the take off point/ trail south to the St. Anthony Mine. The overgrown route follows along the east shore of the North Arm of Sturgeon Lake.

The second trail system / target area is accessed by turning left at the airstrip junction (Myers Vista Lake Road) - right is to St. Anthony - drive east about 5.6 km. A new skidder trail lies on the south side back about 400 m west of Beckington River. This trail goes to the Stewart Shaft stripping area. A distance of 1.5 km. See FigM-4 and M-5.

The original contractor for this job was Mr. David Lotto; however, due to the extremely slow progress, a second contractor Chief Edward Machimity had to be brought in. Access difficulties into these both areas was exasperated a two fold high wind ' tree blow-down' that occurred during the mid -summer of 2005. The downed timber was large mature growth of Jack Pine and/or Poplar. Two skidders, one bulldozer and chain saw cutters had to be employed to access the selected target areas. Due to the labor intensity of man and machines, only half of the designated sites were reached and stripped (not washed).

Following is a summary of contracted stripping days for all parties:

A/. Crew - Contractor Mr. David Lotto (Skidder and D-6 operator) -

Dates: September 20<sup>th</sup>, 26<sup>th</sup> to 30<sup>th</sup>, and October 1<sup>st</sup> to 7<sup>th</sup> and 10<sup>th</sup> to 24<sup>th</sup>, 2005. A total of 28 days.

B/. Crew - Contractor Chief Edward Machimity (supplying 3 personnel, Skidder and chain saws)-

1/. John Sapay (skidder and chain saw operator)

- Skidder dates: September 22<sup>nd</sup> to October 16<sup>th</sup>, 2005.

A total of 19 days and

- Chain Saw cutting dates: September 23<sup>rd</sup>, 26<sup>th</sup> to 27<sup>th</sup>, 2005.

A total of 3 days. Combined 22 days.

2/. Jonah Belmore (chain saw operator)

Date: September 22<sup>nd</sup> to October 8<sup>th</sup>, 2005.

A total of 14 days.

and 3/. Peter Machimity (chain saw operator)

Date: October 12<sup>th</sup> to 24<sup>th</sup>, 2005.

A total of 12 days.

Summarization:

Skidder x 2 = 32 productive days + 4 days for 2 machines mob & demob (floating)

D-6 Bulldozer = 9 productive days + 2 days of mob and demob

Chain Saw Cutting x3 = 29 days

Referring to Mr. Pryslak's map Fig. M - 5 ( scale to 1:10,000 metric) 'Dawsom Shaft

Area'- going south to St. Anthony Mine site, three sites were mechanically cleared on and around the Dawson - White shaft area, Fig. M-2 and M-3, scale 1: 1,000 m. All 3 stripped areas are located on Emerald Fields' recorded mining claim P.3001269, about 300 m north and 150 east of the # 3 witness post.

Fig. M-2 has two stripped sites north and south as DAW-A and DAW-B, respectively. The GPS central co-ordinate for DAW-A is 5557050 N by 667450 E. This area of stripping is about 150 m (north - south) by 40 m (east - west) is 6,000 sq. meters. DAW-B located at co-ordinate 5556900 N by 667400 E is about 30 m (north - south) by 20 m (east - west) is 600 sq. m. DAW-C stripped site is just south of DAW-A & B at co-ordinate 5556800 N by 667500 E, Fig. M-3, scale 1 : 500 metric. The cleared area is approximately 58 m (north - south) by 40 m (east - west) for 2,300 sq. m. Total area stripped for these Dawson - White sites is 8,900 sq. metres or 0.89 hectares.

The 2<sup>nd</sup> area was Stewart Shaft. Referring the Fig.M-5, scale 1:1,000 metric there are two stripped sites, STEW - 'A' co-ordinate 5560380 N by 6698050 E and STEW - 'B' & 'C' at 5560500 to 5560530 N by 669840 E. All sites on EFR's mining claim # P.3001233. Areas cleared as follows:

STEW - 'A'	is 25 m (north - south) by 12 m (east -west)	= 300 sq.m,
- 'B'	is 20 m (north - south) by 10 m (east - west)	= 200 sq.m and
- 'C'	is 25 m (north - south) by 15 m (east - west)	= 375 sq.m

For this area, a total of 875 sq. m or 0.09 hectares. Combing this with the Dawson - White the total stripping is 9,775 sq. metres or 0.98 hectares.

All the stripped areas were geologically mapped by Mr. Pryslak and sampled by prospectors Mss. Katarina and Ruth Bjorkman.

Report revised by: A. J. M. Mowat  
Kenora, Ontario  
March 2006



## MECHANICAL STRIPPING REPORT

Several sites were chosen for mechanical stripping based on research of historical documents (assessment files). The first site was selected around the Dawson Shaft and the second site around some of old trenches south of the Contact and Stewart Shafts. Old roads (trails) were refurbished for skiddar / cat access.

Most of the recorded exploration around the Dawson Shaft has been to the south of the shaft. The main stripping area (Fig. M-1), Daw-A, was carried over in the area immediately to the north of the shaft. A smaller area, Daw-B (Fig. M-2) was completed in the area to the south. These areas cover approximately 6,600 and 600 square metres of area, respectively. The third area is centered approximately 150 metres SE of the shaft where several old pits had uncovered some quartz veining associated with carbonate alteration along shearing. This third section covers an area of about 2,300 square metres.

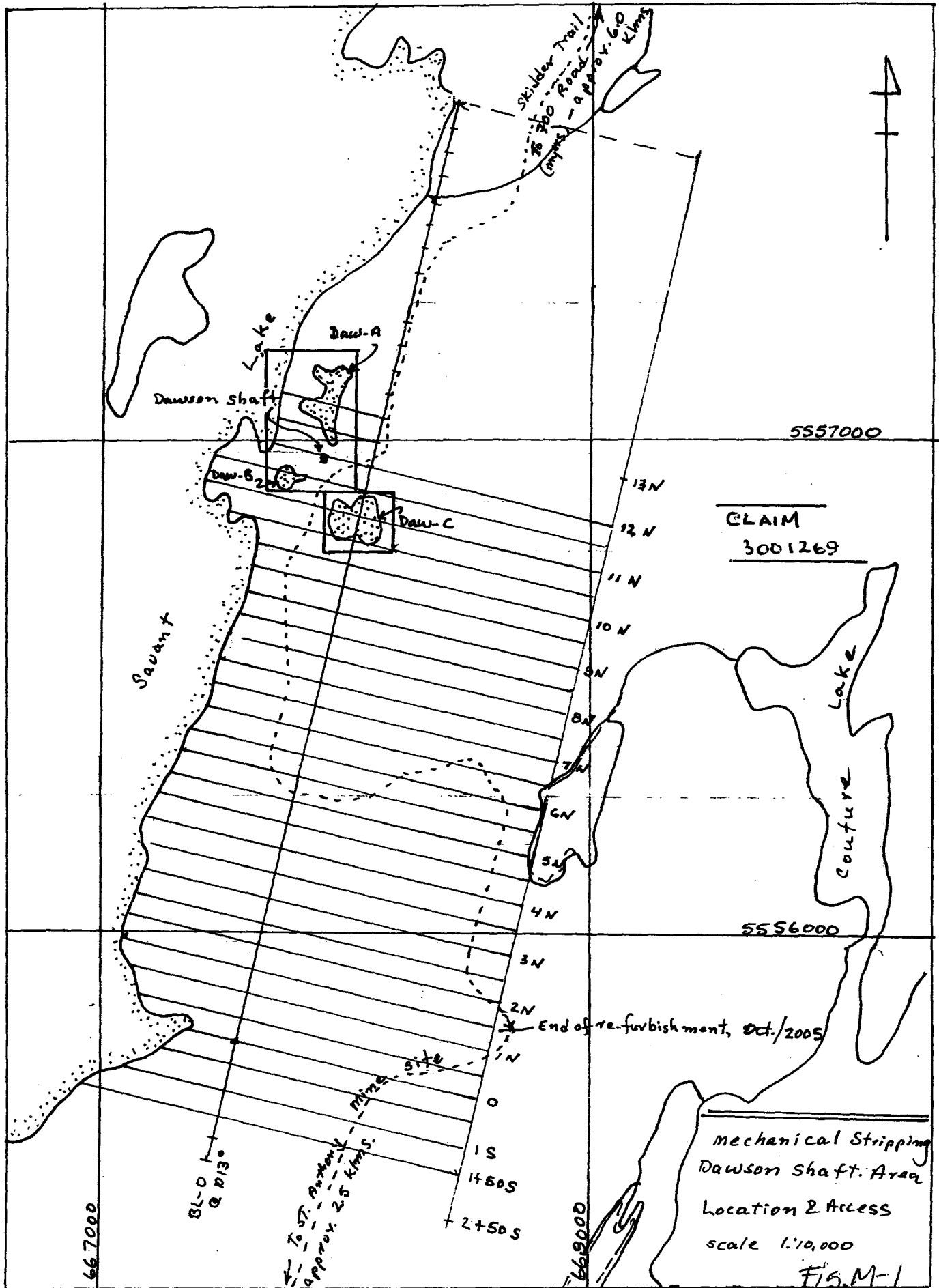
The main shaft is located on grid line 12+00 N and 1+00 W, 45 metres east of the open cut and inclined shaft that represent the surface trace of the main gold zone. The Daw-1 stripped area uncovered a 2.5 metre wide section of quartz veining within the granodiorite. This may represent the extension of the main zone but it lacks any sulphide content common with the main zone. The strip area south of the inclined shaft uncovered a 0.5 to 2.0 metre zone of rusty weathering quartz at 1+35 W on L 11+50 N. This is likely the extension of the main zone.

The Daw-C stripping (Fig. M-3) uncovered a number of quartz veins and shears. The veins in the central portion of the stripped area have a major ankerite component.

Work by Candore Explorations in 1983 in the vicinity of some old shafts located 600 metres west of the Mine Lake, identified some old workings as the Stewart and Contact Shafts. Samples of veining from these two shafts assayed only trace for gold. However, three samples from a pit located 175 metres south of the Stewart shaft assayed 0.81, 0.30 and 0.56 ounces per ton gold. This pit was located by prospectors and three small areas were stripped by skidder (Fig. M-4, M-5).

The vein exposed in old pits is 0 to 40 cm in width and is well mineralized with pyrite, pyrrhotite and minor chalcopyrite. The vein trends N-S and dips 40 degrees East. It occupies a narrow shear in gabbro and the sulphides extend into the gabbro derived schist.

Another old pit located 10 to 20 metres west exposes a grey granodioritic intrusive. The contact with the gabbro to the east is fractured and brecciated, the annealed by quartz and minor pyrrhotite. This maybe the extension of the historic contact vein to the north.



CLAIM  
3001269

mechanical Stripping  
Dawson Shaft Area  
Location & Access  
scale 1:10,000

Fig. M-1

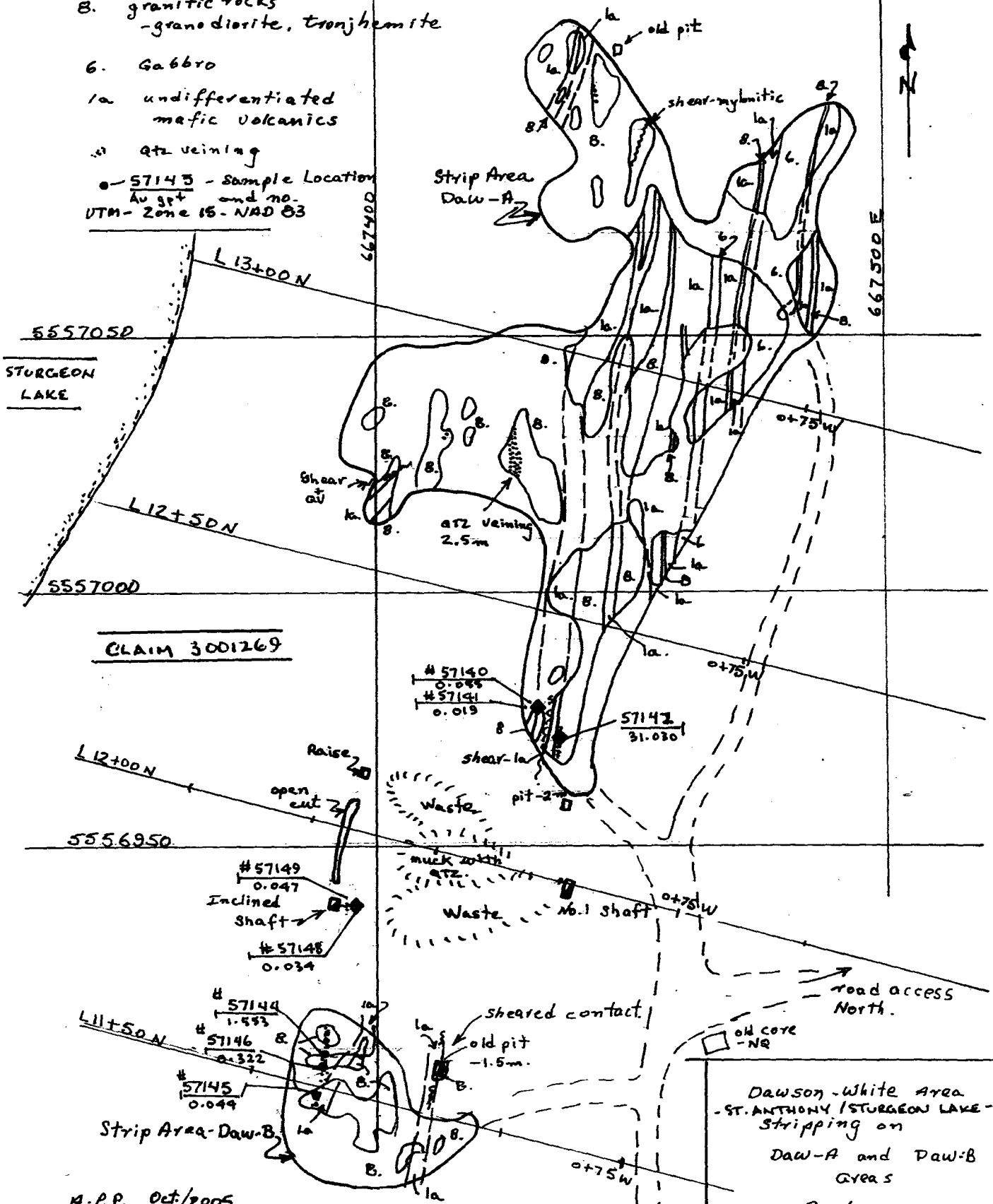


#57147  
0.008

Legend

- B. granitic rocks  
-granodiorite, tonalite
- G. Gabbro
- 1a undifferentiated mafic volcanics
- 2a Qtz veinlag

● - 57143 - Sample Location  
Aug 04 and no.  
UTM - Zone 18 - NAD 83



A.P.P. Oct/2005

Dawson-White Area  
-ST. ANTHONY (STURGEON LAKE)-  
Stripping on  
Daw-A and Daw-B  
Areas

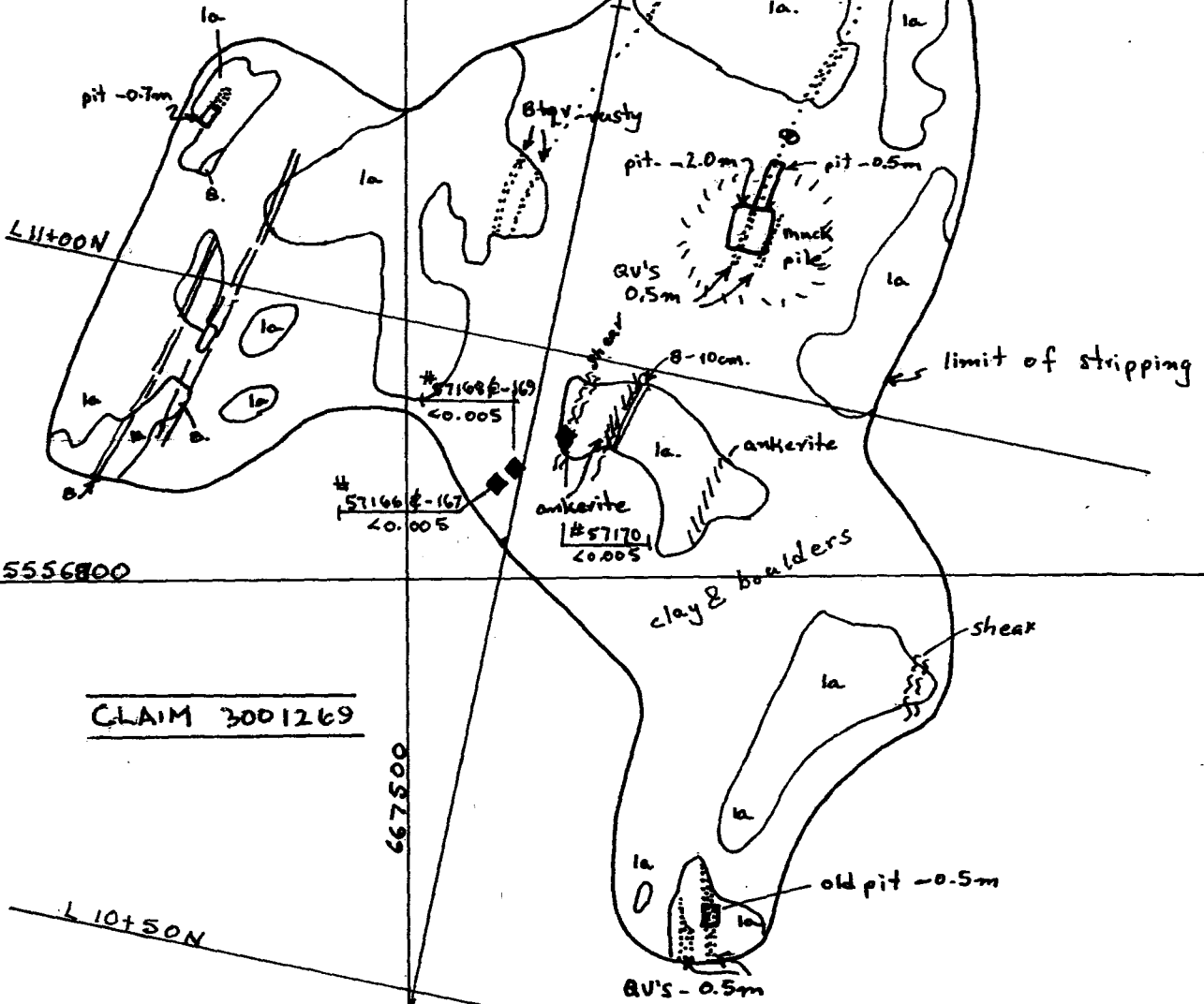
Geology

0 10 20 25 metres  
1:1,000 m

Fig M-2

Legend

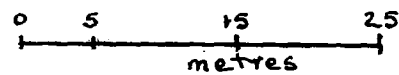
- B. granodiorite
- la. mafic volcanics
- #57170 Sample No. Au ppt. 20.005
- quartz veining
- UTM - Nad 83 - Zone 15



CLAIM 3001269

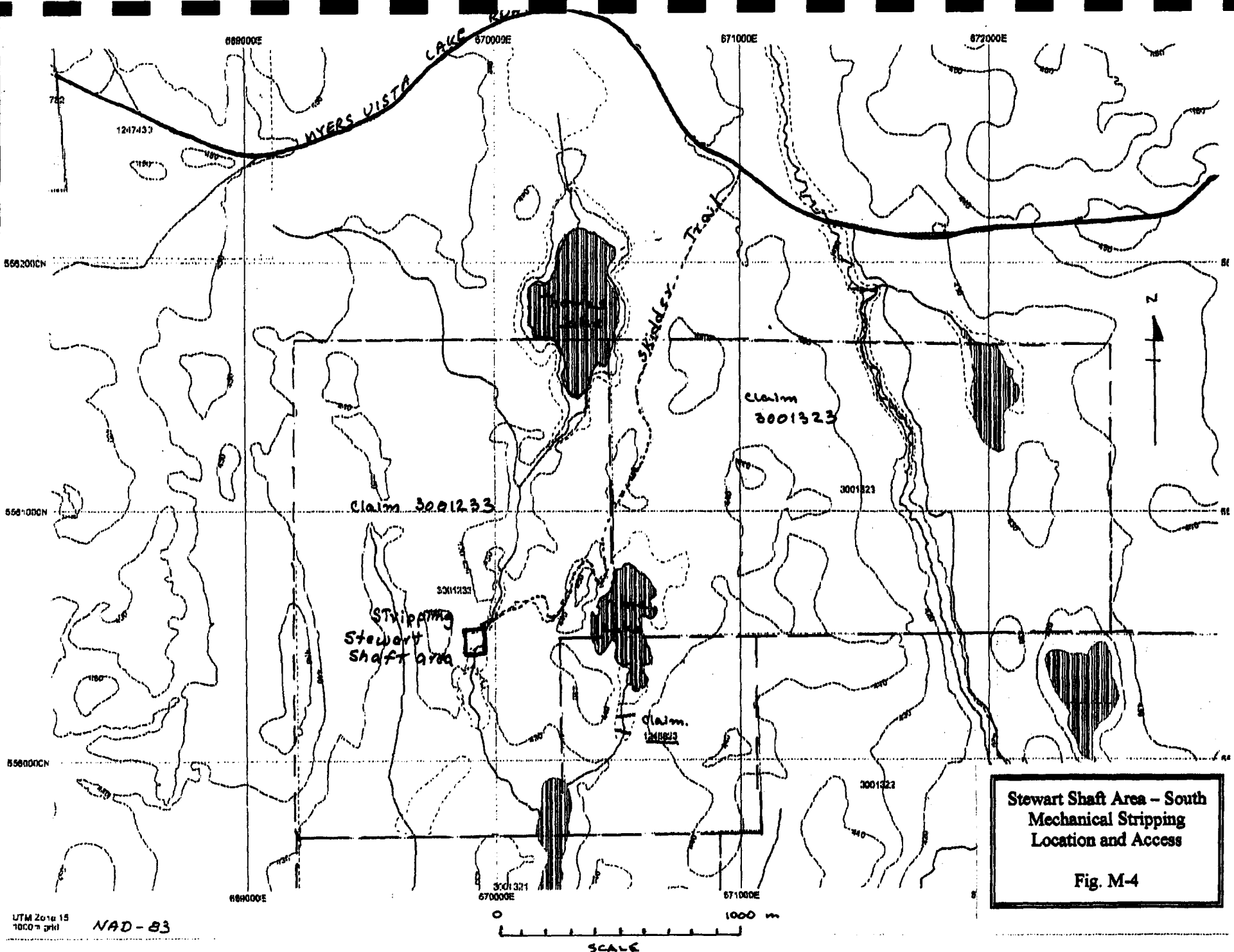
A.P.P. Oct/2005

ST. ANTHONY / SURGEON LAKE  
Dawson-White Area  
Mechanical stripping  
Area Daw-C



1:500 metric

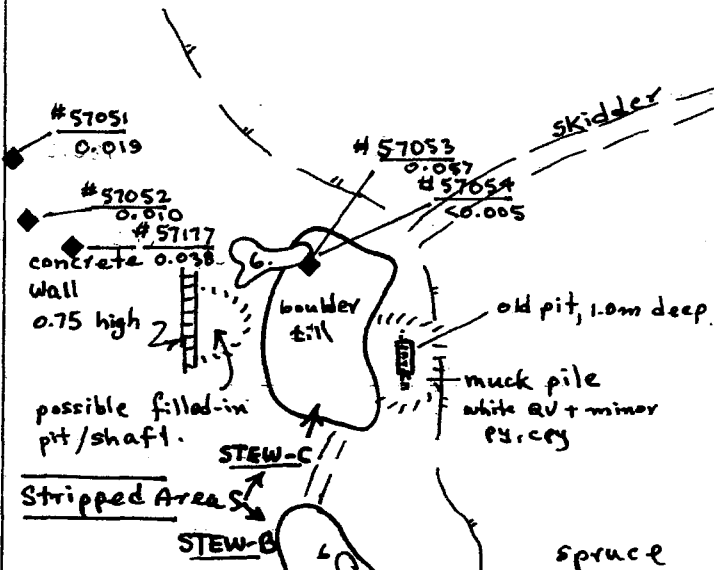
Fig. M-3



**Stewart Shaft Area - South  
 Mechanical Stripping  
 Location and Access**  
**Fig. M-4**

UTM Zone 15  
 1000 m grid  
 NAD-83

5560600 N



- Legend**
- B. Granodiorite
  - C. Gabbro
  - quartz veining
  - #57190 sample Augpt. location & no.

5560500 N

#57178  
 <0.005  
 high ground

#57192  
 <0.005

Veins: 25-40 cm  
 - py, cpy

old pit -0.5m  
 rusty vein 30 cm

Stripped Area  
 STEW-A

old trench  
 -1.0m  
 QV in sheared  
 gabbro  
 0.25-0.5m.  
 - minor sulphides

old pit -0.5m  
 QV - 25cm  
 #57190 0.017  
 #57191 <0.005  
 old pit -2.5m

old trench  
 -1.5 to 2.0m

#57179  
 0.036

CLAIM 3001233

open  
 muskeg



5560400 N

669800E

669900E

**Mechanical Stripping  
 South of Stewart  
 shaft.**

0 5 15 25  
 1 1 1 1  
 Scale 1:1,000m  
 UTM - Zone 15, NAD83  
 R.P.P. - Oct/2005

Fig. M-5

**SECTION C**

**PROSPECTING (SAMPLING) REPORT**

# PROSPECTING

## SUMMARY

Refer to the 'Mechanical Stripping' report concerning **Project / Property Name** to **Access**. Regarding this program, a boat was used to ferry the prospecting crew from Whiskey Jack Lodge - just east off Hwy # 599 and south of Savant Lake - on the west shore of Sturgeon lake. The boat was used to access the Dawson - White and St. Anthony Mine sites. A 4 x 4 truck, quad and walking into the other sites of Couture Lake and Stewart Mine showings.

**SURVEY PERFORMED BY:** Prospectors Mss. Katarina and Ruth Bjorkman, Box 1814, Atikokan, Ontario P0T 1C0

**SURVEY TYPE:** Rock sampling.

**TOTAL NUMBER OF ROCK SAMPLES:** 202

**ANALYSIS PERFORMED BY:** Accurassay Laboratories, 1046 Gorham Street, Thunder Bay, Ontario P7B 5X5

**SAMPLE ANALYSIS:** Gold (Au) reported in ppb, oz/t and g/t (ppm)

**SAMPLING METHOD(S):** Refer to enclosed 'Sample Method Report'

**PROJECT / PROGRAM SUPERVISOR:** Mr. A.P. (Tony) Pryslak, M.Sc., P.Geo.

**DATE OF SURVEY:** October 3<sup>rd</sup> to 8<sup>th</sup> and October 11<sup>th</sup> to 22<sup>nd</sup>, 2005

**TOTAL SURVEY DAYS:** 18 days (17 field days). Daily time sheet (Appendix 'A').

**DATE OF REPORT: (Revision)** - March 8<sup>th</sup>, 2006

**PURPOSE OF SURVEY:** To collect rock samples from the historical mine sites and showings occurring on Emerald Fields' property. The located sites were GPS recorded with a brief rock description.

**RESULTS:** Over a 17 day field period, 202 rock samples were collected, tagged and shipped in 2 separate batches to Accurassay Laboratories, Thunder Bay, Ontario by Greyhound Bus - sample # 57001 to #57192 and # 57201 to # 57210. All samples are UTM co-ordinated and described with assays results. The data recorded on a 7 page spread sheet (Appendix 'B'). For verification, Accurassay 'Certificate of Analysis' - 11 pages - is enclosed

(Appendix 'C'). Included is a 'generalized sample location plan' - Fig. 1. Rock samples were taken from the following 10 claims: P.1245823, P.3001233, P.3001266 to P.3001271, P.3001233 and P.3002776.

### HIGH LIGHTS

1/. Regarding 'Mechanical Stripping': a). Nine samples were taken from the Dawson-White

Sample #57140 to - 142 and #57144 to - 149. The two highest assays are #57142 @ 31.030 g/t Au and # 57144 @ 1.553 g/t.

b). Five samples from Dawson - White South site (Fig. M-3) . Sample # 57166 to - 170. They all assayed < 0.005 g/t Au.

c). From the Stewart Shaft area (Fig. M-5) , 11 sample were removed, # 55051 to - 054, 57177 - 180 and 57190 to - 192. The highest gold assay was from # 57180 @ 2.180 g/t.

2/. Some of the interesting assays from the (a) St. Anthony Mine area (Fig. P-1 & ) @ 5.160, 3.911, 40.968, 2.277, 2.224, 178.470 and 140.577 g/t Au. (b) Camp Vein (Fig. P-11) @ 10.283, 26.005, 380.718 and 310.685 g/t Au. (c) Triplex Vein ran 3.231 g/t Au (Fig. P-7). (d) Couture assayed 2.258 and 3.138 g/t Au (Fig. P-8). (e) Riviere assayed 3.979 g/t (Fig. P-11). (f) South of the Dawson - White ran 3.740 g/t Au. and (g) the Dawson - White 399.386 g/t.

The sampling and corresponding Au analysis is in process of computerization which will include the 2005 line cutting and geological mapping, etcetera. The final interpretative report and maps are being prepared.

Report Revision By: A. J. M. Mowat  
Kenora, Ontario  
March 8<sup>th</sup>, 2006

# PROSPECTING SHORT REPORT

By Katarina Bjorkman

During October 3<sup>rd</sup> 2005 and October 22<sup>nd</sup> 2005, Karl Bjorkman Prospecting completed an 18-day prospecting contract for Emerald Fields Resources on their claims in the Squaw Lake Area and Beckington Lake Area. Prospectors Katarina Bjorkman and Ruth Bjorkman worked as a team to locate and resample historic showings, and later to outline and supervise the mechanical stripping of prospective rock outcrops along the Dawson trend and the extension of the Stewart and Contact veins.

The prospectors stayed at Whiskeyjack Lodge on Sturgeon Lake, and commuted to the property by either an 18km boat ride or by truck north along Hwy 599, east on the Vista Road and then south by ATV on the newly opened summer drill road.

The primary objective was to locate and resample historic showings. We found most showings to be at or near a major mafic/felsic contact, and all within quartz veins and associated with pyrite and black sphalerite mineralization. The St. Anthony Mine was in production for gold in the early 1900s and was the first area we visited. We sampled a cross section of the No. 1 Vein at three areas: the No. 1 shaft, the incline shaft and the north shaft. Between five and six 2m chip samples were taken across stratigraphy at each location, and two to four chip samples at the other shafts. The host rock was a quartz porphyry or granite with quartz stock work on strike with foliation; with mainly weak to strong sericite alteration and minor carbonate alteration in places. Cubey iron pyrites were the prevalent mineralization along and in the quartz veins, and often locally massive in veinlets and blebs. Brown and black sphalerite were found in the main vein as well as occasional galena. In the main shaft, gold was found near the side of the 3m vein. The visible gold was close to stringers of black and brown sphalerite.

We spent the most time prospecting the Dawson Zone, north of the St. Anthony area. The Dawson vein is at the contact with mafic rock to the east and felsic intrusive on the west side. The vein is white, with little mineralization in the waste rock. However, there was pyrite and black sphalerite in quartz veins in pits further south. There were numerous trenches south of the main shaft so it was decided to focus to the north. We located and flagged areas to be stripped by a bulldozer and did general prospecting to the north and east along the La Riviere Zone.

West of Mine Lake at the north end of the property we flagged a road in to access the Stewart and Contact shafts. The shafts were located, sampled and flagged off. Prospecting was carried out to determine areas to be mechanically stripped and further sampled south along the mineralized trend. A prospector supervised the stripping done by skidder.



We located and sampled the Camp Vein, 100m west of Couture Lake, and the Couture Lake North Vein. The Camp vein strikes approximately E-W, unlike the other areas visited, and sits within green schist. The vein is 50cm wide and well mineralized with black sphalerite and chalcopyrite. Ruth found two nice specimens with visible gold. The Couture Lake Main shaft is covered with concrete slabs, so we sampled the waste and the extensive system of trenches and pits. We found the rock to be strongly sheared fine-grained mafic, with pervasive carbonate and blue-grey quartz veins. The area was well mineralized with locally massive sulphide veins grading down to 1% disseminated sulphide. Drill collars and front sites were set up at both the Camp and Couture Lake North Veins in preparation for the helicopter drill program.

The triplex veins, located 20 meters east Thomas Lake at the north end of the property were sampled by chip and grab samples across stripped outcrop and old trenches. We found fine-grained mafic rock, strongly sheared and at times crenulated with strong, pervasive carbonate alteration east of and within the veins. To the west (lake side) was a QFP, with blue quartz eyes. The veins we seen were anastomosing and boudinaged with sporadic mineralization of mostly blocky iron pyrites. There were some mineralized shear zones with semi-massive fine pyrite, pyrrhotite, chalcopyrite, and pentlandite. The mafic rock had between 1-5% pyrite/pyrrhotite disseminated throughout.

## APPENDIX 'A'

### DAILY LOG OF PROSPECTING ACTIVITIES Emerald Fields Resource Corporation

#### - St. Anthony / Sturgeon lake Fall 2005 Program -

Type of Survey: Rock Sampling (GPS sample location established)

<u>Date</u>	<u>Description</u>
Oct. 3, /05	- Travel by truck from Atikokan, Ont. to Savant Lake. Set-up base at Whiskey Jack Lodge. The lodge is located east of Hwy # 599 on the west shore of Sturgeon Lake. About 15 km west of Emerald Fields's property. Meet with Project manager, Mr. Pryslak regarding exploration program.
4	- Boated across Sturgeon Lake from lodge to the St. Anthony Mine site landing. A traveled distance of about 15 km. Took trail to the mine site. Collected 18 rock samples # 57001 to -18. Returned to lodge.
5	- Return to mine area. Collect another 4 samples # 57019 to -23. Returned to base.
6	- By truck drive around to the Stewart Shaft trail. By quad and walking go to the Triplex showing. Collect samples # 57024 to -042 - 24.
7	- Return to the area noted above. Visited and collected rock samples up to Stewart Shaft. 12 samples taken #5 7043 to -054.
8	- Return to St. Anthony and collected additional samples. Went north by boat To the Bucke Shaft. 17 samples, in total, were collect. # 57055 to - 071. Returned by boat to lodge. Packed the remaining samples and dropped off on route to Atikokan. Sample - batch #1- shipped to Accurassay Lab., Thunder Bay for processing.
11	- Returned from Atikokan to Whiskey Jack Lodge.
12	- Went to Couture Lake and took 18 samples # 57072 to -099. Returned to Lodge.
13	- Returned to the west shore of Couture Lake and collected 2 samples north of a river flowing into Couture. Traveled south to the Camp Vein and collected additional samples. Total for the day was 11, # 57100 to -110.

Returned to Lodge by boat.

- 14 - Went to the Riviere showing. Grabbed 5 samples # 57111 to -115. Walked north and collected another 8 samples on route # 57116 to -123. Returned to Lodge.
- 15 - By boat returned to the Dawson-White area, north of the St. Anthony. 12 samples gathered # 57124 to -135. Returned by boat.
- 16 - 2<sup>nd</sup> day back to Dawson-White collected 4 samples # 57136 to -139.
- 17 - 3<sup>rd</sup> day collected an additional 10 samples around the area # 57140 to -149.
- 18 - Went north of the Dawson-White mine and collected 6 samples working our way along Sturgeon L. Shore starting at GPS co-ordinate 667685 E by 5557519. A total of 22 samples collected # 57150 to -171.
- 19 - By trail and traversing starting at GPS 670488 E by 5561059N, collected 18 samples # 57172 to -189.
- 20 - Returned by boat to the St. Anthony Mine area and collected an additional 13 rock samples # 57190 to -192 and # 57201 to -210. Returned to Lodge. Pack samples - batch # 2 and returned to Atikokan dropping samples on route to Accurassay, Thunder Bay.  
End of contract.

#### Summary

- A total of 202 rock samples were collected over a 17 working field period by two. Two batches of samples were shipped for Au analytical analysis to Accurassay Laboratories in Thunder Bay.
- Totaled truck mileage recorded is 2,599 km
- Estimated boat travel is 420 km
- Estimated land traversing is about 114 km

Signed : "Katarina Bjorkman"

"Ruth Bjorkman"

Licenced Ontario Prospectors

APPENDIX 'B'

St. Anthony Property: Prospecting Sample Descriptions Fall 2005											Assay
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57001	15U	666634	5552895	Qtz knob in sericite schist. 70% qtz.	semi-msv py in schist	ser, min carb			Loose-local	grab	5.760
57002	15U	666636	5552883	70% QV through mg'd Quartz-Porphyry	min-10% py cube py; loc sphal	ser, min carb	50			2m chip	3.911
57003	15U	666631	5552889	60% QV through mg'd QP schist	1-4% blocky py	ser, min carb, rust frags			along shaft	2m chip	0.053
57004	15U	666634	5552890	60% QV through mg'd QP schist	3-4% bleby cube py	ser, min carb, rust				2m chip	0.205
57005	15U	666631	5552883	80% QV through mg'd QP schist	5-15% cube py, gal? Sphal?	ser			above stope	2m chip	40.968
57006	15U	666626	5552897	70% Qtz in QP	min-1/2% cube py	ser, min carb				2m chip	0.093
57007	15U	666635	5552898	25% Qv in QP	min cube py	ser	25			2m chip	0.078
57008	15U	666638	5552900	50% Qtz, 50% QP schist	.5% cube py loc galena	ser			Loose-local	from dump	0.690
57009	15U	666645	5552904	95%qtz, 5% QP; clear qtz	1-15mm cube py	ser			Loose-local	from dump	0.153
57010	15U	666651	5552903	80% qtz, 20% QP	2% cube py; loc gal, sphal	ser			Loose-local	from dump	0.502
57011	15U	666650	5552903	40% QV, 60% QP	15% msv py; 1-3% py in QP	ser			Loose-local	from dump	5.340
57012	15U	666653	5552901	QV	Sphal, gal?	red-orange			Loose-local	from dump	0.101
57013	15U	666635	5552909	Mg'd QP	min cube py	min ser, min carb				2m chip	0.007
57014	15U	666631	5552909	QP with 30% qzt stockwork	min diss py	ser				2m chip	0.121
57015	15U	666629	5552974	85% QV in QP	min py	min ser, rust frags				1.7m chip	0.053
57016	15U	666622	5552968	85% Qtz in QP	min py, black sphal	ser, rust				1.5m chip	0.390
57017	15U	666625	5552963	QP with 30% qzt	min cube py, black sphal	ser, rust				grab	0.119
57018	15U	666627	5552965	QP with 60% qzt	min cube py, black sphal	ser, rust				grab	1.225
57019	15U	666476	5552792	Qtz vn		red-rusty				chip	0.616
57020	15U	666453	5552800	Granodiorite, 20% QV	1% py	ser				chip	0.073
57021	15U	666448	5552795	Granodiorite, 20% QV	1% py	ser				chip	0.007
57022	15U	666443	5552796	Sugary Qtz		red				1m chip	0.045
57023	15U	666445	5552803	Sugary Qtz		red				1.7m chip	0.184
57024	15U	670569	5561924	12" Carb vn with 1-2mm qtz vns x-cutting and aing sk					Triplex Vns	grab	<0.005
57025	15U	670569	5561923	2-5cm anast. QV in cren, sh'd fgr'd maf	min py along edges	str perv carb			south strip	grab	<0.005
57026	15U	670567	5561930	Fgr'd maf, v. dark, striy sh'd	5-10% f-m py diss + ln bands	perv carb	340			grab	0.007
57027	15U	670569	5561928	5-10cm Carb vn in maf	py conc by maf seams, tr cpy					grab	<0.005
57028	15U	670566	5561922	Fgr'd fels volc; sh'd; 1-2% blue qtz eyes	min diss py	str perv carb				grab	<0.005
57029	15U	670560	5561929	4cm Q-C vn x-ling fol'n in QFP?, blue qtz eyes	tr cpy	carb				grab	<0.005
57030	15U	670567	5561929	Sh'd QFP with Qtz stockwork, 1.7mm mica xtals	min f. diss py along QC vn, tr cpy	perv carb			in pit	grab	0.005
57031	15U	670559	5561944	4-8cm Q-C vn in sh'd fgr'd mafic.	tr-min py	chl				grab	0.031

St. Anthony Property: Prospecting Sample Descriptions Fall 2005										Assay	
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57032	15U	670558	5561942	Q-C vn in fels schist, 2-5% blue qtz eyes; 50% QV	1% f. diss py	chl, ser				grab	0.016
57033	15U	670558	5561942	Fgr'd fels schist with 5% blue qtz eyes	min-1% f. diss py	chl, purple colour				grab	0.005
57034	15U	670556	5561947	7 cm fels volc shear, silicious	msv + semi msv py bands	carb	345			grab	3.231
57035	15U	670552	5561943	40cm QV with maf seams and incl.	tr py	carb, ser				grab	0.090
57036	15U	670554	5561946	Q-C vn in maf schist	min+ diss py along mica, maf	carb				grab	0.041
57037	15U	670542	5561959	Schist w. sulf band	5-10% py	rust			north strip	grab	0.071
57038	15U	670540	5561959	30 QV anastomosing	chunky py	rust				grab	0.011
57039	15U	670544	5561951	Schist w. sulf band	semi-msv sulf in layers	rust	320			grab	0.261
57040	15U	670546	5561954	30cm Carb vn w. 30% qtz stgrs + blobs, 5% maf incl	loc fine py + tr cpy		320			grab	0.017
57041	15U	670551	5561983	50cm shear QFP with blue qtz eyes	sulphide bands	perv carb	335		next to maf	grab	0.049
57042	15U	670541	5561987	Shear in f-mgr'd QFP, white qtz eys	msv py bands	str perv carb	360			grab	0.033
57043	15U	670448	5560897	Crenulated schist, min sil flooding	30% py, pent? (pink hue), pos sphal		320	non mag	along QV	grab	0.016
57044	15U	670448	5560898	8" milky grey QV in fels schist	diss cube py	rusty fract	320	non mag	in pit	grab	0.005
57045	15U	670451	5560897	Felsic schist, partly cren'd, zone at least 5m wide	5-10% str py/po/pent/cpy, min nic	rust	340	loc mag	in pit	grab	0.033
57046	15U	670451	5560893	Folding fels schist, 50-30cm mineralized zone	msv py	rust	~30			grab	0.114
57047	15U	669748	5560519	QV in Carb schist; mostly white, partly grey, x foln		rust	230		pit near Stew	grab	0.005
57048	15U	669747	5560518	Fels schist w 10% QV (5mm)	min fine sulf	rust					0.005
57049	15U	669731	5560554	QFP? 10% sil flooding + min maf wisps	loc + dis py/po/cpy, tr nicolene			loc mag	cnt shaft	grab	0.063
57050	15U	669726	5560542	Mgr'd Gabbro w 1.5mm qtz stgr	fine stgr sulf	rust		loc mag	cnt shaft	grab	0.037
57051	15U	669801	5560558	1m QV at rose/rusty part, with maf seams	loc cube py	rust	310		stew shaft	grab	0.019
57052	15U	669803	5560555	Mgr'd Mafic		rusty fract			stew shaft	grab	0.010
57053	15U	669841	5560544	60% Qtz + 20% Maf contact; sh'd	2mm msz py vn, 20%		290		pit near Stewart		0.057
57054	15U	669841	5560544	M-cgr'd gabb	py/po + cpy in fract	rusty fract			Loose-local	grab	0.005
57055	15U	666576	5552806	Mgr'd Mod sh'd Granite by QV	30% py in shear, min py	yellow-orange			shaft	grab	0.851
57056	15U	666576	5552805	20cm white QV in ser schist	tr py	rusty fract			shaft	grab	0.006
57057	15U	666581	5552802	V. fgr'd mafic schist; dark and competent	10% fine stgr py/br sphal, min cpy, p	carb			waste	grab	0.216
57058	15U	666581	5552800	V. fgr'd mafic schist w 60% boudinaged qtz veining	min-3% stgr py/sphal/cpy, tr-m nic	carb			waste	grab	0.007
57059	15U	666595	5552804	2cm Q-C vn in Mafic schist	msv pink sphal? + cpy in vn, tr bor				waste	grab	0.483
57060	15U	666599	5552804	Mgr'd Granite w 30% QV	5% blocky py, sphal	ser			waste	grab	2.251
57061	15U	666609	5552839	2m QV	4% black + brown sphal in maf seams				Main shaft	grab	178.97
57062	15U	666610	5552839	2m QV with fels intr schist	1% blk + brn sphal + py in seams	ser			Main shaft	grab	190.57

St. Anthony		Property: Prospecting Sample Descriptions Fall 2005													
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	As say				
57063	15U	668227	5558614	2m QV in Mafic schist, fractured		orange alt'n	70		Near Bucke	grab	0.377				
57064	15U	668261	5558689	10cm QV in dk green sh'd Mafic voic	tr py		30			grab	0.263				
57065	15U	668408	5558472	30cm QV with maf seams, fract'd, vuggy, x-ing foln			335			grab	0.565				
57066	15U	668431	5558464	Vfgr'd sh'd mafic; competent, min cc vns		rusty fract's	300			grab	0.075				
57067	15U	668429	5558466	Vfgr'd sh'd mafic; competent, min cc vns	min-1/2% po, cpy, bornite, sphal?	str perv carb			Loose-local	grab	0.023				
57068	15U	668548	5558538	Mafic schist with 50% qtz veining	tr-min sulf		360		by pit/shaft	grab	0.034				
57069	15U	668543	5558542	1.5m QV in maf schist	tr-min sulf		360		by pit/shaft	grab	0.008				
57070	15U	668477	5558572	30cm bland QV with sug txt along cnt with maf schist	tr sulf					grab	<0.005				
57071	15U	668350	5558737	10cm QV in maf schist w maf wisps	tr sulf	yellow-orange	40			grab	<0.005				
57072	15U	669609	5557374	Mgr'd sh'd maf; 30% plag; 3% blue qtz eyes	min diss py		50	non mag		grab	<0.005				
57073	15U	669589	5557382	F-mg'd Felsic silicic schist, orange-grey	min diss py	carb, rusty fract's	350			grab	<0.005				
57074	15U	669583	5557390	Mgr'd FP?? Schist, 1% blue qtz eyes, 5% spec hem	1/2 % str sulf	str perv carb	360			grab	<0.005				
57075	15U	669584	5557408	M-cgr'd FP, 5% hem	1/2 % fine diss sulf	str perv carb	10			grab	<0.005				
57076	15U	669500	5557384	10cm fgr'd + dark maf shear	1/2 % fine diss sulf	mod- wk carb	40			grab	<0.005				
57077	15U	669491	5557387	5cm white QV in sh'd mafic		loc rust	40			grab	<0.005				
57078	15U	669487	5557235	70% plag; 30% maf.	min-1/2% fine diss sulf	mod perv carb	350			grab	<0.005				
57079	15U	669507	5557229	10cm QV between carb zone and mafic schist					in pit	grab	<0.005				
57080	15U	669804	5557358	Carb bx/schist w x-cutting QVs	sulfides	perv carb			pit	2m chip	<0.005				
57081	15U	669799	5557361	Qtz-carb vein in mafic schist	5% sulf	carb			Loose-local	grab	<0.005				
57082	15U	669790	5557317	Dk grey-blue Q-C vn	40% msv + cube py	carb			Loose-local	grab	2.258				
57083	15U	669779	5557314	Carb-ser schist	5% fine py/po	carb ser		loc mag	Loose-local	grab	0.251				
57084	15U	669781	5557317	Msv sulf	msv py	min QC			Loose-local	grab	3.138				
57085	15U	669782	5557319	Felsic schist, green minerals--chl	10% po/py	carb/ser			Loose-local	grab	0.018				
57086	15U	669769	5557272	Crushed rock from pile--grey schist, min qtz		rust				5 handfuls	0.123				
57087	15U	669783	5557277	Crushed rock from pile--grey schist, min qtz	sulfides					5 handfuls	0.037				
57088	15U	669749	5557237	Felsic schist w 5% qtz vn	1-15% sulfides	ser, str perv carb	50		trench	2m chip	0.471				
57089	15U	669757	5557222	Felsic schist- light grey-pea green	2-5% po	str perv carb	10	loc mag	trench	2m chip	0.568				
57090	15U	669754	5557221	Felsic schist w 2x7cm QVs	1-7% po/py	ser, str perv carb	10		trench	1.5m chip	0.226				
57091	15U	669754	5557223	Q-C vn	semi msv py/po	carb			trench	grab	0.426				
57092	15U	669740	5557225	felsic schist	10% py	str perv carb			Loose-local	grab	0.018				
57093	15U	669753	5557229	40cm white QV with 20% carb; x veining	sulf in veinlet	carb			trench	chip	0.352				

St. Anthony Property: Prospecting Sample Descriptions Fall 2005										Assay	
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57094	15U	669738	5557218	Felsic tuff schist	5% sulf	carb, rust			trench	50cm chip	0.338
57095	15U	669743	5557222	Felsic tuff schist w carb veins	5% sulf	carb, rust			trench	1.5m chip	0.144
57096	15U	669737	5557227	Qtz-ser schist	10-15% py	str perv carb			Loose-local	grab	0.900
57097	15U	669763	5557221	Footwall of QV: felsic schist	5% sulf	ser, carb			trench	50cm chip	0.302
57098	15U	669733	5557207	Sulphide breccia with lt blue quartz fragments	5-10% sulf				trench	20cm chip	0.175
57099	15U	669733	5557207	White + grey Qtz	min sulf				Loose-local	grab	0.020
57100	15U	668226	5555867	Silicified mafic schist, competent	fine po/sphal along rusty carb seams	sil, carb			Loose-local	grab	0.005
57101	15U	668229	5555870	Sil'd schist with 50% Qtz veins	3% sphal, min cpy, born				Loose-local	grab	0.007
57102	15U	668219	5555868	1cm vein in Mafic volc	cpy in vn				under tree, lg	grab	0.120
57103	15U	668043	5555803	50 cm qtz vein	1% sphal, 1% gal, 1% cpy				Camp vein	60cm chip	10.283
57104	15U	668049	5555593	Fgr'd maf schist, Hanging wall	3% po, sphal, cpy	sil, carb			Camp vein	grab	0.570
57105	15U	668049	5555595	Quartz	msv gal bands, 1% cpy + sphal				Camp vein	grab	26.005
57106	15U	668059	5555592	Quartz + maf seams	2% cpy, 1% gal + sphal				Camp vein	grab	380.718
57107	15U	668057	5555593	Quartz	4% gal, 1% cpy + sphal				Camp vein	grab	1.919
57108	15U	668057	5555591	Quartz	3% cpy, 2% gal, 1% sphal				Camp vein	grab	310.685
57109	15U	668057	5555590	Quartz	min cpy, min gal				Camp vein	grab	0.078
57110	15U	668057	5555590	Quartz + maf schist	min sulf				Camp vein	grab	0.914
57111	15U	667627	5556248	Sil'd schist	2% fine diss sulf		30		La Riviere, S	grab	0.066
57112	15U	667664	5556298	Qtz, white and rosey					La Rivierre	chips, pit	3.979
57113	15U	667664	5556298	Mafic schist	sulf				La Rivierre	chips, pit	1.143
57114	15U	667672	5556398	Sil'd Mafic schist and 30% Qtz	2% fine diss sulf		30		LR pit, North	grab	0.090
57115	15U	667659	5556284	Sil'd Mafic schist and 15% Qtz stringers	1-3% fine diss sulf		30		La Rivierre	grab	0.046
57116	15U	667758	5556613	Mafic schist w 5% qtz stgrs	1/2 % diss py		30			grab	0.018
57117	15U	667781	5556760	Sil'd mafic schist	1/2 % blebby + fine diss sulf	carb, hem, rusty			angular 1m lg	grab	0.017
57118	15U	667835	5556778	Schist; mushy and grey			30		guck from pit	grab	0.012
57119	15U	667833	5556778	Schist with 40% qtz stgrs	2% py + sphal		30		copper pit	grab	0.005
57120	15U	667843	5556772	Sil'd Mafic schist w 80% qtz	5-10% diss py, 1% sphal		30		copper pit	grab	0.056
57121	15U	667837	5556775	Loose Qtz piece	tr mal, tr py; fine sulf in schist	red-orange alt'n			from pit	grab	0.005
57122	15U	667841	5556777	Loose Qtz piece	Loc blobs cpy and msv sphal band	rose, rusty			from pit	grab	0.012
57123	15U	667861	5556821	Sil'd schist	2% fine diss sulf		30			grab	0.006
57124	15U	667341	5556647	Mgr'd tuff, 60% plag; partly schistose	gobby cpy and py		20		Dawson Vn	grab	0.056

St. Anthony		Property: Prospecting Sample Descriptions Fall 2005									
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57125	15U	667339	5556647	30cm Quartz vein	leaching sulf	red, rusty		20	Dawson Vn	grab	0.044
57126	15U	667359	5556702	Qtz + Granite piece	loc cpy, sphal, po			-90	Dawson Vn	grab	0.998
57127	15U			50cm Qtz vn	py	rust		-90	Dawson Vn	grab	3.740
57128	15U	667314	5556576	F-mgr'd Granite, sh'd	min-1/2% diss sulf	rusty fract		60	Dawson Vn	grab	2.267
57129	15U	667305	5556581	Mafic schist, bending	1/2-1% blebby py	carb		20	Dawson Vn	grab	0.107
57130	15U	667307	5556578	2cm QV in Granite	min py	rust			Dawson Vn	grab	0.086
57131	15U	667301	5556542	Qtz vn + Granite	tr-min py	orange alt'n			Loose-local	grab	0.047
57132	15U	667300	5556540	Qtz vn + Mafic seams	min diss py				Loose-local	grab	0.010
57133	15U	667288	5556496	Qtz-Carb in Granite	min diss py				Loose-local	grab	0.158
57134	15U	667293	5556489	30cm Qtz vn in Mafic schist, bending	loc py	rusty fract		20-40	Dawson Vn	grab	399.386
57135	15U	667269	5556107	V. fgr'd sh'd mafic w 2% q-c veining	py/cpy in veinlets				Loose-local	grab	3.404
57136	15U	667035	5555924	75cm Qtz Vein in Mafic	py, tour along edge				shore	grab	0.715
57137	15U	667035	5555924	75cm Qtz Vein in Mafic	py, tour along edge				shore	grab	0.049
57138	15U	667035	5555924	75cm Qtz Vein in Mafic	py, tour along edge				shore	grab	0.138
57139	15U	667035	5555924	75cm Qtz Vein in Mafic	py, tour along edge				shore	grab	0.019
57140	15U	667431	5556975	Carb + bt		rust		20	Float	grab	0.055
57141	15U	667431	5556974	Fgr'd Mafic schist	sulf along qtz stgr	carb		20	strip area	grab	0.019
57142	15U	667435	5556969	Qtz vn along ctc in maf-gran		rust				grab	31.030
57143	15U	667285	5556184	Mafic schist w min qtz stgr	min-1/2% diss sulf			40		grab	0.816
57144	15U	667378	5556908	Qtz in mafic schist	cpy + sphal by maf seams					grab	1.553
57145	15U	667369	5556903	Qtz vn in gran		rust				grab	0.044
57146	15U	667375	5556909	Sil'd Granite w qtz stgr	10-20% blocky py				Float	grab	0.322
57147	15U	667426	5557128	1-2cm qtz vn in gran	sphal along seams			360	Loose-local	grab	0.008
57148	15U	667396	5556933	Gran + maf layers	x-cutting sulf veinlets				Loose-local	grab	0.034
57149	15U	667396	5556935	Gran w mm Qtz stgrs	sphal along seams				Loose-local	grab	0.047
57150	15U	667685	5557519	60cm mafic shear w qtz + cc veinlets	cpy along vns	rust		30		grab	0.016
57151	15U	667665	5557524	Sil'd granite at cnt with mafic	diss + blebby py and sphal					grab	40.005
57152	15U	667662	5557519	Fgr'd maf w boudinaged qtz vn	loc cpy + sphal				talace materi	grab	40.005
57153	15U	667685	5557486	Sil'd sh'd granite dyke	min sphal, tr cpy	red-hem		70		grab	40.005
57154	15U	667685	5557483	Mafic schist w 30% Qtz vns	cpy + sphal	perv carb			Float	grab	40.005
57155	15U	667688	5557483	Qtz blob		rust				grab	40.005



St. Anthony Property: Prospecting Sample Descriptions Fall 2005										Assay	
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57156	15U	667703	5557486	Layered Qtz vein	loc aspy, tr born				Float	grab	40.005
57157	15U	667702	5557484	Red sil'd dyke, cherty	v. fine diss sulf		40			grab	40.005
57158	15U	667788	5557574	QV in mafic schist from pit, 30cm	tr sulf	rust				grab	40.005
57159	15U	667632	5557445	Granite dyke + Qtz veinlet	py, sphal, cpy in vn		30			grab	1.615
57160	15U	667612	5557434	Fault cutting sh's mafic + gran dykes	1% diss sulf		80			grab	0.010
57161	15U	667575	5557370	Grey-white Qtz vn	3% sphal		75		Loose-local	grab	0.086
57162	15U	667575	5557370	Rose Qtz	loc pockets aspy	rust	75		Loose-local	grab	0.075
57163	15U	667575	5557370	80% Mafic schist + QV	30% blebby py in maf	perv carb	75		Loose-local	grab	0.248
57164	15U	667575	5557370	1cm vein in Mafic volc	30% blebby py in maf	carb	75			grab	0.118
57165	15U	667364	5556855	Qtz vein in Granite	blebby		40			grab	0.029
57166	15U	667520	5556818	Mafic w 5% Qtz stgrs	1% fine diss py					grab	40.005
57167	15U	667520	5556818	White + reddish Qtz		red				grab	40.005
57168	15U	667523	5556822	Sheared Mafic w 10% Qtz veins	2% diss py	rust				grab	40.005
57169	15U	667524	5556822	50cm Qtz vein, 10% mafic	5% py					grab	40.005
57170	15U	667534	5556831	50cm Qtz vein, 10% mafic	5% py					grab	0.006
57171	15U	667347	5556946	Qtz	5% cube py, 3% sphal				loose-local	grab	32.428
57172	15U	670488	5581059	Mgr'd Gabbro, sh'd	min-1/2% diss py		40			grab	0.063
57173	15U	670511	5580764	Mafic schist w 40% Qtz	1% stgr py + sphal	perv carb	15			grab	0.035
57174	15U	670493	5560762	Felsic schist	5-10% stgr sulf				Loose-local	grab	0.018
57176	15U	670011	5560532	Mgr'd Gabbro, 60% px	5-7% blebby po/py	rust		loc mag	Loose-local	grab	0.015
57177	15U	669807	5560544	Quartz pieces and powder	blocky py	rust, red			From Stew	grab	0.038
57178	15U	669830	5560471	Mgr'd Gabbro + Qtz vein	5% po/py	rust	310			grab	40.005
57179	15U	669868	5560362	Qtz + Mafic schist: 50% Qtz; 10% maf	40% sphal	rust			piece from pit	grab	0.036
57180	15U	669868	5560360	Qtz + Mafic schist	10% msv py veins	rust			piece from pit	grab	2.180
57181	15U	670634	5560651	Cherty QV	min-1/2% diss sulf	rust, carb	340			grab	35.959
57182	15U	670721	5560253	Mafic schist w 30% Qtz vn	10% blebby sulf in maf	rust, carb			Mine L. dump	grab	0.052
57183	15U	667243	5556841	4cm QV in granite	2% py	min carb				grab	0.593
57184	15U	667241	5556845	4cm QV in granite	1/2% py	min carb				grab	0.888
57185	15U	667234	5556861	2cm sug QV in Granite	min py					grab	0.027
57186	15U	667223	5556853	15cm QV in sh'd Granite	tr moly, min py					grab	2.327
57187	15U	667201	5556897	Bland white QV in granite	min sulf					grab	40.005
57175	15U										0.037

St. Anthony Property: Prospecting Sample Descriptions Fall 2005										Assay	
Sample #	GPS Loc	Easting	Northing	Rock Type	Mineralization	Alteration	Strike	Magnetic	Comments	Type	Assay
57188	15U	667199	5556906	10cm grey QV in granite						grab	0.007
57189	15U	667202	5556935	Mgr'd blk + wht Granite	min sulf					grab	0.021
57190	15U	669856	5560385	F-mgr'd Gabbro, s+p txt	min sulf					grab	0.017
57191	15U	669854	5560387	Qtz vn	tr-min sulf	min carb			Loose-strip	grab	<0.005
57192	15U	669847	5560439	QV in Mafic schist	tr-min sulf	min carb			Loose, pit	grab	<0.005
57201	15U	668263	5555761	White QV in sh'd mafic; 70% qtz	loc py	rust	30		Old pit	50cm chip	0.005
57202	15U	668263	5555758	Sil'd, cherty, grey fel? Schist	10% fine diss sulf, sphal		40		Old pit	grab	<0.005
57203	15U	668263	5555758	Sil'd, cherty, grey Schist, min qv's	2% fine diss sulf, sphal		40		Old pit	1m chip	0.011
57204	15U	668262	5555759	Sil'd, sh'd white + grey marble txt	2-3% fine sphal, py + min cpy	rusty fract	35		Old pit	grab	<0.005
57205	15U	668256	5555751	1-4cm Qtz vns in Mafic schist	tr-min rusty sulf	rust	50		rolled qtz	10cm chip	<0.005
57206	15U	668420	5555745	Mgr'd + sh'd Granodiorite	5% fine diss stgr sulf				Float	grab	<0.005
57207	15U	668346	5555853	1-7cm Qtz vn, boud + anast, in maf		rose, rusty	30			grab	<0.005
57208	15U	667864	5555144	30cm QV in Mafic schist	loc sulf in vn + diss in m.s.	rust			Loose	grab	<0.005
57209	15U	666810	5553482	Sh'd Gran @ cnt w. Mafic; 20% QV	1% diss sphal	perv carb			Old pit	grab	1.690
57210	15U	666773	5553042	1+m QV in carb/ser granite	3% chunky cube py	rusty fract				grab	0.701

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Friday, November 04, 2005

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 Kenora, ON, CA  
 P9N2K2  
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 Fax#: (807) 468-9792  
 Email emerald@voyageur.ca

Date Received : 13-Oct-05  
 Date Completed : 03-Nov-05  
 Job # 200541884

Reference :

Sample #: 71      Rock

**BATCH - 1**

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)	
126902	57001	5160	0.151	5.160	ST AUTH / P-1 #3
126903	57002	3911	0.114	3.911	ST AUTH / P-1 #3
126904	57003	53	0.002	0.053	
126905	57004	205	0.006	0.205	
126906	57005	40968	1.195	40.968	ST AUTH / P-1 #3
126907	57006	93	0.003	0.093	
126908	57007	78	0.002	0.078	
126909	57008	690	0.020	0.690	
126910	57009	153	0.004	0.153	
126911	57010	518	0.015	0.518	
126912 Check	57010	486	0.014	0.486	
126913	57011	5340	0.156	5.340	
126914	57012	101	0.003	0.101	
126915	57013	7	<0.001	0.007	
126916	57014	121	0.004	0.121	
126917	57015	53	0.002	0.053	
126918	57016	390	0.011	0.390	
126919	57017	119	0.003	0.119	
126920	57018	1225	0.036	1.225	
126921	57019	616	0.018	0.616	
126922	57020	66	0.002	0.066	
126923 Check	57020	79	0.002	0.079	
126924	57021	7	<0.001	0.007	

PROCEDURE CODES: AL4Au3

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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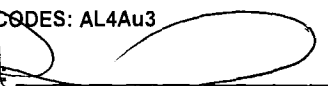
Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
126925	57022	45	0.001	0.045
126926	57023	184	0.005	0.184
126927	57024	<5	<0.001	<0.005
126928	57025	<5	<0.001	<0.005
126929	57026	7	<0.001	0.007
126930	57027	<5	<0.001	<0.005
126931	57028	<5	<0.001	<0.005
126932	57029	<5	<0.001	<0.005
126933	57030	5	<0.001	0.005
126934 Check	57030	<5	<0.001	<0.005
126935	57031	31	<0.001	0.031
126936	57032	16	<0.001	0.016
126937	57033	<5	<0.001	<0.005
126938	57034	3231	0.094	3.231
126939	57035	90	0.003	0.090
126940	57036	41	0.001	0.041
126941	57037	71	0.002	0.071
126942	57038	11	<0.001	0.011
126943	57039	261	0.008	0.261
126944	57040	17	<0.001	0.017
126945 Check	57040	17	<0.001	0.017
126946	57041	49	0.001	0.049
126947	57042	33	<0.001	0.033

*Tr. Vein / P-7*

PROCEDURE CODES: AL4Au3

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Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)	
126948	57043	16	<0.001	0.016	
126949	57044	<5	<0.001	<0.005	
126950	57045	33	<0.001	0.033	
126951	57046	114	0.003	0.114	
126952	57047	<5	<0.001	<0.005	
126953	57048	<5	<0.001	<0.005	
126954	57049	63	0.002	0.063	
126955	57050	34	<0.001	0.034	
126956	Check 57050	40	0.001	0.040	
126957	57051	19	<0.001	0.019	
126958	57052	10	<0.001	0.010	
126959	57053	57	0.002	0.057	
126960	57054	<5	<0.001	<0.005	
126961	57055	851	0.025	0.851	
126962	57056	6	<0.001	0.006	
126963	57057	216	0.006	0.216	
126964	57058	7	<0.001	0.007	
126965	57059	483	0.014	0.483	
126966	57060	2277	0.066	2.277	STANTH / P. 1 & 3
126967	Check 57060	2224	0.065	2.224	do
126968	57061	178470	5.206	178.470	do
126969	57062	140577	4.101	140.577	do
126970	57063	477	0.014	0.477	

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Sample #: 71      Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
126971	57064	263	0.008	0.263
126972	57065	565	0.016	0.565
126973	57066	75	0.002	0.075
126974	57067	23	<0.001	0.023
126975	57068	34	0.001	0.034
126976	57069	8	<0.001	0.008
126977	57070	<5	<0.001	<0.005
126978 Check	57070	<5	<0.001	<0.005
126979	57071	<5	<0.001	<0.005

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Date Received : 31-Oct-05  
 Date Completed : 07-Nov-05  
 Job # 200542017

Reference :

Sample #: 139 (Core) Rock

**BATCH -2**

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)	
136736	57072	<5	<0.001	<0.005	
136737	57073	<5	<0.001	<0.005	
136738	57074	<5	<0.001	<0.005	
136739	57075	<5	<0.001	<0.005	
136740	57076	<5	<0.001	<0.005	
136741	57077	<5	<0.001	<0.005	
136742	57078	<5	<0.001	<0.005	
136743	57079	<5	<0.001	<0.005	
136744	57080	<5	<0.001	<0.005	
136745	57081	<5	<0.001	<0.005	
136746 Check	57081	<5	<0.001	<0.005	
136747	57082	2258	0.066	2.258	couture L / P-8
136748	57083	251	0.007	0.251	
136749	57084	3138	0.092	3.138	couture L. / P-8
136750	57085	18	<0.001	0.018	
136751	57086	123	0.004	0.123	
136752	57087	37	0.001	0.037	
136753	57088	471	0.014	0.471	
136754	57089	568	0.017	0.568	
136755	57090	226	0.007	0.226	
136756	57091	456	0.013	0.456	
136757 Check	57091	396	0.012	0.396	
136758	57092	18	<0.001	0.018	

PROCEDURE CODES: AL4Au3

Page 1 of 7

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Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)	
136759	57093	352	0.010	0.352	
136760	57094	338	0.010	0.338	
136761	57095	144	0.004	0.144	
136762	57096	900	0.026	0.900	
136763	57097	302	0.009	0.302	
136764	57098	175	0.005	0.175	
136765	57099	20	<0.001	0.020	
136766	57100	5	<0.001	0.005	
136767	57101	9	<0.001	0.009	
136768	Check 57101	5	<0.001	0.005	
136769	57102	120	0.004	0.120	
136770	57103	10283	0.300	10.283	camp vein / P-11
136771	57104	570	0.017	0.570	do
136772	57105	26005	0.759	26.005	do
136773	57106	380718	11.106	380.718	do
136774	57107	1919	0.056	1.919	do
136775	57108	310685	9.063	310.685	do
136776	57109	78	0.002	0.078	do
136777	57110	914	0.027	0.914	do
136778	57111	71	0.002	0.071	
136779	Check 57111	62	0.002	0.061	
136780	57112	3979	0.116	3.979	Piviera / P-11
136781	57113	1143	0.033	1.143	do

PROCEDURE CODES: AL4Au3

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136782	57114	40	0.001	0.040	
136783	57115	46	0.001	0.046	
136784	57116	18	<0.001	0.018	
136785	57117	17	<0.001	0.017	
136786	57118	12	<0.001	0.012	
136787	57119	<5	<0.001	<0.005	
136788	57120	56	0.002	0.056	
136789	57121	<5	<0.001	<0.005	
136790	Check 57121	<5	<0.001	<0.005	
136791	57122	12	<0.001	0.012	
136792	57123	6	<0.001	0.006	
136793	57124	56	0.002	0.056	
136794	57125	82	0.002	0.082	
136795	57126	998	0.029	0.998	South of Precip. P. 11
136796	57127	3740	0.109	3.740	do
136797	57128	2207	0.064	2.207	do
136798	57129	107	0.003	0.107	
136799	57130	86	0.003	0.086	
136800	57131	76	0.002	0.076	
136801	Check 57131	17	<0.001	0.017	
136802	57132	10	<0.001	0.010	
136803	57133	158	0.005	0.158	
136804	57134	399386	11.650	399.386	South of Precip. P. 11

PROCEDURE CODES: AL4Au3

Page 3 of 7

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

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# Certificate of Analysis

Monday, November 07, 2005

Emerald Fields Res. Corp.  
 1546 Pine Portage Road  
 Kenora, ON, CA  
 P9N2K2  
 Ph#: (807) 468-7374  
 Fax#: (807) 468-9792  
 Email emerald@voyageur.ca

Date Received : 31-Oct-05  
 Date Completed : 07-Nov-05  
 Job # 200542017

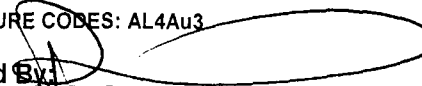
Reference :

Sample #: 139 (Core) Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)	
136805	57135	3404	0.099	3.404	Dawson-WL / P-4
136806	57136	715	0.021	0.715	do
136807	57137	49	0.001	0.049	
136808	57138	138	0.004	0.138	
136809	57139	19	<0.001	0.019	
136810	57140	55	0.002	0.055	
136811	57141	26	<0.001	0.026	
136812 Check	57141	11	<0.001	0.011	
136813	57142	31030	0.905	31.030	
136814	57143	816	0.024	0.816	
136815	57144	1553	0.045	1.553	
136816	57145	44	0.001	0.044	
136817	57146	322	0.009	0.322	
136818	57147	8	<0.001	0.008	
136819	57148	34	<0.001	0.034	
136820	57149	46	0.001	0.047	
136821	57150	16	<0.001	0.016	
136822	57151	<5	<0.001	<0.005	
136823 Check	57151	<5	<0.001	<0.005	
136824	57152	<5	<0.001	<0.005	
136825	57153	<5	<0.001	<0.005	
136826	57154	<5	<0.001	<0.005	
136827	57155	<5	<0.001	<0.005	

PROCEDURE CODES: AL4Au3

Page 4 of 7

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 Derek Demianiuk H.Bsc., Laboratory Manager

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 Fax#: (807) 468-9792  
 Email emerald@voyageur.ca

Date Received : 31-Oct-05  
 Date Completed : 07-Nov-05  
 Job # 200542017

Reference :

Sample #: 139 (Core) ROCK

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
136828	57156	<5	<0.001	<0.005
136829	57157	<5	<0.001	<0.005
136830	57158	<5	<0.001	<0.005
136831	57159	1615	0.047	1.615
136832	57160	10	<0.001	0.010
136833	57161	92	0.003	0.092
136834 Check	57161	80	0.002	0.080
136835	57162	75	0.002	0.075
136836	57163	248	0.007	0.248
136837	57164	118	0.003	0.118
136838	57165	29	<0.001	0.029
136839	57166	<5	<0.001	<0.005
136840	57167	<5	<0.001	<0.005
136841	57168	<5	<0.001	<0.005
136842	57169	<5	<0.001	<0.005
136843	57170	6	<0.001	0.006
136844	57171	32528	0.949	32.528
136845 Check	57171	32467	0.947	32.467
136846	57172	63	0.002	0.063
136847	57173	35	0.001	0.035
136848	57174	18	<0.001	0.018
136849	57175	37	0.001	0.037
136850	57176	15	<0.001	0.015

PROCEDURE CODES: AL4Au3

Page 5 of 7

Certified By: 

Derek Demianiuk H.Bsc., Laboratory Manager

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Kenora, ON, CA  
P9N2K2  
Ph#: (807) 468-7374  
Fax#: (807) 468-9792  
Email emerald@voyageur.ca

Date Received : 31-Oct-05  
Date Completed : 07-Nov-05  
Job # 200542017

Reference :

Sample #: 139 (Core) Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
136851	57177	38	0.001	0.038
136852	57178	<5	<0.001	<0.005
136853	57179	36	0.001	0.036
136854	57180	2180	0.064	2.180
136855	57181	35697	1.041	35.697
136856 Check	57181	36020	1.051	36.020
136857	57182	52	0.002	0.052
136858	57183	6593	0.192	6.593
136859	57184	888	0.026	0.888
136860	57185	27	<0.001	0.027
136861	57186	2327	0.068	2.327
136862	57187	<5	<0.001	<0.005
136863	57188	7	<0.001	0.007
136864	57189	21	<0.001	0.021
136865	57190	17	<0.001	0.017
136866	57191	<5	<0.001	<0.005
136867 Check	57191	<5	<0.001	<0.005
136868	57192	<5	<0.001	<0.005
136869	57193		No Sample	
136870	57194		No Sample	
136871	57195		No Sample	
136872	57196		No Sample	
136873	57197		No Sample	

PROCEDURE CODES: AL4Au3

Page 6 of 7

Certified By:   
Derek Demianiuk H.Bsc., Laboratory Manager

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Ph#: (807) 468-7374  
Fax#: (807) 468-9792  
Email emerald@voyageur.ca

Date Received : 31-Oct-05  
Date Completed : 07-Nov-05  
Job # 200542017  
Reference :  
Sample #: 139 (Core) **ROCK**

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
136874	57198		No Sample	
136875	57199		No Sample	
136876	57200		No Sample	
136877	57201	<5	<0.001	<0.005
136878 Check	57201	5	<0.001	0.005
136879	57202	<5	<0.001	<0.005
136880	57203	11	<0.001	0.011
136881	57204	<5	<0.001	<0.005
136882	57205	<5	<0.001	<0.005
136883	57206	<5	<0.001	<0.005
136884	57207	<5	<0.001	<0.005
136885	57208	<5	<0.001	<0.005
136886	57209	1640	0.048	1.640
136887	57210	781	0.023	0.781

PROCEDURE CODES: AL4Au3

Page 7 of 7

Certified By:

  
Derek Demianuk H.Bsc., Laboratory Manager

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## Accurassay Laboratories

### Accreditation

On February 27<sup>th</sup> 2002, the Standards Council of Canada (SCC) to ISO/IEC 17025 Guidelines accredited Accurassay Laboratories for Gold, Platinum, Palladium, Copper, Nickel, and Cobalt. Accurassay participated in the Accreditation Program to hold itself accountable to a higher level of standards demanded by the mining and mineral exploration industries. The accreditation covers all aspects of the assay laboratory practices from our Standard Operating Procedures (SOP) to our Quality Control and Quality Assurance Mandates (QC/QA). The Laboratory will continue to participate in the Accreditation Program to expand the analytical scopes as the SCC outlines them. Also, as set out by the SCC, Accurassay must continue to participate successfully in the PTP-MAL performance testing program to maintain our accreditation.

### Quality Control / Quality Assurance (QC/QA)

A certified standard and blank assay are run with each batch of samples. In addition, a replicate assay is run on every 10<sup>th</sup> sample to be used for checking the reproducibility of the assays. Non-reproducible check assays maybe an indication of nugget problems within the sample and we recommend that further analysis be performed to generate a better representation of the sample.

All certified standard runs are graphed weekly to monitor the performance of the laboratory. Our warning limit is 2 times the standard deviation and our control limit is 3 times the standard deviation. Any work order with a standard running outside the warning limit will have selected re-assays performed, and any work order with a standard running outside the control limit will have the entire batch of samples re-analyzed.

All QC data run with each work order is kept with the client's file. If desired, the client may have all the blanks and QC standards reported on their certificates. All quality control graphs are available upon request.

The laboratory also keeps daily log books for the sample throughput. These logs record all information pertaining to, who performed the analysis, when the analysis was done, how the analysis was performed and what other samples were analyzed at the same time. This is done to help eliminate the possibility of misrepresentation and cross-contamination of the client's samples.

In our Sample Preparation area, we randomly select samples for screen analysis to ensure grain size is being achieved (90% -150 mesh). Also, re-cuts on samples are performed from the original reject to check reproducibility.

Our AA and ICP instruments are calibrated using ISO traceable calibration standards and our quality control standards are created from separate stock solutions. Our instruments are directly tied to our LIMS program eliminating the need for manual data entry, hence, reducing human error.

## Sample Reception and Handling

All samples received by Accurassay Laboratories will be tagged with an Internal Sample Control Number as it is entered into the Laboratory Information Management System (LIMS). The benefit of this system is the reduction of human error by controlling the labeling, sample throughput, and data entry of results from the instrumentation to the LIMS program. The system also has the ability to generate all reports both on certificate and electronic formats.

All samples received will be divided into the following categories; drill core, grab, channel, pits, and check samples. Each of these categories will also be separated into holes, projects, blast patterns, etc, as outlined by each client.

## Rocks and Drill Core

The samples are dried prior to any sample preparation. The samples are then crushed to 90% -8 mesh and split into 250 to 450 g sub-samples using a Jones Riffler. These sub-samples are then pulverized to 90% -150 mesh using a ring and puck pulverizer and homogenized prior to analysis. Silica cleaning between each sample is also performed to prevent any cross contamination. This is done at no additional cost to the client.

## Soils / Sediments

The samples are dried using a low temperature dryer. They are then sieved through an 80 mesh screen and the -80 mesh material is homogenized and used for analysis.

## Humus / B Horizon

The samples are dried using a low temperature dryer. They are then blended to create a homogenized sample to be used for analysis.

## Sample Turn Around

While Accurassay Laboratories will do its best to expedite all sample throughput, we will not sacrifice the quality of the analysis in doing so. Our turn around times are typically as follows:

- Au, Pt, Pd, and Base Metal Analysis 3-10 business days
- ICP is 2-3 days behind the Precious Metal Analyses
- Whole Rock is 10-15 business days

All samples received after 5:00 pm will be recognized as received on the following working day.

**Faster sample turn around (less than 3 days) is available for an additional charge; please contact laboratory manager for arrangements.** If for any reason Accurassay is unable to maintain this timetable we will notify you of the delay prior to the due date and we will give an approximate date of completion.

# PRECIOUS METALS ANALYSIS

---

Precious metal analysis is done with a combination of Fire Assay using Lead collection and either an AAS, ICP, or Gravimetric finish. We also offer two types of Metallic separation analysis for combating nugget and free gold.

## **Gold Analysis / Platinum Analysis / Palladium Analysis**

All Au (Pt, Pd) analysis is performed using a 30g Fire Assay charge. Our Fire Assay procedure uses Lead Collection with a Silver Inquart. The detection limit is 5 ppb (15ppb, 10ppb respectively). The beads are then digested and an Atomic Absorption or ICP finish is used. Larger Fire Assay masses are available upon request. All Gold assays that are greater than 10 g/t will automatically be reassayed by Fire Assay with a Gravimetric finish for accuracy & reproducibility.

Note: Fire Assay 30g charges may be adjusted according to composition of the rock

## **Gold Analysis / Gravimetric Analysis**

This Gold analysis includes our 30g Fire Assay procedure and replaces our AA/ICP finishes with a Gravimetric finish. We use a Sartorius Micro Balance to four decimal places giving us a 5g/t detection limit. A 2g/t detection limit is also offered using a larger fire charge of 50g.

## **Gold Analysis / Carbons**

Carbon samples are performed in triplicate to check accuracy and reproducibility. Each sample is Ashed, then analyzed using our Accredited gold procedure.

## **Gold Analysis / Pulp Metallic**

Pulp Metallic analysis includes the crushing of the entire sample to 90% -8 mesh and using a Jones Riffler to split the sample to a 1kg sub sample. The entire sub sample is pulverized to ~90% -150 mesh and subsequently sieved through a 150 mesh screen. The entire +150 metallic portion is assayed along with two duplicate cuts of the -150 pulp portion. Results are reported as a calculated weighted average of Gold in the entire sample.

## **Gold Analysis / Screen Metallic**

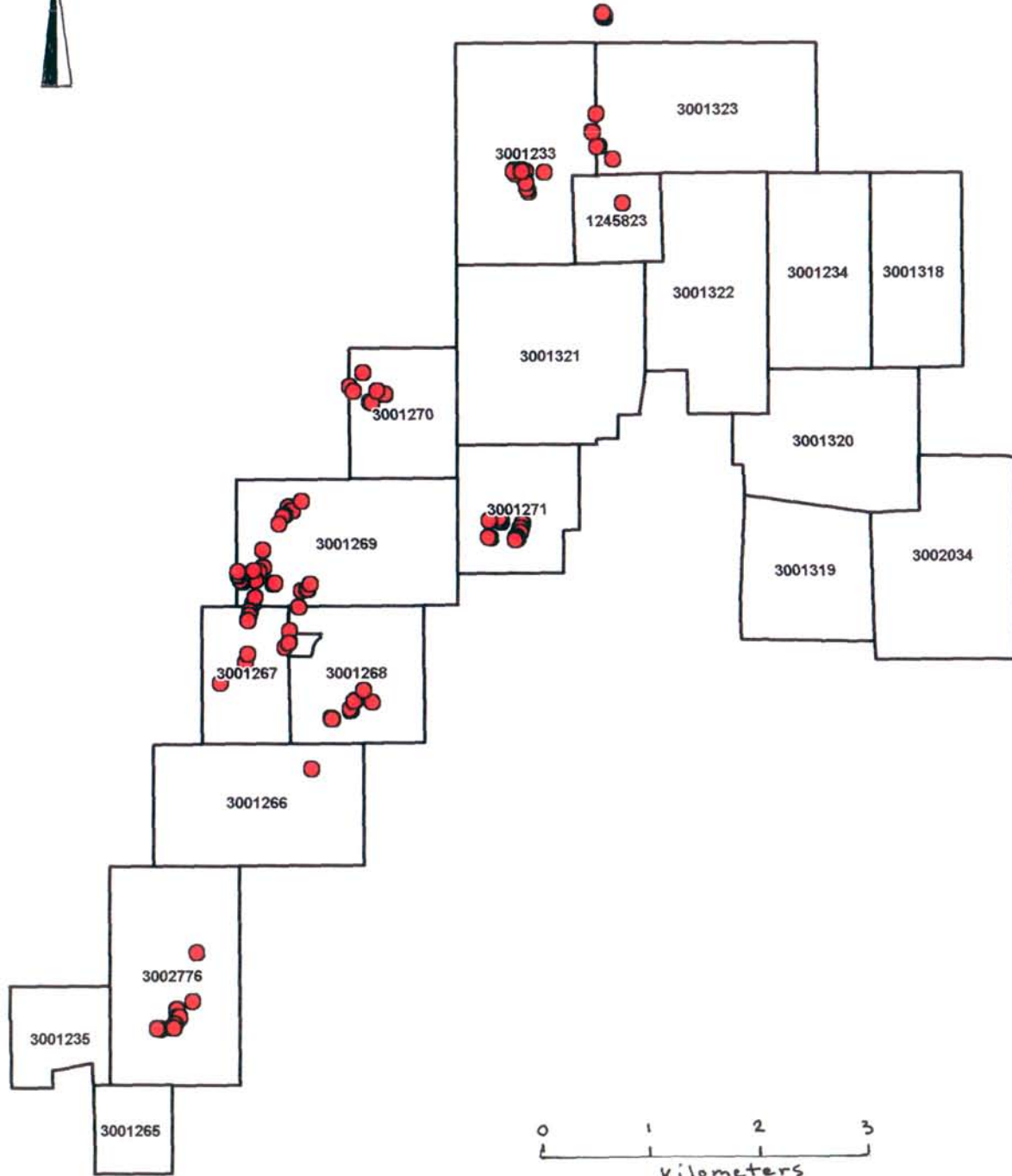
Screen Metallic analysis includes the crushing of the entire sample to 90%-10 mesh and using a Jones Riffler to split the sample to a 1kg sub sample. The entire sub sample is pulverized and subsequently sieved through a series of meshes (80, 150, 200, 230, 400 mesh). Each fraction is then assayed for Gold (maximum 50g.). Results are reported as a calculated weighted average of Gold in the entire sample.

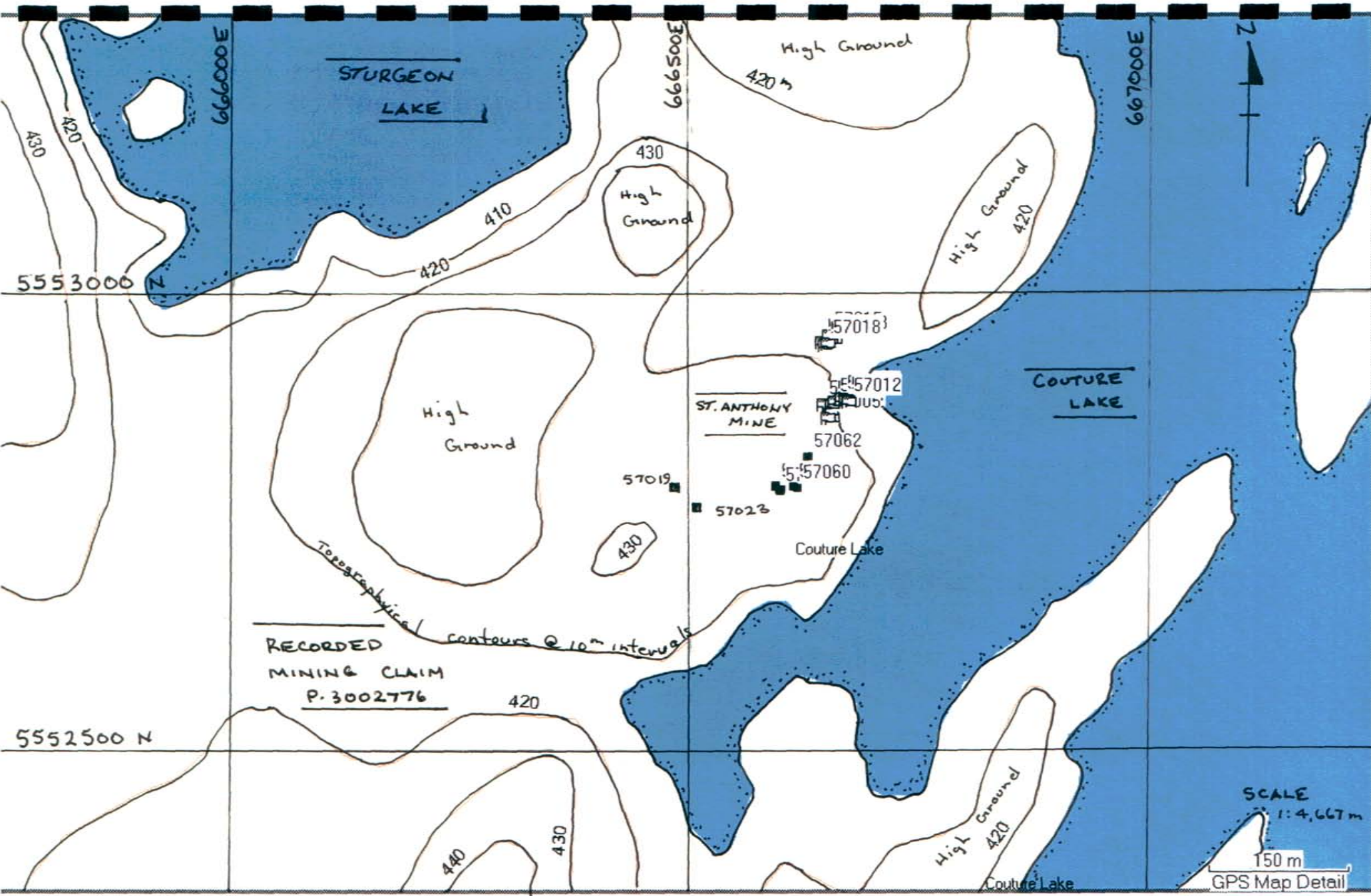




ST. ANTHONY PROPERTY  
- GENERALIZED AREA OF ROCK SAMPLING -  
NTS 52J/02

Figure 1





Emerald Fields Resource Corporation  
 ST. ANTHONY / STURGEON LAKE  
 - FALL 2005 PROSPECTING -

ST. ANTHONY PROJECT

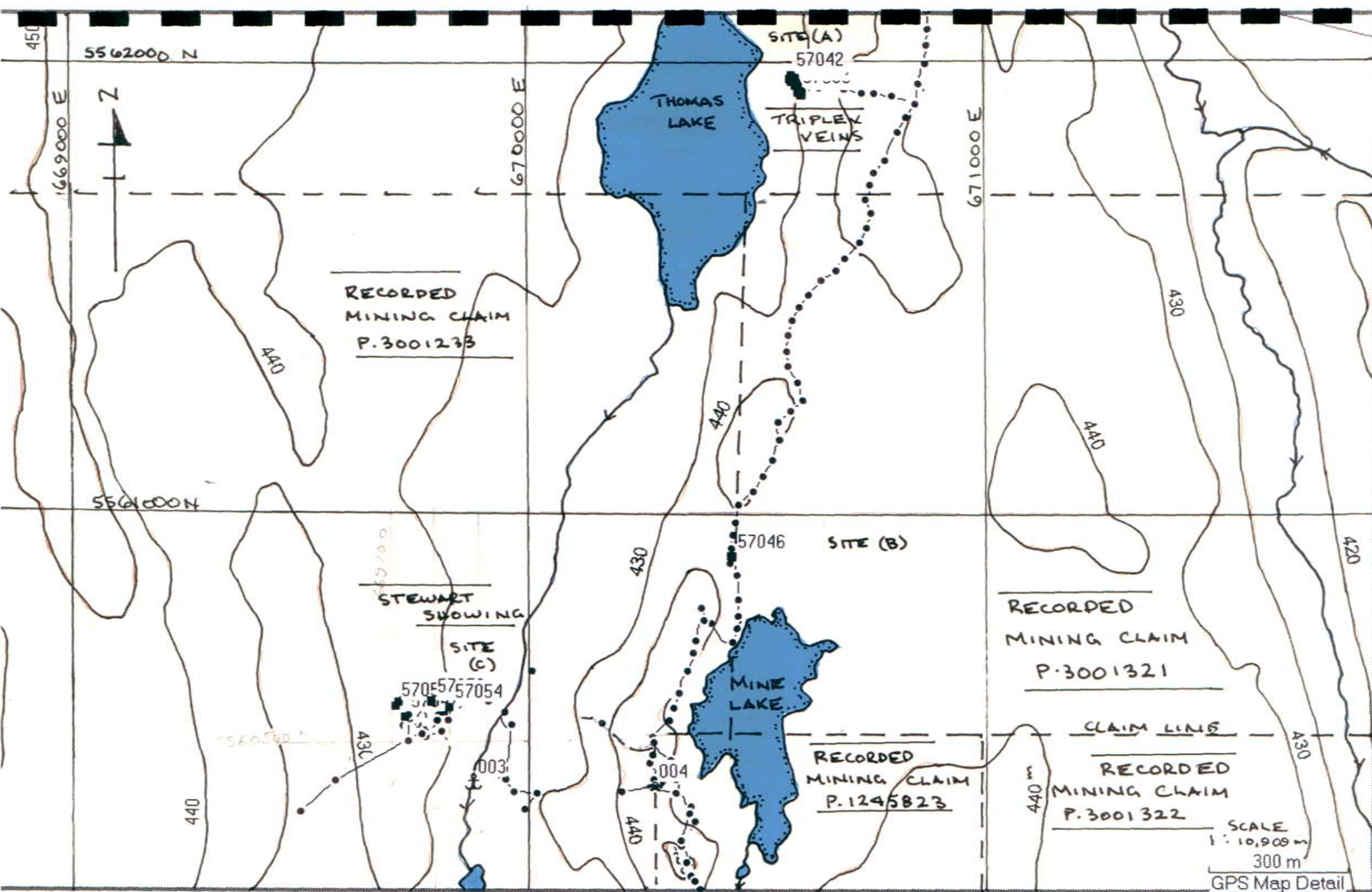
FIG. P-1

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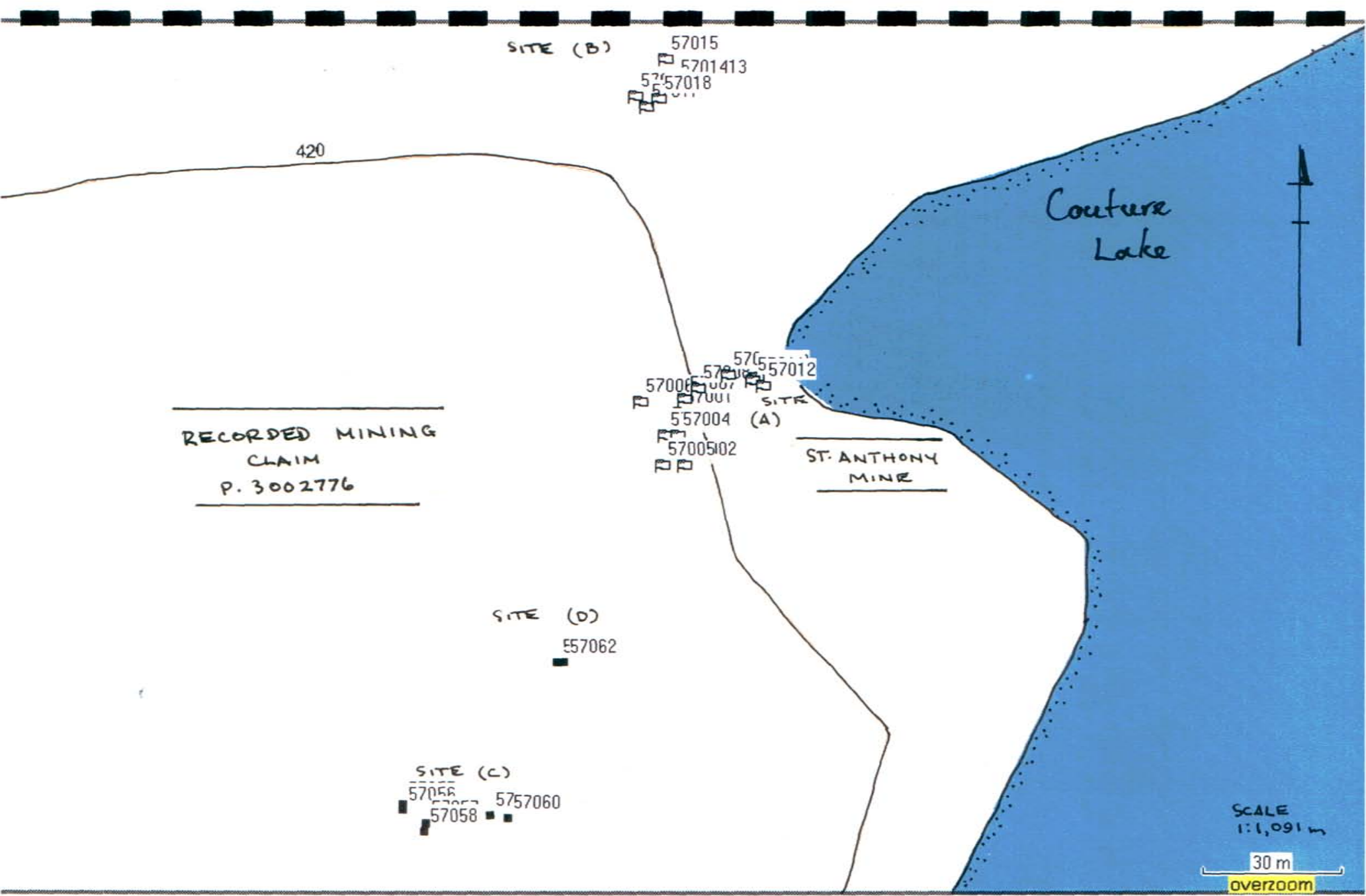




ST. ANTHONY PROJECT

STEWART, CONTACT & TRIPLEX SHOWINGS  
(SEE FIG. 7 FOR DETAIL)

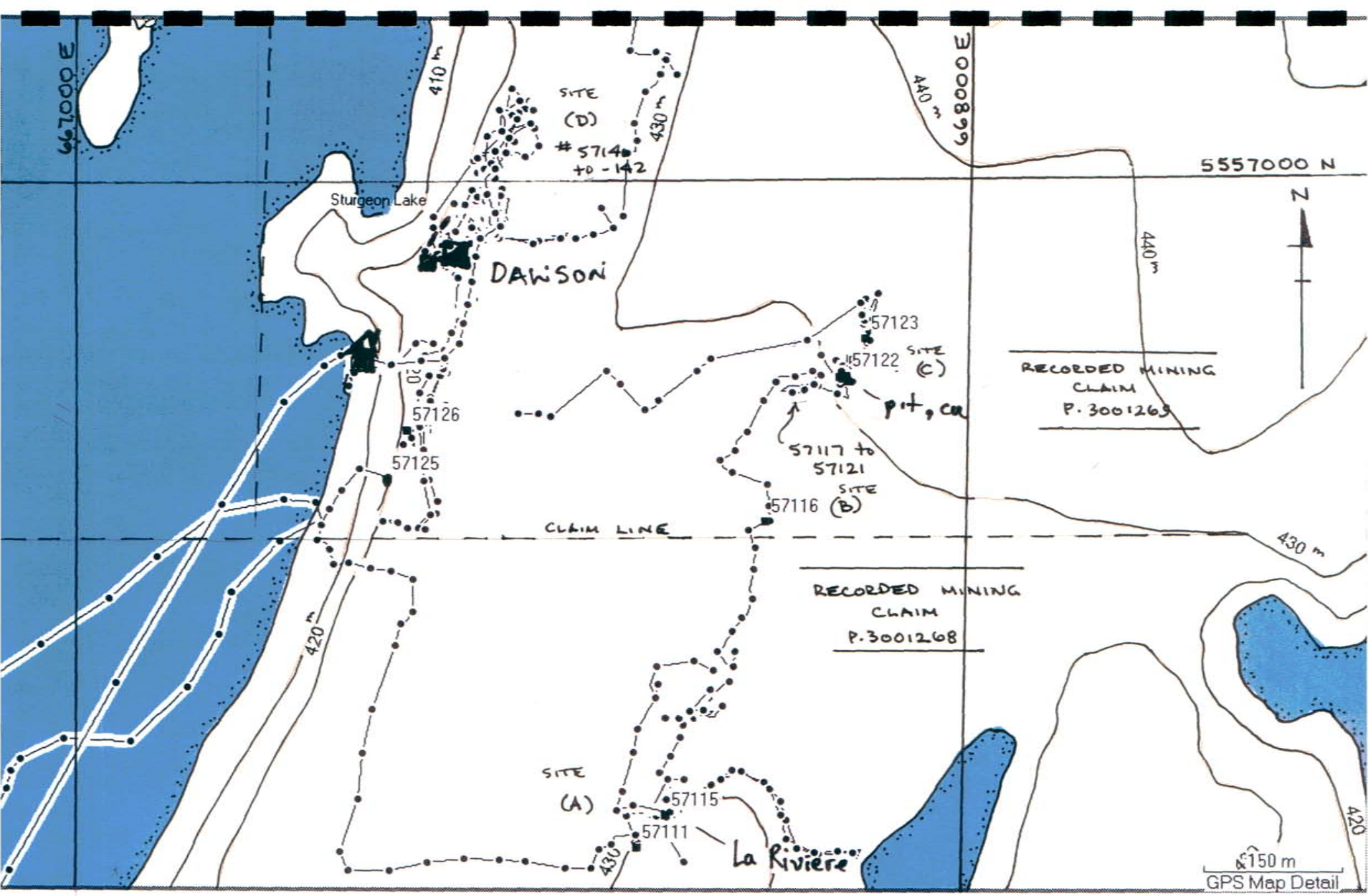
FIG. P-2



ST. ANTHONY PROJECT - DETAIL

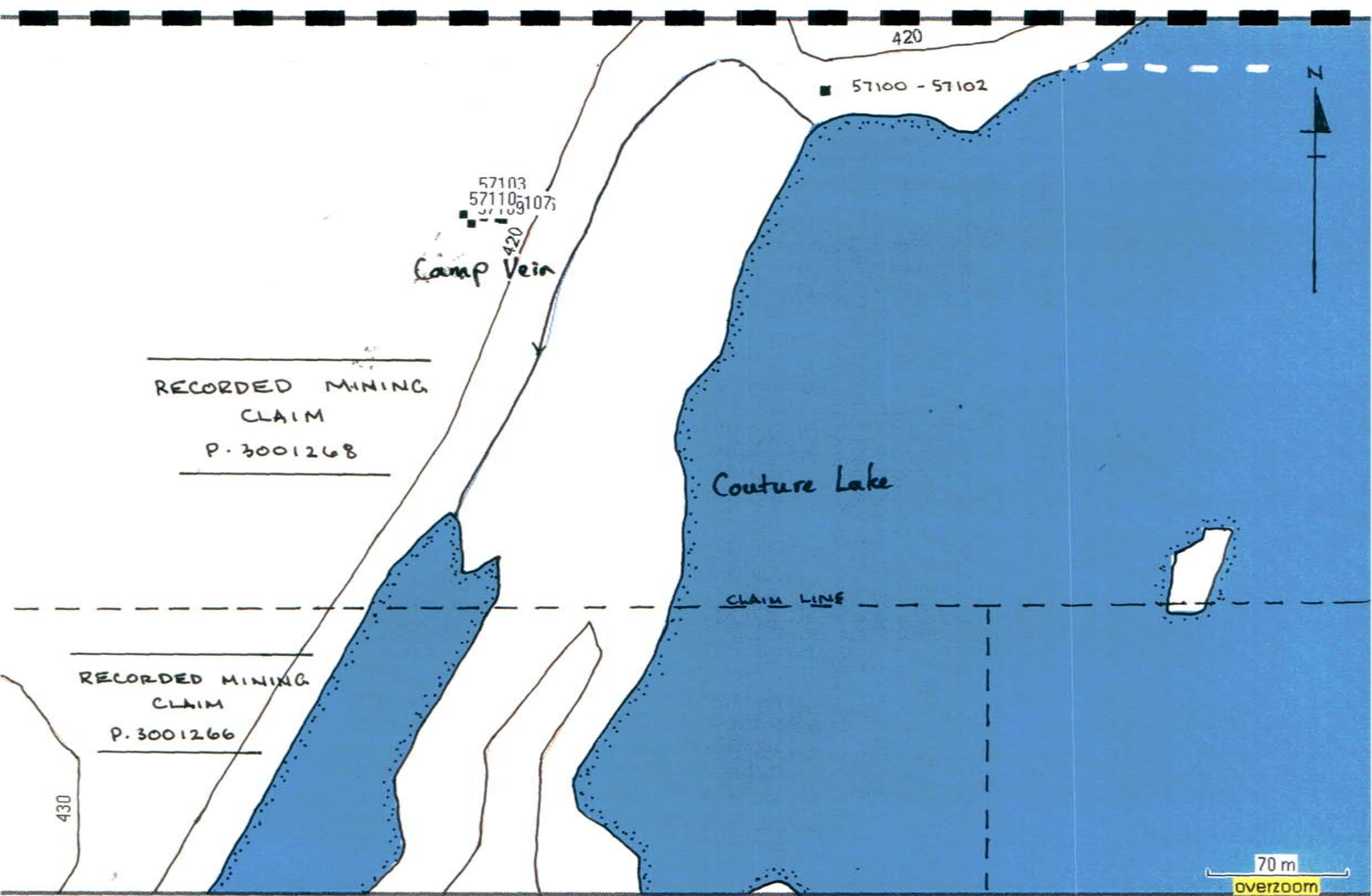
FIG. P-3





ST. ANTHONY PROJECT

FIG. P-4

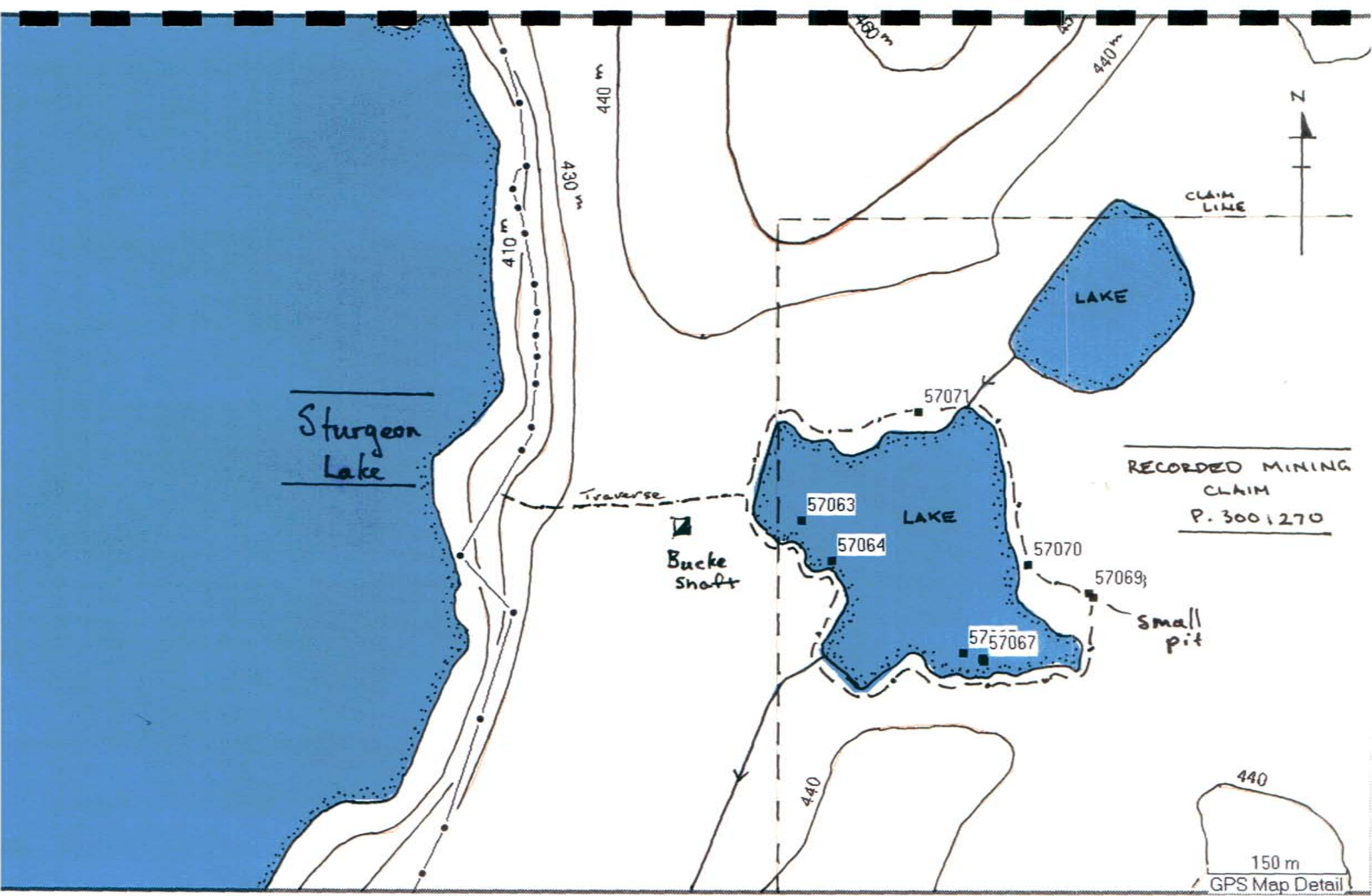


ST. ANTHONY PROJECT

CAMP VEIN-DETAIL  
(SEE FIG. 11)

FIG. P-5



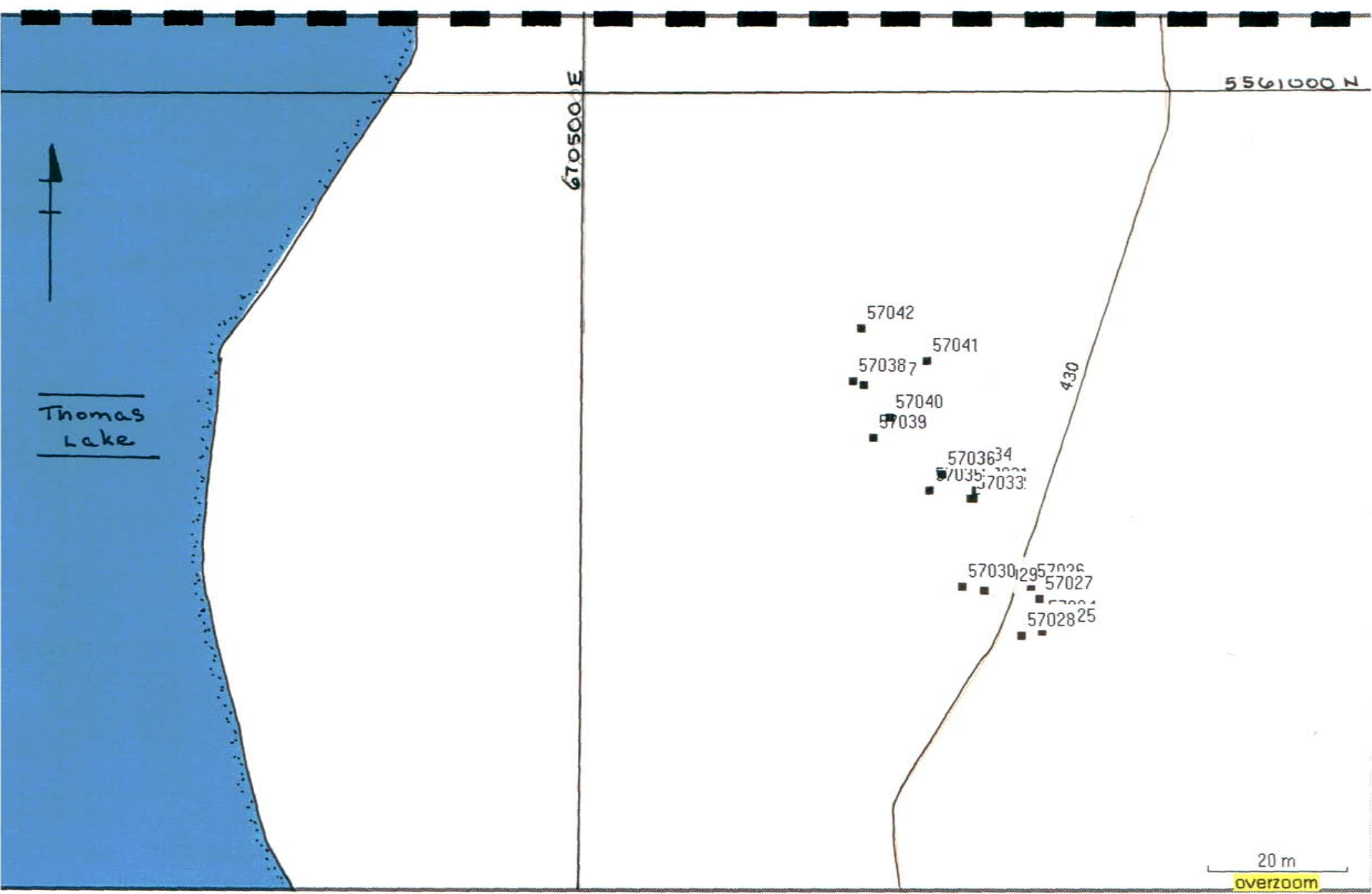


ST. ANTHONY PROPERTY

BUCKE SHAFT AREA

FIG. P-6

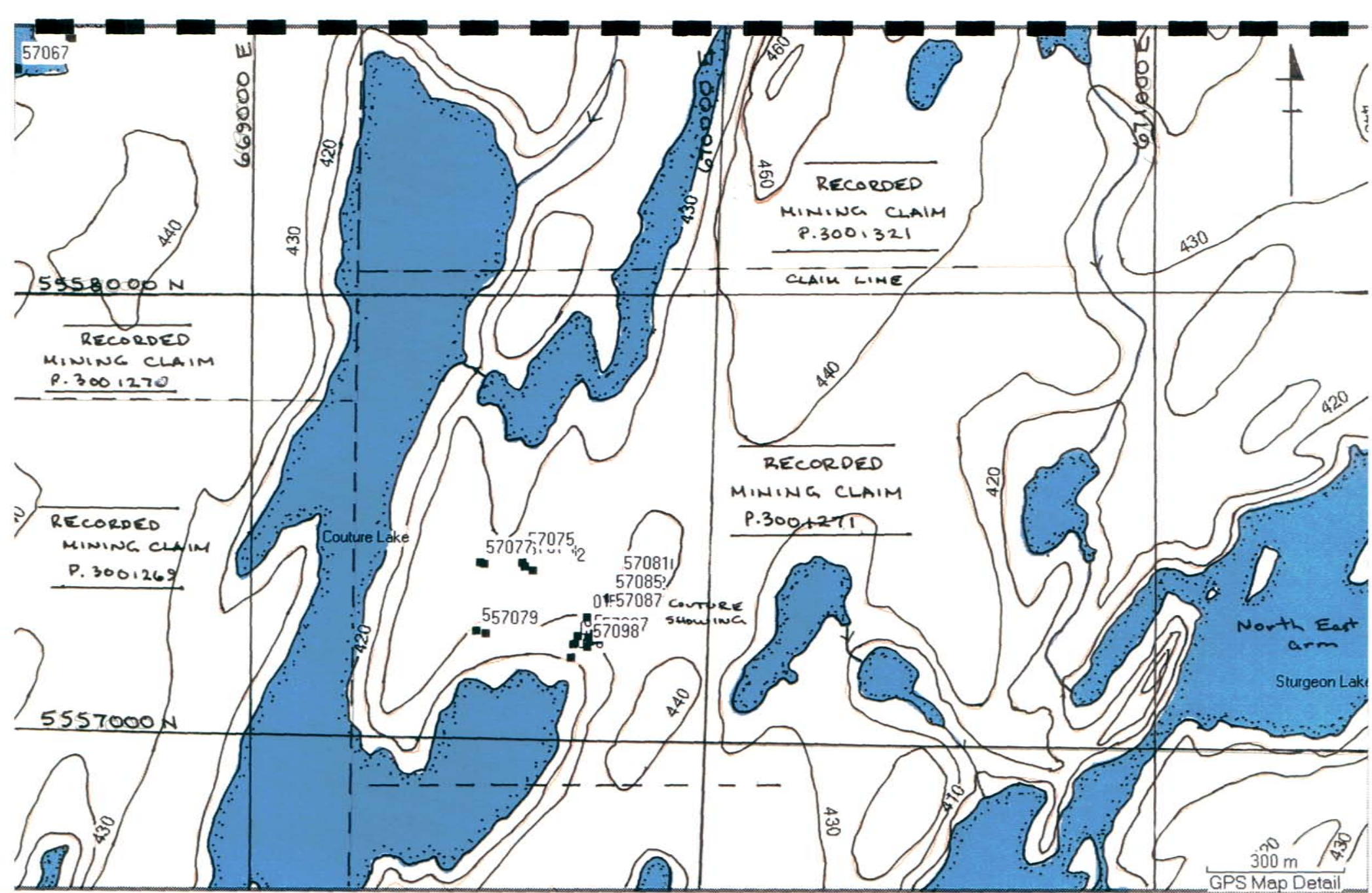




ST. ANTHONY PROJECT

DETAIL OF TRIPLEX VEINS  
(SEE FIG. 2)

FIG. P-7



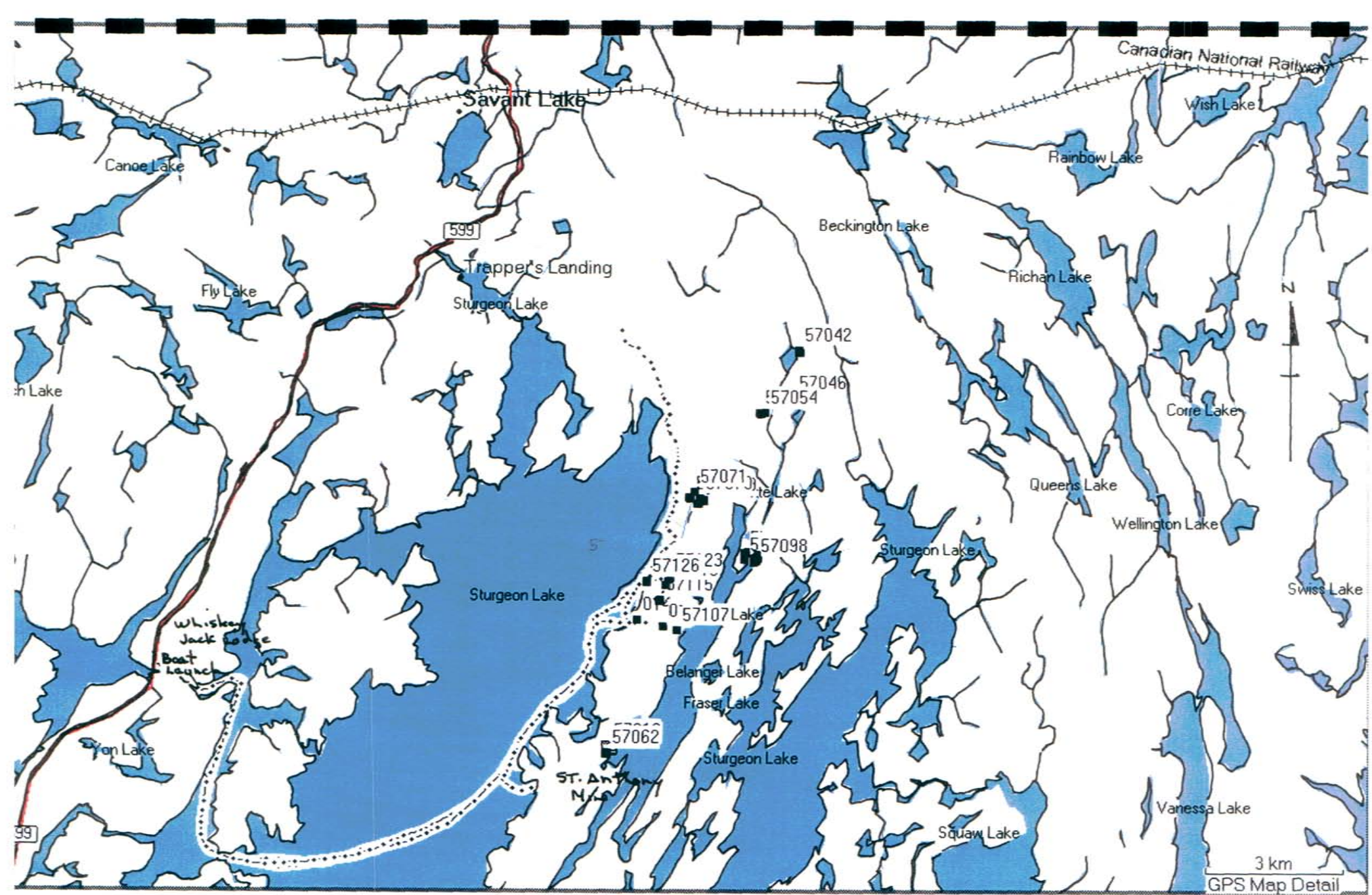
ST. ANTHONY PROJECT

COUTURE SHOWING

FIG. P-8



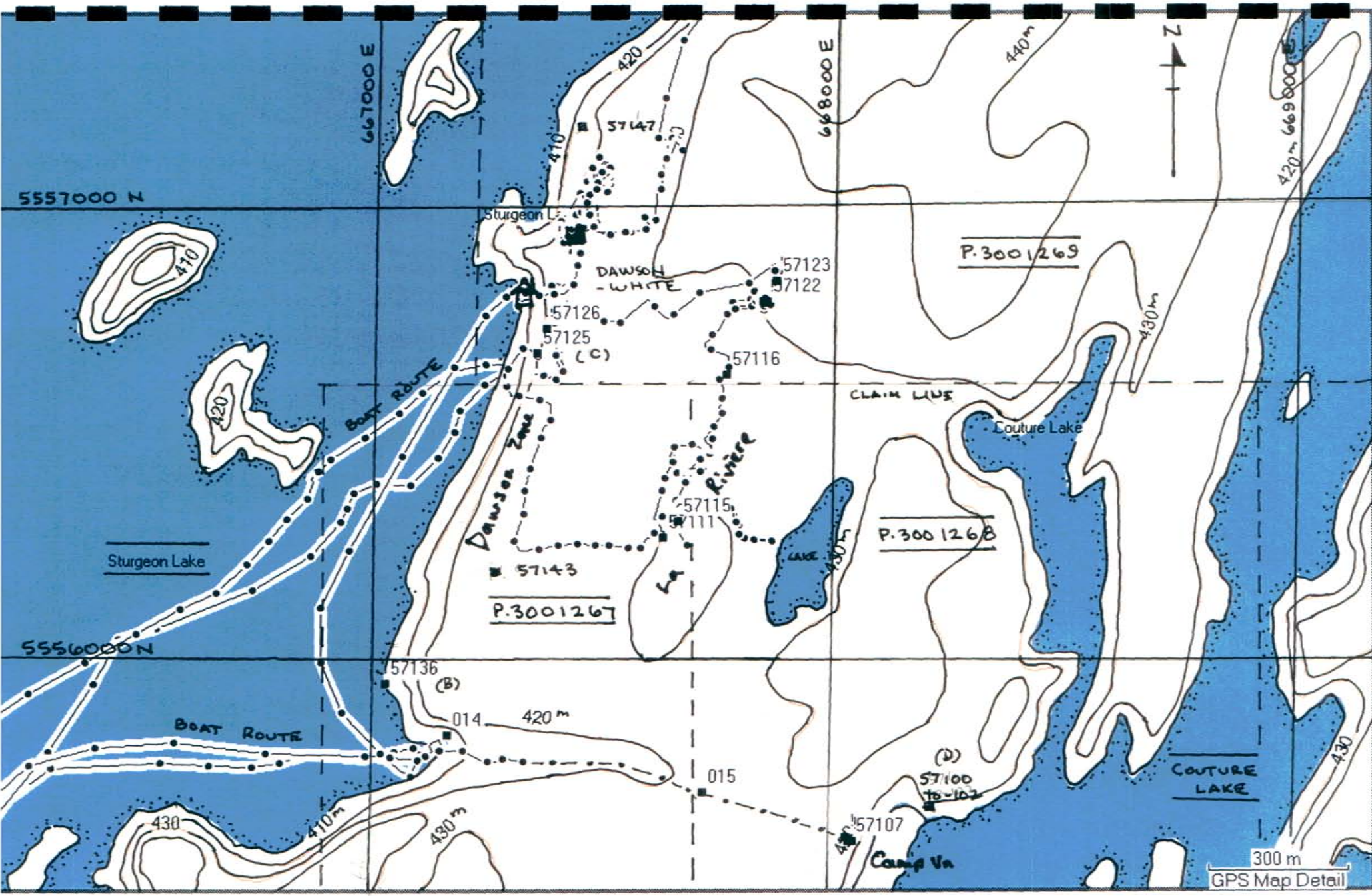




ST. ANTHONY PROPERTY AREA

FIG. P-10





ST. ANTHONY PROPERTY

DAWSON - WHITE & CAMP VEIN AREA

FIG. P-11

**SECTION D**

**DIAMOND DRILL REPORT**  
**(DDH # SV-1, -2, -3 & -4)**

# DIAMOND DRILL REPORT

- FALL 2005 -

DDH SV-1, -2, -3 & -4

Refer to the 'Mechanical Stripping' report concerning **Project / Property Name** to **Access**. Regarding this program, a helicopter was used to ferry the equipment and crew to the sites from Trappers Bay just south of Savant Lake.

**SURVEY TYPE:** Diamond Drilling - airborne

**DRILL TYPE:** Hydra Core - wire line

**DRILL ROD:** "A Rod" - thin wall

**CORE DIMENSION:** 30 mm O/D

**TOTAL NUMBER OF DRILL HOLES:** 4

**TOTAL FOOTAGE (meter age):** 235 metres

**SURVEY PERFORMED BY:** Summit Drilling Services, 2 Jackpine Crescent, Hanmer,  
Ontario P3P 1R2 (Day shift - 2 man crew)

**FIELD SURVEY SUPPORT:** Forest Helicopters Inc., Site 119, Comp 6, Kenora, Ontario  
P3N 3W7

**ANALYSIS PERFORMED BY:** Accurassay Laboratories, 1046 Gorham street, Thunder Bay,  
Ontario P7B 5X5

**SAMPLE TYPE:** Split core by mechanical Longyear core splitter

**SAMPLE ANALYSIS:** Gold (Au) reported in ppb, oz/t and g/t (ppm)

**SAMPLING METHOD(S):** Refer to enclosed 'Sample Method Report'

**TOTAL NUMBER OF SAMPLES:** 44 (core)

**DRILL SUPERVISION & LOGGING BY:** Mr. A.P. (Tony) Pryslak, M.Sc., P.Geo.  
Geological consultant

**DATE OF SURVEY:** From - October 19<sup>th</sup>, 2005 To - October 27<sup>th</sup>, 2005

**DATE OF REPORT: (Revision ) - March 8<sup>th</sup>, 2006**

**PURPOSE OF SURVEY:** To drill test the '**Camp Vein Zone**' at co-ordinate 668060 E by 5555600N , mining claim P.3001268 (fig. D-2) and the '**North Couture Gold Showing**' at co-ordinate 669770E by 555714 N (fig. D-3), claim P.3001271.

Readings in NAD 83 in Zone 15.

Review to Mr. Pryslak's attached "DIAMOND DRILL REPORT" .

**RESULTS: 'Camp Vein Zone':** As noted in the report, three holes were drilled from this staging. Hole # SV-1, -2 and -3, as follows:

- # SV-1 @ -45, azimuth 120 degrees ( 51.0 m) had 7 samples split and removed Sample # 328401 to 328407. Only sample #328406 @ 0.105 g/t and # 328407 @ 0.196 g/t are the highest gold sections @ 0.50 intervals from 31.0 to 32.0 m (1.0 m).
- # SV-2 @ -45, azimuth 155 degrees (48.0M) had 8 samples split from this section. Sample # 328408 to # 328415. Second highest gold value from # 328410 @ 0.151 g/t (averaged) and # 328411 @ 0.267 g/t from 10.5 to 11.6 m (1.1 m) from 0.5 and 0.6 m intervals, respectively. The highest gold assay was from #328414 which ran 2.028 g/t between 28.65 to 29.1 m (0.45 m).
- # SV-3 @ -80, azimuth 180 degrees (44.0 m) had 6 samples removed. Sample # 328416 to # 328421. The highest value is 0.086 sample # 328421 @ 36.7 to 37.5 m, an 0.8 m interval.

**'North Couture Gold Showing'**

- # SV-4 @ -60, azimuth 315 degrees (92.0 m) had 23 split samples removed. # 328422 to # 3284449. The highest gold value is 0.319 g/t sample # 328427 @ 31.5 to 32.5 m ( 1.0 m).

A concluding interpretation can not be made at this early stage.

Report Revision By: A. J. M. Mowat  
Kenora, Ontario  
March 2006



# DIAMOND DRILL REPORT

## **Drilling:**

Summit Drilling Services of Hammer, Ontario were contracted to drill four holes – three on the Camp Vein located 1.5 km SSE of the Dawson shaft, and one on the north Couture Au Showing located 2.2 km east of the Dawson Shaft.

## **Camp Vein Drilling:**

The Camp Vein trends approx. E-W and dips 40° north. Historic assays of 1.0 oz/t Au are reported (ref: assessment files).

Three holes of 51, 48 and 44 m (totaling 143 m) were drilled to test the Camp Vein. DDH SV-1 was drilled at –45° at an azimuth of 120° in order to intersect the east extension of the vein under the N-S structure that follows the creek and beaver swamp. The main vein at 80° to core axis was intersected at 30.6-31.0 m (0.4 m). The vein carries 1-2% Po and minor Cpy, but no sphalerite or galena as observed in the vein at the main trench.

Drill hole SV-2 was drilled at –45° at an azimuth of 155°, while SV-3 was drilled on the same section at –80°, 48 m and 44 m respectively. The Camp Vein is present in both drill holes and is very similar in nature to that in hole SV-1, being 25 and 30 m in core length respectively. Assays are pending.

## **Couture Au Showing**

One drill hole was put under the main trench of the N. Couture Lake showing. Strong ankerite-pyrite-silica alteration within the mafic metavolcanics is exposed in portions of the old trenches and strippings.

Drill hole SV-4 (Fig. D-1) was collared approx. 25 m east of the main trench and intersected a sequence of sheared, bleached and moderate to strongly altered basalts. The more intense alteration sections were noted at 26.5-38.0 m (11.5 m), 52.5-57.0 m (4.5 m) and 74.5-83.0 m (7.5 m); the latter is the best developed section in terms of carb veining, silicification and pyrite content. The interval of basalt immediately below (82.0-92.0 m) carries 1-2% disseminated magnetite and only minor Py-Po.

## **Conclusion and Recommendation:**

Mechanical stripping was only partly successful in uncovering structures and veins associated with gold mineralization. The sub-bedrock at the Dawson shaft area is too

irregular for bulldozers or skidders. The key areas at the Stewart and Contact shafts are either under swamp or on steep hillsides. An excavator should have more success in exposing bedrock in the required areas.

Stripping by excavator is recommended, followed by manual power washing and channel sampling. The east portion of the claim block requires prospecting and similar follow-up.

by

**A.P. Pryslak, M.Sc, P. Geo**

## Certificate of Analysis

Friday, December 23, 2005

Emerald Fields Res. Corp.  
 1546 Pine Portage Road  
 Kenora, ON, CA  
 P9N2K2  
 Ph#: (807) 468-7374  
 Fax#: (807) 468-9792  
 Email emerald@voyageur.ca

Date Received : 21-Dec-05  
 Date Completed : 23-Dec-05  
 Job # 200542300  
 Reference :  
 Sample #: 44      Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
165090	328422	7	<0.001	0.007
165091	328423	<5	<0.001	<0.005
165092	328424	23	<0.001	0.023
165093	328425	27	<0.001	0.027
165094	328426	9	<0.001	0.009
165095	328427	319	0.009	0.319
165096	328428	<5	<0.001	<0.005
165097	328429	<5	<0.001	<0.005
165098	328430	<5	<0.001	<0.005
165099 Check	328430	<5	<0.001	<0.005
165100	328431	9	<0.001	0.009
165101	328432	11	<0.001	0.011
165102	328433	<5	<0.001	<0.005
165103	328434	8	<0.001	0.008
165104	328435	<5	<0.001	<0.005
165105	328436	39	0.001	0.039
165106	328437	<5	<0.001	<0.005
165107	328438	24	<0.001	0.024
165108	328439	<5	<0.001	<0.005
165109	328440	32	<0.001	0.032
165110 Check	328440	20	<0.001	0.020
165111	328441	<5	<0.001	<0.005
165112	328442	<5	<0.001	<0.005

DDH  
ST-4

Σ

}

} <0.005

} 0.026

PROCEDURE CODES: AL4Au3, AL4ICPAR

Certified By: Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested

The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory

## Certificate of Analysis

Friday, December 23, 2005

Emerald Fields Res. Corp.  
 1546 Pine Portage Road  
 Kenora, ON, CA  
 P9N2K2  
 Ph#: (807) 468-7374  
 Fax#: (807) 468-9792  
 Email emerald@voyageur.ca

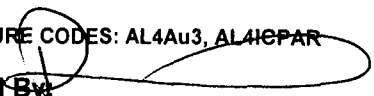
Date Received : 21-Dec-05  
 Date Completed : 23-Dec-05  
 Job # 200542300

Reference :  
 Sample #: 44      Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
165113	328443	<5	<0.001	<0.005
165114	328444	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

Certified By:

  
 Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested

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Page 3 of 3

# APPENDIX 'A'



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

## Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page. Remplir ces cases à chaque page

Hole No. Forage n°	Page No. Page n°
SV-1	p. 1/2

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements serviront à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage <b>Summit Drilling Services</b>	Core Size Dimension de la carotte <b>BQT</b>	Collar Elevation Élévation du collar <b>±/422 m</b>	Heading of hole from true North/Position du forage par rapport au nord vrai <b>120°</b>	Total Footage Avancement total du forage <b>51.0m</b>	Dip of Hole at Inclinaison du forage au Collar/collar <b>45</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KING FISHERIES (2004) INC. KENORA, ONT.</b>	Map Reference No. N° de référence sur la carte <b>C. 2532</b>	Claim No. N° de concession minière <b>P. 3001268</b>
Date Hole Started Date de commencement du forage <b>Oct. 20/05</b>	Date Completed Date d'achèvement <b>Oct. 21/05</b>	Date Logged Date d'inscription au journal <b>Oct. 23/05</b>	Logged by (print) Inscrit par (écrite en lettres moulées) <b>A. P. Pyslak.</b>	Logged by (Signature) Inscrit par (signature) <i>A. P. Pyslak.</i>	PLM   PLM   PLM   PLM	Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>BECKINGTON LAKE AREA MAD PATRICIA MINING DIVISION UTM 83-ZONE 15-5555630N-668070E</b>	Property Name Nom de la propriété <b>St. Anthony / SURGEON L.</b>	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>Emerald Field Resource Corp 1546 PINE PORTAGE RD, KENORA, ONT.</b>								

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Core Recovery %	Core Length (m)	Core Diameter (mm)	Core Weight (kg)	Core Volume (L)	Core Density (g/cm³)
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	From/De	To/A	From/De	To/A	From/De	To/A
0	2.0	Casing	pulled						
2.0	51.0	Basalt	Fine grained, dark green, aegirine - moderately well foliated at 30-35° with weak biotite alteration in bands of 5-20 cm. - occasional white Qtz, foliation parallel. 2.70: 1cm Qtz @ 35° TCA 7.00: 1-3 cm pods of white Qtz 8.00-8.20: 5-6% white Qtz - cal veins, 1-3 mm, random orientation 8.80-10.00: breccia with 20% Qtz-cb flooding into matrix - weakly biotitic, tr. py 10.00-10.50: 3% Qtz-cb veining 10.50-11.00: Fractured and sheared with moderate brown biotite alteration 16.15-16.26: white Qtz @ 70° TCA 16.26-17.30: 3% Qtz-cb veining 17.30-35.6: fairly massive, pillowed basalt, pillows locally flattened to a band, matrix with weak foliation and biotite alteration.						
				328401	8.0	8.9	0.9	5.005	
				328402	8.9	10.0	1.1	0.006	
				328403	10.0	10.5	0.5	0.005	

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core. \*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.



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

**Diamond Drilling Log**  
**Journal de forage au diamant**

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page  
Remplir ces cases à chaque page

Hole No. Forage n°  
SU-1  
Page No. Page n°  
p.2/2

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements serviront à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage	Core Size Dimensions de la carotte	Collar Elevation Élévation du collier	Bearing of hole from true North Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclination du forage au	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte G. 2532	Claim No. N° de concession minière P. 3001268
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by (print) Inscrit par (écrire en lettres moullées)	Logged by (Signature) Inscrit par (signature)	Collar/collier	Location (Twp. Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	Property Name Nom de la propriété ST. ANTHONY / STURGEON L.	
Exploration Co., Owner or Options Compagnie d'exploration, propriétaire ou titulaire d'option								

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Core Number N° de la carotte	Core Length Longueur de la carotte	Core Diameter Diamètre de la carotte	Core Weight Poids de la carotte	Core Volume Volume de la carotte	Core Density Densité de la carotte	Core Specific Gravity Poids spécifique de la carotte	Core Mineralogy Minéralogie de la carotte
From/De	To/A										
			30.6 - 31.0: white BU Q.A.S. TCA 1-2% blags of pr. Tr. Crp - possibly the Camp Vein.								
			31.0 - 31.5: unshaly fine basalt; fl. c. 50 TCA 1-2% at 31-35 veinlets								
			31.5 - 32.0: 10-15% gr-ss containing with tourmaline banding; contacts vary @ 15°-70° TCA.								
			32.0 - 32.4: Several white barren Q.V.S. > 10 grains at 40 TCA.								
	51.0	F.O.H.									

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de carotte.



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

Diamond Drilling Log  
Journal de forage au diamant

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires le présent formulaire et le croquis annexé

Fill in on every page  
Remplir ces cases à chaque page

Hole No. Forage n° SV-2  
Page No. Page n° p.1/2

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements servent à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage <b>Summit Drilling Services</b>	Core Size Dimensions de la carotte <b>BQT</b>	Collar Elevation Élévation du collier <b>+/- 422 m</b>	Heading of hole from true North/Position du forage par rapport au nord vrai <b>155°</b>	Total Footage Avancement total du forage <b>46m</b>	Dip of Hole at Inclinason du forage au Collar/boulier <b>1 - 45</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte <b>G. 2532</b>	Claim No. N° de concession minière <b>P. 3001268</b>
Date Hole Started Date de commencement du forage <b>Oct. 21 /05</b>	Date Completed Date d'achèvement <b>Oct. 22 /05</b>	Date Logged Date d'inscription au journal <b>Oct. 24 /05</b>	Logged by (print) Inscrit par (écrite en lettres moultées) <b>A. P. Pyslak</b>	Logged by (Signature) Inscrit par (signature) <b>A. Pyslak</b>	PLM PLM PLM PLM	Address/Location where core stored Adresse/endroit où la carotte est stockée	Location (Twp., Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>BECKINGTON LAKE AREA PATRICIA MINING DIVISION UTM B3 - ZONE 18 555630N by 668070E</b>	Property Name Nom de la propriété <b>St. Anthony / STURGEON LAKE</b>
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>Emerald Field Resource Corp. 1540 PINE PORTAGE RD., KENORA, ONT.</b>								

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Hole Depth Angle / Depth des caractéristiques Mètres	Core Length Longueur du cœur Mètres	Core Diameter Diamètre du cœur Mètres	Core Weight Poids du cœur Kilogrammes	Core Volume Volume du cœur Litres	Core Density Densité du cœur g/cm³	Core Analysis Analyse du cœur Méthode
From/De	To/A									
0	2.4	Casing	cumulus bedrock, not cored - casing pulled							9/7
2.4	9.7	Basalt	dk green to black, strongly biotitized basalt.				328408	9.0	9.7	0.7 6.005
9.7	10.5	qtz-ct vein	70% quartz veins; 30-25% low angle veins injected by younger high angle veins; 1% po. as blebs - weak bubble alteration on vein margins				328409	9.7	10.5	0.8 8.005
10.5	11.6	vein section	20% low angle, barren qtz-ct veins				328410	10.5	11.0	0.5 0.151 (av)
11.6	27.6	Basalt	weakly bleached chloritic basalt. minor qtz-ct veining				328411	11.0	11.6	0.6 0.247
			13.0 : 1.5cm qtz-ct @ 50° TCA; 1/6 po. Tr.cpy							
			10.4-10.5 : a 5cm white vein and a 1-cm blue av @ 60° TCA.							
27.6	29.1	Basalt-altered	5% white calcite veinlets of approx. 1.0mm and moderate brown biotite alteration - veining @ 90° TCA				328412	27.6	28.4	0.8 0.105
			28.40-28.65 : av @ 90°, cuts fol. white is @ 35°				328413	28.4	28.65	0.25 0.073
			1-2% blebs of magnetite, po and Tr.cpy - likely the Camp Vein.				328414	28.65	29.1	0.45 2.028
			28.65-29.1 : mod. bio-cal alteration.							
29.1	35.5	basalt	moderately foliated, weakly bleached basalt. 1-5% qtz-ct veinlets to 1.2cm.				328415	34.8	35.5	0.70 0.017

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

**Diamond  
Drilling  
Log**

**Journal de  
forage au  
diamant**

Complete this form and  
related sketch in duplicate.  
Remplir en deux exemplaires la  
présente formule et le croquis annexé

Fill in on every page  
Remplir ces cases  
à chaque page

Hole No. Forage n°	Page No. Page n°
81-2	p.2/2

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements servent à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage		Core Size Dimensions de la carotte	Collar Elevation Élévation du collier	Starting of hole from true North/Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at inclinaison du forage au		Address/Location where core stored Adresse/l'endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière	
Date Hole Started Date de commencement du forage						Date Completed Date d'achèvement					Date Logged Date d'inscription au journal
Exploration Co., Owner or Options Compagnie d'exploration, propriétaire ou titulaire d'option		Logged by (Signature) Inscrit par (signature)		Collar/Collier		Location (Twp., Lot, Con. or Lat. and Long.) Emplacement (section, lot, concession, ou latitude et longitude)		Property Name Nom de la propriété			
Footage/Avancement		Rock type Type de roche		Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)		Core Length Longueur de la carotte			ST. ANTHONY / STURGEON LAKE		
From/De	To/A					From/De	To/A	Core Length Longueur de la carotte			
35.5	42.5	Basalt		massive, cherty basalt.							
42.5	48.0	Basalt		Weakly fractured and brecciated, laminated by white cherty veinlets (3-4%) on mm-scale. Trace tourmaline with veins minor biotite alteration in basal.							
48.0	E.O.H.	E.O.H.									

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.





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

**Diamond Drilling Log**  
**Journal de forage au diamant**

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires la présente formule et le croquis annexé.

Fill in every page  
Remplir ces cases à chaque page

Hole No. Forage n°  
SV-3  
Page No. Page n°  
1/1

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements serviront à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage <b>Summit Drilling Services</b>	Core Size Dimensions de la carotte <b>BQT</b>	Coiler Elevation Élévation du coiller <b>+/- 422'</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>180°</b>	Total Footage Avancement total du forage <b>44.0</b>	Dip of Hole at Inclinaison du forage au Collonetteur   <b>-80°</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KING FISHERIES (2004) INC. KENORA, ONT.</b>	Map Reference No. N° de référence sur la carte <b>G.2532</b>	Claim No. N° de concession minière <b>P. 3001269</b>
Date Hole Started Date de commencement du forage <b>Oct. 23/03</b>	Date Completed Date d'achèvement <b>Oct. 24/05</b>	Date Logged Date d'inscription au journal <b>Oct. 25/05</b>	Logged by (print) Inscrit par (écrire en lettres moulées) <b>A. P. Pysek</b>	Logged by (Signature) Inscrit par (signature) 			Location (Twp., Loc., Con. of Lat. and Long.) Emplois (town, lot, concession, ou latitude et longitude) <b>BECKINGTON LAKE AREA NAD PATRICIA MINING DIVISION UTM 83 - ZONE 18 555630 N by 668070 E</b>	Property Name Nom de la propriété <b>St. Anthony's STURGEON LAKE</b>
Exploration Co., Owner or Options Compagnie d'exploration, propriétaire ou titulaire d'option <b>Emovald Field Resources Corp.</b>								

Footage/Avancement		Rock type	Description (Colour, grain size, texture, minerals, alteration, etc.)	Core Length Longueur de la carotte	Core Diameter Diamètre de la carotte	Core Weight Poids de la carotte	Core Volume Volume de la carotte	Core Density Densité de la carotte	Core Specific Gravity Poids spécifique de la carotte
From/De	To/A	Type de roche	Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	From/De	To/A	From/De	To/A	From/De	To/A
0	35.5	Basalt.	- dark green, chloritic, fine grained basalt flows - very weak biotite-chlorite alteration - 2-3 white qtz-calc veins, mm-scale, generally foliation parallel @ 35° TCA 0-4.5 : highly fractured 9.7 : 1-cm qv @ 35° - parallel to fl. 10.0 : 8-cm qv @ 80°, high angle to fl. 27.9-28.4 : 5-6% fl. - parallel qtz-calc veins, 1-cm 28.4-35.5 : more massive phase of basalt flows	328416	33.5	34.1	0.6	0.005	
35.5	37.5	Basalt	moderate to strong biotite-calc alteration 34.1-34.4 : white to grey qv, weakly banded by biotite, 1% po along upper contact. Vein @ 80° TCA - likely the Temp Vein. 35.2-35.35 : white barren qv @ 40°, foliation parallel 36.35-36.45 : 10-cm qv @ 70°, Tr. py, po, cpy 36.60-36.65 : qv @ 70°, Tr. py, po, cpy	328417	34.1	34.5	0.4	0.005	
				328418	34.5	35.0	0.5	0.029	
				328419	35.0	35.7	0.7	0.005	
				328420	35.7	36.7	1.0	0.007	
				328421	36.7	37.5	0.8	0.086	
37.5	44.0	Basalt.	massive, dk green chloritic basalt; v.w. calc-biot alt fol. weak @ 35° TCA						
	44.0	E.O.H.							

0204  
(09/00)

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.





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

**Diamond Drilling Log**  
**Journal de forage au diamant**

Complete this form and related sketch in duplicate.  
Remplir en deux exemplaires la présente formule et le croquis annexé.

Fill in on every page  
Remplir ces cases à chaque page

Hole No. Forage n°  
SV-4  
Page No. Page n°  
p 2/2

Under section 8 of the Mining Act, this information is used to maintain a public record. Aux termes de l'article 8 de la Loi, ces renseignements serviront à tenir à jour les dossiers publics.

Drilling Company Compagnie de forage	Core Size Dimensions de la carotte	Collar Elevation Élévation du collier	Bearing of hole from true North Position du forage par rapport au nord vrai	Total Footage Avancement total du forage	Dip of Hole at Inclination du forage au	Address/Location where core stored Adresse/endroit où la carotte est stockée	Map Reference No. N° de référence sur la carte	Claim No. N° de concession minière
Date Hole Started Date de commencement du forage	Date Completed Date d'achèvement	Date Logged Date d'inscription au journal	Logged by (print) Inscrit par (écrire en lettres moulées)	Collar/Collier	Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)			
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option			Logged by (Signature) Inscrit par (signature)	FLPI				
				FLPI				
				FLPI				
Property Name Nom de la propriété								

Footage/Avancement		Rock type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Core Status Statut de la carotte	Core Orientation Orientation de la carotte	Core Length Longueur de la carotte	Core Diameter Diamètre de la carotte	Core Weight Poids de la carotte	Core Volume Volume de la carotte	Core Density Densité de la carotte	Core Analysis Analyse de la carotte	
From/De	To/A											
52.5	57.0	Basalt	Intensely bleached basalt with 5%-10% st. carb veins to 15cm, 2-4% fine disseminated py-po					328434	52.5	53.0	1.3	0.008
			53.5-55.0: more massive phase with L contact on a 1.0cm gouge fault					328435	53.8	55.0	1.2	0.005
			55.0-57.0: st carb-sil alteration with 5% pyrite in bands and disseminated form.					328436	55.0	57.0	2.0	0.039
57.0	74.5	Basalt	less altered section with minor qtz-carb veins - Archaic carb alt <sup>2</sup> is moderate.									
74.5	82.0	Basalt	Bleached & altered zone with 15-20% banded carb veins to 20cm in width; moderate silicification, 3-4% diss. py					328437	74.5	75.5	1.0	0.005
								328438	75.5	76.5	1.0	0.024
82.0	92.0	Basalt	Dark grey, massive, weakly bleached basalt with 1-2% diss magnetite, 1% diss py-po and 3% qtz-cb veining to 2.0cm.					328439	76.5	77.5	1.0	0.005
								328440	77.5	78.5	1.0	0.026
								328441	78.5	79.5	1.0	0.005
								328442	79.5	80.5	1.0	0.005
								328443	80.5	81.5	1.0	0.005
								328444	81.5	82.0	0.5	0.005

\*For features such as foliation, bedding, schistosity, measured from the long axis of the core.  
\*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.



## APPENDIX 'B'

# Certificate of Analysis

Friday, December 23, 2005

Emerald Fields Res. Corp.  
1546 Pine Portage Road  
Kenora, ON, CA  
P9N2K2  
Ph#: (807) 468-7374  
Fax#: (807) 468-9792  
Email emerald@voyageur.ca

Date Received : 21-Dec-05  
Date Completed : 23-Dec-05  
Job # 200542300  
Reference :

Sample #: 44 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
165067	328401	<5	<0.001	<0.005
DDH ST-1 165068	328402	6	<0.001	0.006
165069	328403	<5	<0.001	<0.005
165070	328404	<5	<0.001	<0.005
165071	328405	13	<0.001	0.013
165072	328406	105	0.003	0.105
165073	328407	196	0.006	0.196
165074	328408	<5	<0.001	<0.005
DDH ST-2 165075	328409	<5	<0.001	<0.005
{ 165076	328410	7	<0.001	0.007
{ 165077 Check	328410	294	0.009	0.294
165078	328411	267	0.008	0.267
165079	328412	105	0.003	0.105
165080	328413	73	0.002	0.073
165081	328414	2028	0.059	2.028 (0.45~)
165082	328415	17	<0.001	0.017
165083	328416	<5	<0.001	<0.005
165084	328417	<5	<0.001	<0.005
165085	328418	29	<0.001	0.029
DDH ST-3 165086	328419	<5	<0.001	<0.005
{ 165087	328420	<5	<0.001	<0.005
{ 165088 Check	328420	10	<0.001	0.010
165089	328421	86	0.003	0.086

PROCEDURE CODES: AL4Au3, AL4ICPAR

Page 1 of 3

Certified By:

Derek Demianuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested

The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory

## Certificate of Analysis

Friday, December 23, 2005

Emerald Fields Res. Corp.  
1546 Pine Portage Road  
Kenora, ON, CA  
P9N2K2  
Ph#: (807) 468-7374  
Fax#: (807) 468-9792  
Email emerald@voyageur.ca

Date Received : 21-Dec-05  
Date Completed : 23-Dec-05  
Job # 200542300  
Reference :  
Sample #: 44      Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
165090	328422	7	<0.001	0.007
165091	328423	<5	<0.001	<0.005
165092	328424	23	<0.001	0.023
165093	328425	27	<0.001	0.027
165094	328426	9	<0.001	0.009
165095	328427	319	0.009	0.319
165096	328428	<5	<0.001	<0.005
165097	328429	<5	<0.001	<0.005
165098	328430	<5	<0.001	<0.005
165099	328430	<5	<0.001	<0.005
165100	328431	9	<0.001	0.009
165101	328432	11	<0.001	0.011
165102	328433	<5	<0.001	<0.005
165103	328434	8	<0.001	0.008
165104	328435	<5	<0.001	<0.005
165105	328436	39	0.001	0.039
165106	328437	<5	<0.001	<0.005
165107	328438	24	<0.001	0.024
165108	328439	<5	<0.001	<0.005
165109	328440	32	<0.001	0.032
165110	328440	20	<0.001	0.020
165111	328441	<5	<0.001	<0.005
165112	328442	<5	<0.001	<0.005

Σ

Σ

Σ <0.005

DDH  
ST-4

Σ

Σ

Σ 0.026

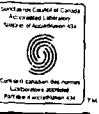
PROCEDURE CODES: AL4Au3, AL4ICPAR

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

Derek Demianiuk H.Bsc., Laboratory Manager

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Email emerald@voyageur.ca

Date Received : 21-Dec-05  
Date Completed : 23-Dec-05  
Job # 200542300  
Reference :

Sample #: 44      Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
165113	328443	<5	<0.001	<0.005
165114	328444	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

Certified By

Derek Demianluk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested

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Date / Time of Issue: Fri Jul 16 11:48:54 EDT 2004

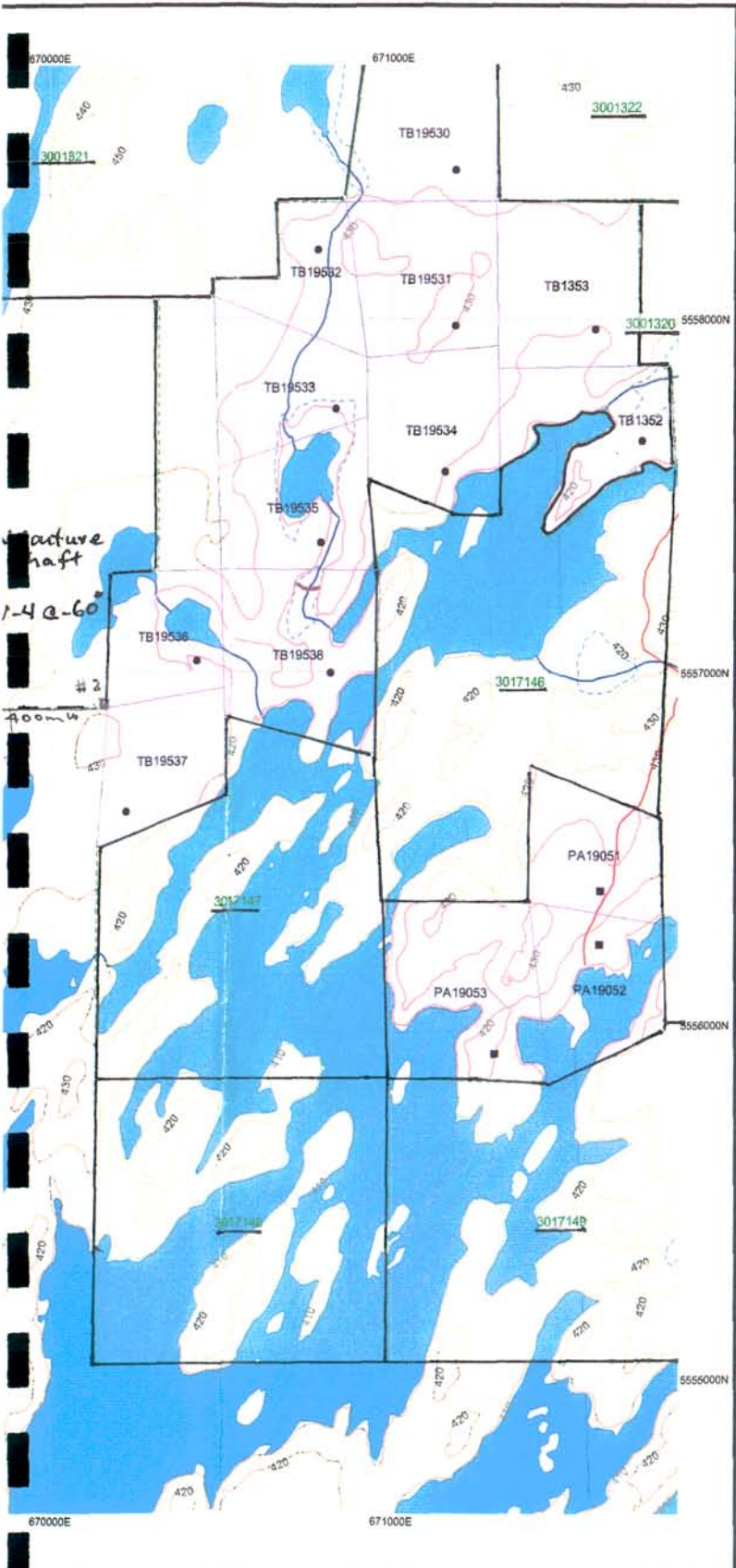
**TOWNSHIP / AREA**  
**BECKINGTON LAKE AREA**

**PLAN**  
**G-2532**

**ADMINISTRATIVE DISTRICTS / DIVISIONS**

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

Patricia  
**THUNDER BAY**  
**DRYDEN**

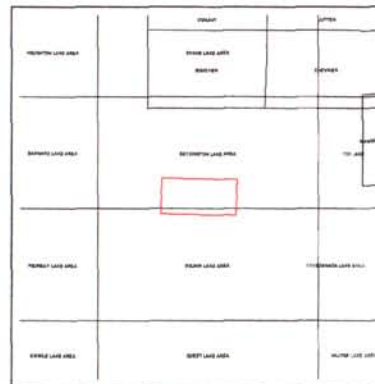


**TOPOGRAPHIC**

- 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**

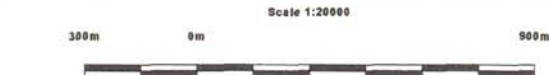
- Freehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation**
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
  - Land Use Permit
  - Order In Council (Not open for staking)
  - Water Power Lease Agreement



**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

**IMPORTANT NOTICES**



**LAND TENURE WITHDRAWAL DESCRIPTIONS**

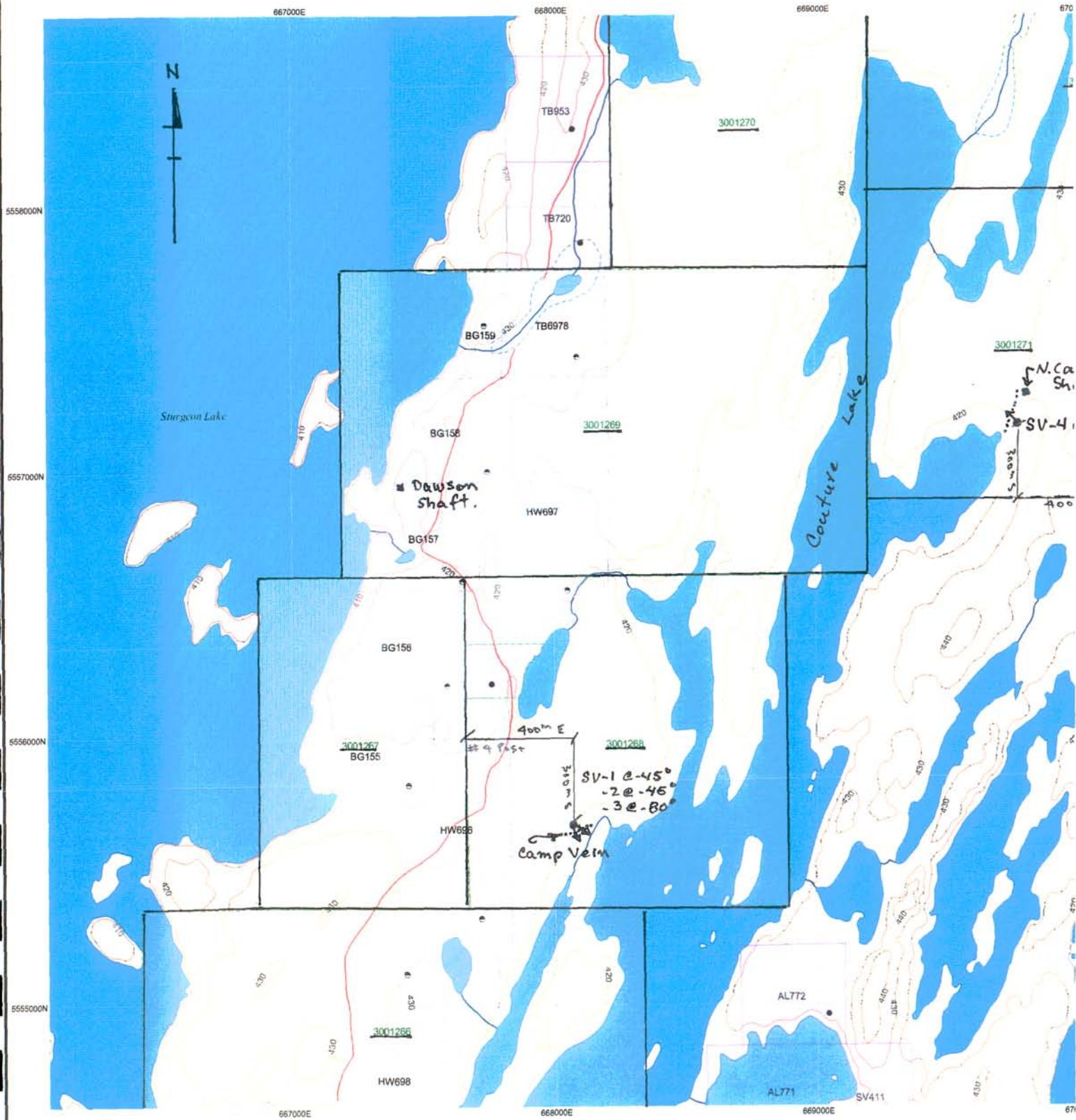
Identifier	Type	Date	Description
W-52/83	Wsm	Jan 1, 1983	SURFACE AND MINING RIGHTS WITHDRAWN W-52/83 FILE 188542

*Emerald Field Resource Corp.*  
*St. Anthony Project*  
*DDH. Locations, 2005 drilling.* FIG-D-1  
IA

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.





UTM Zone 15  
1000m grid  
**FIG. D-1/B**

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 on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

**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/MNDMMINES/LANDS/misnmpg.htm](http://www.mndm.gov.on.ca/MNDMMINES/LANDS/misnmpg.htm)  
 Toll Free  
 Tel: 1 (888) 415-9845 ext 579  
 Fax: 1 (877) 670-1444  
 Map Di  
 Topogr  
 Mining



DDH SV# @ -80° - 180° Azi.

#328416 (33.5-34.7)	<0.005 0.6
#328417 (34.1-34.5)	<0.005 0.4
#328418 (34.5-35.0)	0.029 0.5
#328419 (35.0-35.7)	<0.005 0.7
#328420 (35.7-36.7)	0.007 1.0
#328421 (36.7-37.5)	0.086 0.8

DDH SV-2 @ -45° - 155° Azi.

Co-ordinates  
(GPS 668060 E  
by 5855600 N)

<0.005	0.9
0.006	1.1
<0.005	0.5

DDH SV-1 @ -45° - 120° Azi.

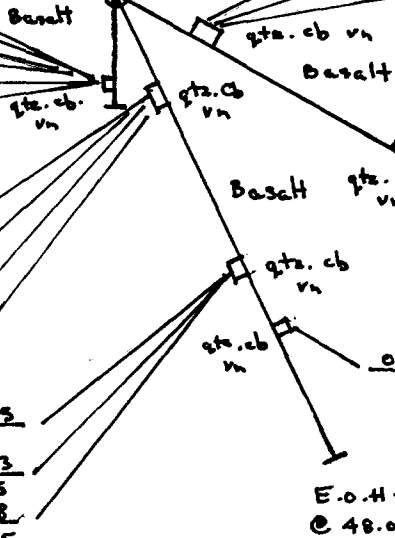
#328401 (8.0-8.9)	
#328402 (8.9-10.0)	
#328403 (10.0-10.5)	

<0.005	#328404 (30.0-30.6)
0.6	#328405 (30.6-31.0)
0.013	#328406 (31.0-31.5)
0.9	#328407 (31.0-32.0)
0.185	
0.8	
0.136	
0.5	

#328408 (9.0-9.7)	<0.005 0.7
#328409 (9.7-10.5)	<0.005 0.8
#328410 (10.5-11.0)	0.007 0.5
#328411 (11.0-11.6)	0.131 0.6

#328412 (27.6-28.4)	0.105 0.8
#328413 (28.4-28.65)	0.073 0.25
#328414 (28.65-29.1)	2.028 0.45

0.017	#328415 (34.8-35.5)
0.7	



River 100m to the east →

RECORDED MINING CLAIM  
P.3001268

SURFACE PLAN  
- CAMP VEIN ZONE -

0 10m  
Scale 1:500 metric

NOTE: Drill holes @ 400m East & 300m South  
of #4 POST

DDH # SV-1, -2 & -3  
PLAN  
Emerald Fields Resource  
Corporation  
ST. ANTHONY / STURGEON LAKE PROJECT  
(DRILL HOLE PROJECT)  
FIG. D-2

DWG. BY: A. MOWAT  
DWG. DATE: MARCH 8th, 2006

5557400 N



MINING CLAIM  
R. 3001271

Old skidder trail

shear with ankerite  
veining  
pit -2.5m  
pit -1.5m  
mafic volcanics

5557300 N

Flattened muck pile  
North Couture Shaft - capped

muck pile  
QTZV, cb, py

Sheared  
QTZ-cb-py zone  
old trenches, excavations

Sample # 328437  
to - 444 = 8 samples  
- 7.5m

Trace  
7.5m

Trace  
4.5m  
Sample # 328434  
to - 436 over = 3  
4.5m

Sample # 328422  
to # 328433  
= 12 @ 1m intervals  
Highest # 328427 @ 0.32 gpt

old pit -2.5m

0.30 gpt  
1.0m

Diamond Drill Hole  
SV-4 @ -60°, Az. 315° to 92.0m  
0669770E, 555714N (Nad-B3, Zone 15)

55572000

260m

NB: Distance  
location of  
SV-4 to # 2  
claim post

400m

North Couture  
Au-Showing

SV-4  
ODH Location

0 scale 1:1,000m 40m

UTM - Zone 15, NAD B3

FIG. D-3

Emerald Fields Resource Corporation  
ST. ANTHONY / SURGEON LAKE

Couture  
Lake.

669000