Geotechnical Submission For Assessment Work Credit

Property Name: Aurum: O'Sullivan Lake Area.

NTS LOCATION: 42L6NE & 42L7NW

CLAIM MAP(S) G-0362 & G-0319

2.32526

Mining claims Included: TB 1196090, 1242501, 1242503 & 1242504, 3012082 to 3012092 incl., 3012351 & 3012352, 3012364. (18 claims)

Type(s) of Work Performed:

Geological Mapping (Kowkash Grid), Sampling/Assaying, Line Cutting, Prospecting Geophysics, Stripping/Trenching, New Prospecting.

Report Author: David E. Christianson

Co-Author: "Geological Mapping, Kowkash Grid A": Dr. John C. Davies Ph. D., Geol

G.I.S. Map Production: Dan Beauchamp P. Geol

Report Date: June 1st, 2006

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Note: - Maps are located in Map Pockets at end of Report.
- Figure are located on respective pages in Report.

Executive Summary

The following report relates to exploration development work performed on some claims located in the O'Sullivan lake area of north western Ontario, Thunder Bay Mining District.

Shaggy Dog Exploration Inc. (SD), entered into an Option to Purchase Agreement with claim owner Craig M. Maitland, covering the purchase of 18 mining claims which are the subject of this report, on January 31st, 2003. This agreement was subsequently legally assigned to Superior Canadian Resources Inc. (SCRI), [the company] on April 5th, 2004.

The company was attracted to this particular area for several reasons including a lengthy history of past exploration that resulted in no less than 32 mineral occurrences being recorded in the Mineral exploration Index files (MNDM) See Map AS-01 in Map pocket at end of this Report. The old gold hunters analogy relating to 'finding' elephants, in elephant country' fit in here as well, with the proximity of the old Consolidated Louanna Gold Mine (prod. 15,400 oz gold).

During the winter/spring of 2004, SCRI's geological team consisted of, Dr. David Evans Ph. D., Geol, President, Peter Wielezynski M., P. Geol. Vice President, Exploration, Dr. Michael Marchand Ph. D., Geol, Director (Geophysical specialist), and David E. Christianson project manager, (author of this report).

A great deal of time was spent during this period compiling and analyzing the volumes of data and maps relative to the area and its history of past development. Finally an operations plan fell into place and the overall project area was broken into several specific sub project areas. See Map AS-02. The search for competent field personnel then got underway.

The 'Kowkash' project area would be the subject of small-scale fresh bedrock mapping to start. There was some question as to rock types etc. noted in past reports, therefore this project would start with an accurate description of the rocks and minerals found within a predefined grid area. Old workings would be located, cursorily cleaned up and sampled as appropriate, and all old diamond drill collars would be accurately re-located etc. Needless to say, additional new prospecting would also be undertaken.

Due to the excessively harsh bush conditions (recent major blow-down events), a grid would be needed to accommodate mapping etc. The Kowkash 'A' grid was subsequently tentatively laid out. Figure AS-03, on following page.

The Kowkash grid area would also be the subject of detailed ground geophysics using an EM 16 unit coupled with a TX 27 transmitter unit (Appendix 3). In order to complete this process it was deemed necessary to brush out parts of the older (1998) 'B' Grid. Figure AS-04 on following page.

The "Gagnon project area' (Map AS-08 & AS-09), would be the subject of a review of the old workings plus new prospecting along strike in both directions. A process of 'prospecting geophysics' (see explanation of process later in this report) would also be undertaken as required and appropriate.

As if this wasn't enough for one season, budget and time provisions would also be made to accommodate some additional general project area prospecting. The goal here was to turn up 'New showings" of which several were found and elaborated on later in this report.

In any event at some point mid-project(s) a general plan review meeting would (did) take place during which all field personnel had an opportunity to report their findings to the group. Coincidental to this time, SCRI V.P. Exploration P. Wielezynski, visited the property and had an opportunity to review the work that had been done.

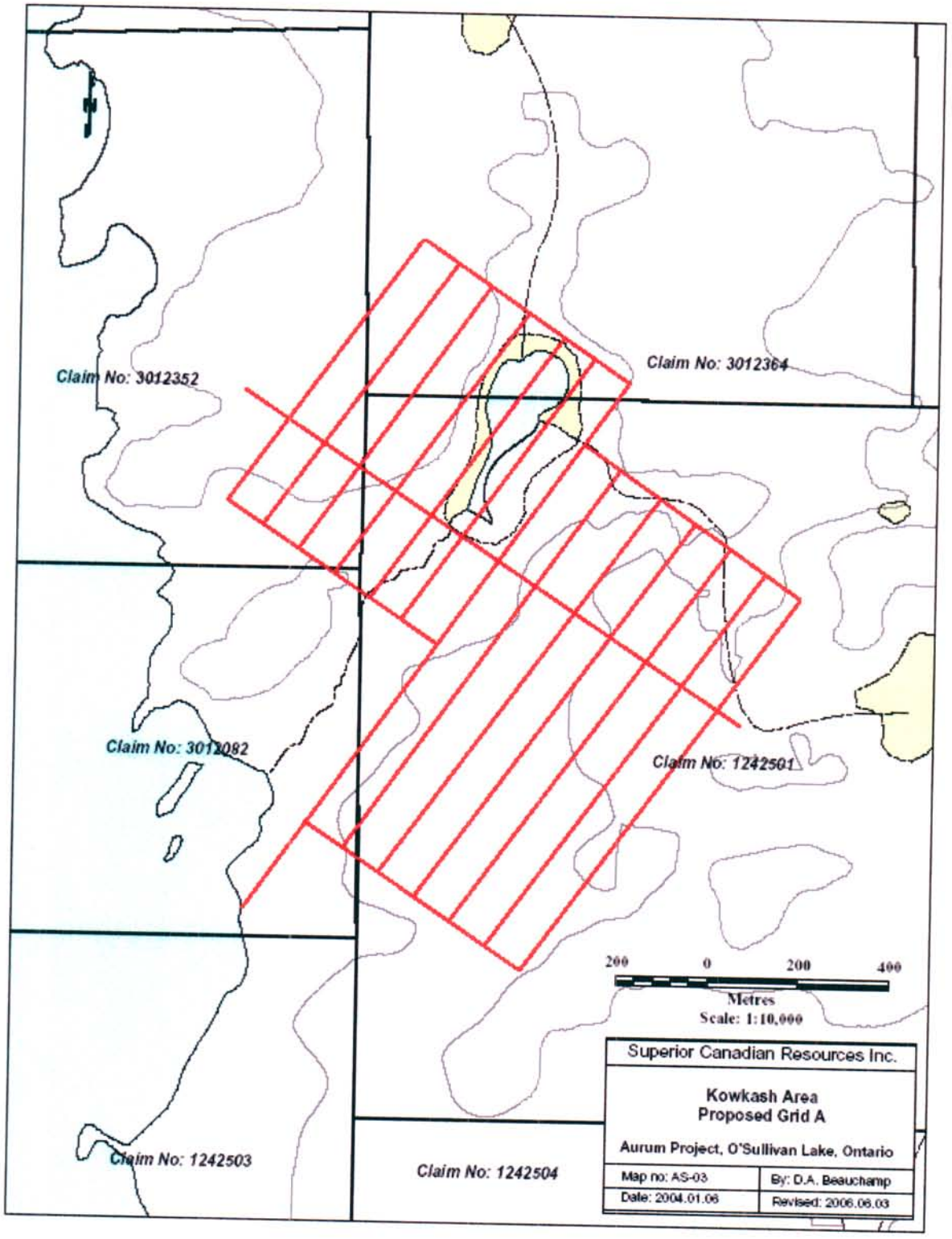
Although there was some disagreement between the field personnel, (including the project manager) and Wielezynski, a higher priority was attached to doing further prospecting in the Kowkash area and all other projects would be put on hold.

The mapping crew left the project on July 1st and the crew regrouped and prepared for the additional work as outlined by Wielezynski.

Details concerning how and when work was performed in and on the different projects is discussed in the main body of this report.

2004 field work ended on July 31st when the camp was demobed to Thunder Bay and respective personnel returned home.

Reports covering the specifics of each sub-project were compiled after July 31/04.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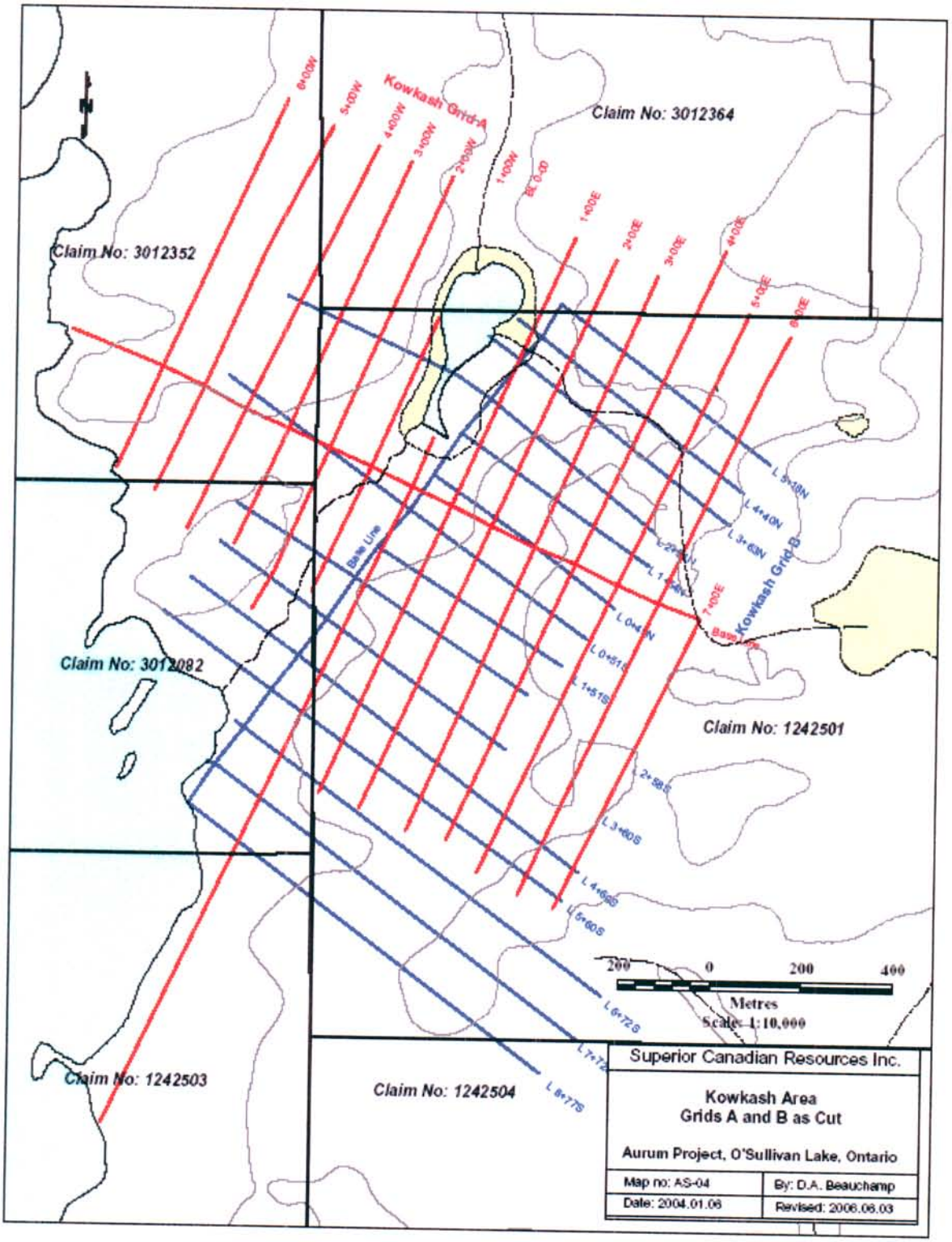
Claim No: 3012364
Claim No: 3012082
Claim No: 1242501
Claim No: 1242503
Claim No: 1242504
200 0 200 400
Metres
Scale: 1:10,000
Superior Canadian Resources Inc.
Kowkash Area
Proposed Grid A
Aurum Project, O'Sullivan Lake, Ontario
Map no: AS-03
By: D.A. Beauchamp
Date: 2004.01.06
Revised: 2006.06.03


Claim No: 3012364
Claim No: 3012352
Claim No: 3012082
Claim No: 1242501
Claim No: 1242503
Claim No: 1242504
Kowkash Grid-A
Kowkash Grid-B
Base Line
8+00W
5+00W
4+00W
3+00W
2+00W
1+00W
0E
1+00E
2+00E
3+00E
4+00E
5+00E
8+00E
L 5+18N
L 4+40N
L 3+63N
L 0+44N
L 0+51S
L 1+51S
2+58S
L 3+60S
L 4+66S
L 5+60S
L 6+72S
L 8+77S
200 0 200 400
Metres
Scale: 1:10,000
Superior Canadian Resources Inc.
Kowkash Area
Grids A and B as Cut
Aurum Project, O'Sullivan Lake, Ontario
Map no: AS-04
By: D.A. Beauchamp
Date: 2004.01.06
Revised: 2006.06.03

A few notes on the field personnel selected:

The Project Manager was highly sensitive to getting the right people for the different parts of the project and proved very successful in these regards. The 2004 field crew consisted of:

Dr. John C. Davies Ph. D., P. Geol: would lead the bedrock mapping of the Kowkash project area. According to some of his peers, John *wrote the book on bedrock mapping*, especially at the township scale. In his various roles with the Ontario Geological survey, including a stint as Resident Geologist (Kenora division), he had occasion to do a considerable amount of mapping (Cameron Lake). This writer believes that what made him so good, was the fact that he loved doing it.

John was ably assisted in the field by his son **John-Mark Davies**. JM had spent many enjoyable days/months working with father John in the past and he also had a love for the bush. He recently graduated from University in the field of Biology. Bugs, rocks and water were the topics of many an interesting bush conversation we're sure.

Shaun Parent was chosen to perform new prospecting and geophysical instrument operation as required. Shaun is a born 'bush-rat' who also loves what he does. A highly experienced and proficient prospector, Shaun has many *'new showings'* and *'occurrences'* under his belt. The geophysical prospecting technique (explained later) that he used on the Gagnon project proved very efficient.

Paul Beckett C.E.T., a recent graduate from Sault College's Exploration Engineering Technology program, ably assisted Shaun in his endeavours. Paul was not only a quick learner but willing to do anything which is a real bonus in any exploration camp.

Ian McCutchon was the camp's *'jack-of-all'* and helped out in all project areas including camp duties, prospector's helper, expediter etc. Ian was particularly adept at keeping Christianson *vertical* while in the field.

Line Cutting contractor: 'Beaver Head Linecutting' (Fred Ice) provided line-cutting services on the original Kowkash 'A' grid. The project took excessively long due to extreme bush conditions.

Additional line cutting, including brushing out the old Kowkash 'B' grid, and line extensions, plus line cutting in the Gagnon project area was done by several local native lads from the Aroland Reserve. Their

names are found in the 'Contractors Contact Information Table' attached.

Blake Mendowegan and David Besson, both local native boys were contracted to assist with chaining and prospecting, including washing, sawing and blasting samples. These two lads can now proudly call themselves competent '*prospector's helpers*'. The project manager took them under his wing and taught them many tricks of the trade, which they readily learned (and got quite good at).

Property Location /Access

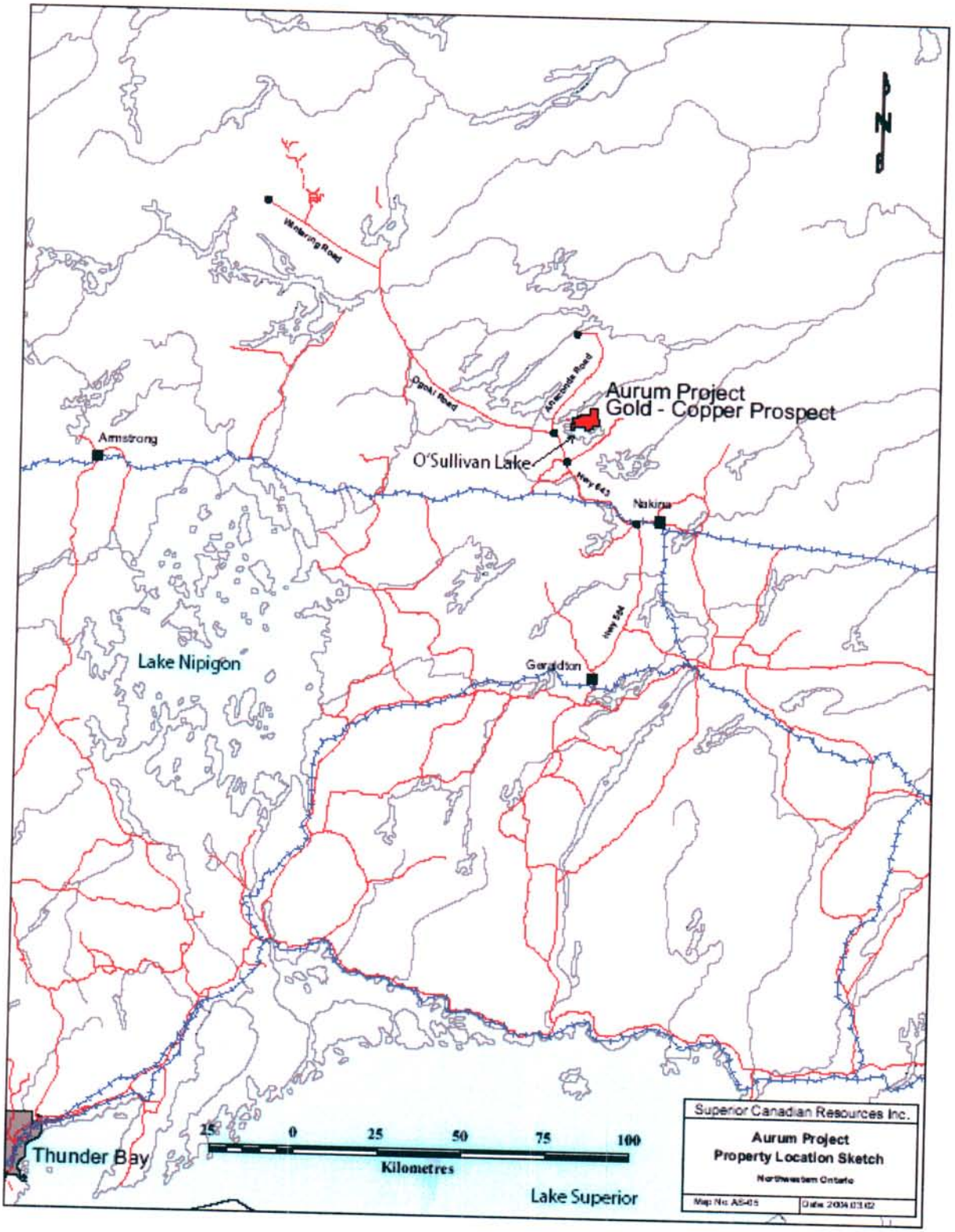
This 18 claim Aurum Property is located in what used to be the Kowkash Mining division, now Thunder Bay North.

Description/Location:

The property known, as the **Aurum Property** is located partly within the O'Sullivan lake area **G Plan # 0362** and adjoining Maun lake Area, **G Plan # 0319.** Copies of both G-Plans are found in the map Pockets at the end of this report. The 18 claim group is located within the Beardmore-Geraldton OGS Resident Geologists Office area of Thunder Bay Mining Division. NTS co-ordinates for the area are **42L6NE** and **42L7NW**. See Figure AS-05 on following page.

Access to the property .....is by road via Provincial highway # 587 north from Geraldton Ontario to highway #643 immediately south of Nakina Ontario. Proceed west on hwy. 643 approximately 42.2 km's (past Aroland FN Reserve) to a junction and proceed east for approximately 1.8 km's to the road to O'Sullivan's Rainbow Resort. Turn right and proceed past the resort (2 km) to the end of the road on Osull lake Peninsula to SCRI base camp on O'Sullivan lake. Access to the claims is then accomplished by boat from camp to various points within the claim group.

Access can also be gained via float plane from Nakina.


N
Watering Road
Opuki Road
Ashmanda Road
Aurum Project
Gold - Copper Prospect
Armstrong
O'Sullivan Lake
Hwy 643
Nakina
Hwy 584
Geraldton
Lake Nipigon
Thunder Bay
25 0 25 50 75 100
Kilometres
Lake Superior
Superior Canadian Resources Inc.
Aurum Project
Property Location Sketch
Northwestern Ontario
Map No: AS-05
Date: 2004.03.02

Registered Claim Owner(s):

The current registered holder of 100% interest in all (18) claims covered in this report is **Craig M. Maitland** of 310 Cowan St., Thunder Bay ON P7A 1R7.

Superior Canadian Resources Inc. of suite 207, 1039 – 17th Avenue SW, Calgary AB T2T 0B1 has the right to perform and record work on these Mining Lands by virtue of an "Option to Purchase Agreement" dated April 5th, 2004. As the "Assigned Optionee" named in this Agreement, SCRI is granted the right to earn a 100% interest in the claims by performing certain types and amounts of exploration development work along with making such cash/stock payments as outlined in the Agreement.

For more information on SCRI please refer to the company website @ www.superiorcanadian.com .

Local Geology and History

Historically the O'sullivan Lake Area has been explored for gold since the 1930's.Active exploration in the 1980's lead to the development of the O'Sullivan Lake Mine (Louanna Gold Mine) which operated on limited reserves from a decline utilizing a small mill. Gold mineralization was characterized by sulphide (pyrite-arsenopyrite), and gold bearing veins at and within the contact of a feldspar porphyry unit.

There are >32 mineral occurrences hosted within the mafic to intermediate volcanic sequence which is intruded by plutons and dikes of felsic material. Map AS-01. The area is strongly affected by northeast trending structures that have acted as conduits for alteration and gold-bearing fluids. These structures create the shape of the lake and are traceable for many kilometres.

Exploration in the 1990's was limited to prospecting and sampling of the showings assisted by OPAP. Sampling by a group of prospectors has verified the grades and locations of previous explorers gold showings. The gold values range from grams to 10's of grams per tonne in various environments.

Quartz-vein-hosted showings are located throughout the area. These veins may contain: arsenopyrite, pyrite and chalcopyrite; pyrite, tellurides and carbonate; or just visible gold (values up to 1 ounce per ton). Shear zones located in the strongly altered northeast structures contain quartz veinlets, disseminated pyrite and arsenopyrite. Carbonate alteration zones are located within the vicinity of the large structures and can contain quartz veinlets with visible gold. Areas of feldspar and quartz feldspar porphyries are common and have alteration to sericite with pyretic fractures. (assays up to 0.20 ounces per ton). (MNDM MEI Index 42L06NE).

Project discussions and details:

The 'Kowkash' 2004 'A' Grid was started on May 29/04. Approximately 18 km's of grid lines spaced at 100 metre intervals was installed and completed on June 14/04. See Figure AS-06 on following page. Cutting took much longer than anticipated due to excessively harsh (blow down) conditions. Contract services were provided by Beaver Head Line cutting c/o Fred Ice.

Bedrock Mapping (grid scale) of 'A' grid commenced on June 10/04 and was completed by Dr. John C. Davies and assistant John Mark Davies on July 1/04. Here again, prospecting of grid and between lines was exceptionally difficult due to harsh bush conditions.

A report on the bedrock mapping project was later prepared by Dr. Davies and is included as follows.....

A geological plan showing information gathered during mapping is included in the map section of this report. See Map AS-13, " Geological Mapping, 2004 Davies Geology over P3377" in map Pocket.

Geological Mapping of the Kowkash Grid
Aurum Project
Superior Canadian Resources Inc.

Introduction

The presence of gold in the O'Sullivan Lake area has been known for over 75 years and the area has been subject to considerable exploration from time to time. In 1983-1984, 15400 ounces of gold were recovered from 70 000 tons of ore at the consolidated Louanna goldmine on Osulake Peninsula, approximately 3 km west of the Kowkash Grid.

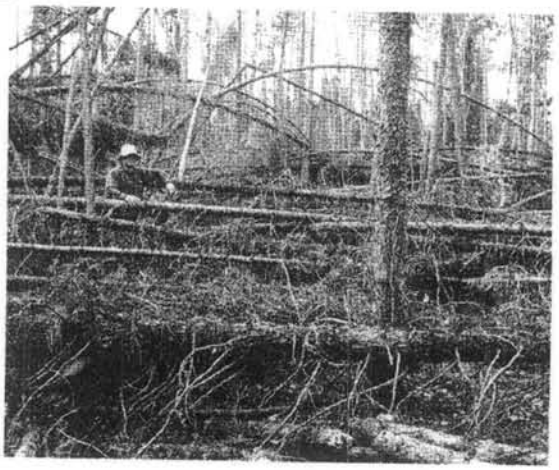
Prospecting in 1958 led to the discovery of what was called the Copper Zone. During the following year trenches were sunk, magnetometer and electromagnetic surveys were conducted on a cut grid and 14 holes were drilled on selected targets. Gold was discovered in a number of the holes, but no further work was carried out in the grid area until 1983 when airborne magnetic and electromagnetic surveys were followed by the drilling of 7 more holes. Seven additional holes were drilled in 1986 with interesting but non-economic intersections in four of the holes.

The potential for gold deposition having been demonstrated, Canadian Superior Resources Inc. began, in 2003, a program which might identify new targets for exploration. The primary purpose of the 2004 geological mapping project was to provide more details on the geology of the area, with special emphasis on locating structural features with which gold might be associated.

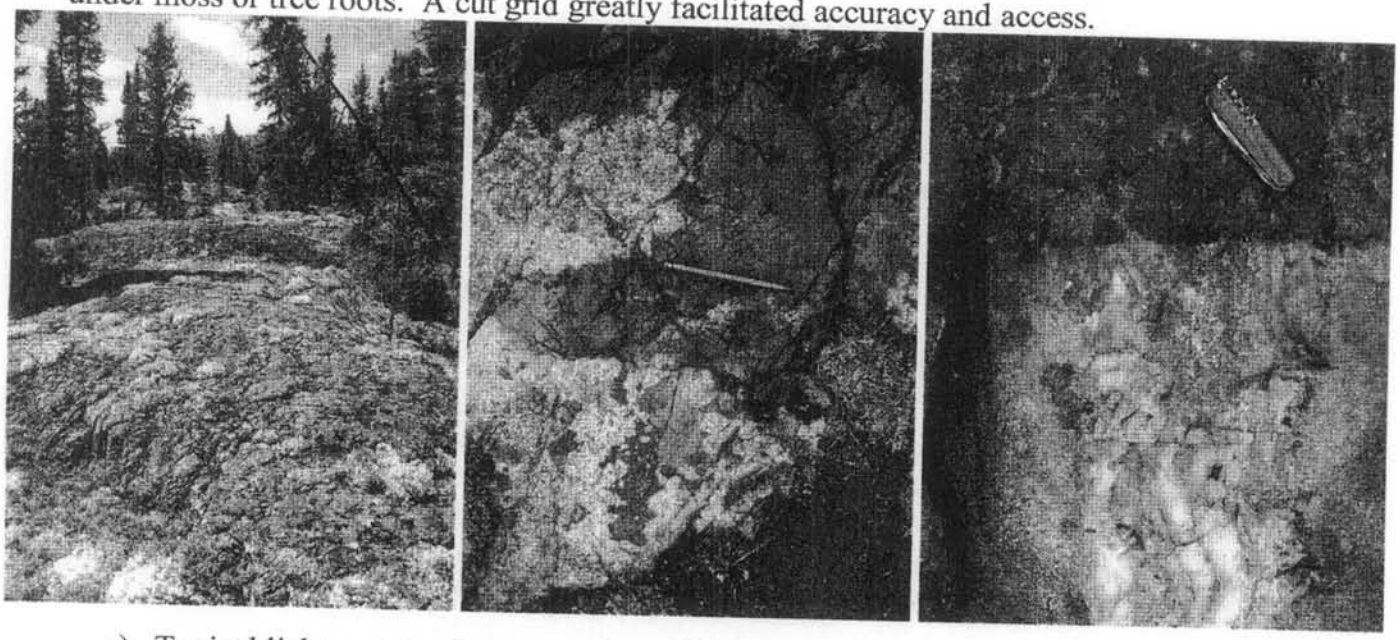
Topography and Procedures

The Kowkash grid consists of a baseline at 115° which is 1.5 km long, and cross lines every 100 metres that extend 650 m to the north and 300 m to the south (700 m south to the east of line 00). Access is by boat to the west end of the baseline, or to the south end of line 00. Maximum relief in the areas is about 15 m.

Spruce muskeg and cedar swamps cover much of the area, and higher areas have been subject in places to severe wind blow down. This results in slow and potentially dangerous travel by foot. A major problem is the extensive cover of rock outcrops by lichen, which disguise many textures and structures and which make quick interpretation difficult. Most lichens are brown but a white crustose lichen may falsely suggest the presence of a white (felsite) dyke. A black fine crustose lichen which grows preferentially on vein quartz, provides additional confusion. Best exposures are



under moss or tree roots. A cut grid greatly facilitated accuracy and access.



a) Typical lichen covered outcrop, about 325W, 275S
b) White lichen on black basalt, after moss was removed from basalt, 10W,17N
c) Bleaching/scrubbing of black lichen reveals quartz veining beneath, 25W, 35S

Cut lines were traversed and all visible outcrop was examined. Air-photo study revealed higher areas which were examined for outcrop. All outcrop was tied into the grid using pace and compass methods. The actual outline of some outcrops was drawn, but where outcrops are small, or a collection of small outcrops was seen in one locality, the outline shown on the map has been generalized or circled.

General Geology

Government-sponsored geological work was carried out over parts of the O'Sullivan Lake area in 1904 (Collins), 1916, (Hopkins) and 1929-1930 (Kindle). The authoritative work on the area was done in 1947 and 1948 (Moorhouse, 1955) and this was subsequently incorporated into a study by Parker and Stott (1998).

Basalt underlies much of the Kowkash grid and varies from very fine grained to medium grained. Lichen-covered outcrops give the impression that most of the basalt is massive and featureless, but under up-turned tree roots and beneath mosses there is evidence that pillowed basalts are abundant and, where well exposed, can be used in determining top directions. Clean weathered surfaces are greenish grey and typically display irregular hairline fractures along which there has been bleaching, carbonate deposition, traces of sulphide and, more rarely, quartz. The basalt has experienced low-grade metamorphism and recrystallization but, for the most part, lacks obvious foliation. Local shear zones are widespread but narrow (less than 20 cm) in outcrops, contain chlorite and carbonate, and weather light brown.

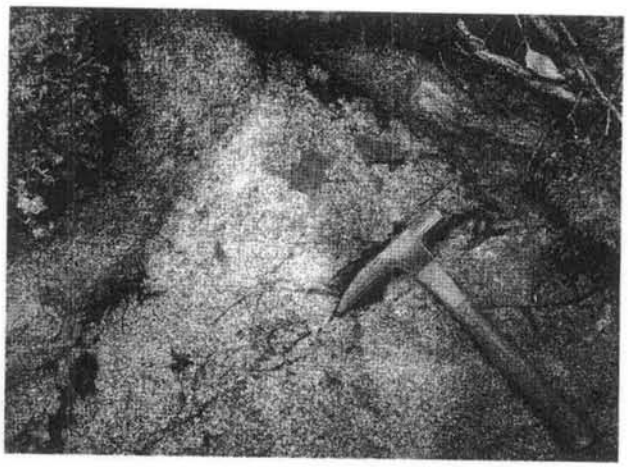
Basalt with 1 mm ground mass is common in both massive and pillowed flows. In part these contain sparse 3-5 mm white feldspars which show some resorbtion at edges, and this distinctive rock might serve as marker horizons if the distribution could be better determined. More controversial are mafic rocks with relic 2-4mm grains, which have been considered intrusive gabbro by Parker and Stott but were included with the basalt sequence by Moorhouse.

In other parts of the Wabigoon Subprovince thick flows consisting of both fine- and medium-grained sections, some of which have pillowed upper sections, are clearly extrusive and can be traced for considerable distances, and in the Kowkash grid area most of the medium-grained mafic rocks are similarly considered to be part of thick flows.

Neither intermediate nor felsic volcanic rocks were recognized in the mapping project. Moorhouse did note the presence of minor rhyolite on Cryderman Peninsula and along strike to the east, and thinly bedded tuff on both the Cryderman and Osulake peninsulas. In a number of the holes drilled by Jonsmith Mines, intersections of "rhyolite" were reported. These were described as fine-to medium-grained, dark grey to green, very hard rocks with fine stress fractures. This "rhyolite" has been brecciated in places. Quartz veins up to 4 cm across are associated with some "rhyolite", and both carbonate and sulphides are common associates. Diagnostic features appear to be the hardness and the stress lines.

Gabbro

As noted above, much of the medium-grained mafic rock is considered to be a part of the extrusive pile and metamorphosed similarly to the finer-grained basalt. North of the baseline, between lines 2W and 6W, many exposures consist of medium- to coarse-grained mafic rock, which appear less stressed than the basalt and are associated with a magnetic high. Textures suggest these rocks may be younger than the basalts. The relationship between the gabbro and basalt is confusing but would be consistent with the gabbro being a post-volcanic intrusion, which encloses blocks of both medium- and fine-grained basalt. In one outcrop, small dark, fine-grained inclusions were noted in the gabbro, as seen in the photo above the hammer head.



Granodiorite

The area east of line 2E and south of 3S appears to be mainly underlain by white weathering grandodiorite. This consists of altered white feldspar and 20-30% grey quartz with angular edges where the quartz abuts against the feldspar. The mafic content is low,

and is mainly biotite, which is partly altered to chlorite. Traces of magnetite are present. In most outcrops, particularly the two larger outcrops near lines 4E and 5E respectively, the granodiorite shows evidence of stress, especially along east-northeast treading zones. Moorhouse reported an aureole of thermal metamorphism around the granodiorite.

The granodiorite presumably correlates with the quartz-diorite noted by Sutherland (1959) in some of the drill core from the East Zone which is described as light grey to green with a sugary texture. The monzonite at the bottom of the Jonsmith hole #3 is described as medium-grained, brown and green, with some epidote, carbonate and hematite, and would seem to be unrelated to the granodiorite.

Porphyry Dikes

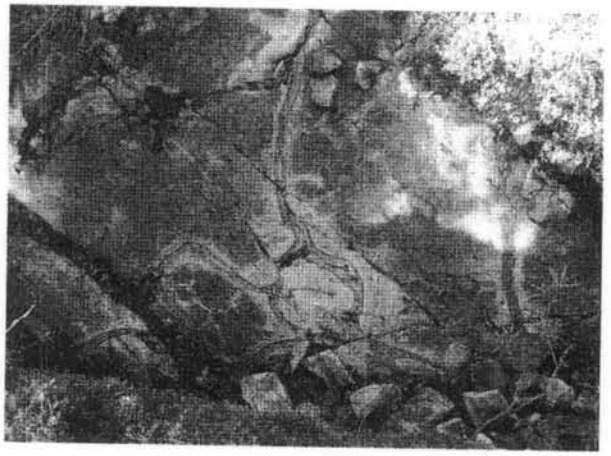
Throughout the area of the Kowkash grid, but principally to the east of line 1E, pinkish porphyry dikes intrude the basalt. In contrast to the granodiorite, with which it may be associated, the quartz phenocrysts are rounded. Sutherland (1959) has described many porphyries intersected by drilling as containing abundant albite or albite and quartz phenocrysts in a silicious fine-grained ground mass. The core was light green or grey-green with a variable chlorite content.

Diabase

Outcrops of a reddish brown weathering 20 m – wide diabase dike were found near the east zone. The rock is well jointed and varies in grain size from 1 mm near the contacts to 3-4 mm in the interior. The fresh surface is black and relatively unaltered with clearly defined feldspar laths and ophitic texture. Parker and Stott (1998) have interpreted a "Y" branch in this dyke, but no good evidence for this could be found in the present study. One hole (#23) was drilled entirely in diabase.

Structural Geology

Moorhouse (1955) noted an abundance of pillow lavas, but their distortion made him reluctant to suggest top directions. Parker and Stott (1998, Figure 12.3) have interpreted an east-northeast trending anticline-syncline pair through the central part of the O'Sullivan Lake area so that both the southernmost part of the sequence, adjacent to the Esnagami pluton, and the northernmost part adjacent to the English River Subprovince, face north. The area between the two fold traces, which includes the Kowkash grid, faces south, and this is consistent with top determinations made during the present survey. Moorhouse also assumed steep dips to the volcanic sequence, but this has not been verified. Indeed a "best fit" in parts of the area indicates relatively shallow dips for some pillows and



relatively little distortion after solidification.

Parallel east-northeast zones of carbonate-flooded schist, typically one to ten metres wide, occur near the southern contact of the volcanic pile with the Esnagami tonalitie pluton. A similar zone of intense shearing and faulting is reported near the northern contact of the pile with metasediments and gneisses of the English River Subprovince. Parker and Stott (1998) attribute these zones, or at least the latest movement along these zones, to the emplacement of the English River rocks, noting that the relative movement is predominantly north side up, opposite to that which would be expected if the emplacement of the Esnagami pluton was the major factor. East-trending shear zones have been recognized on the Osulake and Cryderman peninsulas but not in the Kowkash grid area. A north-trending fault lying near the shore of the O'Sullivan Lake has been interpreted by Moorhouse (1955) and may be a factor in the apparent termination of these east-striking shears.

The examined outcrops of the Kowkash grid do not display broad zones of schisting. Shear zones are generally less than 40 cm across and contain only minor sulphides and quartz. The dominant direction of these narrow shear zones is about 030°, parallel to the edges of many outcrop areas and near to the direction of the latest ice movement, 045°. It is reasonable to assume that any broader zone of 030° shearing may have been gouged by glacial activity. Any associated mineralization must, of necessity, be electrically conductive in order to be traced geophysically,

Other narrow shear zones were mapped. These strike mainly in the northeast quadrant. Moorhouse (1955) delineated two northeast-trending faults based on air-photo lineaments and the apparent sinistral offset of diabase dikes. One 030° shear just south of the Kowkash grid displayed sinistral offset, while an 050° shear near line 00 and the baseline was offset dextrally by a 115° shear. Porphyry dikes are believed to be shear controlled, most trending within 20° of 030°.

Economic Geology

Mineral exploration in the O'Sullivan Lake area has largely focused on the discovery of gold occurrences. Some exploration for copper has taken place, and a viable gold-copper deposit might be discovered, but the emphasis will likely remain on gold. Work in the Kowkash grid area has mainly centered on four areas of mineralization described below as the South Zone, the Discovery Zone, the Copper Zone, and the North Zone.

South Zone

Prospecting by Jonsmith Mines in 1958 uncovered a north-striking quartz vein up to 20 cm wide in or adjacent to a steeply west dipping shear zone. At one point the vein leaves the shear zone and becomes irregular in shape and apparently dies out. A 20 m trench, begun at the point where the vein leaves the shear zone, has been sunk in rusty very fine-grained basalt, trends west-northwest and is up to 2 m wide and 1.5 m deep. The vein, which dips northeast and is essentially unmineralized, lies in the north wall, and the footwall basalts contain chalcopyrite, pyrrhotite and pyrite, mainly along fine fractures. No significant structural control was evident.

Geophysical work showed some association with a weak magnetic anomaly. One map shows a conductive zone along the east side of the outcrop area, but the original map was not available. One hole, drilled parallel and to the north of the trench, intersected a 54 m silicified zone containing pyrrhotite and chalcopyrite and a 57 cm brecciated zone with similar mineralization. The position of the drill-hole collar could not be determined with accuracy.

Discovery Zone

Electromagnetic conductors, which were located by Jonsmith Mines in a 1959 geophysical survey, lie in an area of heavy overburden under and to the southeast of Keyhole Pond. Eight holes were drilled the same year to probe the conductors, and two of these intersected narrow quartz veins containing visible gold at or near the contact between mafic flows and porphyry. One hole drilled across the same north-trending conductor, 180 m north of the "discovery" holes, failed to intersect significant gold, but one hole drilled in 1983 to the south of the "discovery" holes, did encounter visible gold in mafic volcanics.

Two outcrops of 1 mm basalt lie to the west of the "discovery", and a small outcrop of fine-grained basalt, but contain only minor sulphides. A trench (#8) has exposed a carbonatized northwest-dipping shear zone, which likewise contains only minor sulphides. In the immediate vicinity of the "discovery", at 180E,99S, is a water-filled trench (#9) surrounded by muskeg: the muck pile consists of rusty fine-grained basalt containing pyrrhotite, chalcopyrite and pyrite on fine fractures.

A 1983 hole drilled under this trench had several sections with anomalous gold values.

Kowkash Gold Corp. acquired the property and in 1986 drilled seven more holes to check for the continuity of the gold mineralization and to explore the northeastern contact of the diabase dike, which passes to the southwest of the Discovery Zone. A high-sensitivity magnetometer survey was undertaken in an attempt to discern structural complexities in the area, but apparently no further work was done.

Copper Zone

Prospecting by Jonsmith Mines in 1958 also discovered highly rusty basalt on higher ground to the east of the Discovery Zone and some 50 m north of an exposure of diabase. Three pits and a trench were sunk. The pits exposed well-jointed basalt, which held pyrrhotite and chalcopyrite along thin fractures. Some quartz is present and a porphyry dike lies close to one pit, but no significant structural control was seen along which mineralization might be concentrated. The trench is in lower ground and is presently water filled. The area was tested by five drill holes in 1959, one of which intersected a shear zone in basalt which contained much quartz and a little pyrite, and which assayed 0.31 ounces of gold per ton over a one-metre width. The other four holes contained shear or breccia zones with sulphides, but only low contents of gold. In 1983 five vertical holes were drilled, two of which intersected encouraging values of gold, but no further work appears to have been done in this zone.

North Zone

An outcrop of basalt west of line 2E and from 200-225 m north of the base line consists of massive fine-grained basalt. Along the south edge of the outcrop a 12 m trench (#10) has been sunk and the rusty well-jointed rock contains pyrrhotite, chalcopyrite and pyrite along fine irregular fractures. One of the 1959 holes was drilled across the presumed extension of this mineralized zone, 100 metres to the north-northeast, but results were apparently not encouraging. Porphyry dikes do occur in the volcanics to the east and southeast, and may be present but concealed at the trench. There is no evidence of a conductive zone in the vicinity of this trench.

Conclusions

Many of the trenches and pits that have been sunk in the grid area, are similar in that the suulphide minerals occur along fine fractures in fine-grained massive or pillowed basalts. Quartz or porphyry may be present, but without any clear relationship to the mineralization. There is no obvious structural control, and the gold content of assayed samples is low.

On the other hand, drilling has demonstrated that gold is present in zones of structural weakness, especially where there is contrast in structural competency. There has been a suggestion that a diabase dike has served as a dam to mineralizing fluids.

Initial emphasis should be on identifying conductive zones that may serve as structural controls. The existing interpretation of structural dislocations, as shown on the high-sensitivity magnetometer map, should be reassessed in the light of any newly discovered conductors and in conjunction with an air-photo study of lineaments.

Recommendations

1. An electromagnetic survey should be carried out in the Discovery Zone to define conductors. In preparation for this, grid lines at 115° should be cut or flagged every 25 metres in an area between lines 00 and 4E, and 2N and 3S.

2. The outcrop adjacent to Trench 10 (200N, 185E) should be cleaned off in an attempt to discern any structural control for the mineralization in the trench.

3. 'Local' electromagnetic lines could be tested adjacent to outcrops in which there is evidence of shearing or mineralization. This would include the South Zone, theNorth Zone and the Copper Zone, as well as the eastern edge of outcrops at Line 3W, 3S and line 4W, 1S.

4. Drilling should be done on conductors, especially any extending north from the Discovery Zone.

Declaration

I, John, C. Davies, of 411 Garrison Crescent, Saskatoon, SK, do hereby certify that:

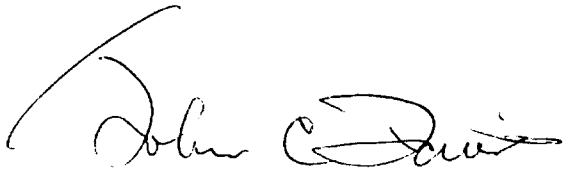
1. I am a graduate of the University of Manitoba with the earned degrees of B.Sc. (Honours) 1955, M.Sc. 1956, and Ph.D. 1966.

2. I was previously a member of the Geological Association of Canada, the Society of Economic Geologists, and the Association of Professional Engineers of Saskatchewan.

3. I have practiced as a professional geologist for over 30 years.

4. This report is based on three weeks of field work at O'Sullivan Lake and a review of the public records relating to exploration work in the area of concern,

5. I do not presently own, nor do I expect to receive any interest whatsoever, direct or indirect, in the property herein described nor in the securities of Superior Canadian Resources Inc.



John C. Davies.

Dated at Kenora, ON, this seventh day of July, A.D. 2004.

FIELD NOTES REORGANIZED J.C. DAVIES

Line 00 South

From 775 to 725 S; line lies along the western edge of a long narrow outcrop of very fine grained, light grey weathering massive basalt. No clear evidence of pillows. Traces of pyrite. A 10 cm-wide shear zone trending 035, 75° NW, is continuous over 10 m near the south of the outcrop and contains minor quartz and pyrite.

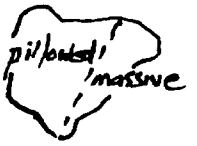
From 725 to 700 S; 6 – 30 E. Outcropping immediately north and east is same basalt, but in the eastern part of the outcrop there is a shear at 035 75° NW within which is a quartz-porphyry dike up to 1.5 m wide, but narrowing to the north. Porphyry contains minor pyrite. **SAMPLE 9352** is chips from the western 60 cm and **9353** is chips from the eastern 60 cm. The dike is traceable over the length of the outcrop, about 20 m.

From 710 – 690 S; 20 – 35 W. Oval outcrop area massive fine-grained basalt.

600 S. Broken pieces of creamy weathering quartz porphyry with 1 mm quartz eyes.

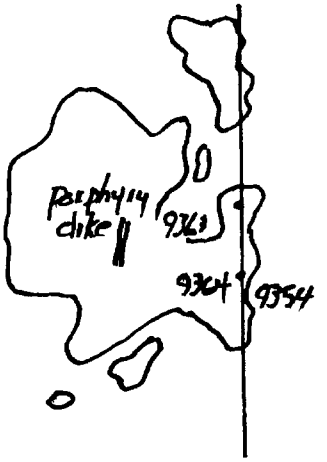
From 580 – 550 S; 15 W to 10 E. A long west edge is creamy quartz porphyry. To east is fine-grained basalt. At extreme west are tiny exposures of basalt, suggesting the western contact is about 160° and the eastern contact about 010° (dike widens from 5 m at the south to 15 m at the north). No significant mineralization was seen.

From 550 – 525 S; 20 – 65 E. Moss and lichen-covered basalt. Pillows at the southwest end and massive ? to east with contact possibly at 050°. Some small slip from 030° to 055° with minor quartz and pyrite.



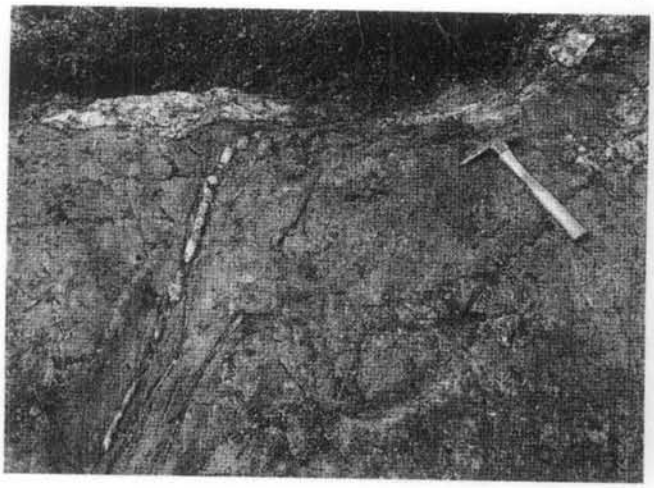
On line 00 at 458 S; cross old picket line marked 14E, 29+25 about 12 m to east (at 120°) and 14 E, 29+50 about 13 m to the west (at 300°).

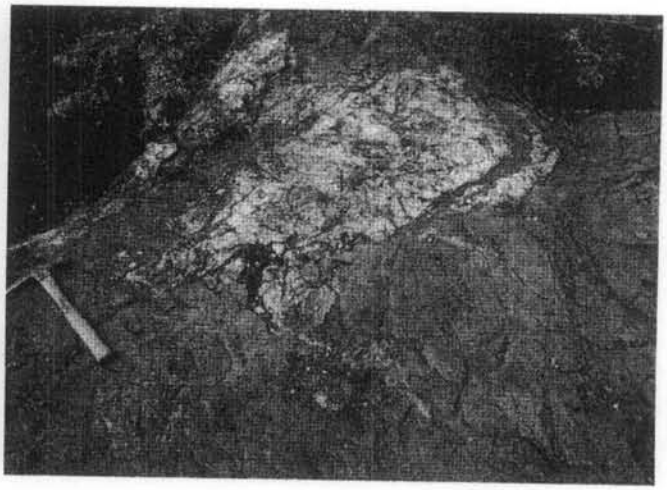
Follow line east to large outcrop area from 60 – 105 m east. A large trench has been cut, 20 m long, up to 2 m wide and 1.5 m deep. This trench lies about 7 m north of the old picket line and trends 110°, with its east end close to 470 S on line 1 E. The rock is almost entirely massive basalt with hints of pillows in places, obscured by lichen. There are a few narrow shear zones, one of which extends through the east end of the trench, **SAMPLE 9368.** A quartz vein up to 20 cm wide can be traced over 15m (chips **SAMPLE 9354**). It is essentially linear, but on the west side of the shear is exposed in the north face of the trench as irregular



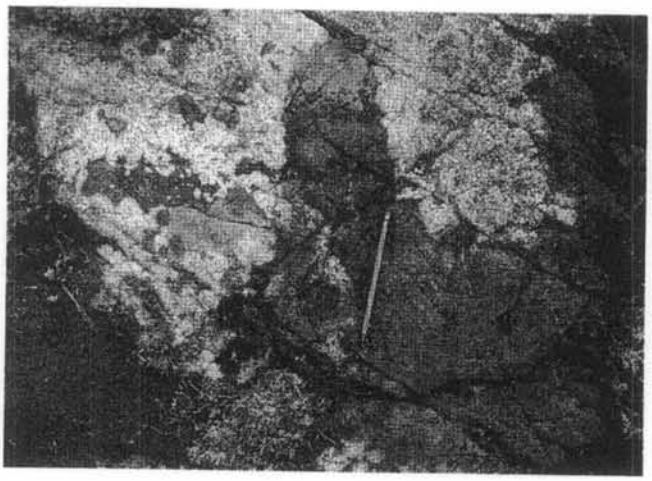
'folds'. The vein is essentially barren but the massive basalt adjacent to it has pyrite, pyrrhotite and chalcopyrite along minute fractures and, to a lesser degree disseminated in the basalt (**SAMPLE 9355**). Some 5 m west of the trench are two very small pits which explored a small quartz porphyry dike which apparently lies in a shear about 020° steep.

070 – 025 S; 25 – 20 W. Walking 20 m west on the old drill road from 00 and 26 m S, an outcrop of massive 1 mm basalt is exposed almost 50 m from NE to SW. Significant stressing about 050° with steep dips is evident in places, and some cross shears occur about 115°. A number of quartz veins, up to 20 cm wide, cut the rock irregularly but generally trend 160° to 170° and are black at exposed surfaces due to black crustose lichens which evidently prefer quartz as a host. At the north tip is a stripped exposure of a 040° shear, which has been offset by a 115° shear, but near the shear intersections are large (up to 90 cm x 50 cm) irregular quartz "clots" (Pictures 1 and 2). Very little pyrite is seen anywhere in the rocks.





From 015 – 040 N; 10 – 20 W. Moss/lichen covered outcrop of 1 mm basalt (Picture 3). Near north end a strong shear over 30 cm wide at 080°, 85° north, cuts the basalt.



3. Moss has been removed from area of pencil revealing brownish-grey basalt. The white crustose lichen is not widespread, but confusing.

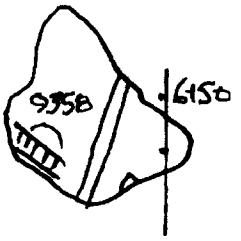
To end of 00 N at grassy edge of shallow "key hole" lake, all muskeg.

FIELD NOTES REORGANIZED J.C. DAVIES.

Line 1 East

To north of baseline, airphotos suggest all spruce muskeg and cedar swamp.

From south end of 1 E



From 655 – 640 S; 070 – 101 E. Massive basalt cut by 1.5 m quartz porphyry at 055, 80 NW. There is a small pit on the line, and 23 m to the west is a curved trench cut into the west slope of the low hill, but to the west of the porphyry. All rock in the trench is very fine grained basalt with minute fractures, along which is minor pyrite (and pyrrhotite?) and carbonate and silica. **SAMPLE 9358**. No structural control is evident.

From 610 S (85 E) to 530 S (75 E). Numerous small outcrops in windfall area. Basalt is partly pillowed (tops east). Near south end are two trenches in massive basalt with fine fractures. The smaller trench trends 135° and is 4 m x 1.5 m x 1.5 m. The larger trends 130° and is 10 m x 2 m x 1.5 m. Little sulphides, some rust, but no controlling structure. Pits at 595 S, 85 E.

At 528 S, 85 E. Small outcrop quartz porphyry with basalt on north side.

522 S, 82 E. Edge showing irregular quartz porphyry cutting basalt about 130°

From 522 S, 80 E to 390 S, 90 E. Large outcrop area with big trench described from 00 notes.

From 350 S to 300 N, spruce muskeg.

Line 2 East

From 700 S to baseline, all spruce muskeg, except: at 120 S, 222 E, a trench has been cut across a low outcrop of basalt exposing a carbonatized shear zone at 045°, 50° NW. Chip **SAMPLE 9364**, and at 99 S and 180 E, a 10 m trench trending 020° and 1.5 m wide has been sunk and is largely water filled. Grab from muck pile **SAMPLE 9365**.

South end to baseline, no outcrop seen.

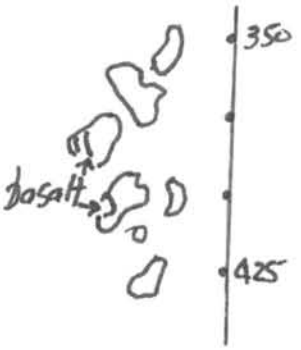
75 N, 220 – 230 E. Moss-covered outcrop massive to pillowed basalt. Outcrop extends discontinuously to north. One small exposure shows basalt cut by white – weathering glassy dike. Some fine pyrite. **SAMPLE 9366**, 150 N, 203 E.

From 150 N, 205 – 210 E. Moss covered outcrop, basalt, with evidence of pillows.

From 190 N, 210 E. Moss covered outcrop, basalt, with evidence of pillows.

From 200 N, 180-185 E to 225 N, 185 E. Open area of massive basalt with 12 m – long trench at south edge. The trench is 1.5 m wide and 1 m deep ? and trends 145°. Rock is rusty with silicification on some fine fractures. Pyrite, chalcopyrite and pyrrhotite are present in some fractures and minor pyrite is disseminated in the rock. **SAMPLE 9367** grab from muck pile. Pictures showing trench with muskeg on southwest side.

From 575 – 650 N; 145 – 170 E (approx.). Heavy windfall with scattered outcrops of medium-grained (1-2 mm) basalt. A shear zone at 090°, 80° south was noted.



Line 3 East

440 S, 305 E. Small outcrop white-weathering granodiorite, quartz vein.

From 440 S, 285 E to 345 S, 285 E. Series of outcrops, mostly massive medium-grained granodiorite with few inclusions of altered basalt near north end. At extreme west edge is basalt, but may be a large inclusion. The quartz is grey and is interstitial to white feldspar. Minor pyrite in granodiorite.

From 230 S to 200 S, western edge of outcrop of basalt cut by porphyry dikes.

At 190 S, 305 – 310 E. Outcrop of diabase.

From 170 – 150 S, 298 – 320 E. Series of outcrops of fine-grained basalt, cut in one place by a quartz-feldspar porphyry dike. One 20 cm shear zone with dextral slip trends 075°.

From 125 S to baseline and mostly east of line 3 E, up to 325 E, all basalt with evidence of pillows. Some small slips about 030°. 110 – 105 S, 295 E, basalt at edge of slope.

From 0 – 25 N, scattered outcrops of basalt on both sides of line.

60 – 95 N, outcrops of basalt, but at 70 N there is a small quartz-porphyry dike.

118 – 165 N fine-grained basalt, in part probably pillowed. At 120 N the west edge of the outcrop is pink weathering quartz porphyry which has an apparent strike of about 115°.

175 – 220 N. Mainly very fine grained basalt, but some quartz porphyry. One dike about 3 m wide is irregular the western contact being about 015° and the eastern contact about 030°. Few very thin quartz veins strike north. At the north end sheared volcanics adjacent quartz porphyry contain traces of sulphides. **SAMPLE 9357**.

At 325 E there is a 25 x 30 m open area with both fine-grained and medium-grained basalt. To the south of this is more fine-grained basalt.

From 325 – 425, muskeg.

From 440 N (260 – 300 E) to 500 N (270 – 290 E). All dense altered mafic rock with relic medium-grained texture evident on weathered surface. There is a distinct fabric in places, with strong foliation locally at about 040° to 060°. Very little sulphides in rock. Some carbonate and silica. Possibly a bit less altered at the north end (much windfall here).

Line 4 E

500 – 460 S, 330 – 395 E. Large open outcrop of white-weathering granodiorite with 1 – 2 mm grey quartz having angular (interstitial) outlines between altered feldspars. The granodiorite has been stressed in many places with foliation about 070° and steep dips. Minor vein quartz. Semblance of dextral shift. Near the north end minor molybdenite is associated with thin quartz veins. **SAMPLE 9359**. An outcrop 25 m north of the north end is similar granodiorite.

At 240 S, 430 E outcrop of diabase. Further east (485 E, 260 S) most of rock is fine-grained rusty basalt cut by granitic dikes, but at south is a bit of diabase.

At 220 S, 420 E mainly cove red (moss and blowdown) basalt, but granitic dike at west end.

At 210 S, east tip of outcrop which essentially extends to line 3 E. At 390 E is contact between basalt and diabase. The diabase is 20 m wide and the west contact trends

northwest, terminating both the basalt and an irregular granitic intrusion. Some basalt contains much fine pyrite (**SAMPLE 9360**) but no controlling structure was seen. Further west the basalt is cut by quartz porphyry dikes: one 2 m dike trends 030° at 200 S, 310 E, another at 320 E trends about 040° and is 1 m wide at the north and pinches out to the south. There are a few 2 cm quartz veins trending 010°, but little sulphides.

At 168 S, 386 E. Tiny outcrop of granodiorite, of basalt at 169 S and 395 E.

From 155 – 125 S and about 375 E is scattered low outcrop of basalt with a trench at the south end (171 S, 380 E) and three pits 15 m, 22 m and 30 m to the north. The rock is mainly basalt, with fine fractures, disseminated sulphides, and in one pit an irregular porphyry dike in a minor shear zone. **SAMPLE 9361**.

Line 4 E north goes through windfall from 50 N to 250 N. To the east of the line are some basalt outcrops, with some pillows, mainly from 200 to 250 N. The muskeg begins about 275 N, but no outcrop was located to the north.

Line 5 E

From 500 to 480 S, 460 – 495 E, low moss-covered outcrop of granodiorite with close-spaced fractures about 075°. An inclusion ? of very fine grained porcelainous silicified volcanics?

At 400 S and 375 S, to the west, small outcrops of granodiorite under tree roots.

At 185 S, 503 E, a two-metre granitic dike cuts fine grained basalt at 030°.

From 185 S, 475 E to 135 S, 480 E. Series of small outcrops of fine-grained massive basalt with numerous white-weathering irregular hair-line fractures.

Line 1 West

From 300 S to 350 N, no outcrop seen from line 1 W.

Line 2 West

From 325 S to 200 N, spruce muskeg – no outcrop seen.

At 225 N, 215 W, centre of 30 m – long outcrop of medium grained gabbro. No foliation evident.

At 260 N, 205 W, small moss-covered outcrop of medium grained gabbro.

From 275 N and 235 W, scattered outcrops of gabbro in area of blowdown. The actual location of these small outcrops is difficult to define.

Line 3 West

The south end of the cut line is 300 S, but a large outcrop area lies to the west from about 375 S to 220 S (325 W). The predominant rock type is basalt 1 – 2 mm original grains now metamorphosed so that the original texture is best revealed on a weathered surface. White feldspar phenocrysts up to 5 mm across may constitute 1% of the rock. For the most part, lichens hide textures and structures, but there are a number of small shears between 020° and 035°. One, near the south end of the main outcrop, is about 30 cm wide and contains minor quartz and carbonate and traces of sulphides (**SAMPLE 9356**). One shear of 110°, 85° north, died out rapidly. There are a few irregular quartz stringers, but no obvious structural control. Near the north end the rock is finer grained and there is evidence of pillows. The outcrop is semi-continuous with a shoreline outcrop which is also 1 mm basalt but which contains pillows. One interesting feature is an absolute straight line of spruce in a probable fracture zone at 030°. The line shows clearly on air photos and might be prospected.

North to the baseline, and on to about 200 N no outcrop seen. From 200 N to 250 N, and about 275 W, a long outcrop consists of fine-grained to 1 mm basalt. One 5 to 15 cm wide quartz vein trends about north, but no sulphides were seen in or adjacent to it.

At about 320 N, 280 W is 1 mm basalt.

At 375 N and 310 W there is a 30 m x 40 m open outcrop of 2 – 3 mm gabbro.

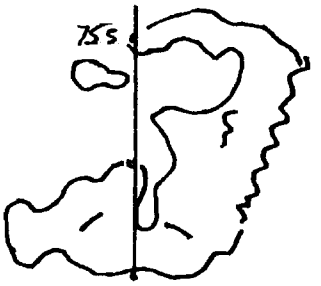
At 410 N, from 245 W to 290 W, and from 330 – 350 W, large outcrops of medium – to coarse-grained gabbro.

From 410 – 425 N and 290 – 300 W, all coarse-grained gabbro.

Line 4 West

South end is spruce muskeg, heavy windfall to south and southwest.

From 190 S (on line) to 175 S, 405 W, medium grained basalt (gabbro?). The south edge is strongly sheared at 090°, vertical, and carbonatized. Some quartz and minor sulphides, mainly pyrite. **SAMPLE 9363**.



From 175 S, 435 W to 145 S, 415 W fine-grained to 1 mm basalt.

At 150 S, 400 – 405 W. Small outcrop 1 mm basalt.

From 123 S to 70 S, 425 W to 360 W. In essence, most of the rock is 1-2 mm gabbro or coarse basalt. Fine-grained massive and pillowed basalt underlie the north 20 m of outcrop, and the contact with the coarser basalt is about east-west. The eastern edge shows some fissility at 045° with steep dips, possible indicating activity to the southeast. A 20 cm quartz vein at 090° appears to be devoid of

sulphides. **SAMPLE 9362** represents a number of chips across a 30 cm shear with some silicification and minor pyrite.

Spruce muskeg from 70 S to 125 N. Gradual up-slope to 300 N, and windfall from 250 to 450.

From 390 – 425. Moss covered outcrops of medium grained gabbro to east and west.

From 450 – 475. Moss covered outcrops of medium grained gabbro to east and west.

Outcrop appears almost continuous between lines 4 W and 5 W, and while some is medium-grained, most is coarse grained.

Line 5 West

South end in alder swamp and spruce muskeg.

From 130 S to 75 S and 465 W to 525 W, large area of outcrop appears to be all basalt, mostly fine grained but some 1 mm. Pillow selvages common. Some small shears predominantly at 20° and 075° with steep dips. Bits of irregular quartz in shears and selvages. Tiny specks of pyrite disseminated and in fine cracks. **SAMPLE 9351** from 15 cm shear.

From 55 S to 30 S. Moss covered light grey fine-grained basalt.

Spruce muskeg to 200 N.

At 235 N, 495 W. Small outcrop 1 mm basalt.

At 238 N, 500 W. 1 mm pillowed basalt.

From 250 N – 240 N, 510 W – 520 W. Moss-covered outcrop of 1-2 mm basalt/gabbro.

At 274 N, 495 W. Small outcrop of 1-2 mm basalt/gabbro.

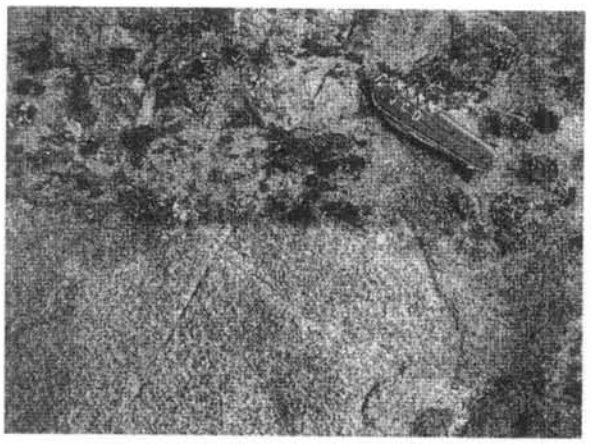
From 325 N – 340 N, 485 – 490 W. Medium-grained gabbro.

From 360 N (430 – 475 W) to 320 (470 – 480 W), large open area of medium grained gabbro. Grain size is 2-3 mm at north and rock gets finer to the south (1-2 mm).

From 375 N – 390 N (530 W – 540 W) moss-covered medium-grained to course-grained gabbro. Spruce muskeg to west.

Blowdown concentrated from 350 to 400 north.

From 410 to 430 N, 490 W – 510 W. All coarse-grained gabbro.



Line 6 W

At shore, 5 m east of the line, is pillowed basalt. Tops probably southeast.

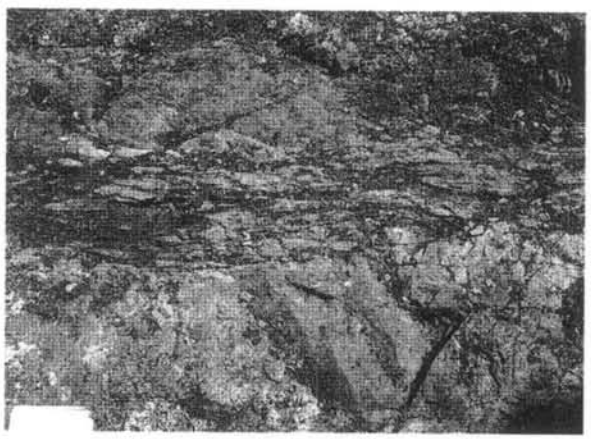
North through alder and spruce muskeg.

From 130 to 75 N and 570 – 625 W. Large outcrop area is probably all fine-grained pillowed basalt but at south end grain size is about 1 mm. The basalt appears to consist of low-grade metamorphic minerals. Some small shears, mainly at 020 and 075 with steep dips. Bits of irregular-shaped quartz in shears and pillow selvages. Tiny specks of pyrite in places. **SAMPLE 9351** taken across a 15 cm shear in the northeast part of the outcrop.

From 55 to 30 S. All green grey fine-grained basalt.

To North, all spruce muskeg.

OLD LINE: 10 E – 125-150 at 120° from 8+71 on line 00. Outcrop area of fine-grained pillowed basalt. Large pillows with tops apparently southwest. An 025 shear zone 30 cm wide, dipping 70° east offsets sinistrally two 080 shears. The offset is about 60 cm. A smaller moss-covered outcrop lies 100 metres to the south.



NOTES ON ZONE MAPS

SOUTH ZONE: The collar of Hole #11 could not be found in the field. Assuming a five-degree difference between the Jonsmith and Aurum grid lines, the collar of the hole should be 1400 feet (427m) south of Hole #4. This would place the collar approximately in line with the big trench. By contrast, the magnetic intensity map indicates the hole collar to be about 50m north of the trench and at a point at the north end of an 035 degree electromagnetic conductor. The position shown on the Zone map is a compromise, and may be misplaced by as much as 25 metres.

COPPER ZONE: Positions on the Jonsmith grid were available for holes 8, 9, 10, 13, 14, 17, and 20. The position of holes 16, 18, and 19 were derived from the magnetic intensity map. The only hole collars which could be located were numbers 17 and 20. Hole 20 lies close to the Aurum line 4E south, and this permitted the two grids to be combined as shown.

DISCOVERY ZONE: The area covered by this map is larger, and more drill hole collars were available to enable a combination of the grids. The fit is good, but only if the angular difference between the two grids is between 7 and 8 degrees. The location of the electromagnetic conductors is derived from the magnetic intensity map. Of special note is the presence of up to 10% magnetite in the mafic volcanics near the top of Holes #1, thus providing an explanation for the magnetic high in the vicinity of the base line and line 1w.

(Additional) Line Cutting/Chaining

Soon after the 2004 'A' grid was finished in the Kowkash project area (for geological mapping), additional line cutting was commenced using local workers (mostly native) and paid on a day-rate basis See Personnel Tables in Report Appendix..

This work consisted of installing a base and wing lines in the Gagnon project area to facilitate more accurate prospecting plus the brushing out of some of the old grid lines in the 1998 Kowkash cut grid (labelled "B") Map AS-09 Gagnon. Figure AS-05 Kowkash B. This work along with extending some of the lines in 'A' grid was deemed necessary in order to provide more completeness to the VLF and Magnetometer surveying as contemplated. The geophysical prospecting work is reported on separately in this report.

Please refer to the 'Personnel work record table, Appendix 13-1 and 13-5 found later in this report for Contractor contact information and dates/times worked on each project.

Notes re the Kowkash 'A' and 'B' grid locations and Base Line error explanation:

Base line azimuth bearings are different for both the 'A' and 'B' grids.

It was originally intended that the new 2004 'A' grid would share the same base line azimuth as the older 'B' grid cut in 1998.

The base Line (0+00) for 'A' grid was started at location 10+00 south with an azimuth bearing of approx. 36 degrees,(magnetic declination = 6 degrees west).A CDGPS unit (Appendix 13-3 for details concerning the CDGPS unit), was used later to more accurately locate the grid line waypoints plus others. It was during this operation that it was noted that the cut base line azimuth was actually26 degrees. This error was inadvertent and probably resulted from local magnetic attraction. A decision was made to leave the grid 'as cut' and work around the difference using mathematical corrections. It would simply be too much work to re-cut the lines already cut and we could work with the error without any major problems.

New Showings

This part of the Aurum Project 2004 was carried out mainly by Shaun Parent and assistant Paul Beckett under the direct supervision of D. Christianson. For actual dates worked, the reader should refer to the 'Personnel Work Table ', found in Appendix 13-5.

The Parker / Stott, OGS Precambrian Geology Map # P 3377 (West Half) along with the Sixty Fourth Annual ODM Report (W.W. Moorehouse) provided some good hints re the location of possible favourable targets. Map AS-07.

O'Sullivan Lake's many miles of shoreline include a high percentage of out crop exposure which also made prospecting easier. Once a potential area was located/identified, standard prospecting methods were used to locate 'showings'.

A unique prospecting method was used in some areas when the conditions were appropriate. This highly productive/revealing process consisted of prospecting using a VLF instrument (EM 16) and Magnetometer (MF Proton), to more closely locate structures/conductors.

Following physical location of points of interest, the instruments were used to lay out 'crossover' lines that were subsequently prospected for approx 10 m. on either side of a flagged line. Rock samples were collected for assaying from bedrock o'croppings and where no rock was available, samples of B horizon soil were collected, also for assaying. Sample descriptions and tables including relative assay information are included later in this report.

Using the combination of mag and vlf proved very effective in defining geological structures such as shears that were mineralized.

This kind of methodology was corroborated in a Thesis paper written on the rocks of the O'Sullivan Lake area. It suggested that (not an exact quote) "....mineralization is associated with NE/SW shear zones which have flexures due to breaks". Thus locating/tracing 'shear' zones' would/could be conducive to finding mineralization in greater quantities. (Reference. Thesis papers x 3).

The following pages contain:

1. List of New showings with GPS / Claim # locations. Table T-1

2. Property scale map showing New showing (NS) locations. Map AS-08.

3. NS sketches showing sample locations and geology and mag and vlf (as applied). Figures for each shown on following pages.

4. Sample descriptions for NS samples. Appendix 13-8, Sample Information Tables (9200-9300 series).

Notes:

1: NS showing numbers 4 thru 10 are located within the Gagnon sub project area; however the samples collected from these sites are reported on in this discussion area.

2: Assay results for all samples are found in the Appendix section 13-7, Assay Certificates and 13-8 Sample Tables.

New Showings UTM Co-ordinates Table: T-1

NS-1: 0501517 E/ 5587883 N

NS-2: 0501572 E/ 5587972 N

NS-3: 0498863 E/ 5585077 N

NS-4: 0500305 E/ 5586035 N

NS-5: 0500102 E/ 5585928 N

NS-6: 0502178 E / 5587311 N

NS-7: 0502182 E/ 5587305 N

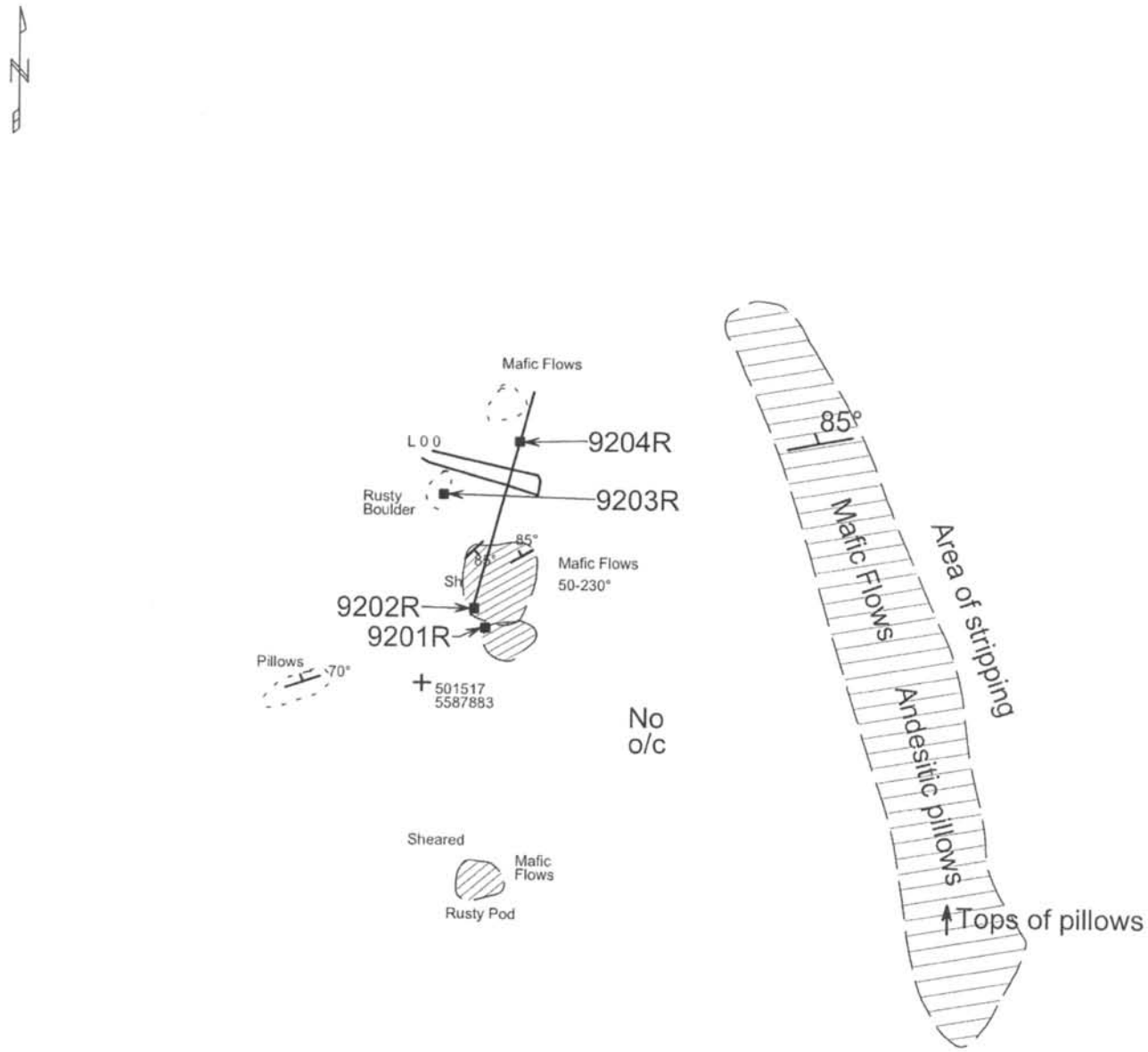
NS-8: 0502169 E/ 5587248 N

NS-9: 0501293 E/ 5587049 N

NS-10: 0502160 E/ 5585766 N

Cryd-2 Strip: 0494583 E/ 5585766 N

NOTE: See Map # AS-11 for locations in Plan form.



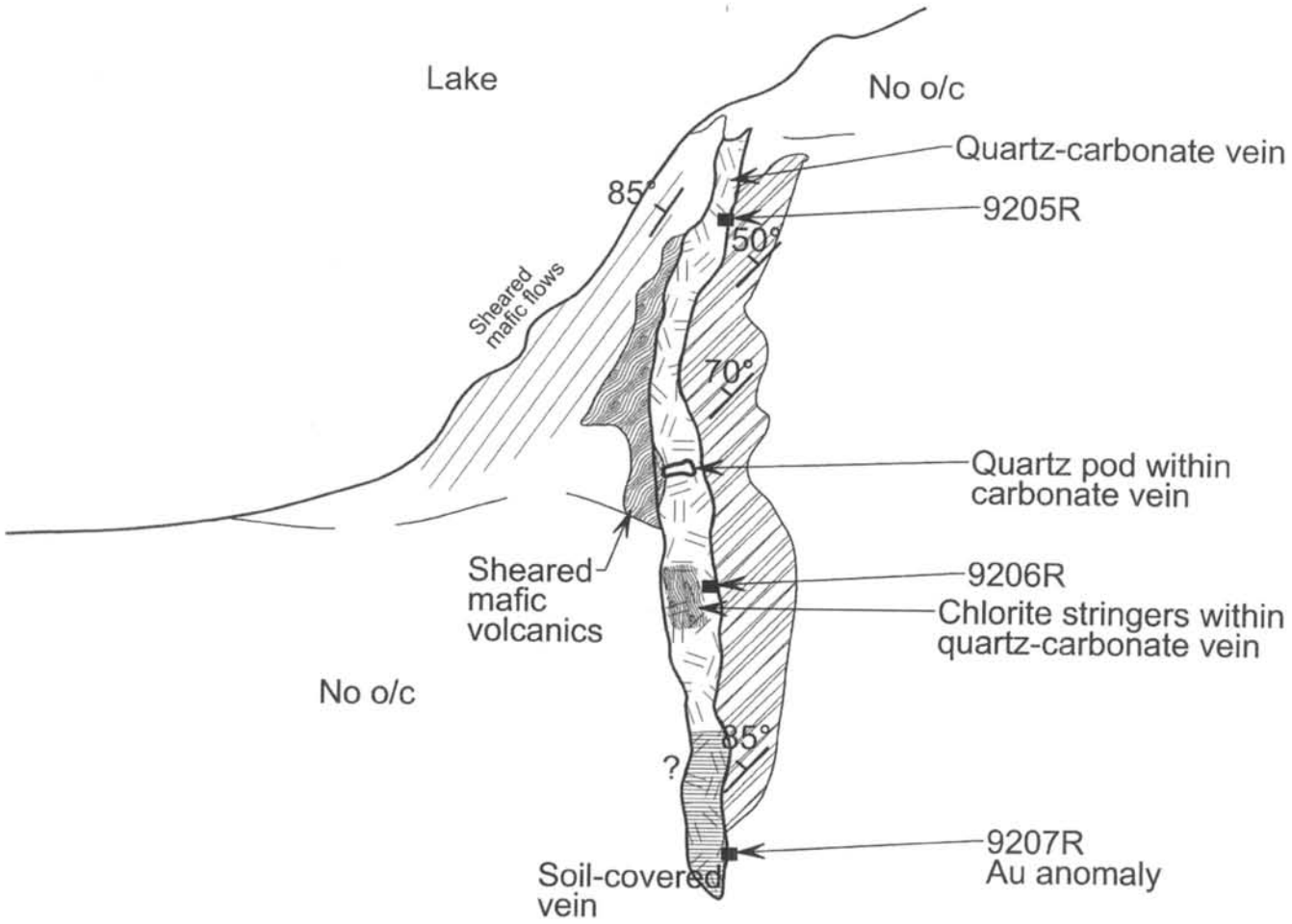
Legend

( )	Outcrop, approximate
▪	Sample location: R Rock, S Soil
Sh	Shearing
S	Sulphides
⊀	Strike and dip
No o/c	No outcrop
+	UTM coordinate

Scale
0 1 2m

Field survey by S. Parent
Data plotted by D. Beauchamp

Superior Canadian Resources Inc.	
NS-1 Showing Geology	
Aurum Project, O'Sullivan Lake, Ontario	
Figure: 1-4	By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28	Revised: 2004.09.25



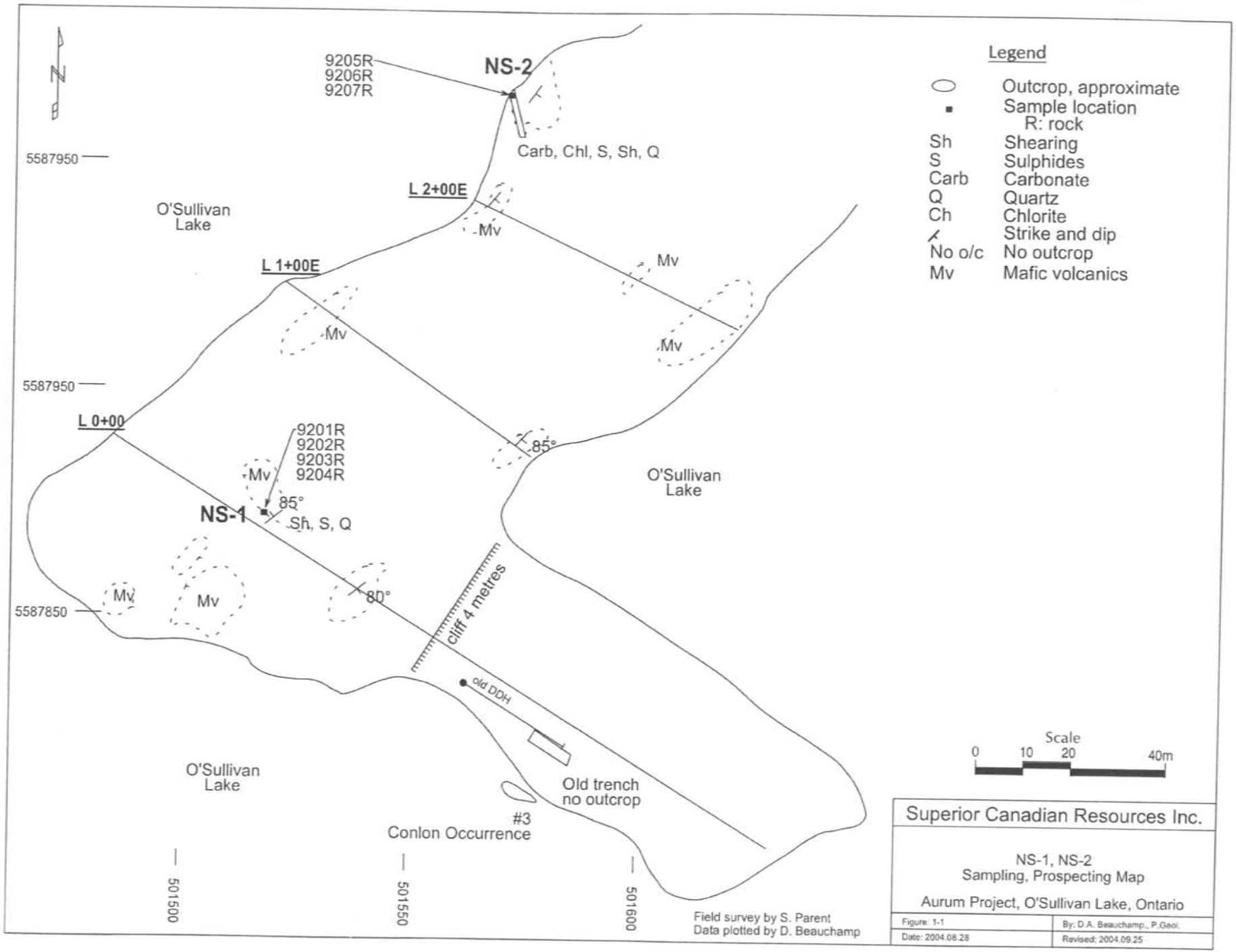
Scale
0 1 2m

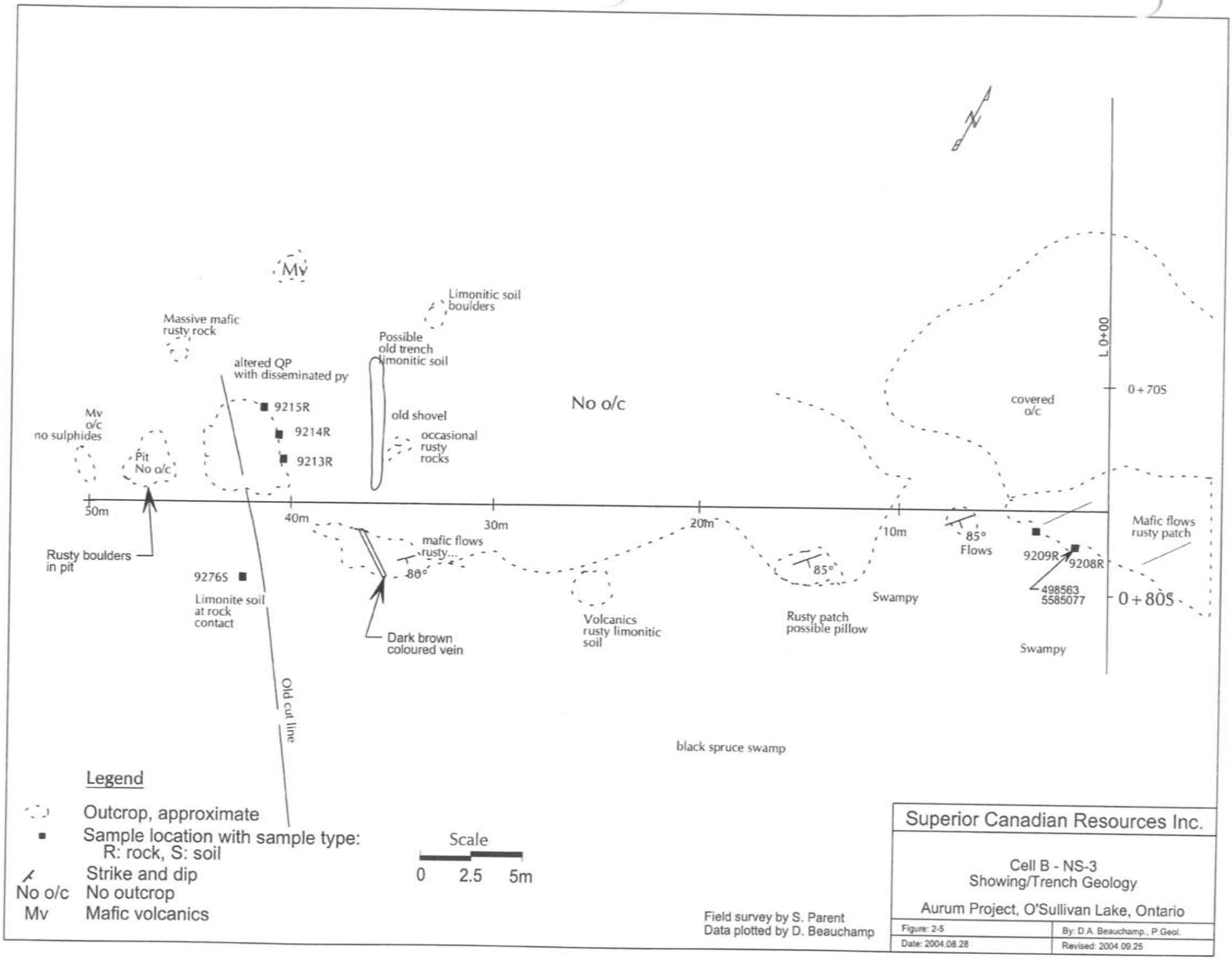
Legend

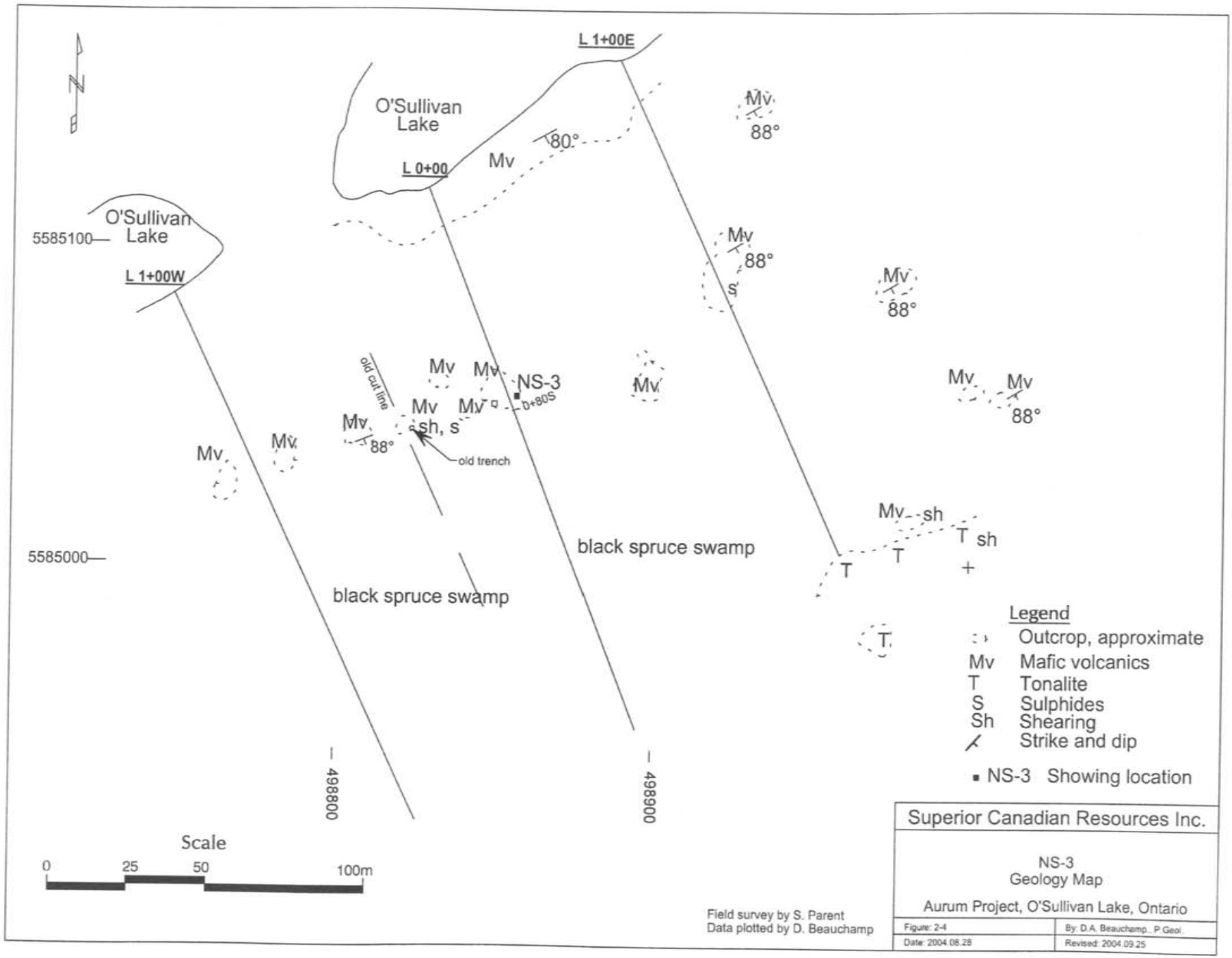
	○	Outcrop, approximate
9205R	■	Sample location; R rock
	⊬	Strike and dip
No o/c		No outcrop

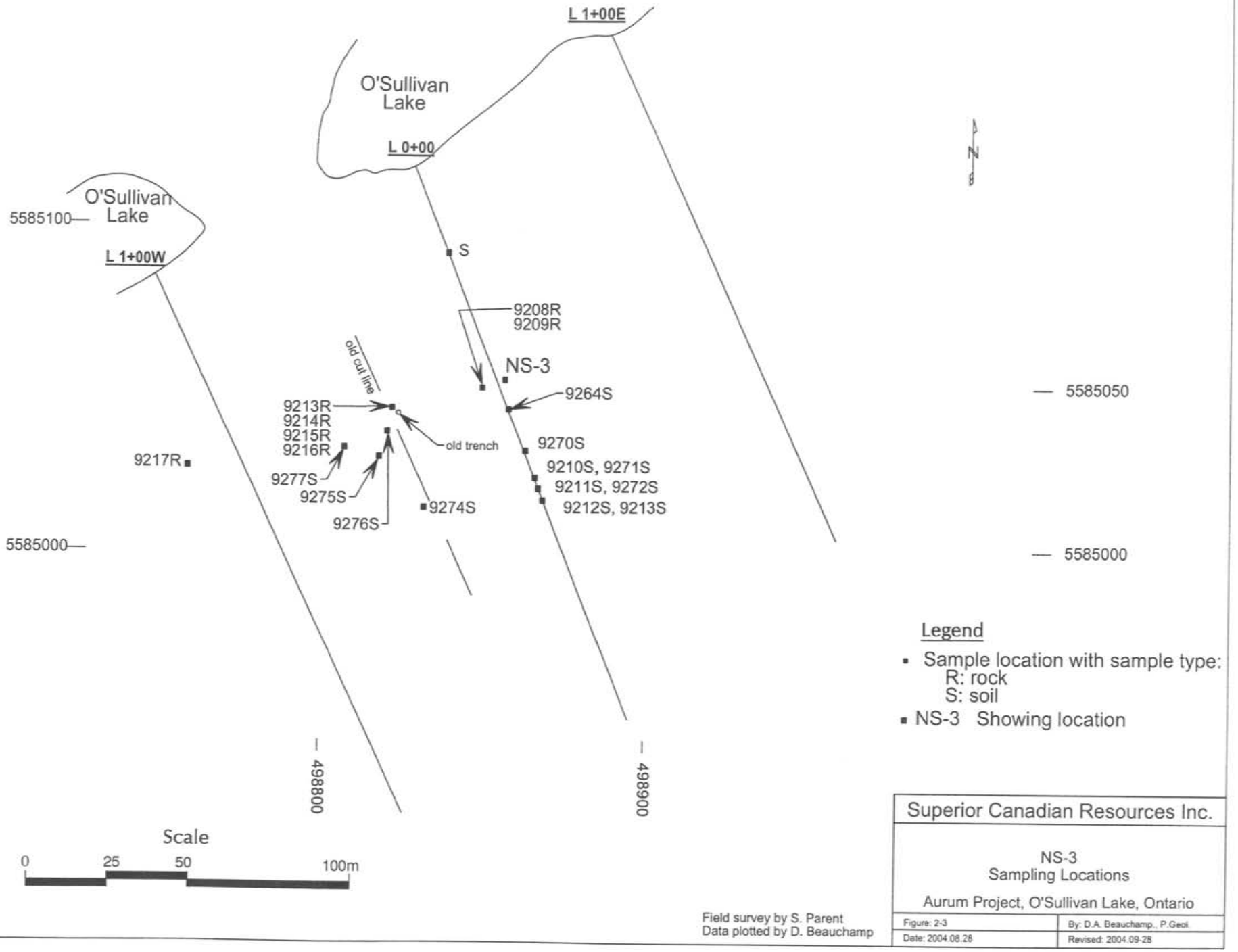
Field survey by S. Parent
Data plotted by D. Beauchamp

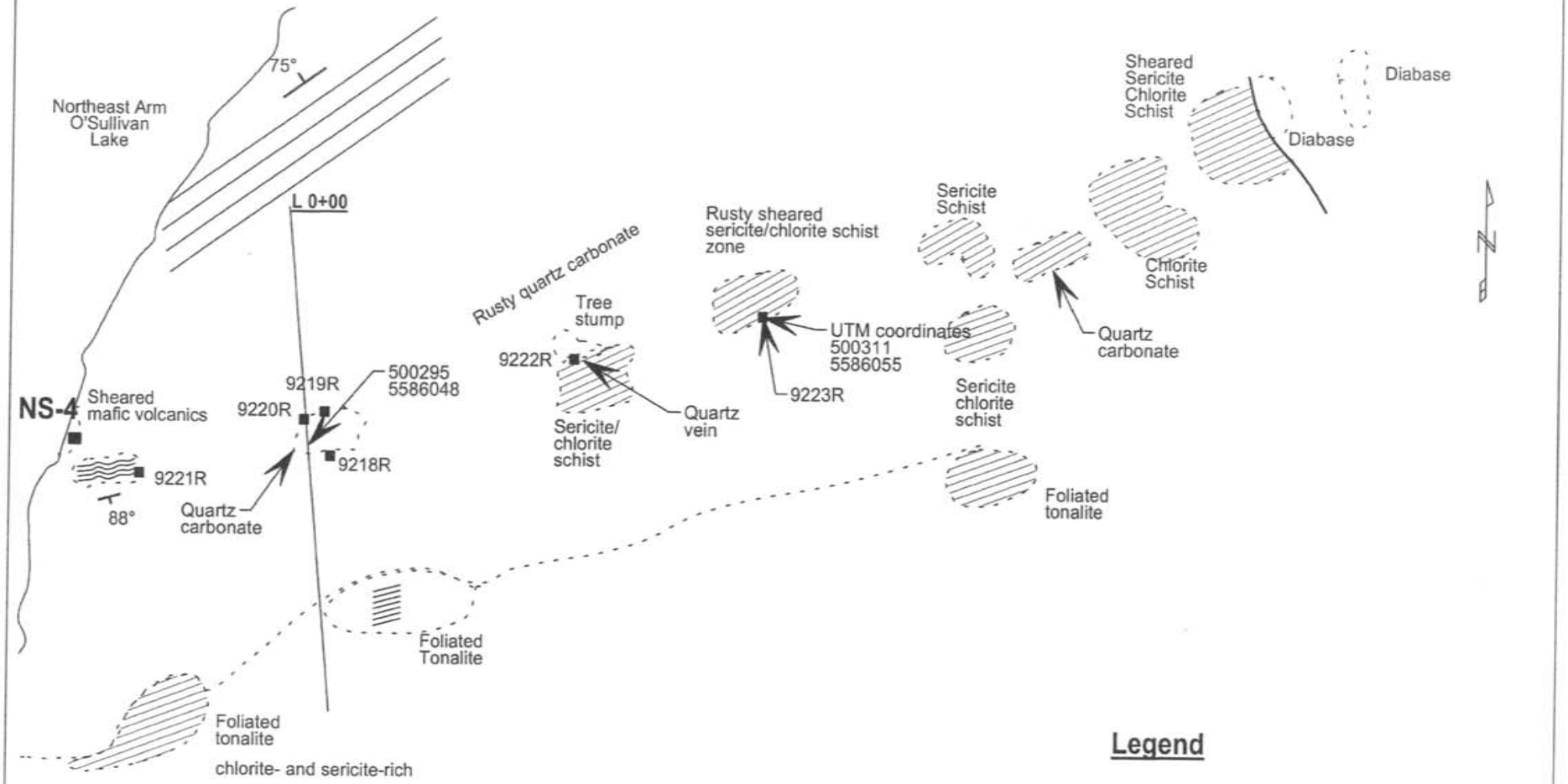
Superior Canadian Resources Inc.	
NS-2 Showing Geology	
Aurum Project, O'Sullivan Lake, Ontario	
Figure: 1-5	By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28	Revised: 2004.09.25


N
9205R
9206R
9207R
NS-2
Carb, Chl, S, Sh, Q
5587950
L 2+00E
O'Sullivan Lake
Mv
L 1+00E
Mv
Mv
Mv
5587950
L 0+00
9201R
9202R
9203R
9204R
85°
Mv
85°
NS-1
Sh, S, Q
O'Sullivan Lake
Mv
Mv
80°
5587850
cliff 4 metres
old DDH
O'Sullivan Lake
Old trench no outcrop
#3 Conlon Occurrence
501500
501550
501600
Field survey by S. Parent
Data plotted by D. Beauchamp
Legend
Outcrop, approximate
Sample location
R: rock
Sh Shearing
S Sulphides
Carb Carbonate
Q Quartz
Ch Chlorite
Strike and dip
No o/c No outcrop
Mv Mafic volcanics
Scale
0 10 20 40m
Superior Canadian Resources Inc.
NS-1, NS-2
Sampling, Prospecting Map
Aurum Project, O'Sullivan Lake, Ontario
Figure: 1-1
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


Mv
Limonitic soil boulders
Massive mafic rusty rock
Possible old trench limonitic soil
altered QP with disseminated py
9215R
9214R
9213R
old shovel
occasional rusty rocks
No o/c
Mv o/c no sulphides
Pit No o/c
L 0+00
0+70S
covered o/c
50m
40m
30m
20m
10m
Rusty boulders in pit
mafic flows rusty...
80°
85°
Flows
Mafic flows rusty patch
9209R
9208R
9276S
Limonite soil at rock contact
498563
5585077
0+80S
Dark brown coloured vein
Volcanics rusty limonitic soil
Rusty patch possible pillow
Swampy
Swampy
Old cut line
black spruce swamp
Legend
Outcrop, approximate
Sample location with sample type: R: rock, S: soil
Strike and dip
No o/c No outcrop
Mv Mafic volcanics
Scale
0 2.5 5m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Cell B - NS-3
Showing/Trench Geology
Aurum Project, O'Sullivan Lake, Ontario
Figure: 2-5
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


L 1+00E
O'Sullivan Lake
L 0+00
O'Sullivan Lake
5585100
L 1+00W
5585000
Mv
80°
88°
s
old cut line
NS-3
0+80S
sh, s
old trench
black spruce swamp
black spruce swamp
T
sh
+
498800
498900
Scale
0
25
50
100m
Legend
Outcrop, approximate
Mv Mafic volcanics
T Tonalite
S Sulphides
Sh Shearing
Strike and dip
NS-3 Showing location
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-3
Geology Map
Aurum Project, O'Sullivan Lake, Ontario
Figure: 2-4
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


L 1+00E
O'Sullivan Lake
L 0+00
O'Sullivan Lake
5585100
L 1+00W
S
9208R
9209R
NS-3
9264S
old cut line
9213R
9214R
9215R
9216R
old trench
9270S
9217R
9277S
9210S, 9271S
9275S
9211S, 9272S
9212S, 9213S
9274S
9276S
5585050
5585000
5585000
498800
498900
N
Scale
0
25
50
100m
Legend
Sample location with sample type:
R: rock
S: soil
NS-3 Showing location
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-3
Sampling Locations
Aurum Project, O'Sullivan Lake, Ontario
Figure: 2-3
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09-28



Legend

9224S ■ Sample location with sample type
R: Rock
S: Soil

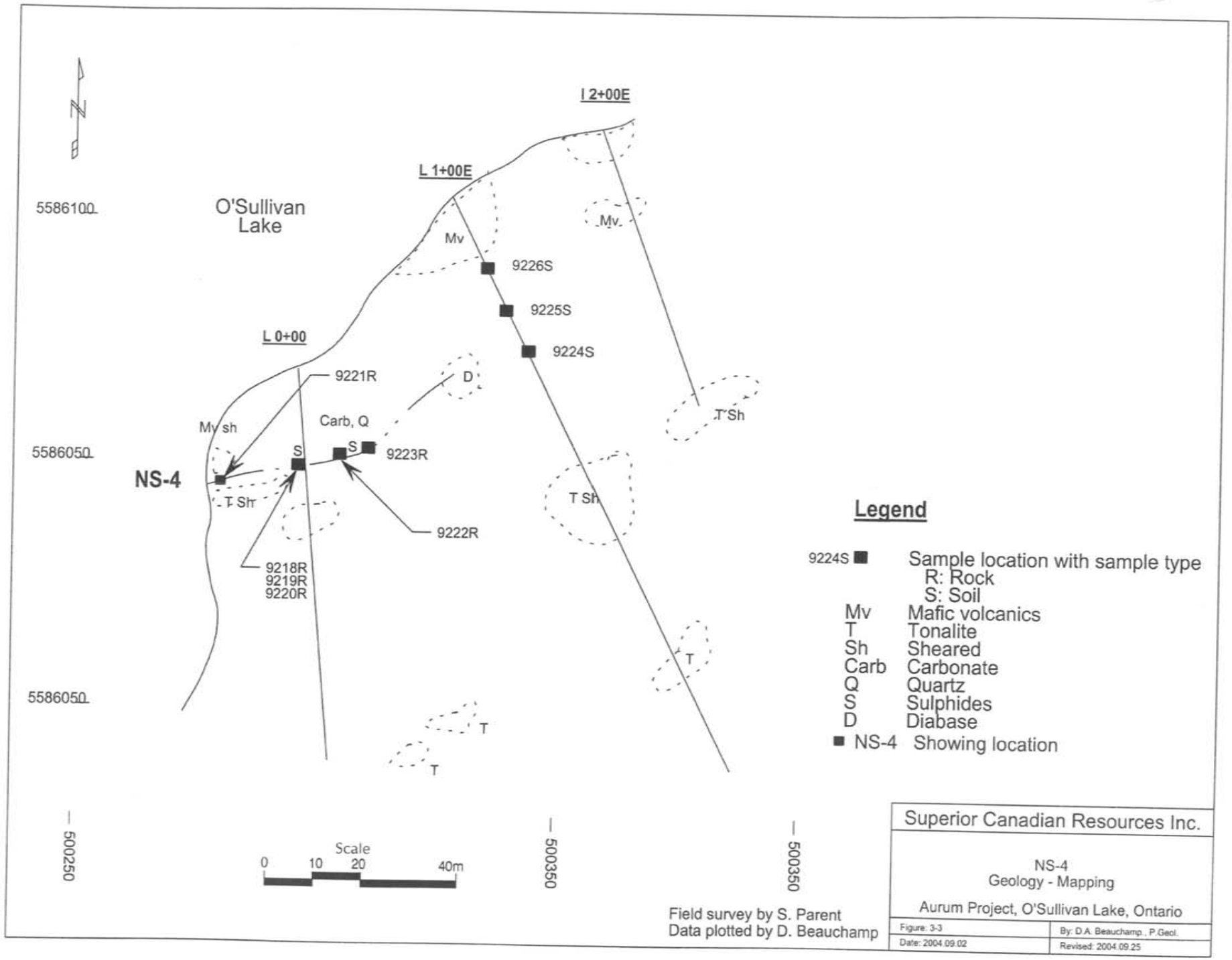
■ NS-4 Showing location

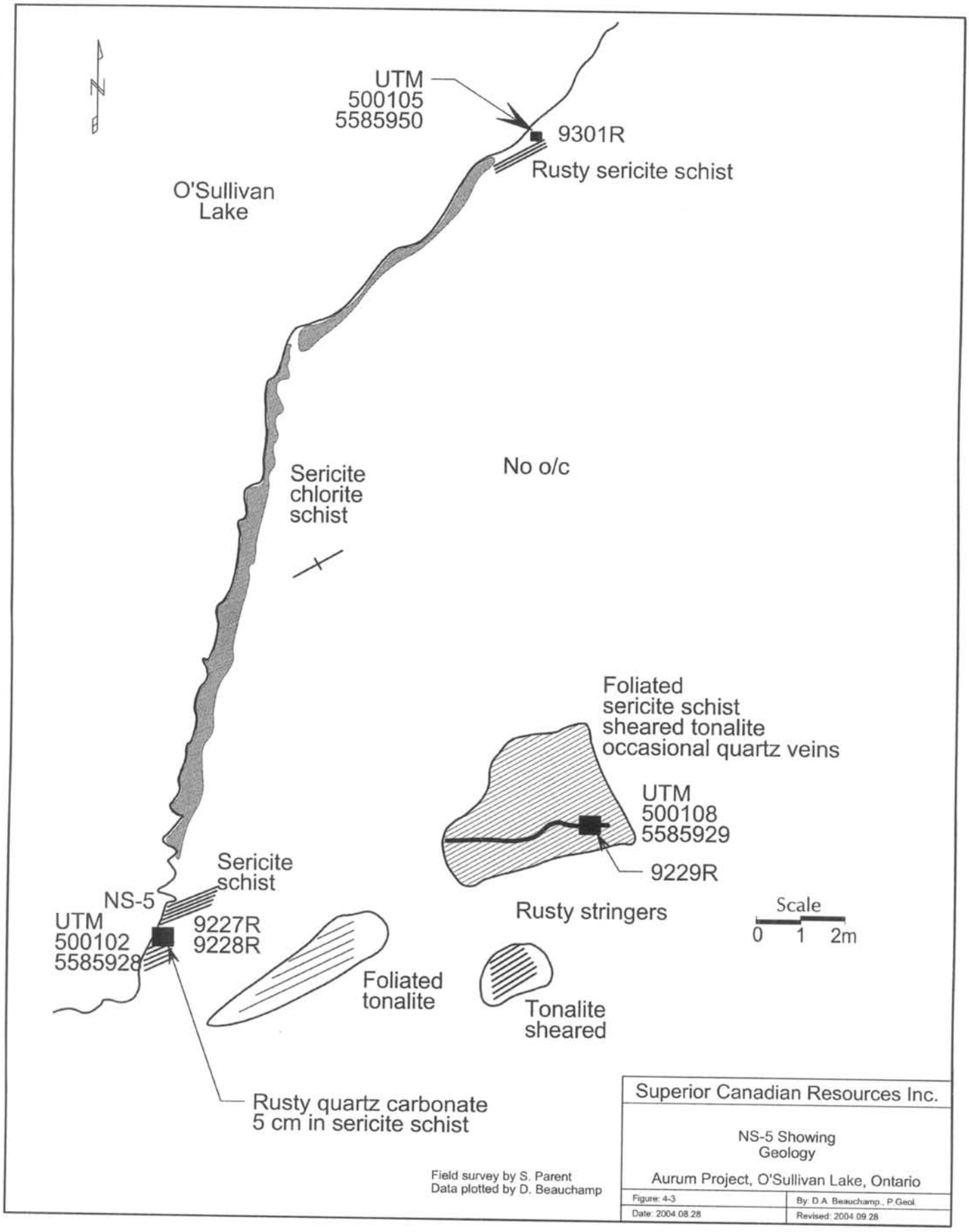
Scale

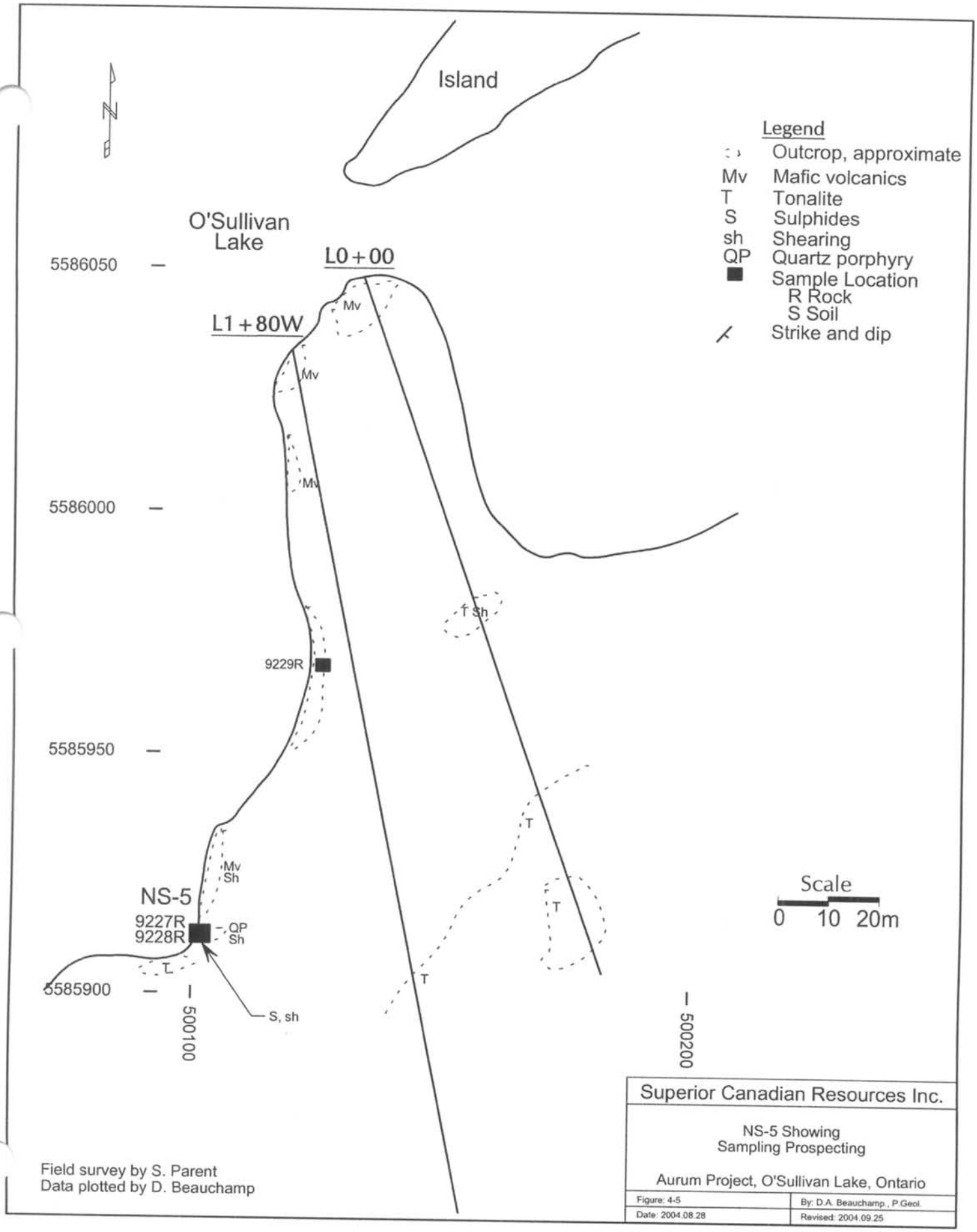
0 2.5 5m

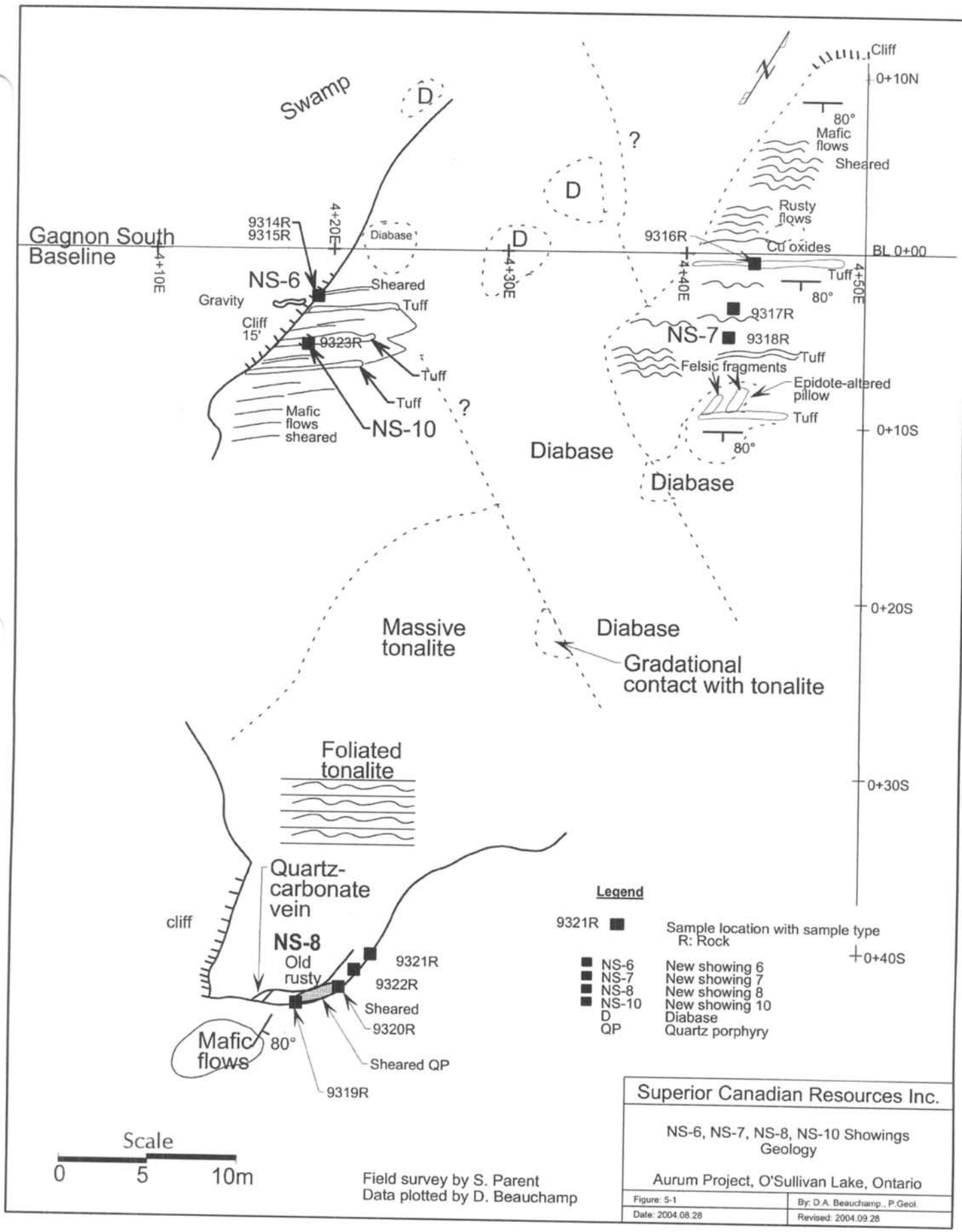
Field survey by S. Parent
Data plotted by D. Beauchamp

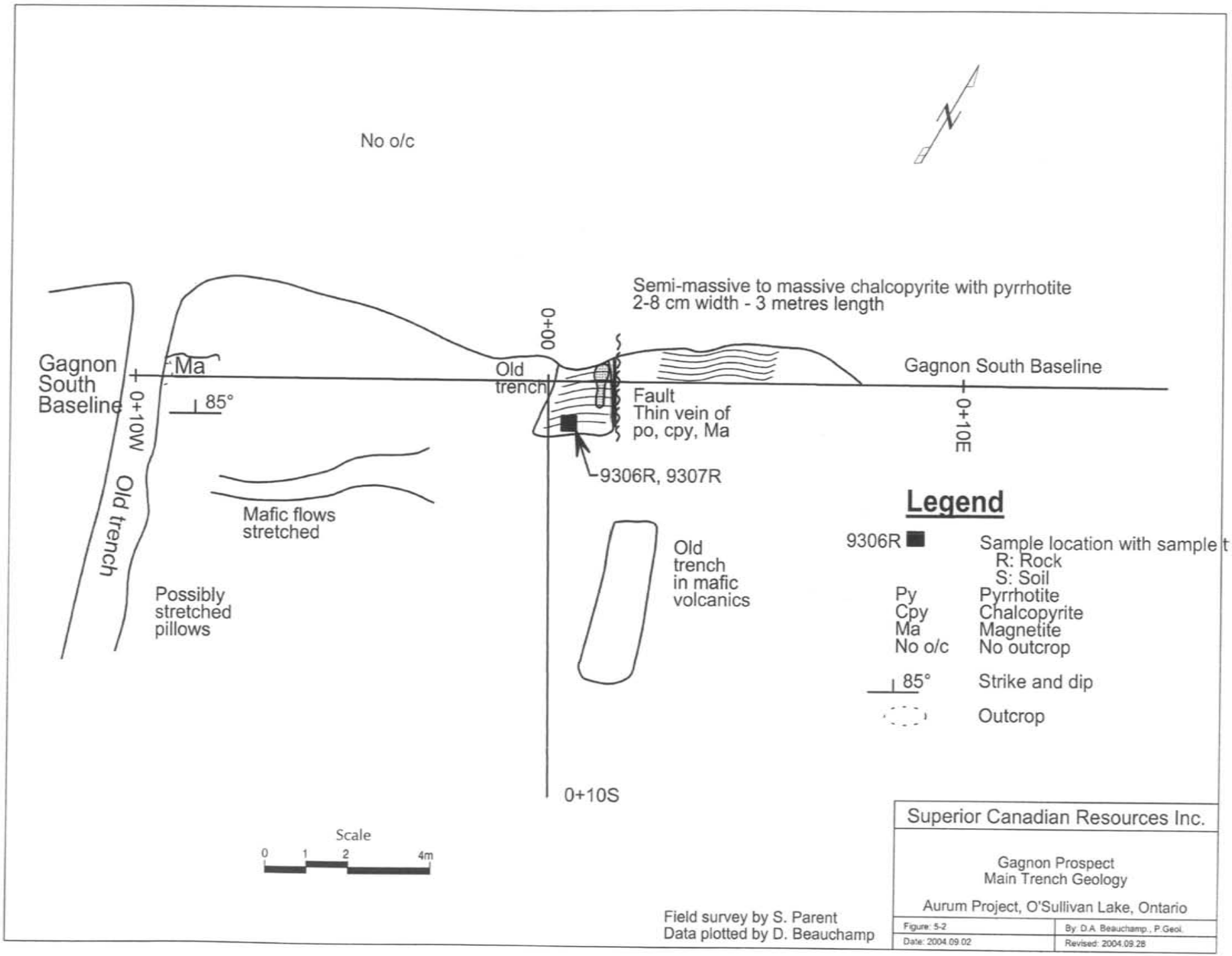
Superior Canadian Resources Inc.	
NS-4 Geology Aurum Project, O'Sullivan Lake, Ontario	
Figure: 3-4	By: D.A. Beauchamp., P.Geol.
Date: 2004.09.02	Revised: 2004.09.25

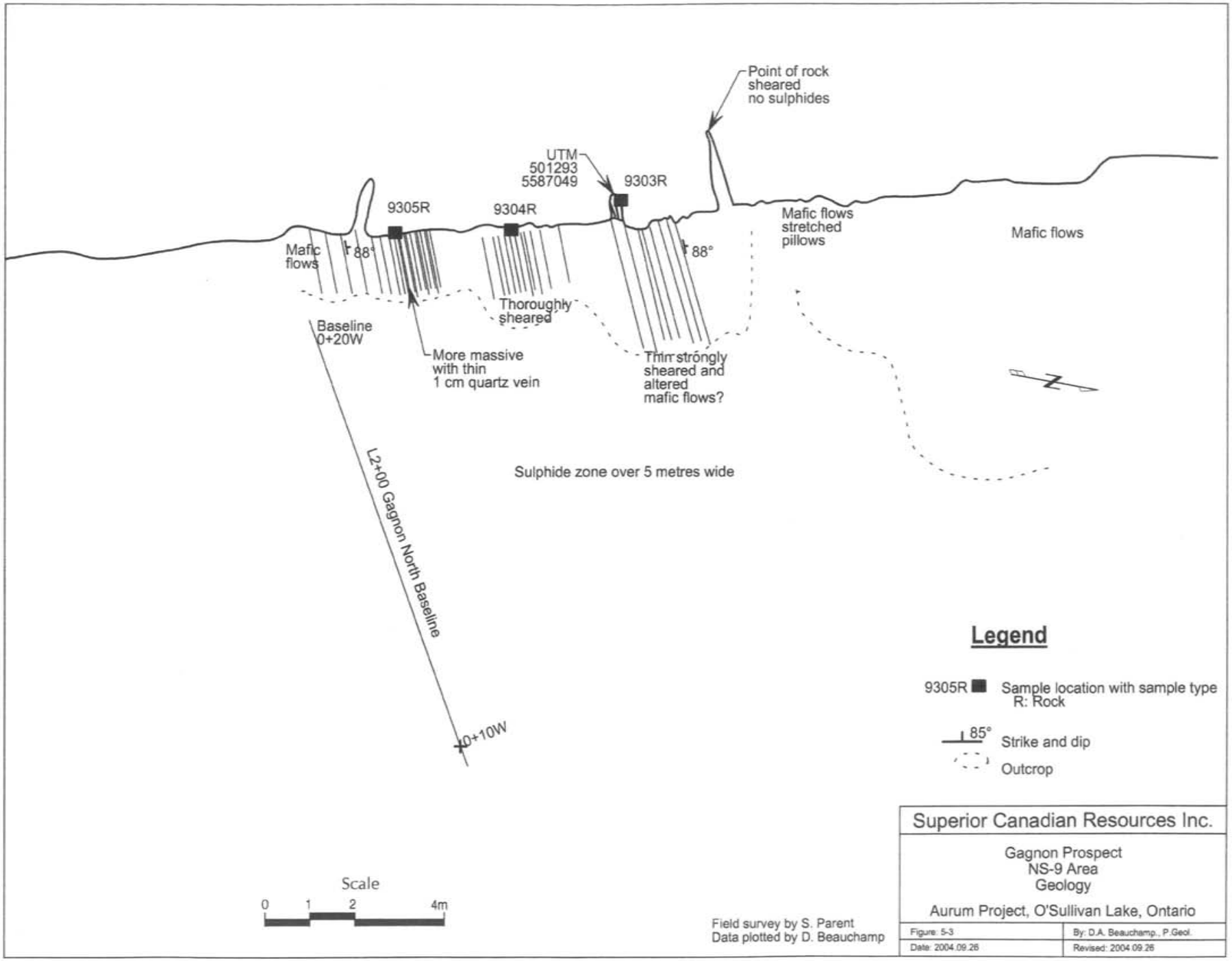

N
L 2+00E
L 1+00E
L 0+00
5586100
5586050
5586050
O'Sullivan Lake
NS-4
Mv
Mv
Mv
9226S
9225S
9224S
9221R
D
T Sh
Mv sh
Carb, Q
S
S
9223R
T Sh
T Sh
9222R
9218R
9219R
9220R
T
T
T
500250
500350
500350
Scale
0 10 20 40m
Legend
9224S Sample location with sample type
R: Rock
S: Soil
Mv Mafic volcanics
T Tonalite
Sh Sheared
Carb Carbonate
Q Quartz
S Sulphides
D Diabase
NS-4 Showing location
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-4
Geology - Mapping
Aurum Project, O'Sullivan Lake, Ontario
Figure: 3-3
By: D.A. Beauchamp., P.Geol.
Date: 2004.09.02
Revised: 2004.09.25

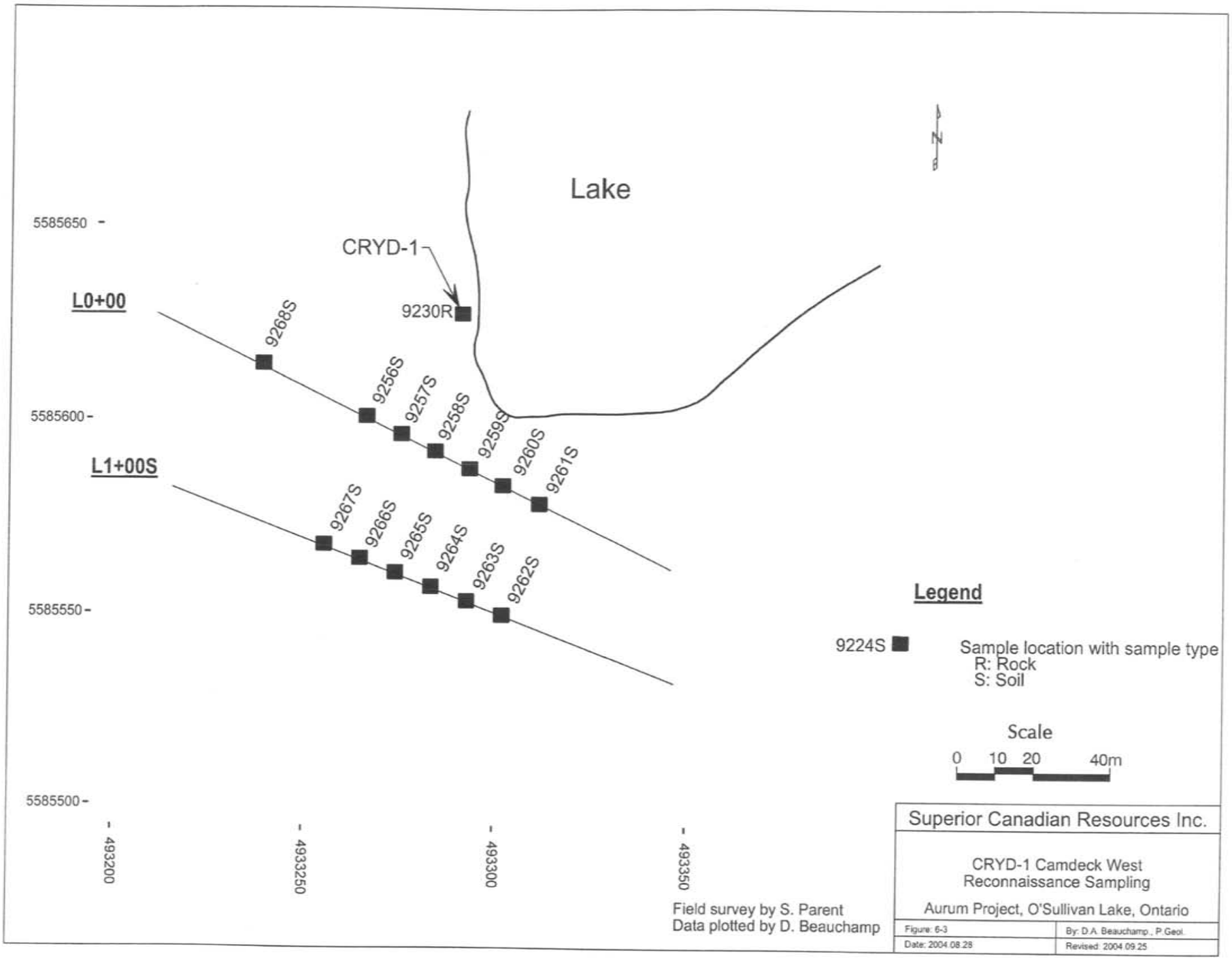

N
UTM
500105
5585950
9301R
Rusty sericite schist
O'Sullivan
Lake
Sericite
chlorite
schist
No o/c
Foliated
sericite schist
sheared tonalite
occasional quartz veins
UTM
500108
5585929
9229R
Sericite
schist
NS-5
UTM
500102
5585928
9227R
9228R
Rusty stringers
Scale
0 1 2m
Foliated
tonalite
Tonalite
sheared
Rusty quartz carbonate
5 cm in sericite schist
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-5 Showing
Geology
Aurum Project, O'Sullivan Lake, Ontario
Figure: 4-3
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.28

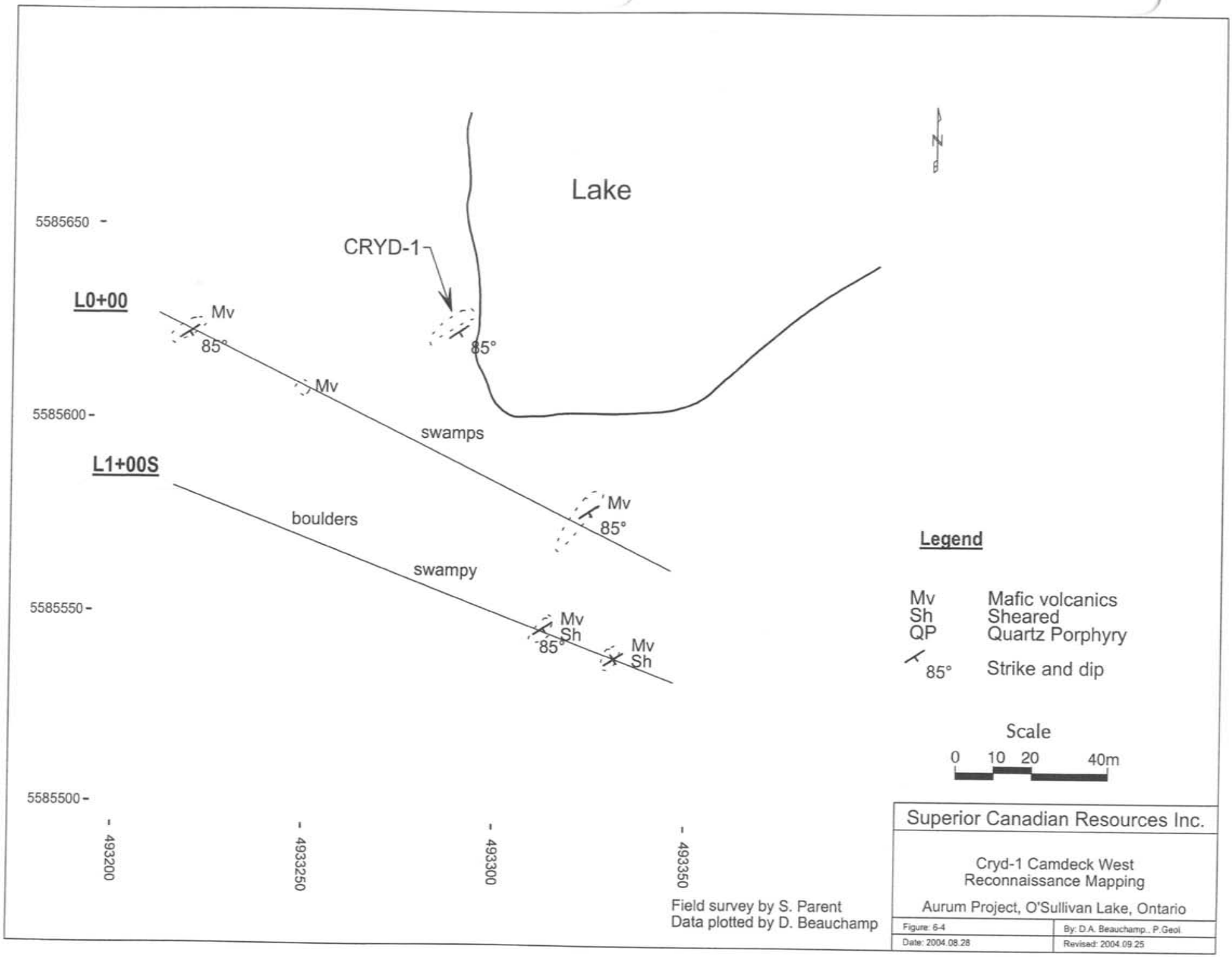

Island
N
O'Sullivan Lake
L0+00
L1+80W
5586050
5586000
5585950
5585900
Mv
Mv
Mv
T Sh
9229R
Mv
Sh
NS-5
9227R
9228R
QP
Sh
T
T
T
S, sh
I 500100
I 500200
Legend
Outcrop, approximate
Mv Mafic volcanics
T Tonalite
S Sulphides
sh Shearing
QP Quartz porphyry
Sample Location
R Rock
S Soil
Strike and dip
Scale
0 10 20m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-5 Showing
Sampling Prospecting
Aurum Project, O'Sullivan Lake, Ontario
Figure: 4-5
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25

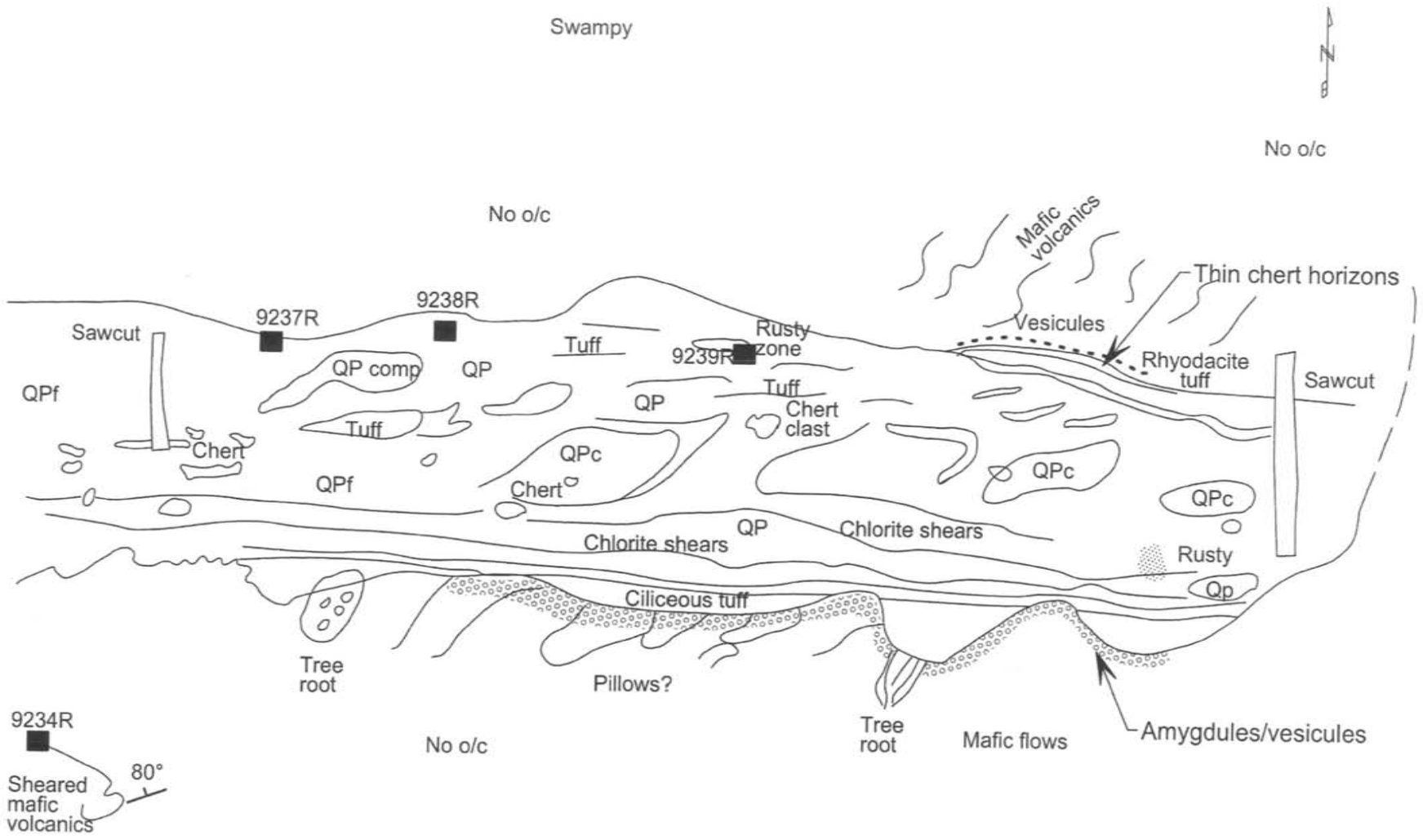

Swamp
D
Gagnon South Baseline
4+10E
9314R
9315R
4+20E
Diabase
NS-6
Sheared
Gravity
Tuff
Cliff 15'
9323R
Tuff
Tuff
Mafic flows sheared
NS-10
?
D
4+30E
?
Cliff
0+10N
80°
Mafic flows
Sheared
Rusty flows
9316R
Cu oxides
BL 0+00
4+40E
Tuff
4+50E
80°
9317R
NS-7
9318R
Tuff
Felsic fragments
Epidote-altered pillow
Tuff
80°
0+10S
Diabase
Diabase
Massive tonalite
Diabase
Gradational contact with tonalite
0+20S
Foliated tonalite
0+30S
Quartz-carbonate vein
cliff
NS-8
Old rusty
9321R
9322R
Sheared
9320R
Mafic flows
80°
Sheared QP
9319R
0+40S
Legend
9321R
Sample location with sample type
R: Rock
NS-6 New showing 6
NS-7 New showing 7
NS-8 New showing 8
NS-10 New showing 10
D Diabase
QP Quartz porphyry
Scale
0 5 10m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-6, NS-7, NS-8, NS-10 Showings
Geology
Aurum Project, O'Sullivan Lake, Ontario
Figure: 5-1
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.28


No o/c
N
Semi-massive to massive chalcopyrite with pyrrhotite
2-8 cm width - 3 metres length
0+00
Gagnon South Baseline
Ma
Old trench
Gagnon South Baseline
0+10W
85°
Fault
Thin vein of po, cpy, Ma
0+10E
9306R, 9307R
Old trench
Mafic flows stretched
Old trench in mafic volcanics
Possibly stretched pillows
0+10S
Legend
9306R
Sample location with sample t
R: Rock
S: Soil
Py Pyrrhotite
Cpy Chalcopyrite
Ma Magnetite
No o/c No outcrop
85° Strike and dip
Outcrop
Scale
0 1 2 4m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Gagnon Prospect
Main Trench Geology
Aurum Project, O'Sullivan Lake, Ontario
Figure: 5-2
By: D.A. Beauchamp., P.Geol.
Date: 2004.09.02
Revised: 2004.09.28


Point of rock sheared no sulphides
UTM 501293 5587049
9303R
9305R
9304R
Mafic flows stretched pillows
Mafic flows
Mafic flows
88°
88°
Thoroughly sheared
Baseline 0+20W
More massive with thin 1 cm quartz vein
Thin strongly sheared and altered mafic flows?
Sulphide zone over 5 metres wide
L2+00 Gagnon North Baseline
0+10W
Legend
9305R Sample location with sample type R: Rock
85° Strike and dip
Outcrop
Scale
0 1 2 4m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Gagnon Prospect
NS-9 Area
Geology
Aurum Project, O'Sullivan Lake, Ontario
Figure: 5-3
By: D.A. Beauchamp., P.Geol.
Date: 2004.09.26
Revised: 2004.09.26


Lake
N
5585650
5585600
5585550
5585500
CRYD-1
9230R
L0+00
9268S
9256S
9257S
9258S
9259S
9260S
9261S
L1+00S
9267S
9266S
9265S
9264S
9263S
9262S
493200
493250
493300
493350
Legend
9224S
Sample location with sample type
R: Rock
S: Soil
Scale
0 10 20 40m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
CRYD-1 Camdeck West
Reconnaissance Sampling
Aurum Project, O'Sullivan Lake, Ontario
Figure: 6-3
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


Lake
CRYD-1
L0+00
L1+00S
Mv
85°
swamps
boulders
swampy
Sh
5585650
5585600
5585550
5585500
493200
493250
493300
493350
Legend
Mv Mafic volcanics
Sh Sheared
QP Quartz Porphyry
85° Strike and dip
Scale
0 10 20 40m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Cryd-1 Camdeck West
Reconnaissance Mapping
Aurum Project, O'Sullivan Lake, Ontario
Figure: 6-4
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25



Legend

9234R ■ Sample location with sample type R: Rock

QPf Quartz Porphyry (fine-grained)

QPc Quartz Porphyry (coarse-grained)

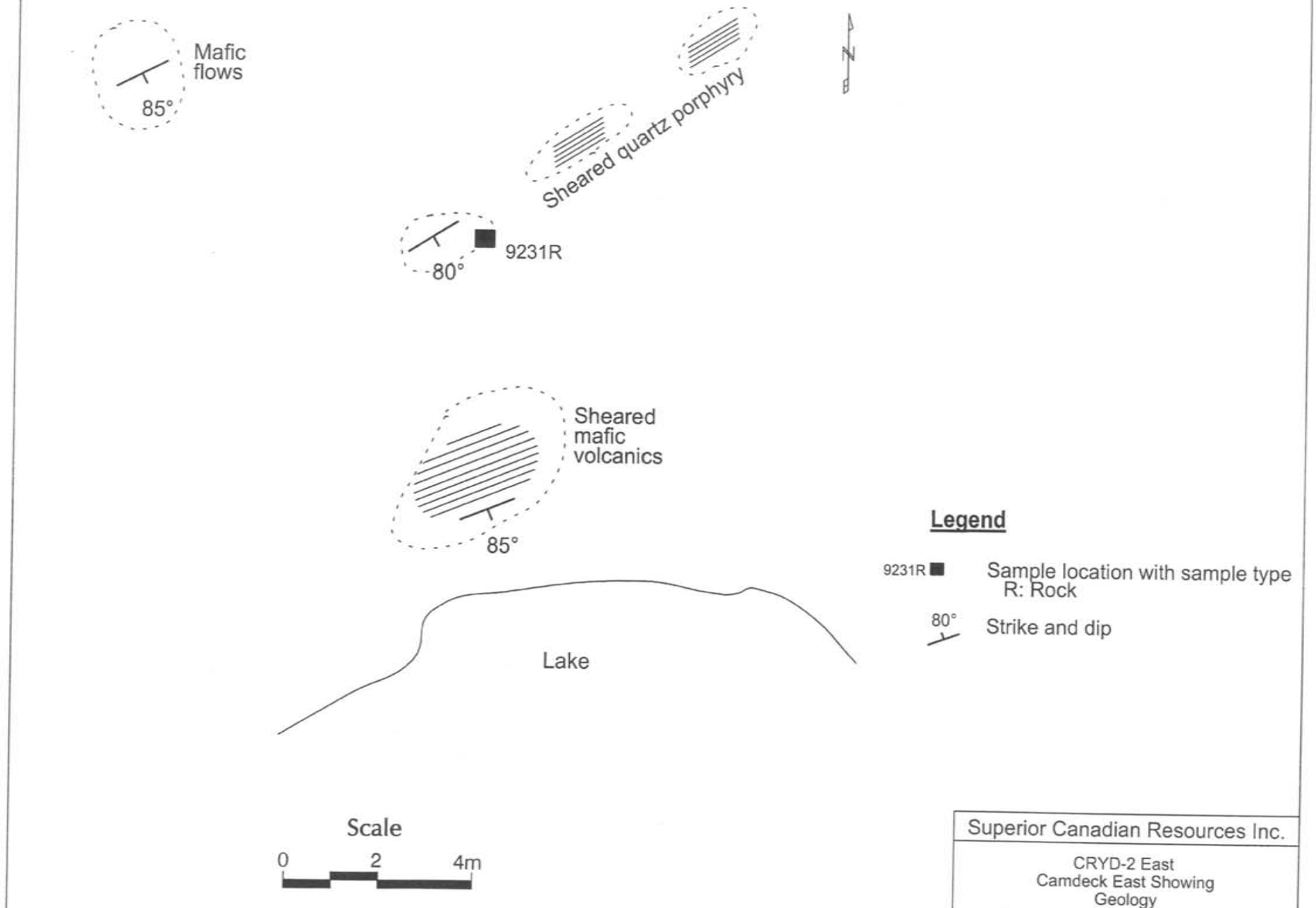
80° Strike and dip

Scale

0 1 2m

Field survey by S. Parent
Data plotted by D. Beauchamp

Superior Canadian Resources Inc.	
CRYD-2 Strip Area Detailed Geology Aurum Project, O'Sullivan Lake, Ontario	
Figure: 7-5	By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28	Revised: 2004.09.25



Field survey by S. Parent
Data plotted by D. Beauchamp

Superior Canadian Resources Inc.	
CRYD-2 East Camdeck East Showing Geology Aurum Project, O'Sullivan Lake, Ontario	
Figure: 7-6	By: D.A. Beauchamp., P.Geol.
Date: 2004.09.26	Revised: 2004.09.26

Authors note: Please be advised that the scales noted in the preceding sketches are no longer accurate due to errors caused in the scanning process. These sketches are provided mainly for the purpose of identifying accurate sample locations and geological features in general.

Ground Geophysical Surveying

In the executive summary part of this report mention was made of a ground geophysical component as part of the 2004 overall exploration program.

Geophysical prospecting was carried out following the installation of the Kowkash A grid, line clearing of the older B grid, line extensions of same and the completion of gridding in the Gagnon project area. For details re surveying dates see Appendix 13-5, Personnel work Table. Instrument operation and collection of data was performed by Shaun Parent with the assistance of Paul Beckett.

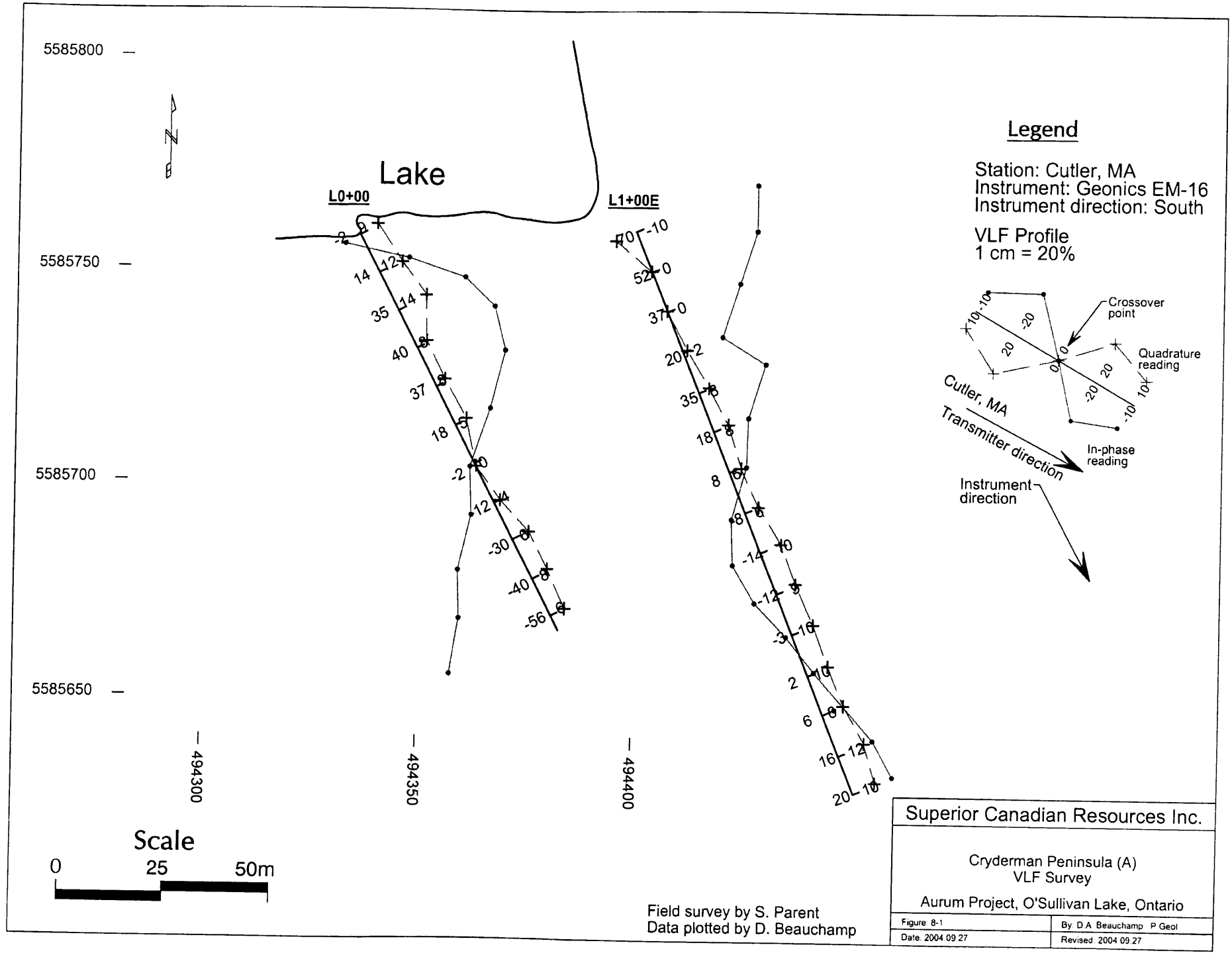
The Kowkash A and B grids (see sketches attached earlier) were the subject of surveying using an EM 16 unit. The Gagnon grid lines were subjected to the same process. All of these areas were also surveyed using a proton magnetometer.

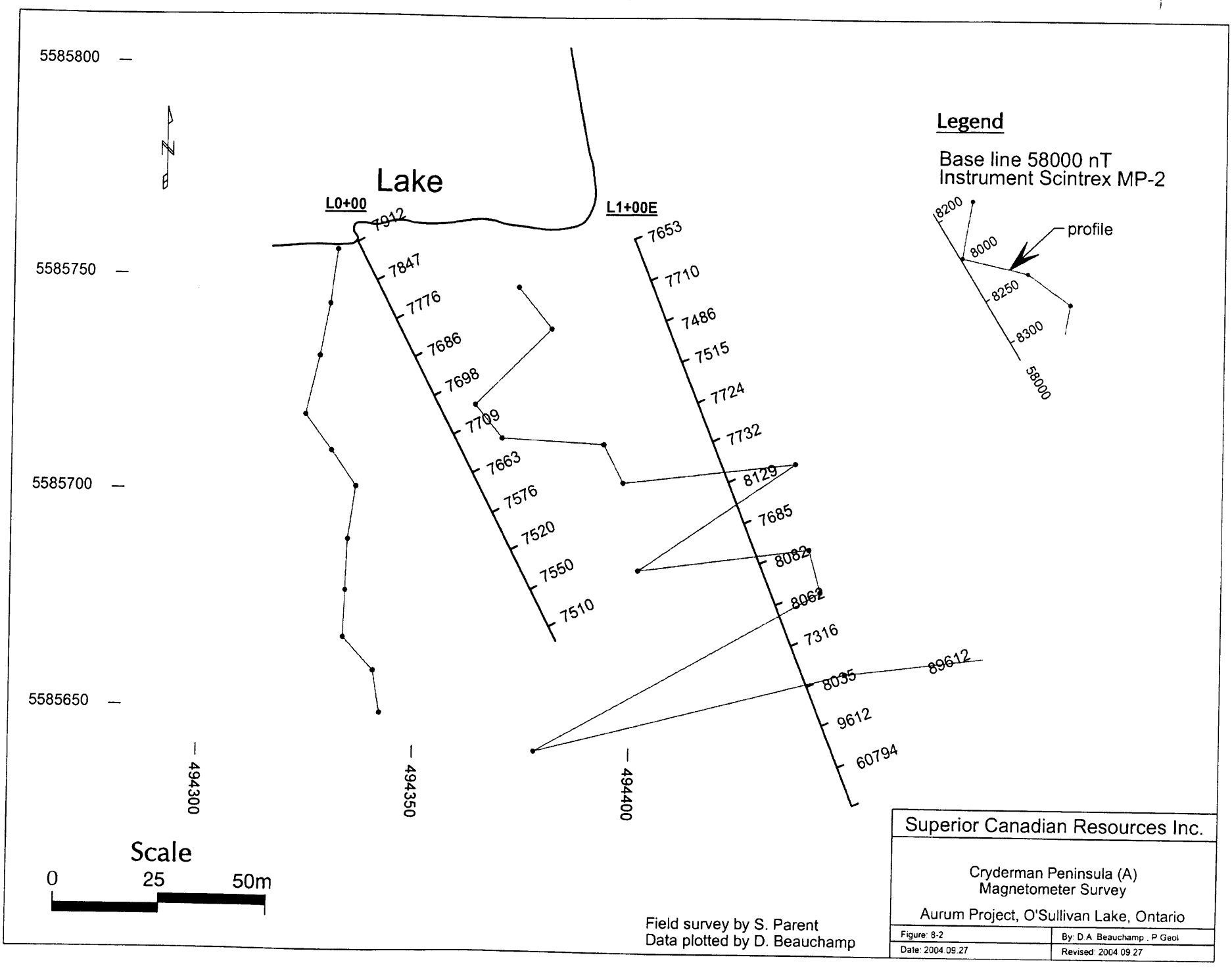
Parts of the Kowkash A and B grids were also the subject of EM 16 surveying using a TX 27 transmitter. The principles and operation re this process are explained in Appendix 13-4, TX 27 Transmitter Explained. This process was selected in hopes of dealing with poor and intermittent radio frequency transmissions from normal/standard EM 16 transmitter sites (i.e. Panama, Cutler etc.) experienced.

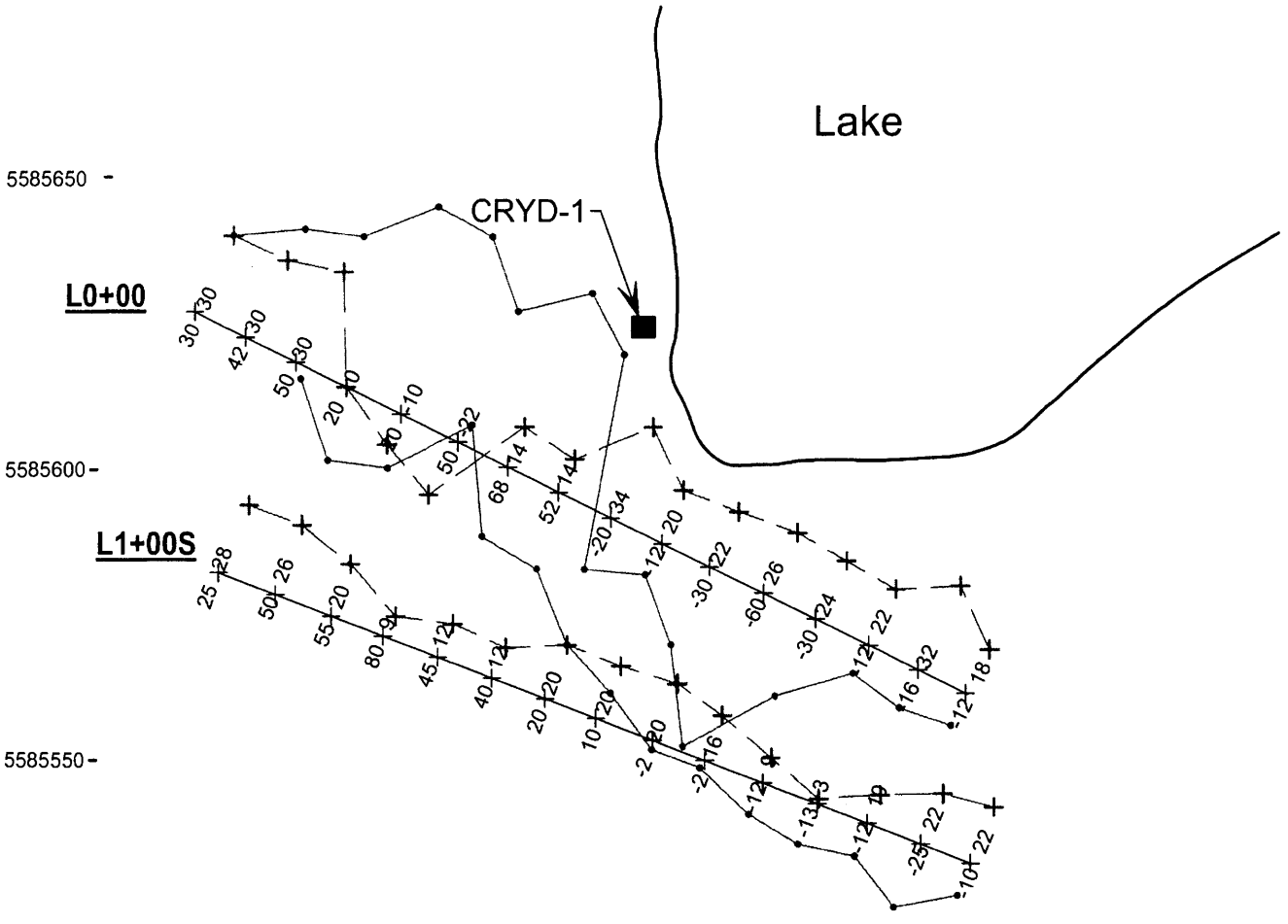
As it turned out, the system did in fact aid in overcoming these problems however; it was later learned that the transmitter cable had been (possibly) placed in the wrong location for the directional surveying done. An effort is now being made to salvage these data in whatever manner/degree possible.

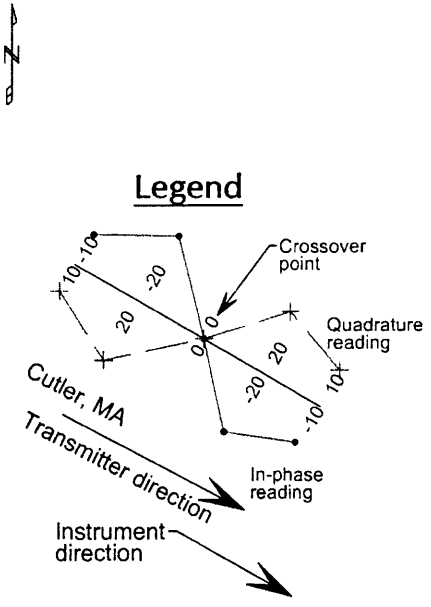
Details and results of all of the ground surveying are described in/on the following Maps: AS-10A, Ground VLF EM16 Survey, Kowkash Grid A. *VLF Profiles, TX-27. *VLF interpretation map. Scale: 1:2500. AS-10B, Ground Magnetometer survey, Raw Data, Diurnally corrected and Unfiltered, Kowkash B Grid. Scale: 1:2500. AS-10C, Ground VLF EM16 Survey. VLF Profiles. Gagnon Area. Scale: 1:2500. AS-10D, Ground mag Survey, Kowkash Grid B. Filtered Data Profiles. Scale: 1:2500. AS-10E, Ground VLF EM 16 Survey, Kowkash Grid B. VLF TX-27. Scale: 1:2500. AS-11.

No attempt has been made by this writer to level any formal interpretation to any/all of these results, rather they will be considered along with the interpretation of Airborne survey data now in hand.


5585800
5585750
5585700
5585650
N
Lake
L0+00
L1+00E
494300
494350
494400
Scale
0
25
50m
Legend
Station: Cutler, MA
Instrument: Geonics EM-16
Instrument direction: South
VLF Profile
1 cm = 20%
Crossover point
Quadrature reading
In-phase reading
Cutler, MA
Transmitter direction
Instrument direction
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Cryderman Peninsula (A)
VLF Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure 8-1
By D.A. Beauchamp P.Geol
Date: 2004.09.27
Revised: 2004.09.27


5585800
5585750
5585700
5585650
N
Lake
L0+00
L1+00E
7912
7847
7776
7686
7698
7709
7663
7576
7520
7550
7510
7653
7710
7486
7515
7724
7732
8129
7685
8082
8082
7316
8035
89612
9612
60794
494300
494350
494400
Legend
Base line 58000 nT
Instrument Scintrex MP-2
8200
8000
profile
8250
8300
58000
Scale
0
25
50m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
Cryderman Peninsula (A)
Magnetometer Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 8-2
By: D.A. Beauchamp , P.Geol
Date: 2004.09.27
Revised: 2004.09.27





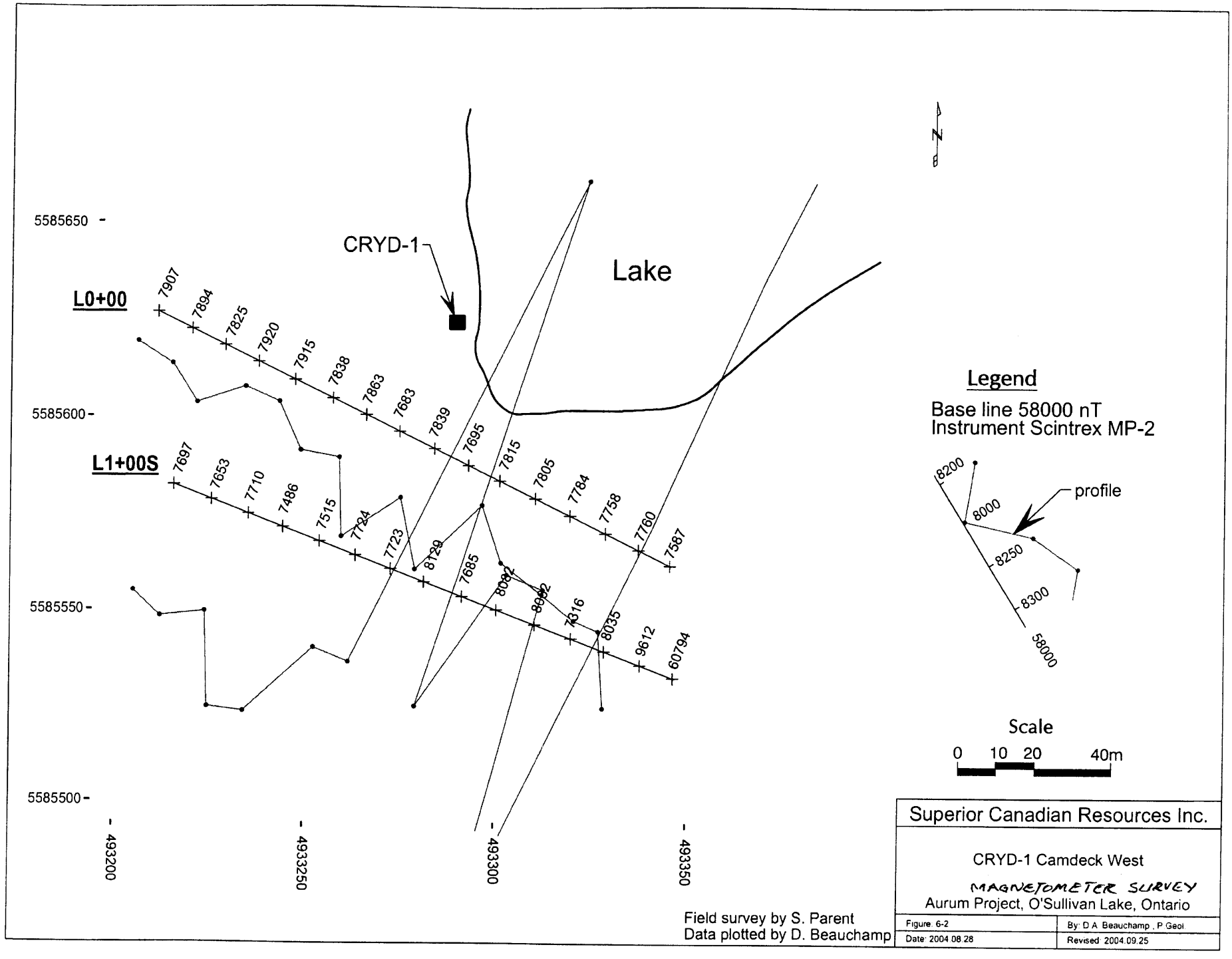
Station: Cutler, MA
Instrument: Geonics EM-16
Instrument direction: South

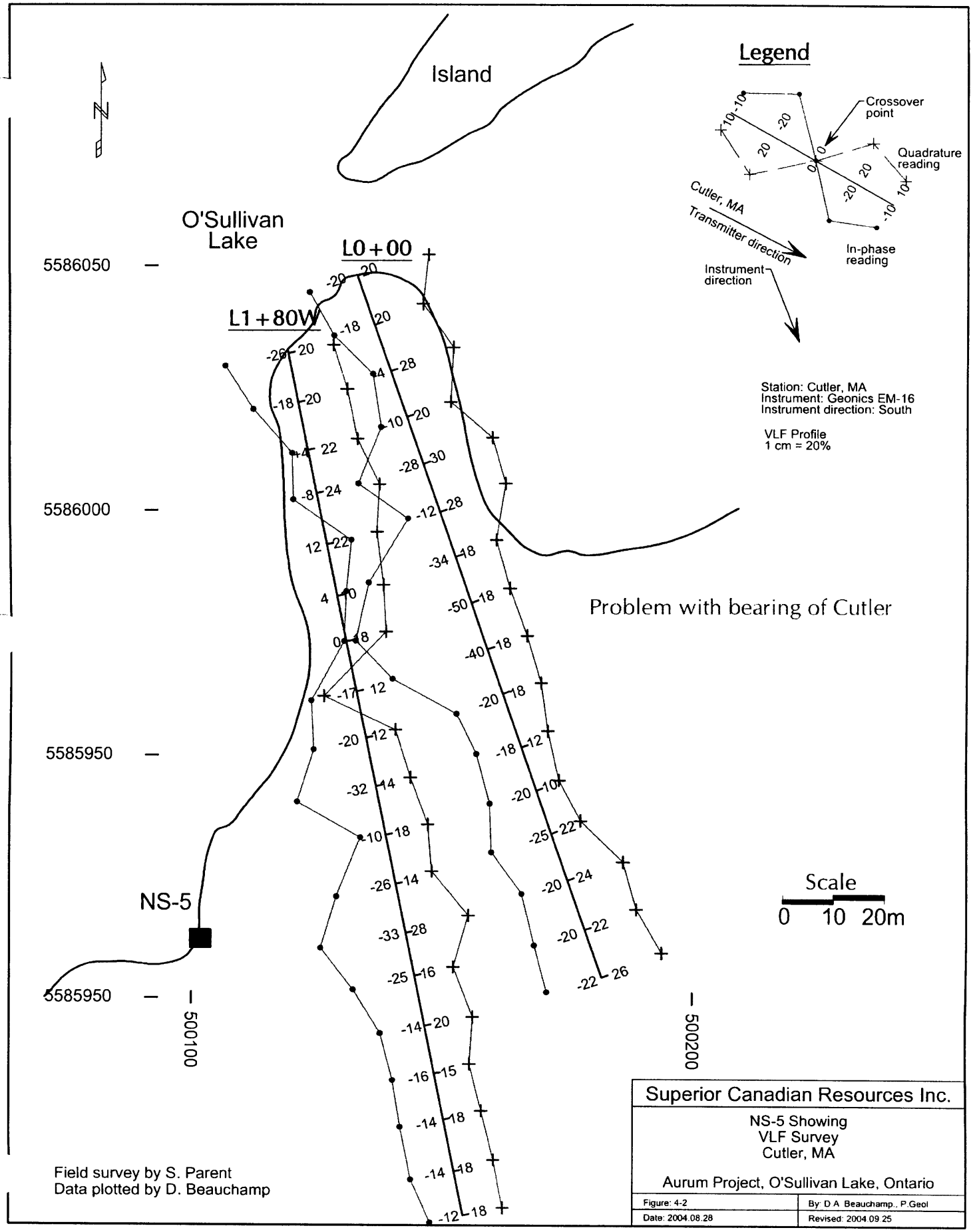
VLF Profile
1 cm = 20%

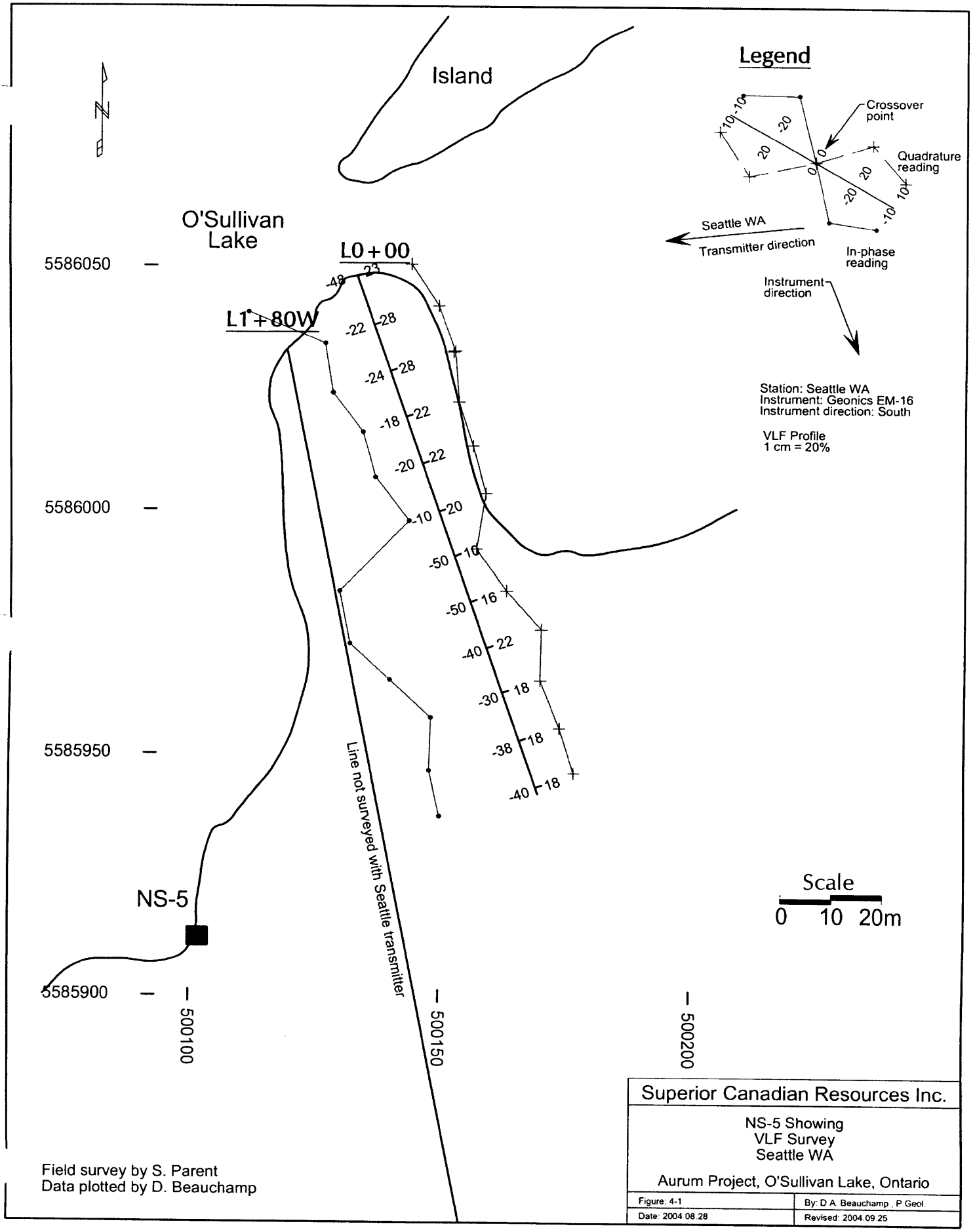
Scale
0 10 20 40m

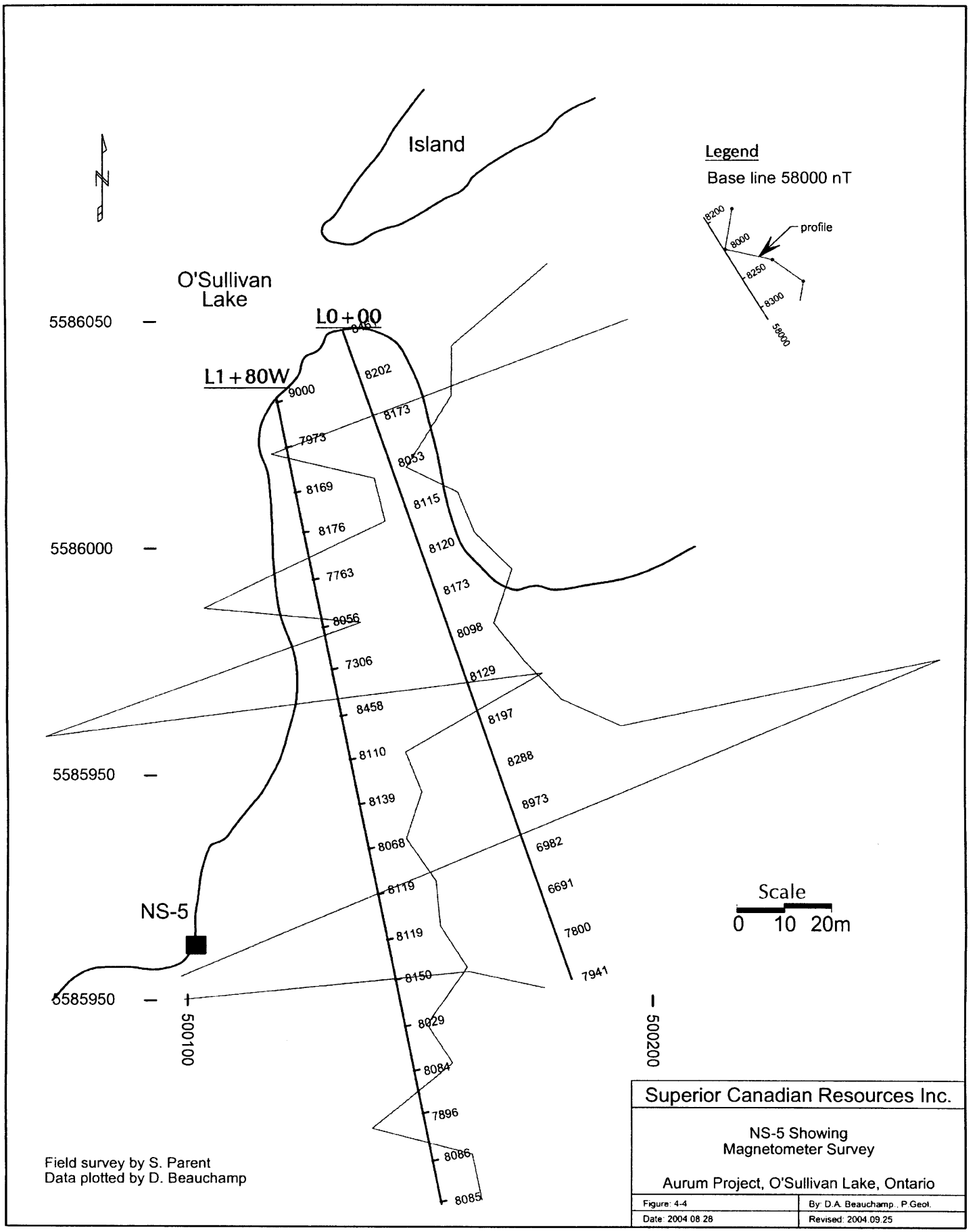
Field survey by S. Parent
Data plotted by D. Beauchamp

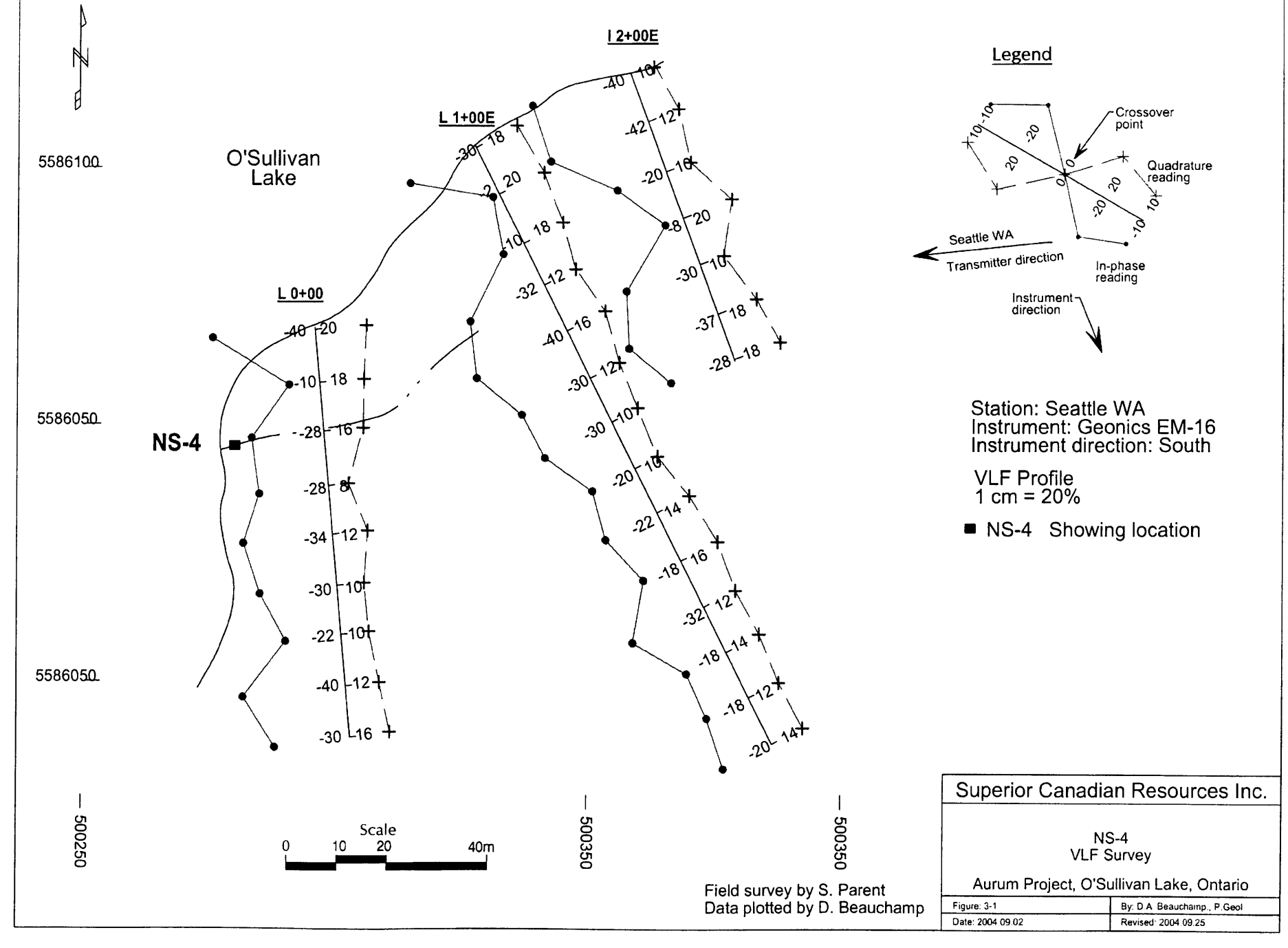
Superior Canadian Resources Inc.	
Cryd-1 Camdeck West VLF Reconnaissance Aurum Project, O'Sullivan Lake, Ontario	
Figure: 6-1	By: D.A Beauchamp., P Geol
Date: 2004.08.28	Revised: 2004.09.25

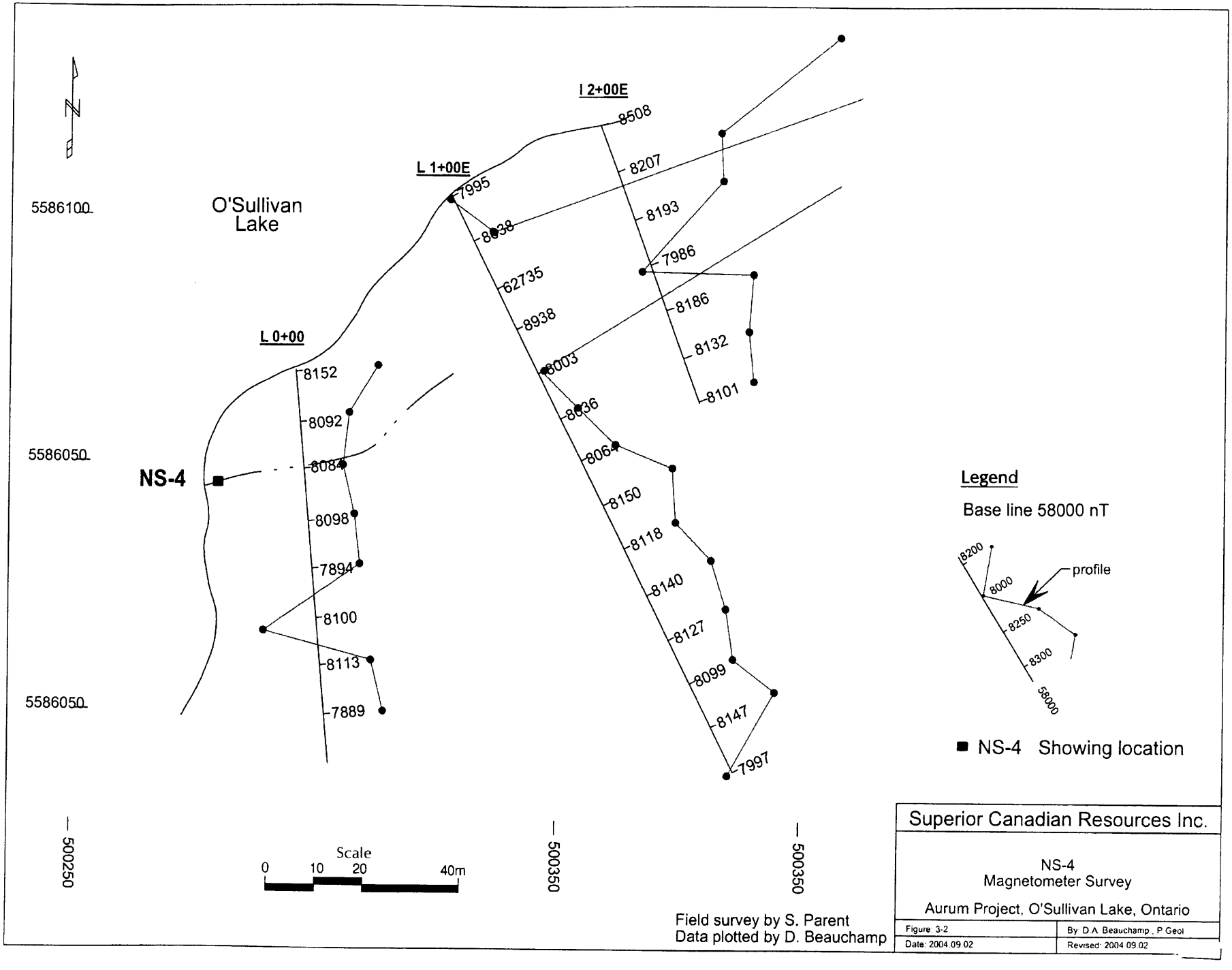

5585650
5585600
5585550
5585500
CRYD-1
Lake
L0+00
L1+00S
7907
7894
7825
7920
7915
7838
7863
7683
7839
7695
7815
7805
7784
7758
7760
7587
7697
7653
7710
7486
7515
7724
7723
8129
7685
8035
9612
60794
N
Legend
Base line 58000 nT
Instrument Scintrex MP-2
8200
8000
profile
8250
8300
58000
Scale
0 10 20 40m
493200
493250
493300
493350
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
CRYD-1 Camdeck West
MAGNETOMETER SURVEY
Aurum Project, O'Sullivan Lake, Ontario
Figure: 6-2
By: D.A. Beauchamp, P.Geol.
Date: 2004.08.28
Revised: 2004.09.25

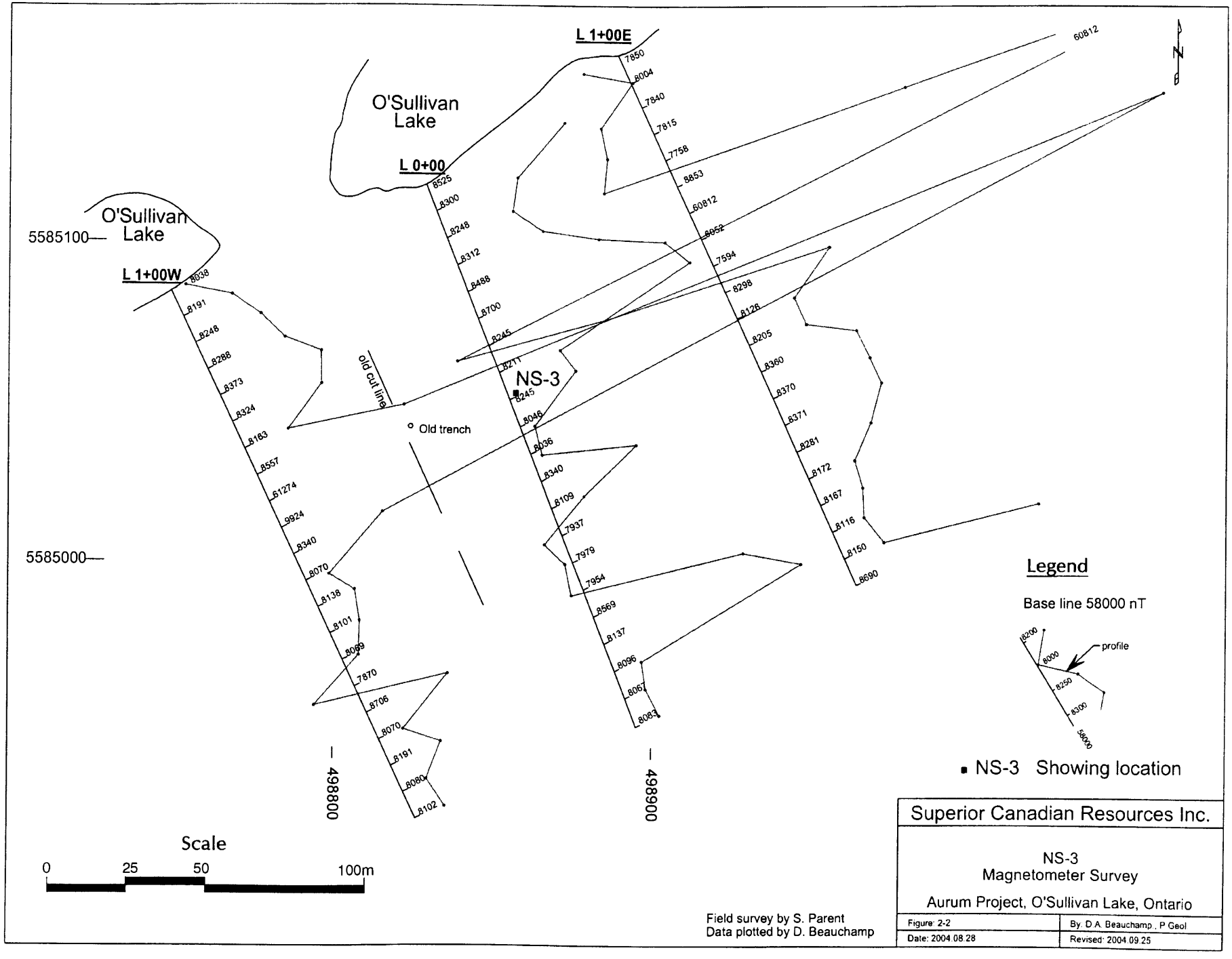

Legend
Crossover point
Quadrature reading
In-phase reading
Cutler, MA
Transmitter direction
Instrument direction
Station: Cutler, MA
Instrument: Geonics EM-16
Instrument direction: South
VLF Profile
1 cm = 20%
Island
O'Sullivan Lake
L0+00
L1+80W
NS-5
5586050
5586000
5585950
5585950
500100
500200
Problem with bearing of Cutler
Scale
0 10 20m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-5 Showing
VLF Survey
Cutler, MA
Aurum Project, O'Sullivan Lake, Ontario
Figure: 4-2
By: D A Beauchamp., P.Geol
Date: 2004.08.28
Revised: 2004.09.25

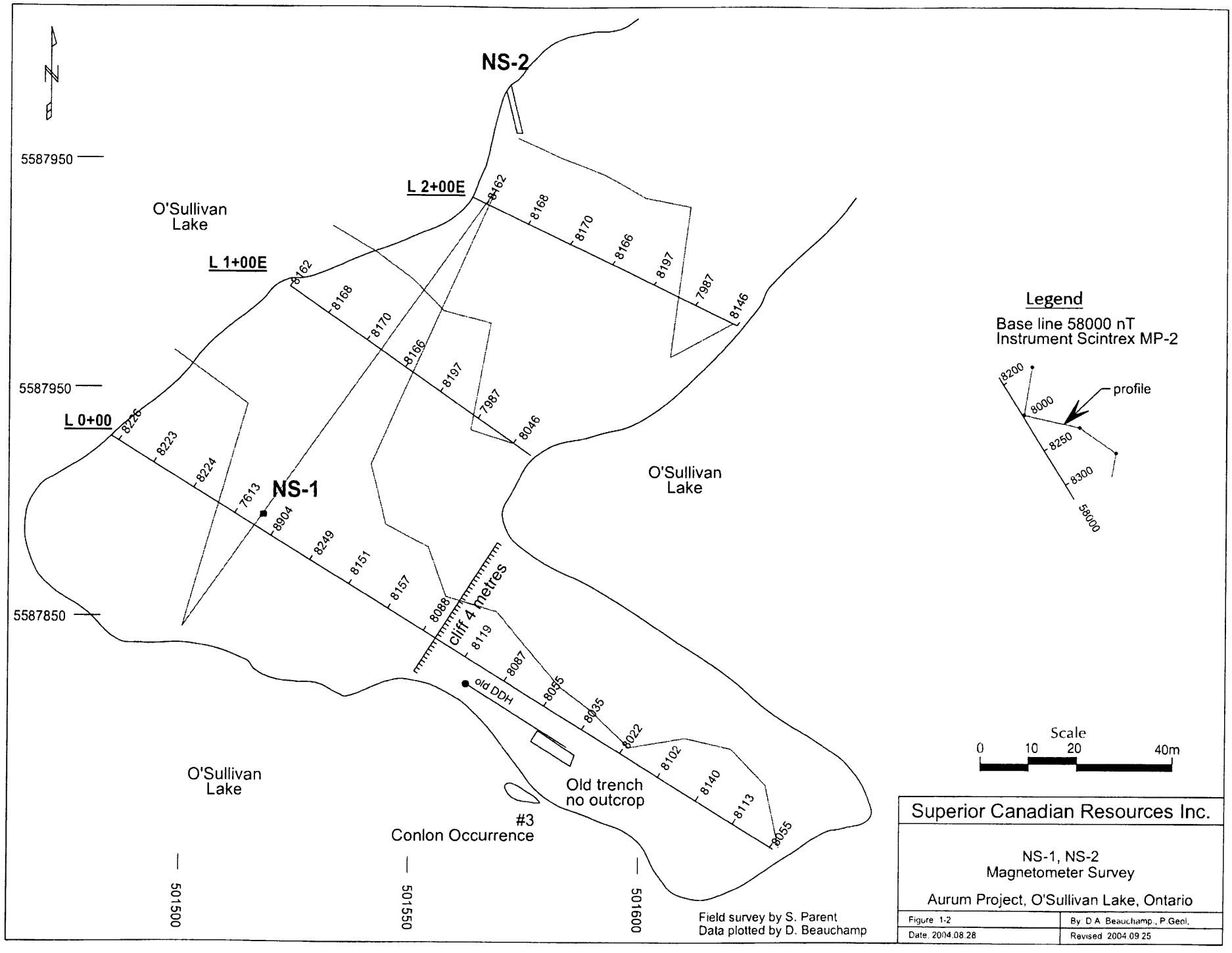

Legend
Crossover point
Quadrature reading
In-phase reading
Seattle WA
Transmitter direction
Instrument direction
Station: Seattle WA
Instrument: Geonics EM-16
Instrument direction: South
VLF Profile
1 cm = 20%
Island
O'Sullivan Lake
L0+00
L1+80W
5586050
5586000
5585950
5585900
NS-5
Line not surveyed with Seattle transmitter
500100
500150
500200
Scale
0 10 20m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-5 Showing
VLF Survey
Seattle WA
Aurum Project, O'Sullivan Lake, Ontario
Figure: 4-1
By: D.A. Beauchamp, P.Geol.
Date: 2004.08.28
Revised: 2004.09.25

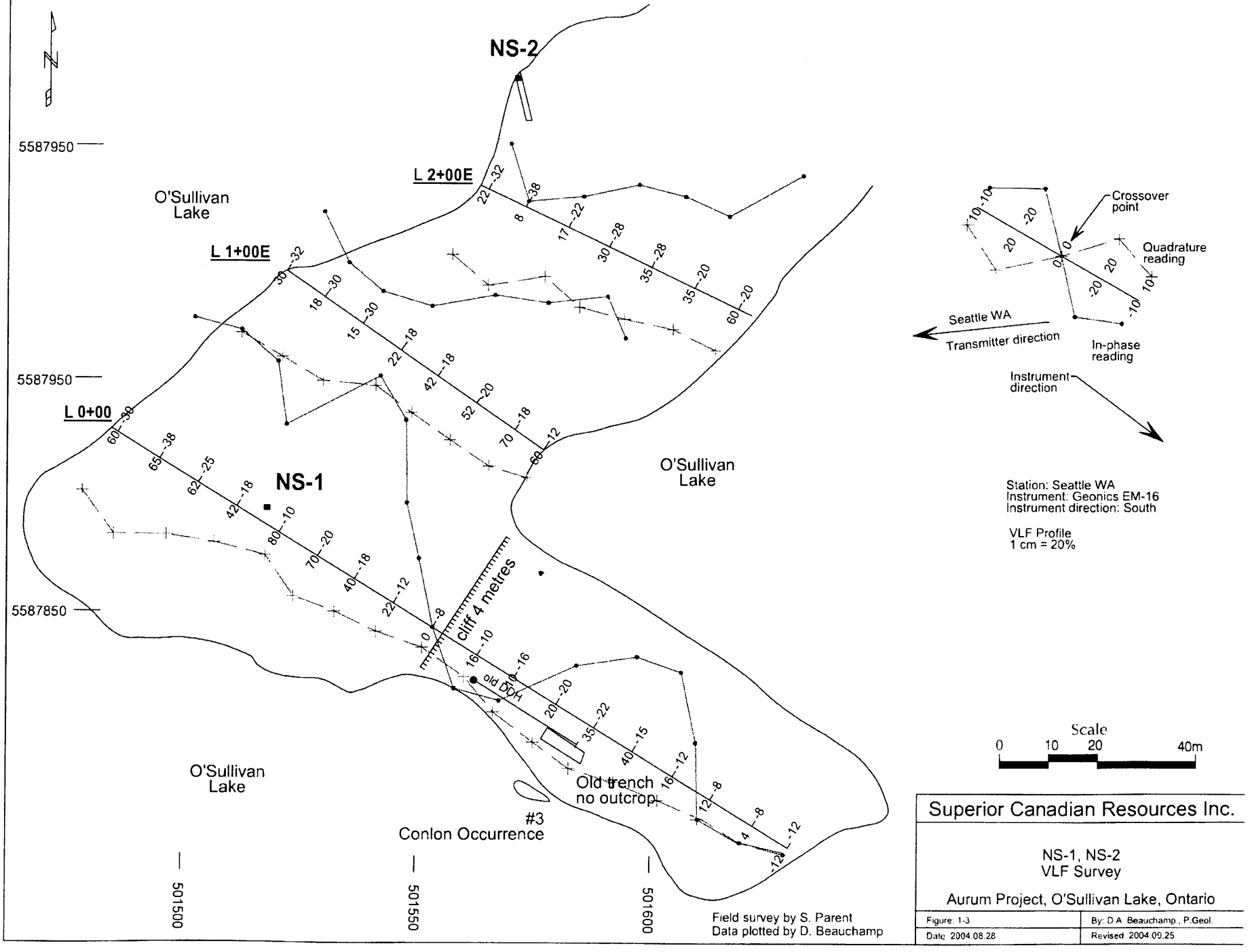

Island
O'Sullivan Lake
Legend
Base line 58000 nT
8200
8000
8250
8300
58000
profile
5586050
5586000
5585950
5585950
L0+00
L1+80W
9000
8202
8173
7973
8053
8169
8115
8176
8120
7763
8173
8056
8098
7306
8129
8458
8197
8110
8288
8139
8973
8068
6982
8119
6691
8119
7800
8150
7941
8029
8084
7896
8086
8085
NS-5
500100
500200
Scale
0 10 20m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-5 Showing
Magnetometer Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 4-4
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


N
5586100
5586050
5586050
O'Sullivan Lake
L 0+00
L 1+00E
L 2+00E
NS-4
500250
500350
500350
Scale
0 10 20 40m
Legend
Crossover point
Quadrature reading
Seattle WA
Transmitter direction
In-phase reading
Instrument direction
Station: Seattle WA
Instrument: Geonics EM-16
Instrument direction: South
VLF Profile
1 cm = 20%
NS-4 Showing location
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-4
VLF Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 3-1
By: D.A. Beauchamp., P.Geol
Date: 2004.09.02
Revised: 2004.09.25


L 2+00E
L 1+00E
L 0+00
O'Sullivan Lake
NS-4
5586100
5586050
5586050
8508
8207
8193
7995
8038
7986
62735
8186
8938
8132
8003
8101
8036
8064
8152
8150
8092
8118
8084
8140
8098
8127
7894
8099
8100
8147
8113
7997
7889
500250
500350
500350
Scale
0 10 20 40m
Legend
Base line 58000 nT
8200
8000
profile
8250
8300
58000
NS-4 Showing location
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-4
Magnetometer Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 3-2
By D.A. Beauchamp , P.Geol
Date: 2004.09.02
Revised: 2004.09.02


L 1+00E
O'Sullivan Lake
L 0+00
O'Sullivan Lake
5585100
L 1+00W
old cut line
NS-3
Old trench
5585000
498800
498800
Legend
Base line 58000 nT
profile
NS-3 Showing location
Scale
0 25 50 100m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-3
Magnetometer Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 2-2
By: D.A. Beauchamp , P Geol
Date: 2004.08.28
Revised: 2004.09.25


NS-2
5587950
L 2+00E
O'Sullivan Lake
L 1+00E
8162
8168
8170
8166
8197
7987
8146
5587950
L 0+00
8226
8223
8224
7613
NS-1
8904
8249
8151
8157
8088
cliff 4 metres
8119
8087
8055
8035
8022
8102
8140
8113
8055
old DDH
5587850
O'Sullivan Lake
O'Sullivan Lake
Old trench no outcrop
#3
Conlon Occurrence
501500
501550
501600
Legend
Base line 58000 nT
Instrument Scintrex MP-2
8200
8000
profile
8250
8300
58000
Scale
0 10 20 40m
Field survey by S. Parent
Data plotted by D. Beauchamp
Superior Canadian Resources Inc.
NS-1, NS-2
Magnetometer Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure 1-2
By: D.A. Beauchamp., P.Geol.
Date: 2004.08.28
Revised: 2004.09.25


NS-2
NS-1
L 2+00E
L 1+00E
L 0+00
5587950
5587950
5587850
O'Sullivan Lake
O'Sullivan Lake
O'Sullivan Lake
Cliff 4 metres
old DDH
Old trench no outcrop
#3
Conlon Occurrence
501500
501550
501600
Field survey by S. Parent
Data plotted by D. Beauchamp
Crossover point
Quadrature reading
In-phase reading
Seattle WA
Transmitter direction
Instrument direction
Station: Seattle WA
Instrument: Geonics EM-16
Instrument direction: South
VLF Profile
1 cm = 20%
Scale
0 10 20 40m
Superior Canadian Resources Inc.
NS-1, NS-2
VLF Survey
Aurum Project, O'Sullivan Lake, Ontario
Figure: 1-3
By: D.A. Beauchamp, P.Geol.
Date: 2004.08.28
Revised: 2004.09.25

Sampling and Assaying

As one would expect from a grassroots prospecting project, a good many samples were collected and assayed during the program duration.

A list of samples collected along with UTM co-ordinates and descriptions for each is found in appendix 13-8, Sample Information Table.

Assay (lab) results for those samples subjected to analysis for various elements is included in the form of Assay Certificates found in the appropriate Appendix (13-7) of this report.

No attempt to formally assimilate all of these data has been made yet. It is expected that this will be undertaken at the same time as the various geophysical data that have been collected, is formally analyzed. The results of both endeavours will be utilized as aids for future exploration planning.

A summary of Samples collected is found on the following page:

Sample Information Summary: PW + 9200-9300 series

The following 79 rock and 38 soil samples were subject to lab analysis for various elements as noted in the tables:

(Field) Sample numbers:

PW 1-11 incl.	rock
9201 – 9223	rock
9240 – 9278	soil
9301 – 9302	rock
9303 – 9323	rock
9339 – 9351	rock
9356 – 9365	rock
9366 – 9368	rock
Jonsmith 1 – 2	old core

Additional stripping /blasting / sampling after Wielezynski

VP Exploration (SCRI) visited the camp on June 27th and 28th. J. Davies, S. Parent and P. Wielezynski visited all project areas to date including the Gagnon area, all New Showings, Cryderman Penninsula and the Kowkash grid area.

Shortly after returning to head office Wielezynski produced a directive that effectively put a stop to the general project plans as originally contemplated.

A copy of that directive follows:

"AURUM PROJECT PRIORITY REVIEW AND WORK TO BE COMPLETED BY JULY 31, 2004"

I visited the Aurum camp June 27 & 28 and reviewed field activities since the beginning of the field season. Based on overall potential of the area, discussions I had with John Davies and Shaun Parent and initial assay results I decided on the following priorities:

Priority 1 – Kowkash Occurrence

- *Cut or clear approximately 5 km of new lines (sketched lines were provided on the original, new grid map and left in the camp) to better define mineral occurrences around trench T-7; trenches: T-1, T-2, T-3 and T-4 and drill holes: DDH 10 and DDH 20; trench T-9 and drill holes: DDH 4 and DDH 5; as well as trench T-10 (see attached maps 130 and 139)*

- *Trench T-7*

    - *the occurrence is associated with rusty, sometimes sheared mafic metavolcanic rocks and rusty quartz veins containing pyrite and chalcopyrite, arsenopyrite and pyrrhotite (common), marcasite/ melnikovite and native bismuth Bi (less common), sphalerite, cubanite and goethite (minor), bismuthinite and galena (trace),*
    - *grab samples, so far, yielded 0.66 to 0.98 oz/t Ag and 0.01 oz/t Au,*
    - *examine the showing in detail and collect more mineralized samples,*
    - *map it's possible extension to the south and north along EM conductor identified by previous ground geophysical survey (see*

attached map 130 and 139), by conducting magnetometer and EM-16 geophysical surveys; the above conductor was confirmed by recent Aeroquest survey (see attached maps 148a and 148b),

- *the drill hole DDH 11 (north of the trench) encountered chalcopyrite and pyrrhotite (2-4%) mineralization at various depths,*
- *map similar EM conductor to the NW of the trench (sub parallel to the first one), which is associated with very strong magnetic anomaly (see attached map 130 and 139) and never been evaluated by drilling before, it can open the area to the SW and NE,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous areas,*
- *provide GPS coordinates for the trench and DDH drilled*

➢ *Trenches: T-1, T-2, T-3, T-4 and drill holes: DDH 10 and DDH 20*

- *the occurrence is associated with rusty, sometimes sheared mafic metavolcanic rocks and rusty quartz veins containing pyrite and chalcopyrite, arsenopyrite and pyrrhotite mineralization,*
- *DDH 10 (0.16 oz/t Au over 45 ft of sludge) and DDH 20 (3.33 oz/t Au over 0.2 ft of core and 0.38 oz/t Au over 20 ft of sludge) – see attached map 130 and 139,*
- *examine the showings in detail and collect more mineralized samples,*
- *map it's possible extension to the SE, NW and perhaps NE, passed DDH 20, by conducting magnetometer and EM-16 geophysical surveys,*
- *the entire area is associated with very strong magnetic high (see attached map 139),*
- *the drill holes drilled in the area encountered disseminated chalcopyrite and pyrrhotite at various depths,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous areas,*
- *provide GPS coordinates for trenches and DDH drilled*

➢ *Trench T-9 and drill holes: DDH 4 and DDH 5*

- *the occurrence is associated with rusty, sometimes sheared mafic metavolcanic rocks and rusty quartz veins containing pyrite and chalcopyrite, arsenopyrite and pyrrhotite mineralization,*
- *DDH 4 (7.99 oz/t Au over 0.3 ft of core) and DDH 5 (1.06 oz/t Au*

over 0.5 ft of core),

- *the area extends from the previous occurrence along the diabase dyke,*
- *examine the showing in detail and collect more mineralized samples,*
- *determine extension to the NE and SW of the mineralization identified in DDH 4 & 5, by conducting magnetometer and EM-16 geophysical surveys,*
- *map EM conductor situated north of DDH 4 & 5 and extending to the NE pass trench T-10 and associated with strong magnetic anomaly (see attached map 139),*
- *this conductor has been evaluated only by one drill hole DDH 6, which encountered mineralized rhyolite with chalcopyrite and pyrrhotite and sheared chloritic andesite and porphyry dyke closely resembling porphyry dyke adjacent to gold bearing quartz vein in DDH 4 & 5,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *provide GPS coordinates for the trench and DDH drilled*

➢ *Trench T-10*

- *the occurrence is associated with rusty, mainly massive, mafic metavolcanic rocks containing pyrite and chalcopyrite, arsenopyrite and pyrrhotite mineralization,*
- *grab samples, so far, yielded 5.14 to 15.01% Cu, 3.82 to 8.14 oz/t Ag and 0.01 to 0.04 oz/t Au.*
- *examine and analyze the occurrence in detail, collect more mineralized samples,*
- *conduct magnetometer and EM-16 geophysical surveys to determine the extension of the mineralized zone to the north, south and perhaps east (see attached map 139),*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *provide GPS coordinates for the trench*

➢ *Area north of the trench T-10*

- *the area is underline by mafic metavolcanic rocks,*
- *the Aeroquest survey over this area displays numerous magnetic and NW-SE trending TEM anomalies (see attached map 148b and 148c), that should be examine on the ground,*

- *the most interesting area from the geophysical point of view is situated at the intersection of flight line L 230 and tie line T 9908, the anomaly looks very similar to the anomaly over the Louanna Mine,*
- *map and prospect the area to see if some of these anomalies are caused by MVS or disseminated mineralization,*
- *if found, conduct magnetometer and EM-16 geophysical surveys to determine the extension of the mineralized zones,*
- *pay special attention to the sheared zones,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area*

Priority 2 – Crydyman Peninsula and islands between peninsula and patented claims (Farley Island, Camdeck and Crydyman Occurrences)

- *the occurrences are associated with sheared quartz porphyry, carbonate-quartz crystalline schist (listvenite?) and rusty quartz veins containing arsenopyrite (dominant), pyrite (common), galena, chalcopyrite, sphalerite (minor), cubanite and covelite (trace),*
- *grab samples collected on Farley Island and Crydyman Peninsula yielded up to 0.2 oz/t Au*
- *map and prospect the area to see if some of these earlier identified EM conductors (see attached map 138) and Aeroquest TEM and magnetic anomalies are caused by MVS or disseminated mineralization,*
- *if found, conduct magnetometer and EM-16 geophysical surveys to determine the extension of the mineralized zones,*
- *conduct stripping of the overburden,*
- *pay special attention to the sheared zones,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *at the end we would have to make a decision as to possibility of staking some additional claims,*
- *locate 11 DDH drilled in the area and provide their GPS coordinates*

Priority 3 – Frank Gagnon Occurrence

- *the occurrence is associated with rusty, sometimes sheared mafic metavolcanic (silicified actinolite schist), quartz porphyry rocks and rusty quartz veins containing pyrrhotite, melnikovite/*

marcasite, chalcopyrite, pyrite and goethite (common), arsenopyrite (less common),

- *grab samples collected yielded up to 35.86 oz/t Ag, up to 0.26 oz/t Au and up to 8.9% Cu,*
- *map and prospect the area to see if some of these earlier identified EM conductors and magnetic anomalies are caused by MVS or disseminated mineralization (see attached map 137),*
- *if found, conduct magnetometer and EM-16 geophysical surveys to determine the extension of the mineralized zones,*
- *pay special attention to the sheared zones,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *locate trenches and 3 DDH drilled in the area, provide their GPS coordinates*

Priority 4 – Copper Jim Occurrence

- *the occurrence is associated with rusty, sometimes sheared mafic metavolcanic rocks and rusty quartz veins containing pyrrhotite, chalcopyrite, pyrite and arsenopyrite mineralization,*
- *grab samples collected yielded up to 35.86 oz/t Ag, up to 0.26 oz/t Au and up to 8.9% Cu (see attached map 138),*
- *map and prospect the area to see if some of these earlier identified EM conductors and magnetic anomalies are caused by MVS or disseminated mineralization,*
- *if found, conduct magnetometer and EM-16 geophysical surveys to determine the extension of the mineralized zones,*
- *pay special attention to the sheared zones,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *locate 7 DDH drilled in the area, provide their GPS coordinates*

Priority 5 – Northeast Arm of O'Sullivan Lake, New Occurrences identified by Shaun (NS-1, 60 m from Conlon Occurrence, NS-2, NS-3, NS-4 and NS-5)

- *all of these occurrences are associated with rusty, sheared, mafic metavolcanic rocks and rusty quartz veins containing chalcopyrite, arsenopyrite, sphalerite and pyrite mineralization,*
- *grab samples collected yielded up to 0.025 oz/t Au (see attached map 137),*

- *map and prospect the area to see if some of these earlier identified EM conductors and magnetic anomalies are caused by MVS or disseminated mineralization,*
- *pay special attention to the sheared zones,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *locate trenches and DDH drilled in the area, provide their GPS coordinates*

Priority 6 – Hurd Lake Occurrences (Northeast Zone, Cell C Area)

- *all of these occurrences are associated with rusty, sheared, mafic metavolcanic and in some cases quartz porphyry rocks and rusty quartz veins containing chalcopyrite, arsenopyrite, sphalerite and pyrite mineralization,*
- *grab samples collected yielded up to 0.07 oz/t Au and 0.59% Cu,*
- *3 DDH drilled yielded 0.41 to 0.7% Ni and 0.54 to 1.09% Cu over averaged 5 ft,*
- *map and prospect the area to see if some of these earlier identified EM conductors and magnetic anomalies are caused by MVS or disseminated mineralization (see attached map 145),*
- *pay special attention to the sheared zones,*
- *conduct stripping of the overburden,*
- *collect samples of any mineralized rocks and if outcrops are not available collect soil samples to determine geochemically anomalous area,*
- *locate trenches and DDH drilled in the area, provide their GPS coordinates*

Peter L. Wielezynski

8 Attachments

July 14, 2004

The 2004 summer field Work program had to be terminated on July 31st due to budget constraints, therefore not all of Wielezymski's directives were able to be accomplished.

The following discussion will outline what was able to be done during this approximate 2 week period.

Persons involved in the work during this project were as follows:

Washing, stripping, sawing: Blake Mendowegan, David Besson, Ian McCutchon, Paul Beckett.
Sample collecting: Shaun Parent, Paul Beckett, Dave Christianson, Ian McCutchon, Blake Mendowegan, David Bisson.
Blasting: Dave Christianson, Blake Mendowegan, David Besson, Ian McCutchon.

....dates worked as per Personnel Information Table in Appendix 13-5.

Work commenced on this phase of the program on July 17th with stripping (cleaning up sample sites), washing as required.

A supply of blasting materials was picked up on July 23rd and blasting and sampling commenced shortly then after.

Sites that were amenable to channelling with a rock saw were washed and an approximately 2" wide channel was sawn across outcrop as shown on sample location sketches. Sample location sketches for the 9400 series samples are shown in the figures following the information table below.

Details concerning the location of these particular areas are noted in the '***Additional stripping/washing/blasting/sampling information Table***' as follows.

Sample #	**Wpt. #**	**Location: Northing/ Easting**	**Comments**
9401	**179**-1	90 cm's S of wpt.	(**Kowkash.**) 1 of 8 samples, Samples of fresh blasted rock, near this wpt
9402	179-2	5587838 / 0497484	2 of 8,
9403	179-3	70 cm N of 9402	3 of 8,
9404	179-4	100 cm N of 9403	4 of 8,
9405	179-5	80 cm N of 9404	5 of 8,
9406	179-6	80 cm N of 9405	6 of 8,
9407	179-7	Samp site = 6.m E of 9406	80 cm's N from 6.2 m E
9408	179-8	" " "	80 cm's S from 6.2 m E
9409	**180**-1	5588110 / 0497572	1 of 4 samples near this wpt. Samples of fresh blasted rock.
9410	180-2	90 cm's WNW of wpt	2 of 4
9411	180-3	70 cm's WNW of 9410	3 of 4

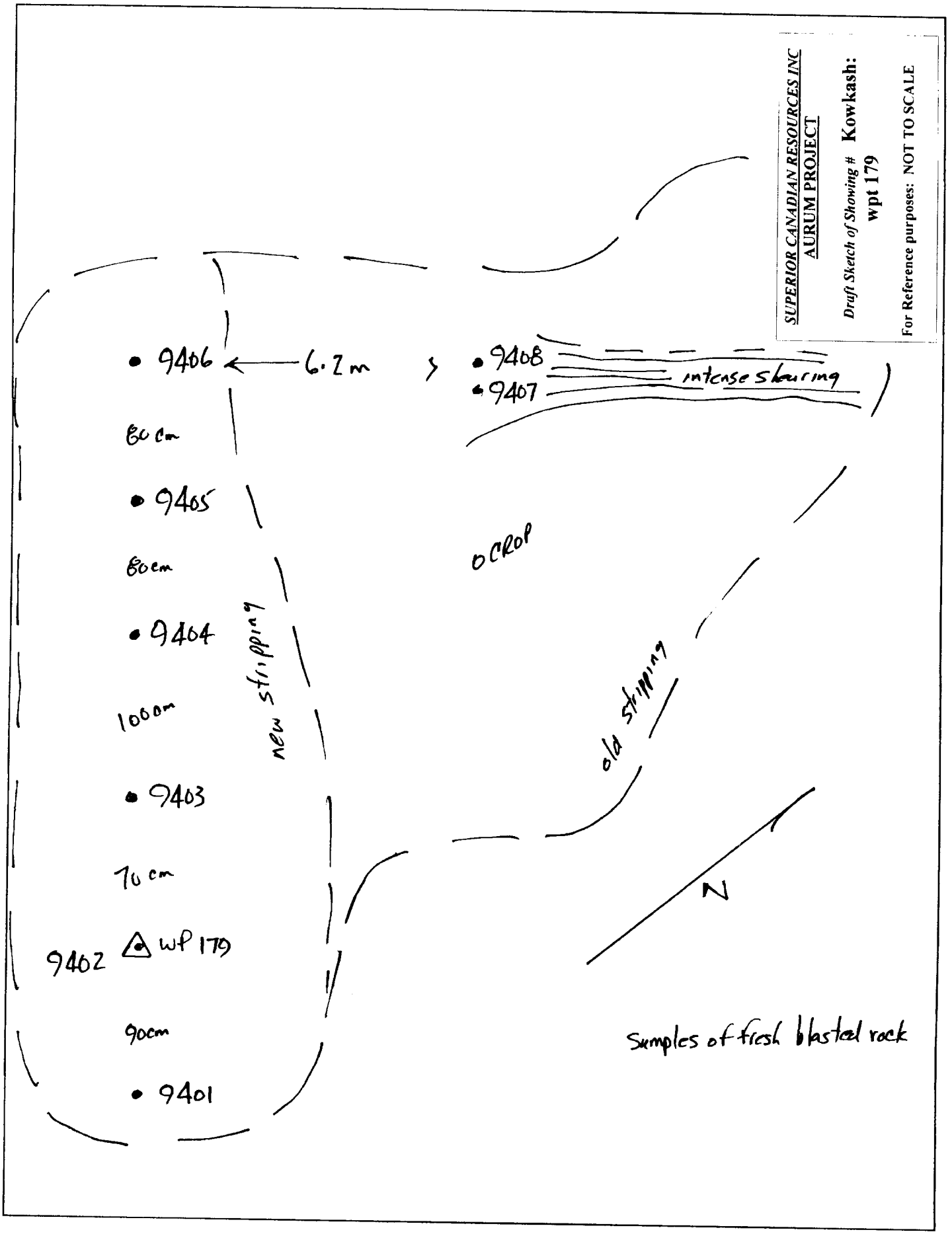
9412	180-4	60 cm's WNW of 9411	4 of 4
9413	**181**-1	5588167 / 0497555	1 of 4 near this wpt. Samples of fresh blasted rock.
9414	181-2	20 cm's NW of 9413	2 of 4
9415	181-3	20 cm's NW of 9414	3 of 4
9416	181-4	20 cm's NW of 9415	4 of 4
9417	**182**-1	2 m S of 5588175 / 0497622	1 of 4 near this wpt. Samples of fresh blasted rock.
9418	182-2	30 cm's N of 9417	2 of 4
9419	182-3	2 m N of wpt.	3 of 4
9420	182-4	30 cm's W of 9419	4 of 4
9421	**183**-1	5585858 / 0494668	1 of 3 Samples of frsh blasted rock.
9422	183-2	Approx.30 cm's E of wpt	2 of 3
9423	183-3	Approx. 30 cm's SW of wpt	3 of 3
9429	**185**	5585748 / 0494543	(**Cryderman 2.**) 30 cm sawn channel sample
9432	**186**-1	5585954 / 0495427	1 of 10, 10 samps @ 30 cm intervals ESE from wpt. Sawn channel samples
9433	186-2	30 cm's ESE from 9432	2 of 10
9434	186-3	30 cm's ESE from 9433	3 of 10
9435	186-4	30 cm's ESE from 9434	4 of 10
9436	186-5	30 cm's ESE from 9435	5 of 10
9437	186-6	30 cm's ESE from 9436	6 of 10
9438	186-7	30 cm's ESE from 9437	7 of 10
9439	186-8	30 cm's ESE from 9438	8 of 10
9440	186-9	30 cm's ESE from 9439	9 of 10
9441	186-10	30 cm's ESE from 9440	10 of 10
9442	**187**-1	5585706 / 0497535	1 of 7 Samples rom sawn channel
9443	187-2	30 cm's SSE from wpt	2 of 7
9444	187-3	30 cm's SSE of 9443	3 of 7
9445	187-4	30 cm's SSE of 9444	4 of 7
9446	187-5	20 cm SSE of 9445	5 of 7 (qtz vein)
9447	187-6	10 cm's SSE of 9446	6 of 7
9448	187-7	30 cm's SSE of 9447	7 of 7
9449	**192**-1	5585965 / 0495433	(**Farley Island**) 1 of 6 Samples from sawn channel
9450	192-2	30 cm's NW of 9449	2 of 6
9451	192-3	30 cm's NW of 9450	3 of 6
9452	192-4	30 cm's NW of 9451	4 of 6
9453	192-5	30 cm's NW of 9452	5 of 6
9454	192-6	30 cm's NW of 9453	6 of 6
9455	**188**-1	5585705 / 0497520	(**Rusty Point**) 1 of 5 Samples from sawn channel
9456	188-2	30 cm's S of 9455	2 of 5
9457	188-3	30 cm's S of 9456	3 of 5
9458	188-4	30 cm's S of 9457	4 of 5
9459	188-5	30 cm's S of 9458	5 of 5
9460	**189**-1	5585709 / 0497536 (5 m N of wpt 187)	1 of 6 Samples from sawn channel
9461	189-2	30 cm's E of 9460	2 of 6
9462	189-3	30 cm's E of 9461 (sm qtz vein)	3 of 6
9463	189-3	30 cm's E of 9462	4 of 6
9464	189-4	30 cm's E of 9463	5 of 6
9465	189-5	Sm qtz vein	6 of 6

9466	**190**-1	5585750 / 0497534 (15 m E of 189)	1 of 4 Samples from sawn channel
9467	190-2	30 cm's S of 9466	2 of 4
9468	190-3	30 cm's S of 9467	3 of 4
9469	190-4	30 cm's S of 9468	4 of 4
9470	**194**-1	5587077 / 0501808	(**Gagnon main showing**) 1 of 2 Samples from sawn channel
9471	194-2	30 cm's N of 9470	2 of 2
9472	**195**-1	5587288 / 0502157	(**Gagnon Bat cave [NS 6]**) 1 of 2 Samples from sawn channel
9473	195-2	20 cm's WNW of 9472	2 of 2

66 samples

The following 'Location' sketches. These 'sketches' are provided for the purpose of identifying accurate locations for sample points relative to CDGPS corrected UTM waypoint data which is included in the preceding information table.

Please note: these sketches are not drawn to any particular scale.


SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT
Draft Sketch of Showing # Kowkash: wpt 179
For Reference purposes: NOT TO SCALE
9406
6.2m
9408
9407
intense shearing
60 cm
9405
60cm
9404
100cm
9403
70 cm
9402
wp 179
90cm
9401
new stripping
old stripping
outcrop
N
samples of fresh blasted rock

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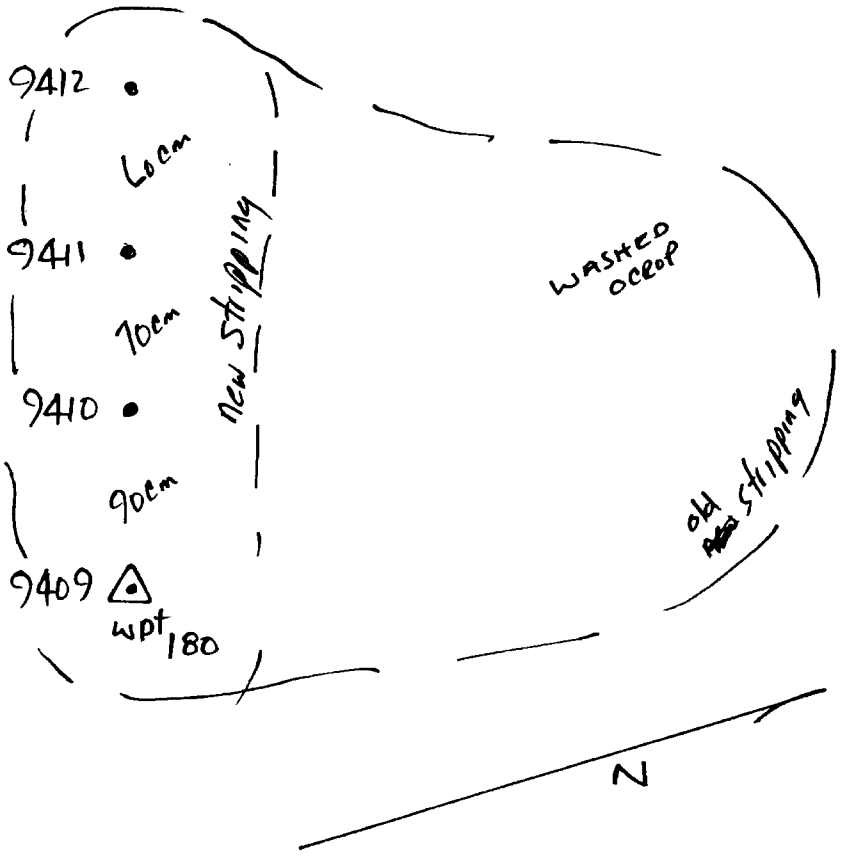
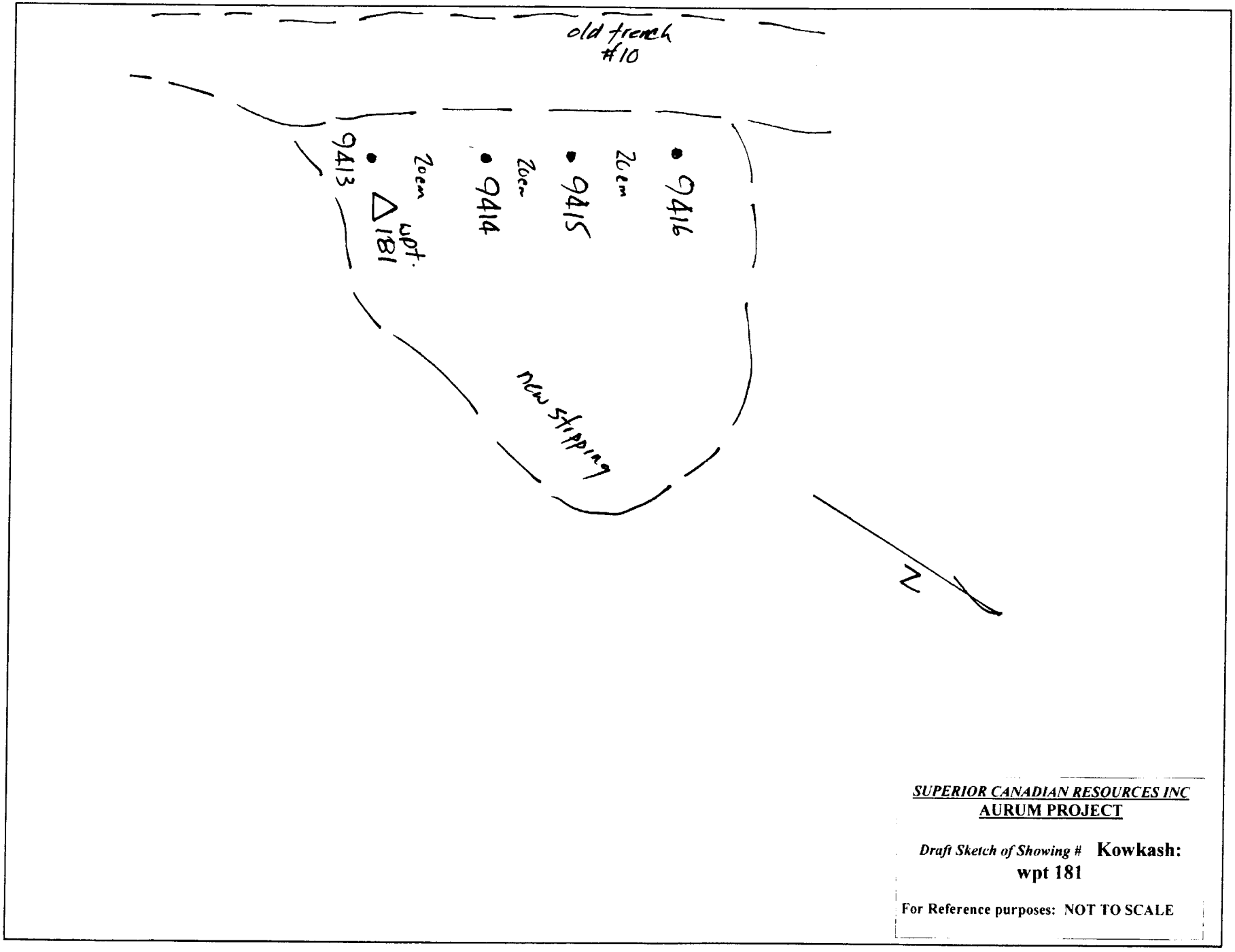
Draft Sketch of Showing # **Kowkash: wpt 180**

For Reference purposes: NOT TO SCALE



Samples of fresh blasted rock



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Draft Sketch of Showing # **Kowkash: wpt 181**

For Reference purposes: NOT TO SCALE

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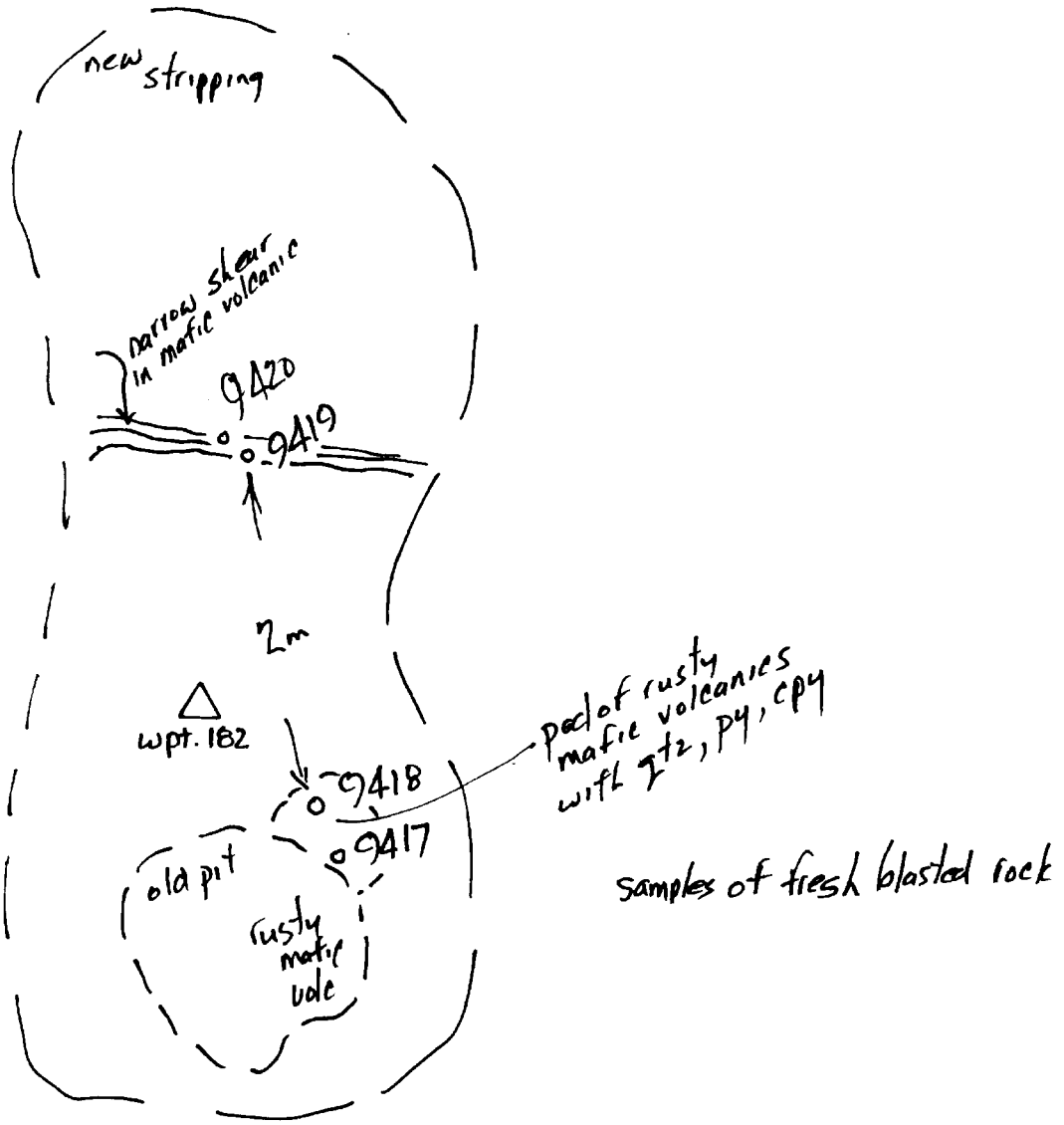
Draft Sketch of Showing # **Kowkash: wpt 182**

For Reference purposes: NOT TO SCALE



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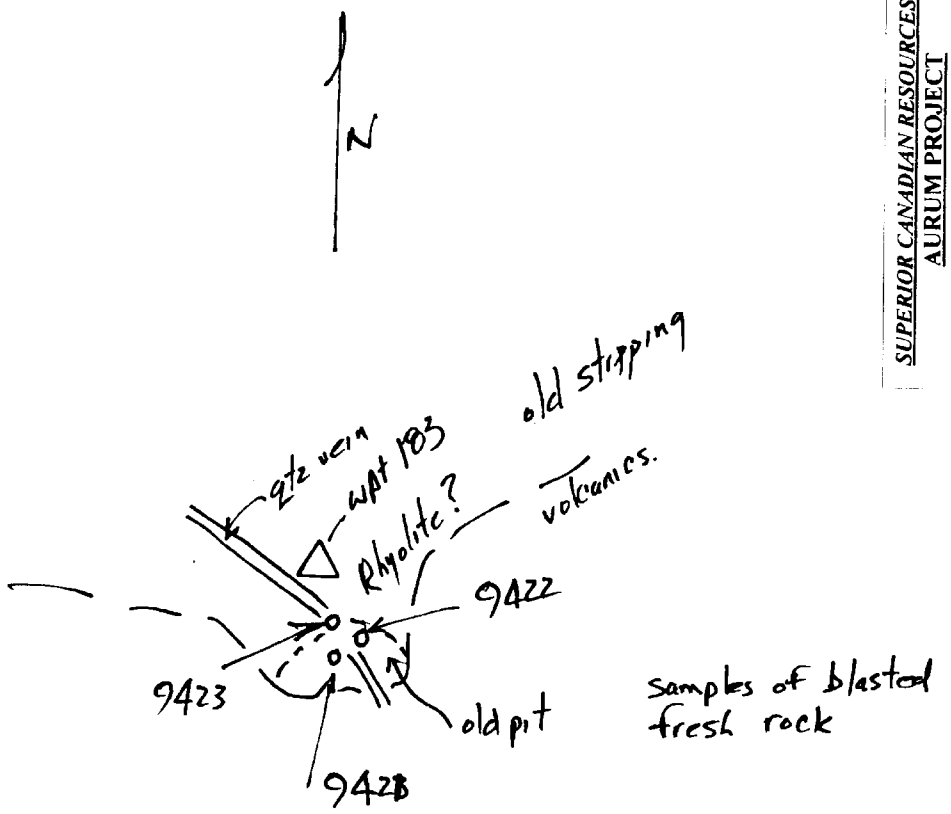
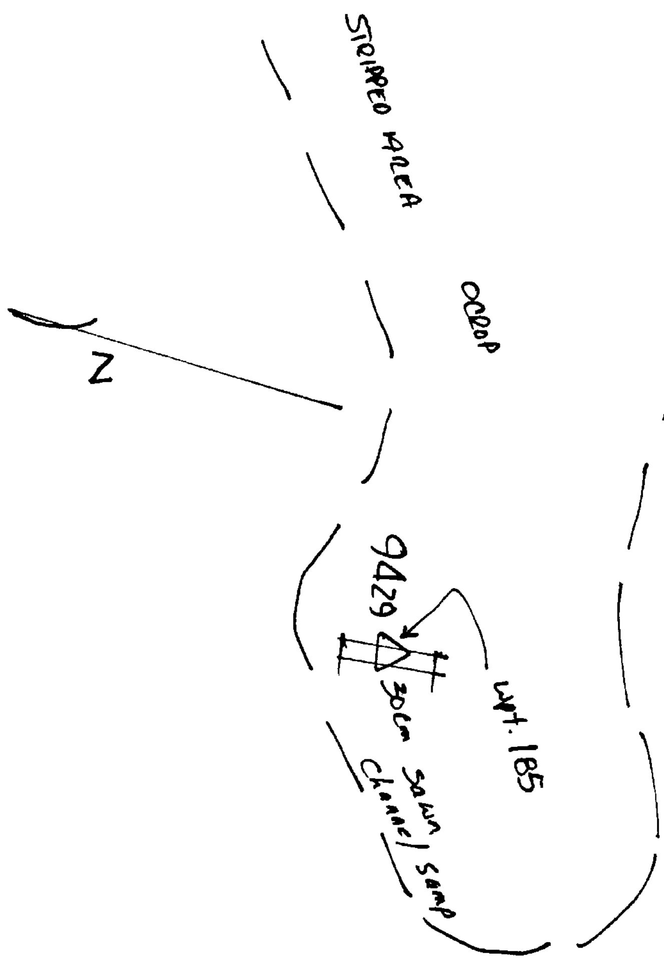
Draft Sketch of Showing # **Kowkash: wpt 183**

For Reference purposes: NOT TO SCALE



82



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AURUM PROJECT

Draft Sketch of Showing # **Cryderman 2: wpt 185**

For Reference purposes: NOT TO SCALE

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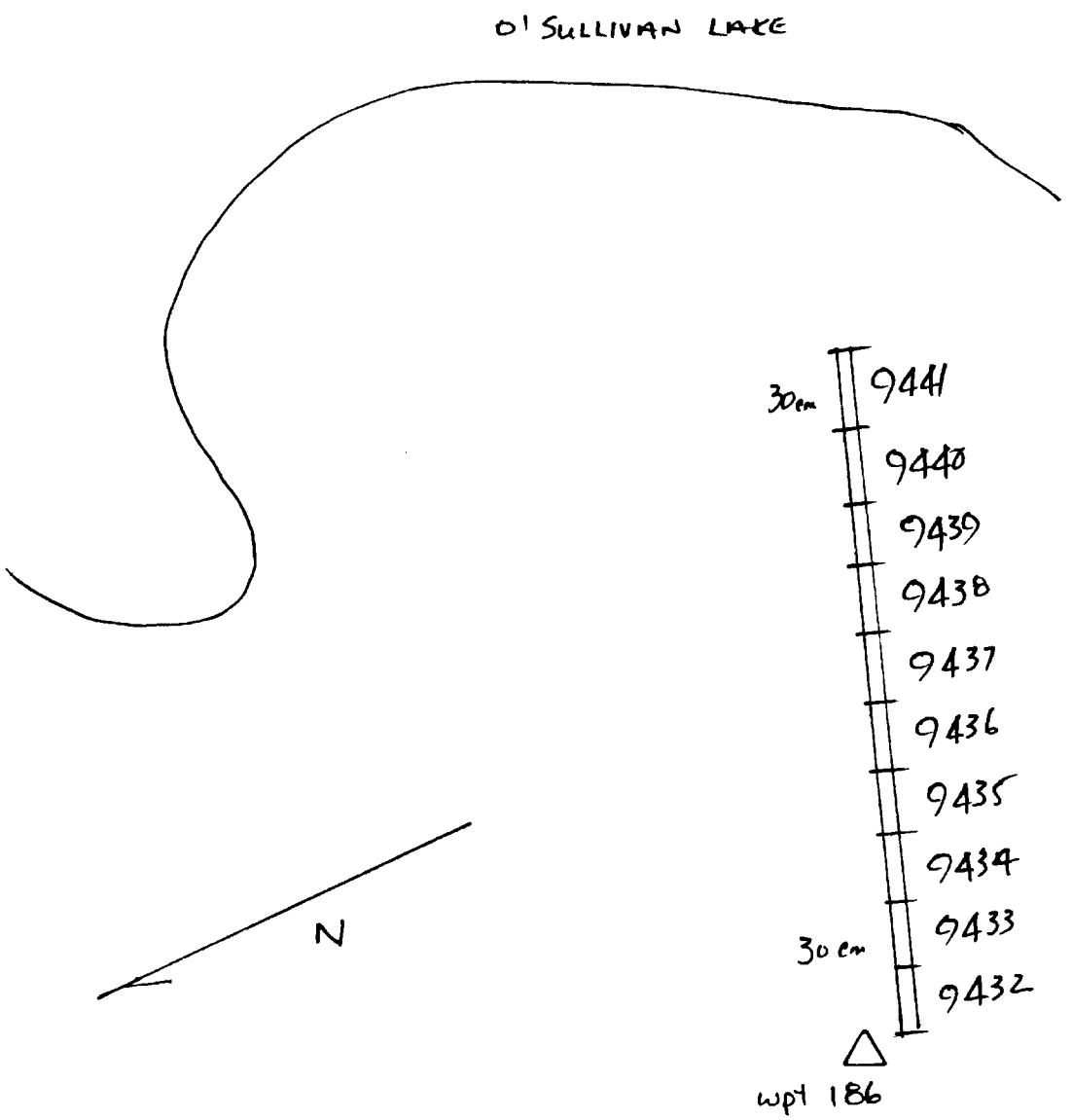
Draft Sketch of Showing # Cryderman 2: wpt 186

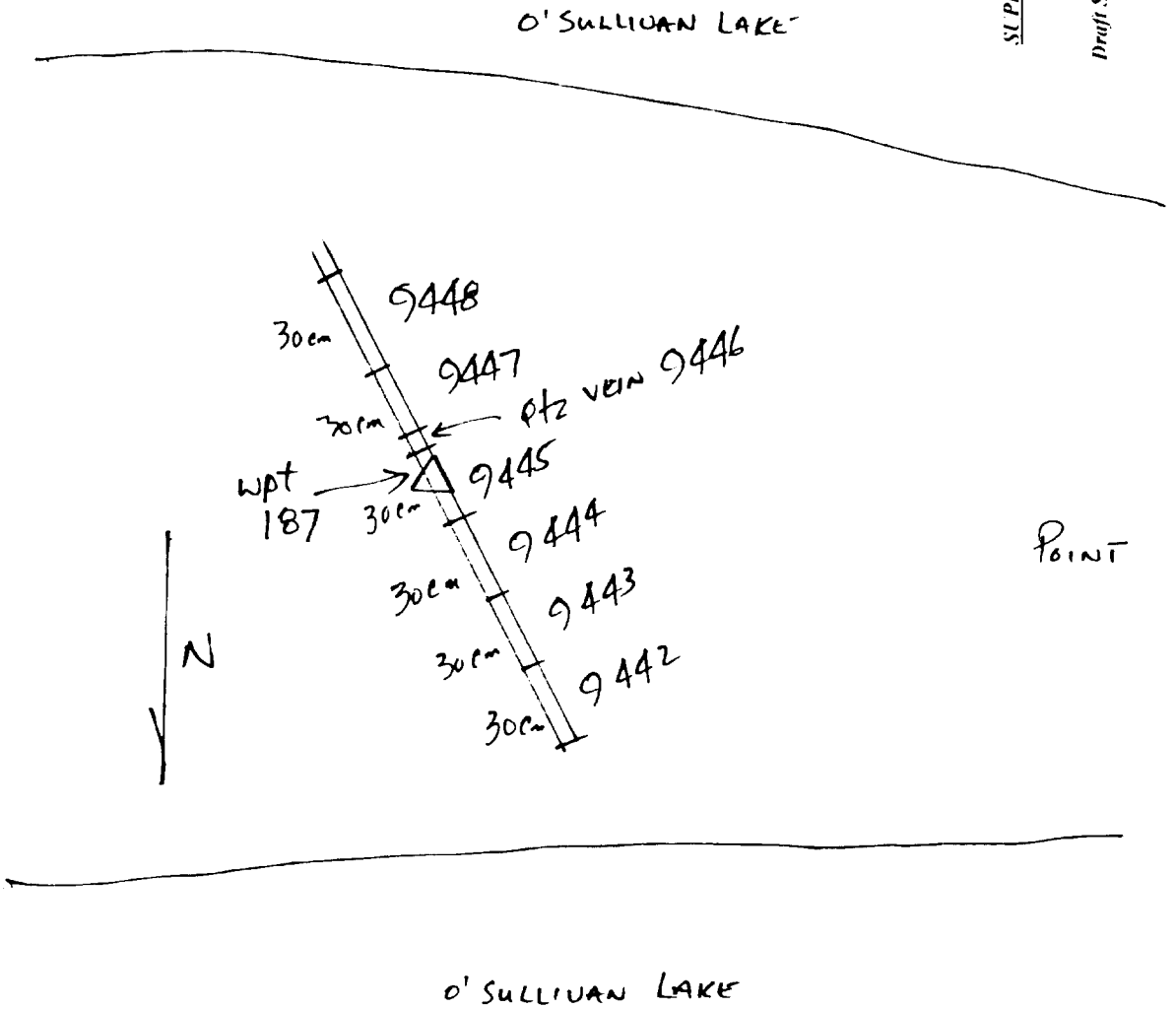
For Reference purposes: NOT TO SCALE

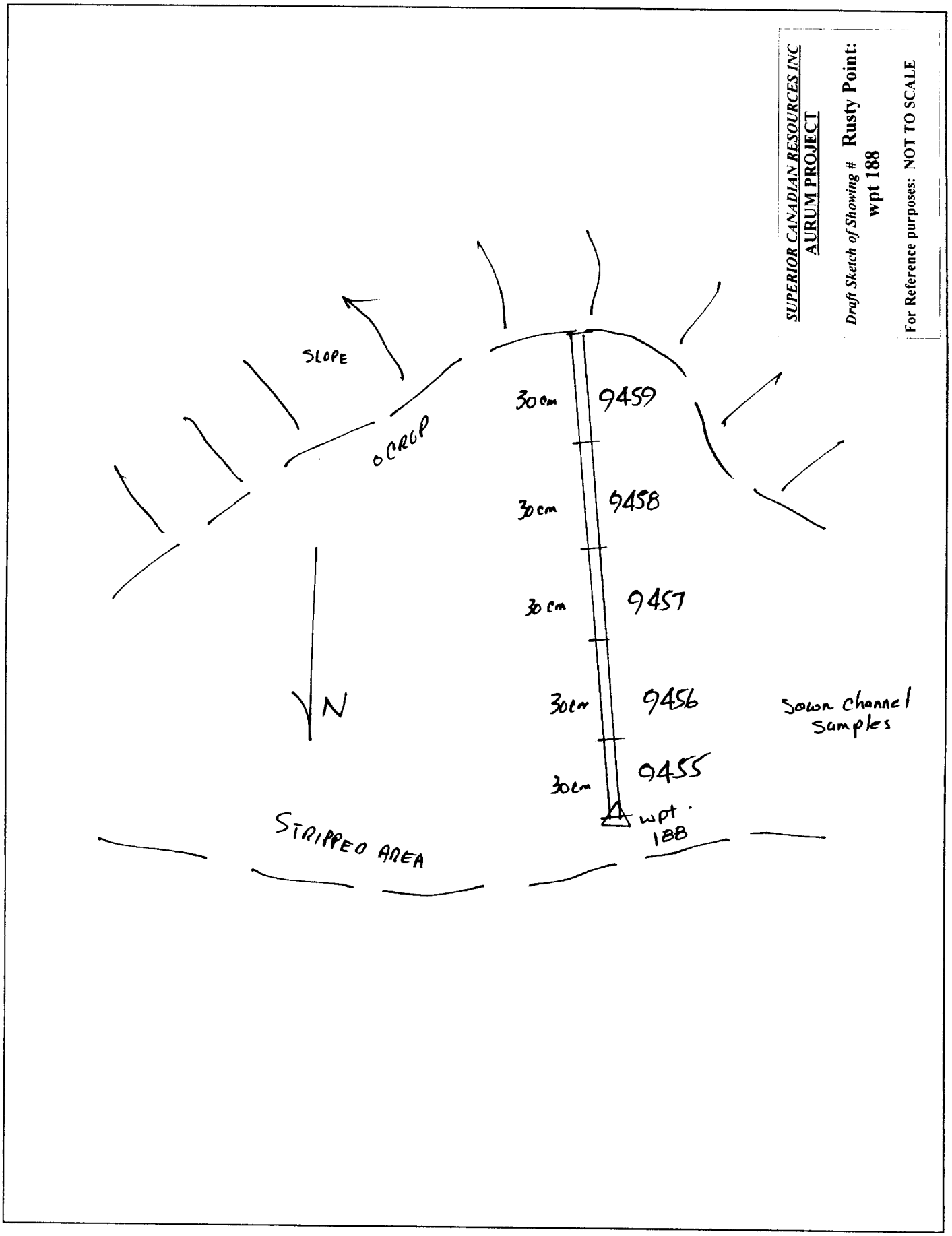


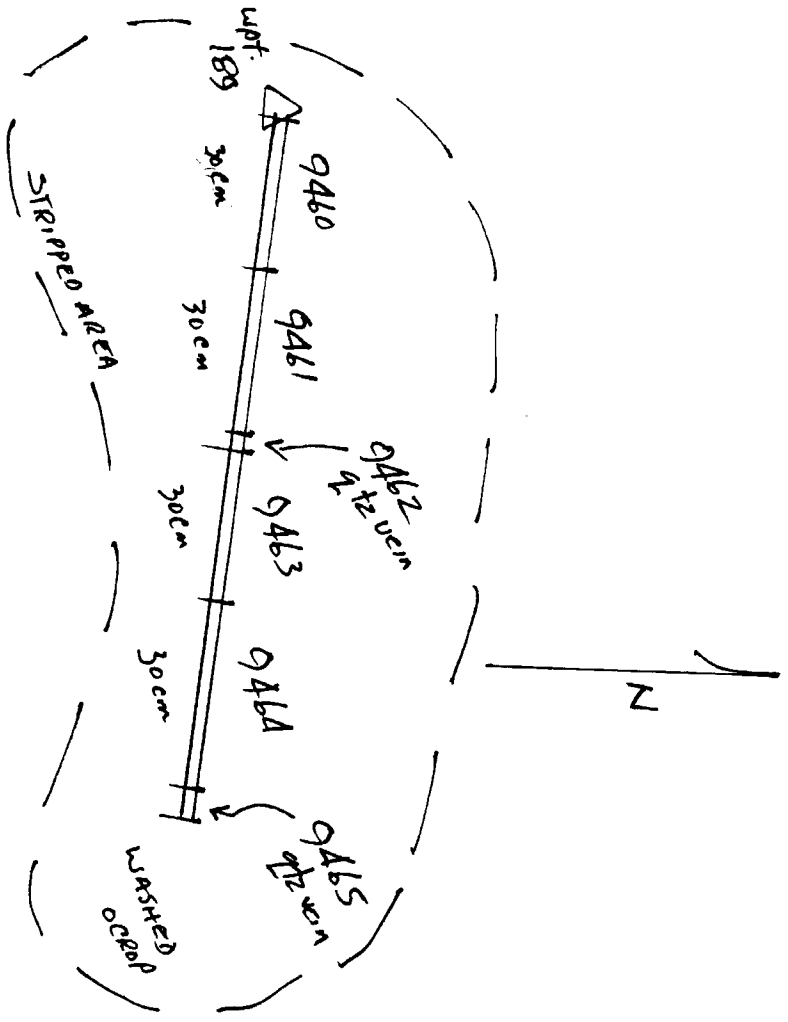
SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT

Draft Sketch of Showing # **Cryderman 2: wpt 187**

For Reference purposes: NOT TO SCALE




SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT
Draft Sketch of Showing # Rusty Point: wpt 188
For Reference purposes: NOT TO SCALE
SLOPE
OCROP
30cm 9459
30cm 9458
30cm 9457
30cm 9456
30cm 9455
wpt 188
N
Sawn Channel Samples
STRIPPED AREA



SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT

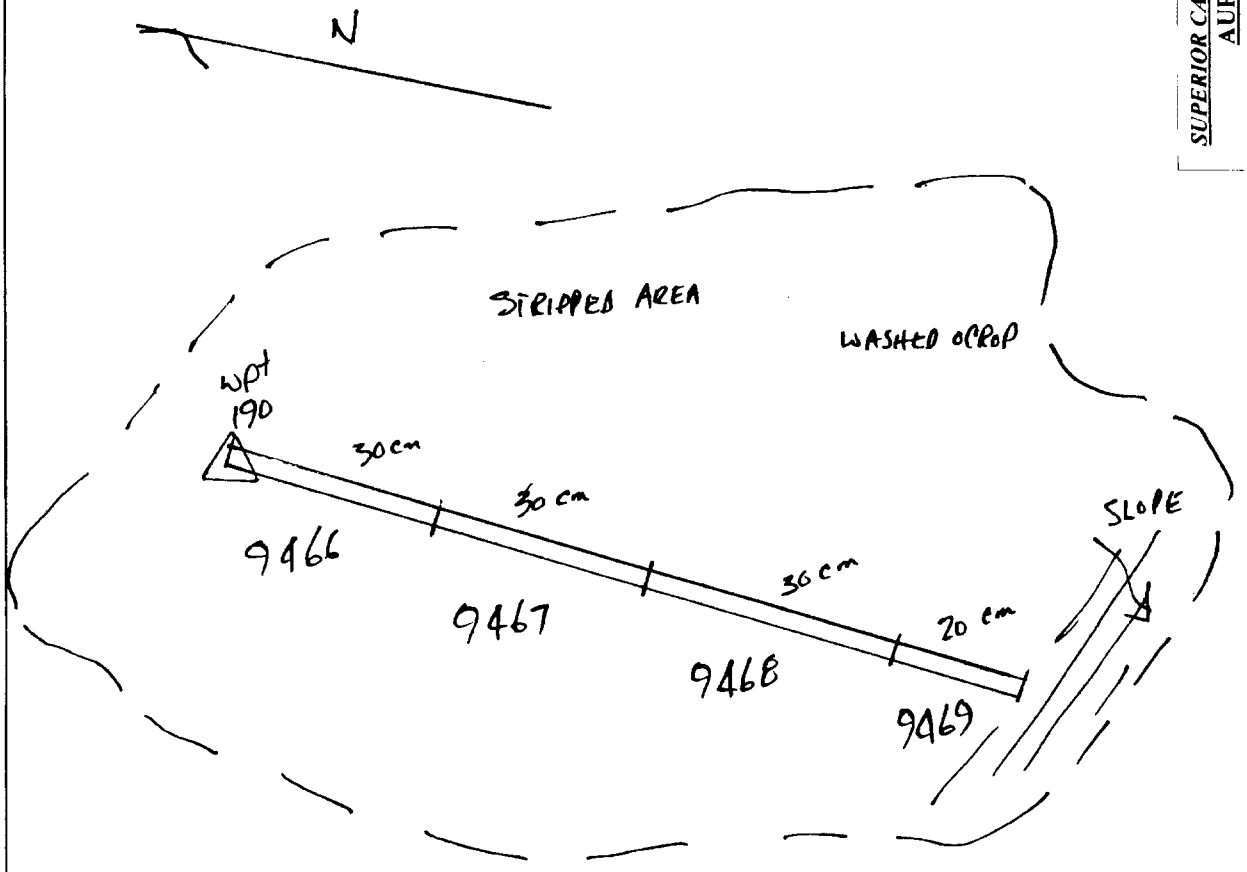
Draft Sketch of Showing # **Rusty Point: wpt 189**

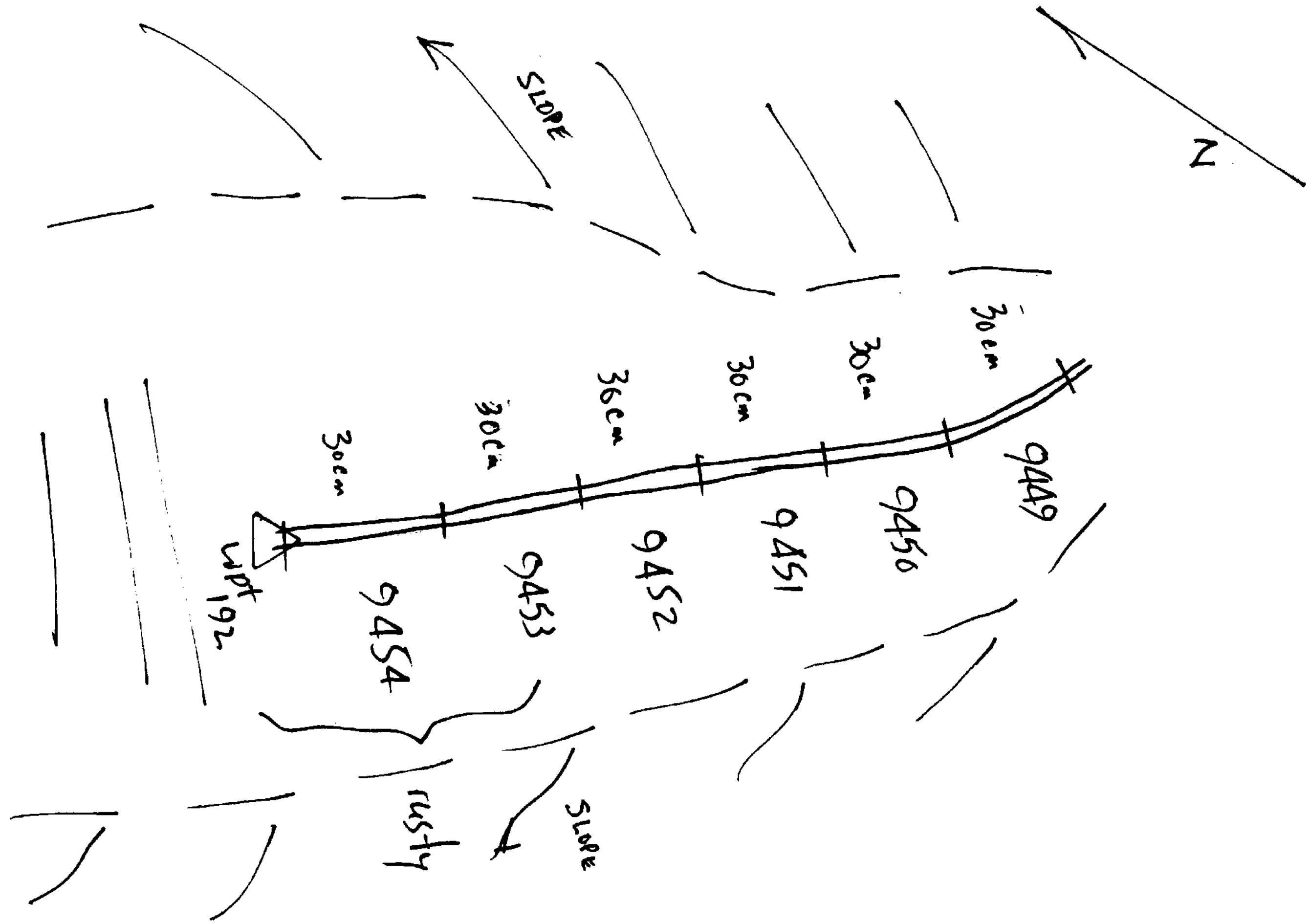
For Reference purposes: NOT TO SCALE

SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT

Draft Sketch of Showing # **Rusty Point: wpt 190**

For Reference purposes: NOT TO SCALE





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AURUM PROJECT

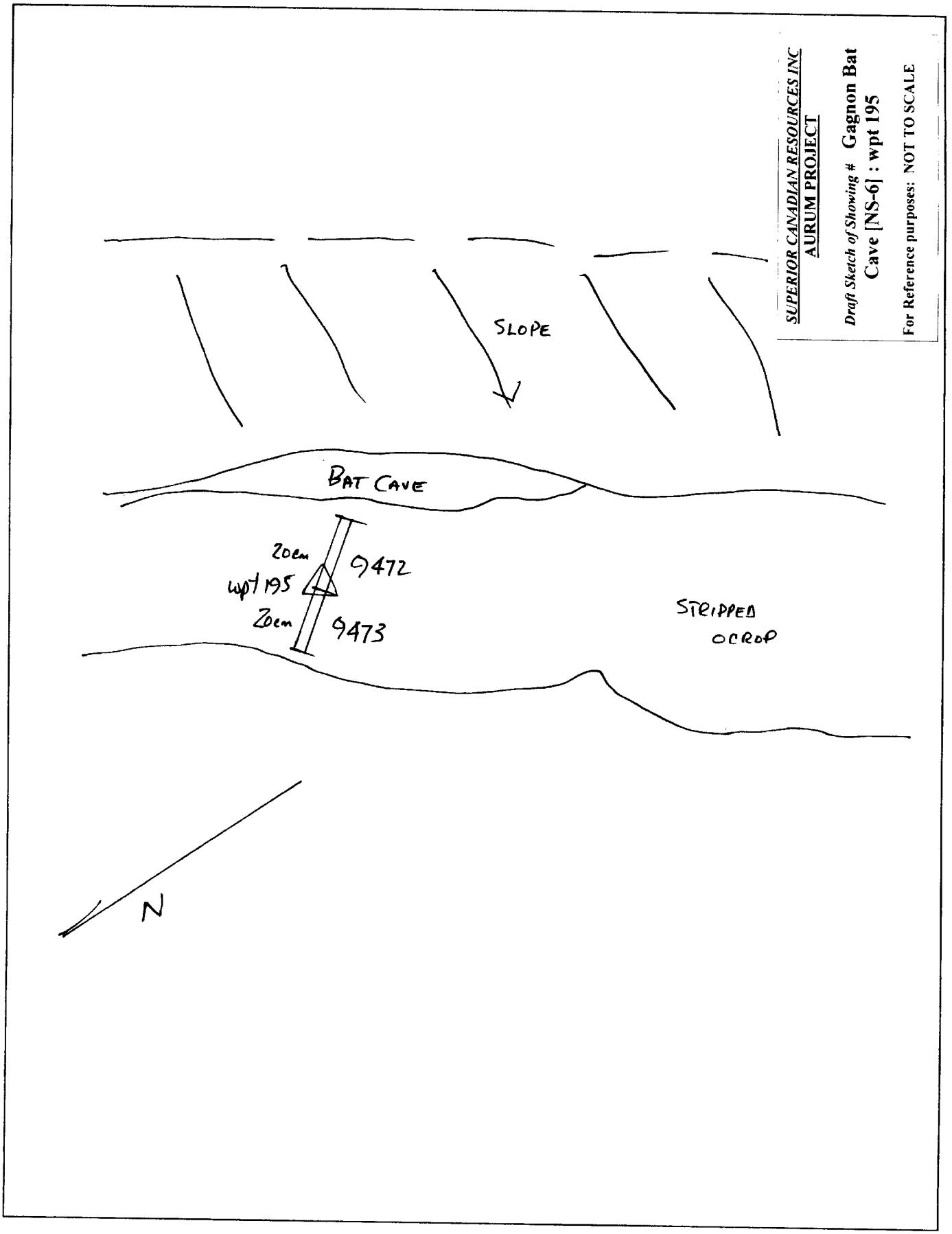
Draft Sketch of Showing # **Farley Island: wpt 192**

For Reference purposes: NOT TO SCALE

SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT

Draft Sketch of Showing # **Gagnon main showing : wpt 194**

For Reference purposes: NOT TO SCALE


SUPERIOR CANADIAN RESOURCES INC
AURUM PROJECT
Draft Sketch of Showing # Gagnon Bat Cave [NS-6] : wpt 195
For Reference purposes: NOT TO SCALE
SLOPE
BAT CAVE
20cm
wpt 195
20cm
9472
9473
STRIPPED
OCROP
N

Sample Description Table: 9400 Series Samples, Aurum Project 2004

Sample #	Description
9401	Basalt, massive, f.g. small clots chlorite. Reacts to Hcl. Some fine dissem sulphides, mostly py. Some small qtz crystals. Rock is dark grey/black colour.
9402	Mixed sample. Dark grey/black, f.g. volc. Some sheared, some not. Rusty (not magnetic). No vis min. No react to Hcl
9403	Volc. Black, f.g. (Basalt) with qtz and carbonate stringers and blebs/crystals (chlorite?). Some minor sulphide mineralization, mostly py. Not magnetic.
9404	Volc. Black/green f.g. (Basalt) No vis min. Massive. Unaltered, no shearing.
9405	Similar to 04 above. Fairly massive. F.g. black,/green volc with seams carbonate?. 1-2% dissem sulphides, cubes py and some cpy?
9406	Similar to 05 above. A few more sulphides (py), more fine qtz/carb stringers. Reacts to Hcl.
9407	Basalt, sheared, alterated/foliated, black rock. Carbonate rich (strong react to Hcl) plus minor sulphides (py). Some qtz blebs and crystals.
9408	Similar to 9407. Basalt, sheared/foliated black. Some minor sulphides. No react to Hcl. Not magnetic.
9409	Same as 08 and 9410. Dissem sulphides. Not magnetic. No react Hcl
9410	Basalt, rusty, qtz flooded. Some py min. similar to 9408
9411	Basalt. Foliated/altered. Some qtz with carb stringers (Hcl react). No vis min. Not magnetic.
9412	Similar to 9411. Qtz rich with some minor cubes py. Carb stringers and black and rusty mineral.
9413	Basalt, dark green/black. Some fine seams carb (Hcl) Dissem sulphides Po (lightly magnetic)
9414	Basalt, f.g. black. Fine seams carb (Hcl). Splashes py and dissem py, Po., cpy. Locally magnetic.
9415	Same as 9414. more sulphide mineral (po) locally magnetic. Little carb.
9416	Volc., grey/green, f.g. carb flooded. Seams & inclusions of carbonate. Up to 2% very fine dissem sulphides py, cpy
9417	Basalt, v.f.g. dense black rock. Lightly silicified, vugs contain rotting sugary qtz with biotite?. Weathers to rusty brown surface. No react to Hcl.
9418	Similar to 9417, some fresher qtz with fine specks sulphides py, cpy and possibly aspy. Rock is very brittle and fractures in many planes.
9419	Similar to 9418 with significantly more fine dissem sulphides (up o 10%) py, po, cpy, & aspy. No react to Hcl. Locally magnetic.
9420	Similar to 9419 ets with fewer sulphides. Slightly more silicification. No react to Hcl. Highly magnetic. Fracture planes include rotting vuggy, sugary qtz.
9421	QFP?, altered, blebs & crystals sulphides, mostly py, some cpy and steel grey min (aspy?) in qtz. Some hematite and other brown (ankerite?) alteration. Qtz phenocrysts. Very light react (local) to Hcl.

	Not magnetic.
9422	Qtz veins in sheared volc matrix. Grey colour. Brown rusty rind. Lg (10mm) blebs and crystals py in qtz. Some arsenopyrite (aspy) in qtz. Not magnetic. Very light local react to Hcl.
9423	Felsic? Volc., highly altered/sheared/foliated (or altered QFP ?) Much brown (ankerite?) alteration. Some broken qtz crystals, blebs sulphides up to 5 mm, mostly py. Brown surface rind.
9424	Volc. Felsic?, light green, some fine dissem sulphides. White rind on surface. More qtz, less chlorite, low Hcl reaction. Some brown frat filling/alteration ankerite?
9425	Volc., silicified, light green/grey, very sparse f.g. sulphides, some larger blebs Po. White rind on surface. Some black fracture filling. Very light reaction to Hcl.
9426	Volc., qtz rich, highly silicified, dull white with grey/brown. Some hematite alt along fracture planes and on surface. Sparse sulphide mineralization, specks aspy. Very light react to Hcl. Many black, vuggy vertical-trending fractures (biotite?)
9427	Volc., very f.g. massive, grey/green , no vis min. Fine black hairline fractures. High reat to Hcl. Not magnetic.
9428	Same as 9449. volc, felsic?, f. grained, light green, few sulphides, much chlorite (clots and blebs), some black mineral associated with chlorite clots (biotite?)
9430	Volc, silicified, light green/grey, very sparse sulphides, some qtz stringers/phenocrysts. Much black min (biotite?). Local high react to Hcl. Brown colour surface rind, not magnetic.
9431	Volc. Light green, intensely sheared, carb flooded and carb seams. Strong react to Hcl. Some more felsic bands (vertical) with qtz and specks/blebs sulphides (py)
9432	Similar to 9431. Slightly less sheared but appears otherwise altered (foliated?). Carb flooded with seams of brown carb. Appears to include some form of altered QFP that weathers more quickly. Some Qtz veining. Surface rind is thick, brown and rusty.
9433	Sim to 9432. less sheared/foliated. More massive. No evid of QFP incl. some minor specks sulphides and QTZ veining.
9434	Volc. F.G. massive to lightly sheared. Light green. Vert shear planes/fractures contain carb and/or another black mineral. Some fine sulphides in rock mass. Rock is more 'felsic'? bleached looking.
9435	Same as 34. Some fine disemm. Sulphides in rock mass. Shearing is fairly intense.
9436	Same as 35. Qtz blebs have some specks steely grey min, suspect aspy ?
9437	Volc f.g. dark colour, sheared. No vis min.
9438	Volc, massive, f.g. Carb rich (Hcl). Minor sulphides. Grey/green, massive to lightly foliated.
9439	Same as 9437
9440	QFP? Altered/sheared/folited. No vis min. Some light local react to Hcl. Lg qtz phenocrysts. Heavy brown rusty rind.
9441	Volc. (felsic?), light green, massive, silicified. No vis min. surface weathers to light green. Carb rich (high react to Hcl)
9442	Identical to 9440. some sparse dissem sulphides.
9443	Same as 9447. No react to Hcl. Not magnetic. A bit less alter/sheared.

9446	QFP? Altered....similar to 9442. Very small sample.
9447	Identical to 9448. some fine specks steel grey min (aspy?) otherwise no vis min.
9448	QFP? Or felsic volcanic?, lightly altered. Some sparse sulphide specks (cpy?). Strong brown surface rind. Light sugary textured qtz/feldspar phenocrysts are highly stress fratured.
9449	Sim to 9450, volc, felsic?, f.grained, light green, less sulphides, black fracture filling, some qtz, mostly carbonate, chloritic, react to Hcl, not magnetic
9450	Volcanic rock, felsic?, silicified, fine grained, light green colour, shot with blebs/crystals py, cpy, some black mineral fills fractures. Highly chloritic, heavy reaction to Hcl 10%, not magnetic.
9451	Volc (felsic?) light green, carb rich, f.g. massive rock. Some fine carb seamlets and other brown coloured alteration (ankerite?)
9452	Same as 51 above. Note all light green coloured samples are sheared.
9453	Volc. F.g. light green, similar to 9452 with slightly more fine dissem sulphides (py)
9454	Same as 9453. lighter green colour, fewer sulphides.
9455	QFP(?) highly altered, sheared/foliated. Very sparse sulphide min. No react to Hcl. Not magnetic. Surface weathers to rusty brown (crumbly).
9456	Similar to 9455. more intensely sheared. More fine dissem sulphides. Sample mostly weathered.
9458	QFP, altered/foliated. Few specks sulphides incl aspy. Weathers to rusty brown rind. Moderate reaction to Hcl.
9459	Similar to 9458. Considerable number of fine vertical veinlets contain carbonate. Some chlorite/epidote ? clotting. Sparse mineralization.
9460	QFP. Altered. Coarse to med grained, pegmatized. No vis min. Qtz and feldspar phenocrysts all buggered up.
9462	Qtz pegmatite. No vis min
9463	Same as above, lightly pegmatized ? Some fine specks py and aspy. Not as rotten.
9464	Same as 9463
9465	QFP highly altered, pegmatized. Stingers black mineral (biotite). Very coarse grained.
9466	Basalt, f.g. black. Same as 9465. Some sparse sulphides.
9467	Basalt. Highly silicified, dark green/black volc rock. Lightly sheared with veinlets/seams carbonate. Mod Hcl react. Some feldspar phenocrysts in matrix.
9468	Same as 67. surface weathers to thick rusty brown. ? Could this unit be a highly altered QFP ?
9469	Same as 68. more intensely sheared.
9470	Volc dark green/black. Sheared with some qtz (silicification). Minor sulphides. Sludge turns to brighter green when sawn. Py splashed on fracture planes.
9471	Basalt, sheared, dark green Hand-sized piece contains near massive sulphides including py, cpy, po, aspy and some qtz. No carb. No react to Hcl. Strongly magnetic.
9472	QFP altered. Lg qtz crystals. Feldspar phenocrysts are pink, green, and brown rimmed. Lightly foliated. Blebs of sulphides mostly py plus fine mixed sulphides. Some chlorite or epidote ? (green staining)
9473	Basalt f.g. black. Highly fractured, vuggy, matrix colour is lighter

	(more felsic?).
	68 samples
Note:	**A total of 5 samples had bag and tag numbers obscured during storage and are not included in this table.**

Visiting Geologists Comments

Several MNDM (OGS) staff geologists visited the Aurum property during the summer field program described in this report.

Some of their project-related comments are noted as follows:

Gregg Stott, Geoscientist, Ontario Geological Survey, Precambrian Geology Section. During his overnight visit to the camp on June 29/30th Gregg the crew had an opportunity to pick his brain re his knowledge of the area. It was he and Jack Parker who were responsible for producing the Precambrian Geology Map(s) # P 3377 in 1997. He was also able to visit several of the project areas before departing.

The following e-mail correspondence to D. Christianson, Project Manager, is a summary of his visit along with some interesting comments re the regional geology and showing areas visited:

"Report of Observations and Comments on the setting of O'Sullivan Lake mineralization"
For:
Dave Christianson
Project Manager
Superior Canadian Resources Inc.
Email: dchris@tbaytel.net

Introduction

I was asked to visit two sites on O'Sullivan Lake for comment and the following is a brief report on my observations and interpretations of those two sites in the context of the regional geology. Jack Parker and I mapped the O'Sullivan Lake area during six weeks of 1997 and published two 1:20 000 scale maps, the western sheet covering the areas of interest here (OGS map P.3377). This map serves as a useful reference to the larger context for the descriptions and comments below.

Gagnon East Occurrence

Observations
I visited an area of the Gagnon occurrence with Shaun Parent. Frank Gagnon had prospected several sulphide occurrences in the Northeast arm and Conlon Bay of O'Sullivan Lake. Some of these occurrences contain chalcopyrite-bearing veins in basaltic host rocks that possess various hydrothermal alterations at different outcrops, including widespread calcite; iron carbonate +/- sericite; pyrite-sericite; epidote +/- pyrite-chalcopyrite. (See OGS map P.3377 for a general distribution of these alterations

in the Northeast Arm.) The Gagnon "main occurrence" [location: easting 501803, northing 5587083, NAD83], contains a chalcopyrite-rich vein obliquely crossing the foliation in the mafic volcanic host. The flow-banded basaltic host contains epidote-magnetite +/- quartz veins and epidote-quartz pods and bands. Magnetite grains are scattered in the basalt in association with the epidote and in fractures. There is minor sulphidization of the basalt in spots.

A site at the base of a cliff [location: easting 502157 northing 5587305] contains a horizontal, sheared quartz-epidote-chlorite vein formed by extensional fracturing and displaying malachite staining. The top of this cliff area displays pillowed basalt and a zone of strongly foliated mafic volcanic flows separated by thinly bedded felsic tuff beds. The flows are each about 1 metre thick. We noted malachite in a quartz vein in a granodiorite dyke intruding parallel to the foliation in the mafic volcanic flow breccia. The flow breccia contains small epidote-rich pods and locally disseminated chlorite + quartz +/- calcite +/- pyrite + chalcopyrite. A 10 metre wide zone of brown weathered basaltic flow and flow breccia lies between a massive basalt and a pillowed basalt unit. The flow breccia contains chlorite-carbonate alteration. In thick granodiorite dykes cutting the basalt, there are pods of chlorite-carbonate-quartz and very fine-grained pyrite.

Another stripped area [location: easting 501690 northing 5587110] of northwest-younging basaltic pillows contains a zone of flow breccia and a large albite-epidote pod, some sulphide alteration in the pillow selvages and local sulphide "burns" on the weathered surfaces of the pillows.

Comments

The flow breccia appears to form local structural traps for sulphides and the epidote-bearing alteration appears more concentrated in the more thinly banded basalt flows and flow breccia. The widespread, moderate development of epidote + magnetite +/- quartz +/- chlorite here is similar to "epidosites" widely reported in disseminated zones or fractures within basaltic flows underlying volcanic-hosted massive sulphide (VMS) deposits.

The cliff outcrop appears to be in a large "raft" of basalt enveloped at least partially by the granodiorite intrusion to the south of the greenstone belt. Hence the site is on the southeast edge of the belt and the alteration plus sulphides in fractures suggests evidence of a region of hydrothermal discharge upwards (northwestwards) through the basaltic pile. It would appear that if any massive sulphides were preserved, associated with this primary hydrothermal event, they would be somewhere higher up in the volcanic stratigraphy towards the northwest. Since most of the epidote alteration around O'Sullivan Lake and eastwards is concentrated in the southern half of the belt on either side of the main syncline (see OGS map P.3377), one could argue that the hydrothermal system was discharging upwards towards the axis of the syncline. The Camdeck and Farley Island occurrences at Cryderman Peninsula are close to the syncline axis. Observations at Cryd-2 strip on the peninsula are relevant and described below.

Cryd-2 Strip – Cryderman Peninsula

Observations

At the Cryd-2 strip outcrop [location: easting 494536, northing 5585748] we observed a unit of felsic tuff bounded by pillowed basalt on the south and massive basalt flow on the north. A quartz-feldspar porphyry sill, containing tabular hematitic jasper chert fragments, intruded the felsic tuff. The porphyry formed lobes and finger-like shapes that intruded into the tuff. The tuff appears more siliceous close to the contact with the basalt flows. The pillows on the south contact appear to have formed by sagging onto unconsolidated tuff. This is consistent with the lobe/finger-like appearance of the porphyry sill in the tuff; the porphyry appears to have partially separated into ball-like lobes, typical of magma emplacement into unconsolidated sediment or tuff.

Comments

The relation between the tuff and porphyry and the apparent relatively soft, unconsolidated condition of the tuff at the time of porphyry intrusion and overlying pillowed basalt deposition suggests that the porphyry and tuff were deposited close in time and likely represent contributions from the same magma chamber. Since this tuff horizon is close to the axis of the major NE-trending syncline, it could mark a change in volcanism from dominantly mafic to more felsic composition.

The porphyry appears to be representative of several quartz-feldspar porphyry intrusions observed across the O'Sullivan Lake area, which have been dated by U-Pb analysis of zircons at about 2734 to 2738 million years (Ma) (see the table of ages in OGS map P.3449, which I provided). This age range generally coincides with the age of dacite tuff (2733 Ma) mapped along the northern part of the greenstone belt (see OGS map P.3377). This implies that the felsic volcanism preserved along the northern flank of the regional anticline in the northern part of the belt coincides in age with the felsic tuff near the axis of the regional syncline on Cryderman Peninsula.

Regional Comments

If we were to unfold the regional anticline and syncline pair that can be traced along the length of the O'Sullivan Lake area, we would find that the hydrothermal alteration observed at the Gagnon occurrence in the Northeast Arm stratigraphically underlies the felsic tuff that lies near the syncline axis. It would appear to also underlie the larger unit of dacitic tuff and tuff breccia in the vicinity of the Odman Lake occurrence of pyrite-pyrrhotite-bearing trenches at the north edge of the belt. Tuff breccia and pyroclastic breccia were observed (see map P.3377) locally on the Anaconda Road and side roads in the northwest part of the belt. These breccias represent the coarsest facies of the pyroclastic rocks in this area and might identify proximity to a volcanic vent. Amphibole-garnet alteration was locally observed south of Odman Lake in those rocks. This alteration is a common syn-volcanic hydrothermal alteration observed in other parts of

the Onaman-Tashota belt and forms a regional alteration of felsic volcanic rocks comparable to the syn-volcanic epidosite alteration of mafic volcanic rocks observed at the Gagnon occurrence.

Summary
In summary, observations at the Gagnon occurrence and on Cryderman Peninsula, in conjunction with our knowledge of the regional fold structure across this greenstone belt suggest that the numerous occurrences of sulphide and epidote alteration in mafic volcanics are all related to a common period of hydrothermal discharge. This would have happened during volcanism and subvolcanic porphyry intrusion about 2734 million years ago. The mineralization is therefore best compared with VMS-style Cu-rich massive sulphide deposits. The best VMS deposits are commonly associated with sizeable subvolcanic heat engines that provided the convection for the hydrothermal activity. It would appear that the many subvolcanic porphyry intrusions in this belt are associated with a subvolcanic magma chamber that provided the heat of convection for this hydrothermal activity. In essence, the regional volcanism, hydrothermal alterations and numerous Cu mineralization occurrences on O'Sullivan Lake all appear to be related to a common period of syn-volcanic hydrothermal activity coincident with felsic (dacitic) volcanism and porphyry intrusions approximately 2734 million years ago.

Recommendations

On this basis, it is recommended that exploration could focus in future:

1) *Along the axis of the syncline east of the Cryderman Peninsula in search of the extension of the felsic tuff, northwest of the Northwest Arm of O'Sullivan Lake, in the uppermost part of the mafic volcanic pile where there is the potential for finding a stratigraphic cap overlying massive or stringer sulphides.*
2) *In the vicinity of Anaconda road, south and west of Odman Lake where previous trenching has identified sulphide zones in the vicinity of airborne EM conductors (OGS map P.3377) and where there are larger pyroclastic breccia fragments that might mark the presence of a volcanic vent and flanking discharge sites.*

Greg Stott
Ontario Geological Survey
933 Ramsey Lake Road
Sudbury, ON
P3E 6B5
Ph: 705 670-5978
Email: greg.stott@ndm.gov.on.ca

John Mason, NW Regional manager, Mines and Minerals division, MNDM, Resident Geologist Program.

John Mason and John Scott (Geologist, Thunder Bay south) visited the camp On July 5/6th. Along with SCRI director Dave Sim they toured th various project areas and got a flavour for some of the work done to date. John Scott provided valuable advice/assistance re GPS information and John Mason provided valuable insights into one of the project areas in particular. Mason's comments re The Cryderman Penninsula showing (Camdeck East) are included as follows:

CAMDECK EAST STRIP OCCURRENCE

The Camdeck East Strip Occurrence is located on the north side of Cryderman Peninsula immediately west of the original Camdeck East Occurrence worked in 1952. What might be interpreted as an easterly trending felsic intrusive unit, potentially high-level subvolcanic was observed in contact with mafic metavolcanics. Specifically, feldspar quartz porphyry textures were observed and a fine-grained rhyolitic unit at the north contact. Angular chert fragments 1 to 3 cm across were noted throughout the unit making up 2 to 3 % of the unit. The chert fragments may represent an original thin exhalite unit in the felsic unit. The entire felsic unit has been strongly foliated to sheared. Anastomosing felsic shear bands surround large less deformed feldspar quartz porphyry elliptical "ball" shapes that are up to 60 cm across. Shear bands and the "rhyolite" unit within the felsic unit may be strain equivalents of the feldspar quartz porphyry and individual feldspar and quartz phenocrysts have been destroyed by the imparted strain. The mafic metavolcanics display "vesicular' degassing (?) alteration textures at both irregular contacts.

Chlorite fragments (1%), black chlorite bands (1 to 2 %) and epidote fragments (1%) were observed and may represent altered mafic volcanics (footwall) and hanging wall equivalents). Up to 1% weathered out sulphide "knots and blebs" were noted. The outcrop is very difficult to sample due to its smooth / hard nature. Ninety-five (95%) of the unit is felsic.

Strain may be equivalent to a protomylonite and one theory may be that the felsic unit was a feldspar quartz dike that has undergone grain-size reduction of quartz and feldspar phenocrysts from the strain. Strong undulose foliation and anastomosing shear bands are evidence of protomylonite. The original chert exhalite unit contained within the sheared unit would have deformed and fractured in a brittle fashion resulting in presently observed tabular and lenticular clasts. The felsic rocks would have behaved in a more ductile manner.

A second theory is the exhalite unit and the felsic rhyolite unit are vent proximal targets for volcanogenic massive sulphides. The exhalite unit may suggest sampling and assaying of the felsic unit and may be appropriate for copper, zinc and silver as well as gold once it is trenched. Observations suggest a VMS target, as well as lode gold should be investigated. Although a large felsic volcanic pile is not present, massive sulphide

deposits can be present in such an environment. The Muriel Lake area east of O'Sullivan Lake, specifically the Galena Trench Prospect, is an example of a VMS prospect (4' of 12% Cu).

The lode gold model holds the most potential on the Camdeck East Strip between Camdeck East and West occurrences. The occurrences occur in a 50 to 100 m wide east trending lineament/fault zone that may represent a significant zone of permeability for porphyry emplacement and subsequent gold mineralization deposition. Porphyry systems are likely sourced from the Esnagami Pluton and remain key to identifying gold mineralization at O'Sullivan Lake.

John Mason.

Authors Note: The writer/project manager wishes to thank these folks for providing their input to the program. These kinds of property visits by MNDM / OGS personnel are an invaluable-to-prospectors component of the Resident Geologists Program. They are also much appreciated by all concerned.

Conclusions and Recommendations

Not all of the original objectives were met during this summer field program, i.e. by the time the project(s) were terminated due to lack of funding, not enough work had been done in order to pin point potential diamond drill targets.

Most other objectives were able to be met. The database concerning rock types, styles of mineralization, location of old workings and expansion of some old showings along with locating several new showings was accomplished. This along with the information gathered from the limited ground geophysics that was done, should put the company in good stead with respect to complimenting the information gathered from an earlier airborne (TEM) survey.

Some recommendations have been made by other professionals as noted in this report. The Writer will not attempt to make any specific recommendations at this time other than, mentioning the need to assimilate/correlate the various data gathered to date. This includes a formal interpretation of all of the airborne geophysical data along with those data gathered from ground work done to date.

The results of this effort will without doubt, aid in narrowing the search for 'drill targets'.

References

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2. Moorehouse, W.W. "Sixty Fourth Annual Report of the Ontario Department of Mines", Vol. LXIV, Part 4, 1955. Geology Of The O'Sullivan Lake Area.

3. MNDM Assessment Work filed Reports (Mineral Exploration Index 42L06NE and 42L07NW).

4. Thesis: "Mineralization Of The O'Sullivan Lake Area". By E.C. Speers, Oct. 12th 1950.

5. Thesis: "PETROGENISI OF THE DIORITIC ROCKS (METADIABASES) OF THE O'SULLIVAN LAKE AREA, ONTARIO".
   BY: H.W. PFEFFER, Ph.D. 1951.

6. Thesis: "GEOLOGY AND PETROLOGY OF THE LOUNANNA GOLD MINE AREA O'SULLIVAN LAKE, ONTARIO".
   BY: JAMES p. MUCKLOW, April, 1985.

7. "Geotechnical Report covering work performed on the Aurum Property". Shaggy Dog Exploration, David E. Christianson, March 30th 2004. (MNDM assessment work files).

Appendix

Contents:

Appendix 13-1 **Contractors Information Table**

NAME	ADDRESS	TITLE / WORK
David E. Christianson	4067 Dog Lake Rd Thunder Bay ON P7B 5E5 Ph: 807-767-4670	Project Manager
Ian McCutchon	3071 Oriole Pl., Thunder Bay ON P7K 1B9 PH:807-627-4753	Prospector Helper
Paul Beckett	902 Adelaide St., Sudbury ON P3E 4B9	Prospector Helper
Shaun Parent	Gen Delivery, Montreal River Harbour ON P7B 4E6	Geologist
Dr. John C. Davies	411 Garrison Crescent, Saskatoon SK S7H 2Z9 Ph: 306-374-4357	Geologist
John Mark Davies	#209-221 George Rd E., Victoria BC V9A 1L1	Geologist assistant
Blake Mendowegan	47 Algoma St., Nakina ON P0T 2H0	Line cutter/prospector helper
David Besson	204 Wardrope St., Box 171, Geraldton ON P0T 1M0	Line cutter/prospector helper
Kevin Kashkeesh	P.O. Box 226 Nakina ON P0T 2H0	Linecutter
Ian Magiskan	P.O. Box 144 Aroland ON P0T 1B0	Linecutter
Fred Towedo Jr.	P.O. Box 38 Aroland ON P0T 1B0	Linecutter
Beaver Head Line Cutting/ Fred Ice	P.O. Box 1532 Geraldton ON P0T 1M0	Line cutting contractor

Appendix 13-2 Rental Equipment...Sources

Equipment type	Rented from	Location
Base camp and equipment for 6 – 8 men includes tents, cookery, bunkhouse, bath, field office etc.	Erling Ventures.....	RR 14 Dog Lake Rd., Thunder Bay ON P7B 5E5 Ph: 807-767-4670
Prospecting tools, gps units, portable electronics, powers saws etc. Magnetometer	Erling Ventures	" " " "
Boats, motors, marine equip	*O'Sullivan Lake Lodge.... *Erling Ventures..... *Frank Gagnon.....	O'Sullivan lake ON As above... 47 Algoma St. Nakina ON P0T 2H0.
EM 16 Geophys unit	Phantom Geophysics	736 Alice Ave., Thunder Bay ON P7G 1W9
TX 27 Geophys Transmitter unit	Geonics Limited	1745 Meyerside Dr., Mississuaga ON L5T 1C6
Hi pressure water pumps, Channel Saw, Blasting tools/equip incl Magazines etc	Erling Ventures	RR 14 Dog lake Rd., Thunder Bay ON P7B 5E5
Personal vehicles	D. Christianson, I. McCutchon, J. Davies	
4X4 pickup truck for duration of project	D. A. Sim	207-1039-17th Ave SW, Calgary AB T2T 0B1
CDGPS unit	D.A. sim	" " " "

Appendix 13-3 Notes on specialized equipment used:

The TX 27 Transmitter explained:

This unit was rented from Geonics Limited and was used in conjunction with an EM 16 unit to survey parts of the Kowkash A & B grids as per the project report found elsewhere in this report.

"In VLF –EM surveying poor coupling from existing VLF navigation transmitters at times becomes a serious problem". (which was the case in this area/time).*"The portable VLF transmitter TX27 was especially designed to overcome these adverse conditions. The TX27 gives a flexibility and versatility to VLF-EM surveying not previously available. The ability to choose the location and orientation of the VLF source fills a gap in VLF-EM surveying practice and will permit a more effective use of this approach in solving structural problems as well as defining more conventional exploration targets."*

"The equipment consists of a VLF generator feeding into a long grounded wire to produce an appropriate primary magnetic field".

"A portable power source 50 – 400 Hz, 115 V, 300 W (i.e. Honda E300) is needed to supply power".

The CDGPS (Canada wide digital real-time GPS Service) unit explained:

*"The CDGPS service uses "wide-area" technology deriving corrections from real-time positioning information collected across the country. This data is transmitted to Ottawa where mathematical algorithms produce a single GPS*C correction data stream which is uplinked to the MSAT satellite for broadcast across Canada.*

This real-time signal is accessed by end-users with a small custom-built CDGPS receiver which translates the data stream into localized RTCM-SC104 messages which correct the positions of single - frequency GPS receivers."

Appendix 13-4 The TX 27 Transmitter Explained:

This unit was rented from Geonics Limited and was used in conjunction with an EM 16 unit to survey parts of the Kowkash A & B grids as per the report found elsewhere in this report.

"In VLF –EM surveying poor coupling from existing VLF navigation transmitters at times becomes a serious problem". (as was the case in this area/time).*"The portable VLF transmitter TX27 was especially designed to overcome these adverse conditions. The TX27 gives a flexibility and versatility to VLF-EM surveying not previously available. The ability to choose the location and orientation of the VLF source fills a gap in VLF-EM surveying practice and will permit a more effective use of this approach in solving structural problems as well as defining more conventional exploration targets."*

"The equipment consists of a VLF generator feeding into a long grounded wire to produce an appropriate primary magnetic field".

"A portable power source 50 – 400 Hz, 115 V, 300 W (i.e. Honda E300) is needed to supply power".

LINE CUTTING
AURUM ASSESSMENT REPORT

NAME: Blake Mendowegan

DATE	KOWKASH	GAGNON	CRYDERMAN
July 2, 2004		X	
July 3, 2004	X		
July 4, 2004	X		
July 5, 2004		X	
July 6, 2004		X	
July 7, 2004		X	
July 8, 2004		X	
July 9, 2004	X		
July 10, 2004	X		
July 11, 2004	X		
July 12, 2004	X		
July 13, 2004	X		
July 14, 2004	X		
July 15, 2004	X		
July 16, 2004	X		
July 17, 2004	X		
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July 22, 2004	X		
July 23, 2004			X
July 24, 2004	X		
July 25, 2004	X		
July 26, 2004			X
July 27, 2004	X		
July 28, 2004			X
July 29, 2004			X
July 30, 2004		X	

Supervision - Prospecting
AURUM ASSESSMENT REPORT

NAME: Dave Christianson

DATE	
14-May-04	Yes - Field
21-May-04	Yes - Field
28-May-04	Yes - Field
29-May-04	Yes - Field
30-May-04	Yes
31-May-04	Yes
1-Jun-04	Yes
2-Jun-04	Yes - Field
3-Jun-04	Yes - Field
4-Jun-04	Yes - Field
5-Jun-04	Yes - Field
6-Jun-04	Yes - Field
7-Jun-04	Yes - Field
8-Jun-04	Yes
9-Jun-04	Yes
10-Jun-04	Yes
11-Jun-04	Yes - Field
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13-Jun-04	Yes - Field
14-Jun-04	Yes - Field
15-Jun-04	Yes - Field
16-Jun-04	Yes
17-Jun-04	Yes
18-Jun-04	Yes
19-Jun-04	Yes - Field
20-Jun-04	Yes - Field
21-Jun-04	Yes - Field
22-Jun-04	Yes - Field
23-Jun-04	Yes - Field
24-Jun-04	Yes - Field
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27-Jun-04	Yes - Field
28-Jun-04	Yes - Field
29-Jun-04	Yes - Field
30-Jun-04	Yes - Field
1-Jul-04	Yes - Field
2-Jul-04	Yes - Field
3-Jul-04	Yes - Field

DATE	
4-Jul-04	Yes - Field
5-Jul-04	Yes - Field
6-Jul-04	Yes - Field
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8-Jul-04	Yes - Field
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24-Jul-04	Yes - Field
25-Jul-04	Yes - Field
26-Jul-04	Yes - Field
27-Jul-04	Yes - Field
28-Jul-04	Yes - Field
29-Jul-04	Yes - Field
30-Jul-04	Yes - Field
31-Jul-04	Yes - Field

LINE CUTTING
AURUM ASSESSMENT REPORT

NAME: David Besson

DATE	KOWKASH	GAGNON	CRYDERMAN
July 2, 2004		X	
July 3, 2004	X		
July 4, 2004	X		
July 5, 2004		X	
July 6, 2004		X	
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July 27, 2004	X		
July 28, 2004			X
July 29, 2004			X
July 30, 2004		X	

LINE CUTTING
AURUM ASSESSMENT REPORT

NAME: Fred Towed Jr.

DATE	KOWKASH	GAGNON	OTHERS
July 14, 2004	X		
July 15, 2004	X		
July 16, 2004	X		
July 17, 2004	X		
July 18, 2004	X		
July 19, 2004	X		
July 20, 2004	X		

Prospecting - Geological
AURUM ASSSESSMENT REPORT

NAME: **Ian McCutchon**

DATE	KOWKASH	GAGNON	OTHERS
May 14, 2004			X
May 21,2004			X
May 28, 2004			X
May 29, 2004			X
May 30, 2004			X
May 31, 2004	OFF		
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June 3, 2004	X		
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June 5, 2004	X		
June 6, 2004	X		
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June 17, 2004			X
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June 19, 2004			X
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June 21, 2004			X
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June 25, 2004	X		X
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June 27, 2004			X
June 28, 2004			X
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June 30, 2004	X		X
July 1, 2004	OFF		
July 2, 2004	OFF		

DATE	KOWKASH	GAGNON	OTHERS
July 3, 2004	OFF		
July 4, 2004	OFF		
July 5, 2004	OFF		
July 6, 2004			X
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July 8, 2004			X
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July 10, 2004	X		X
July 11, 2004	X		X
July 12, 2004			X
July 13, 2004	X		X
July 14, 2004	X		X
July 15, 2004	X		X
July 16, 2004	X		X
July 17, 2004			X
July 18, 2004	X		X
July 19, 2004			X
July 20, 2004	X		X
July 21, 2004	X		X
July 22, 2004	X		X
July 23, 2004	X		X
July 24, 2004	X		X
July 25, 2004	X		X
July 26, 2004			X
July 27, 2004	X		X
July 28, 2004			X
July 29, 2004			X
July 30, 2004		X	X
July 31, 2004			

Geological
AURUM ASSESSMENT REPORT

NAME: John C. Davies

DATE	KOWKASH	GAGNON	OTHERS
June 10, 2004	X		
June 11, 2004	X		
June 12, 2004	X		
June 13, 2004	X		
June 14, 2004	X		
June 15, 2004	X		
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June 23, 2004	X		
June 24, 2004	X		
June 25, 2004	X		
June 26, 2004	X		
June 27, 2004	X		
June 28, 2004	X		
June 29, 2004	X		
June 30, 2004	X		

Geological
AURUM ASSESSMENT REPORT

NAME: John-Mark Davies

DATE	KOWKASH	GAGNON	OTHERS
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June 16, 2004	X		
June 17, 2004	X		
June 18, 2004	X		
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June 25, 2004	X		
June 26, 2004	X		
June 27, 2004	X		
June 28, 2004	X		
June 29, 2004	X		
June 30, 2004	X		
July 1, 2004	X		

LINE CUTTING
AURUM ASSESSMENT REPORT

NAME: Kevin Kashkeesh

DATE	KOWKASH	GAGNON	OTHERS
July 10, 2004	X		
July 11, 2004	X		
July 12, 2004	X		
July 13, 2004	X		

Prospecting - Geological - VLF Survey
AURUM ASSESSMENT REPORT

NAME: **Paul Beckett**

DATE	KOWKASH	GAGNON	OTHERS
May 29, 2004	T		
May 30, 2004			
May 31, 2004			
June 1, 2004			
June 2, 2004			
June 3, 2004			
June 4, 2004			
June 5, 2004			
June 6, 2004			
June 7, 2004			
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July 3, 2004		X	
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July 5, 2004		X	
July 6, 2004		X	
July 7, 2004		X	
July 8, 2004		X	
July 9, 2004		X	
July 10, 2004	X		

DATE	KOWKASH	GAGNON	OTHERS
July 11, 2004	X		
July 12, 2004		X	
July 13, 2004	X		
July 14, 2004	X		
July 15, 2004	X	X	
July 16, 2004	X		
July 17, 2004			X
July 18, 2004	X		
July 19, 2004	X		
July 20, 2004			X
July 21, 2004			X
July 22, 2004			X
July 23, 2004			X
July 24, 2004	X		
July 25, 2004	X		
July 26, 2004			X
July 27, 2004	X		
July 28, 2004			X
July 29, 2004			X
July 30, 2004		X	
July 31, 2004			X

Prospecting - Geological - VLF Survey
AURUM ASSESSMENT REPORT

NAME: Shaun Parent

DATE	KOWKASH	GAGNON	OTHERS
May 29, 2004	TRAVEL		
May 30, 2004	X		
May 31, 2004	X		
June 1, 2004	X		
June 2, 2004	X		
June 3, 2004			X
June 4, 2004			X
June 5, 2004			X
June 6, 2004			X
June 7, 2004			X
June 8, 2004	VLF		
June 9, 2004	VLF		X
June 10, 2004	VLF		
June 11, 2004			X
June 12, 2004			X
June 13, 2004	VLF	X	
June 14, 2004		X	
June 15, 2004	VLF		
June 16, 2004	VLF		
June 17, 2004	OFF		
June 18, 2004	OFF		
June 19, 2004	OFF		
June 20, 2004	OFF		
June 21, 2004	OFF		
June 22, 2004			X
June 23, 2004			X
June 24, 2004			X
June 25, 2004		X	
June 26, 2004	VLF		
June 27, 2004	X		
June 28, 2004			X
June 29, 2004		X	
June 30, 2004		X	
July 1, 2004		X	
July 2, 2004		X	
July 3, 2004	X		
July 4, 2004	X		
July 5, 2004	X	X	
July 6, 2004		X	
July 7, 2004		X	
July 8, 2004		X	VLF
July 9, 2004		X	VLF
July 10, 2004	X	VLF	

DATE	KOWKASH	GAGNON	OTHERS
July 11, 2004		VLF	VLF
July 12, 2004		X	
July 13, 2004		VLF	VLF
July 14, 2004		VLF	
July 15, 2004		VLF	VLF
July 16, 2004		X	
July 17, 2004			X
July 18, 2004			X
July 19, 2004	VLF		
July 20, 2004	VLF		
July 21, 2004	VLF		
July 22, 2004	VLF		
July 23, 2004	VLF		
July 24, 2004	VLF		
July 25, 2004	VLF		
July 26, 2004	VLF		
July 27, 2004	VLF		
July 28, 2004			
July 29, 2004			
July 30, 2004	X	X	
July 31, 2004			X

Appendix 13-6 Statement of Qualifications

I, David E. Christianson of the Township of Gorham, in the District of Thunder Bay, do hereby certify the following:

I am the Author of this Report entitled, "Geotechnical Report covering work performed on the Aurum Property " dated June 1st, 2006.

I have been prospecting and subsequently managing exploration projects in Ontario and Canada for over 35 years.

I have first-hand knowledge of the work described in this report by providing on-site supervision for the duration of the project.

I hereby give permission to the company for whom this report was written, for the use of, and for disclosure of information in this report under the Freedom of Information and Protection of Privacy Act.

Signed this 1st day of June, 2006:

David E. Christianson

4067 Dog lake Rd. RR14
Thunder Bay ON P7B 5E5

Phone: 807-767-4670
e-mail: dchris@tbaytel.net

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringll@telus.net

To: **SUPERIOR CANADIAN RESOURCES**
Suite 400, 441 - 5th Avenue S.W.
Calgary, Alberta
T2P 2V1

File No : 467365
Date : July 13, 2004
Samples : Rock

Attn: Peter Wielezynski

Certificate of Assay

Sample No.	Gold ppb
SCR PW #1	3850
SCR PW #2	80
SCR PW #3	75
SCR PW #4	60
SCR PW #5	35
SCR PW #6	230
SCR PW #7	220
SCR PW #8	225
SCR PW #9	55
SCR PW #10	75
SCR PW #11	80

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: **SUPERIOR CANADIAN RESOURCES**
Suite 400, 441 - 5th Avenue S.W.
Calgary, Alberta
T2P 2V1

FILE: 46735

DATE: July 14, 2004

Attn: Peter Wielezynski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
PW - 1	1.3	1.24	9070	3	19	53	<1	3.11	3	70	77	57	4.55	0.14	20	0.84	653	<1	0.02	86	0.04	14	19	18	7	0.01	<1	37	2	20
PW - 2	<0.5	1.93	43	<1	21	81	<1	1.52	2	45	139	514	2.24	0.05	13	1.09	471	<1	0.15	70	0.01	13	<1	24	6	0.18	<1	54	<1	33
PW - 3	4.5	2.99	17	<1	18	272	<1	4.91	3	74	220	2610	4.04	0.03	18	1.85	975	2	0.06	114	0.01	15	<1	18	<1	0.20	<1	125	91	52
PW - 4	<0.5	2.20	<1	<1	22	67	<1	1.51	2	70	143	368	3.22	0.04	15	0.89	566	<1	0.15	146	0.02	15	3	36	<1	0.25	<1	66	<1	53
PW - 5	<0.5	3.40	<1	<1	21	90	<1	1.99	4	83	106	21	6.25	0.08	16	2.69	880	3	0.03	102	0.07	21	<1	19	<1	0.01	<1	195	<1	91
PW - 6	2.3	1.66	<1	<1	26	32	<1	1.45	4	167	175	1880	7.12	0.01	13	1.10	523	<1	0.07	182	0.01	8	4	12	<1	0.19	<1	61	<1	45
PW - 7	<0.5	0.61	<1	<1	23	107	<1	1.65	1	26	115	16	1.01	0.22	17	0.65	330	8	0.08	27	0.03	8	<1	29	4	0.01	<1	13	<1	14
PW - 8	<0.5	1.75	7630	<1	22	20	<1	0.90	3	94	168	92	5.75	0.20	12	1.16	299	<1	0.04	173	0.01	15	61	10	<1	0.01	<1	48	<1	59
PW - 9	<0.5	0.96	23	<1	23	39	3	1.71	1	21	54	49	1.48	0.10	18	0.79	699	2	0.02	24	0.02	7	1	5	4	0.03	<1	4	<1	66
PW - 10	3.6	0.30	72	<1	20	11	4	7.66	4	48	66	43	3.92	0.02	18	4.70	5394	<1	0.02	68	<0.01	680	5	44	3	<0.0	<1	17	<1	356
PW - 11	2.5	3.02	8	<1	16	14	<1	1.06	4	128	176	2990	7.28	0.08	15	2.71	1372	2	0.01	161	0.02	25	6	21	<1	0.27	<1	140	<1	96
STD	1.9	4.66	83	<1	18	49	<1	1.82	3	64	103	87	3.74	0.16	23	1.59	722	4	0.51	222	0.05	103	30	88	<1	0.17	<1	121	2	171

0.500 Gram sample is digested with Aqua Regia at 98 C for one hour and bulked to 10 ml with distilled water.
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.

Certified by:

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, June 10, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 08-Jun-04
Date Completed : 08-Jun-04
Job # 200440566
Reference :
Sample #: 23 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
30038	9201	<5	<0.001	<0.005
30039	9202	<5	<0.001	<0.005
30040	9203	5	<0.001	0.005
30041	9204	<5	<0.001	<0.005
30042	9205	27	<0.001	0.027
30043	9206	<5	<0.001	<0.005
30044	9207	843	0.025	0.843
30045	9208	<5	<0.001	<0.005
30046	9209	<5	<0.001	<0.005
30047	9210	<5	<0.001	<0.005
30048 Check	9210	<5	<0.001	<0.005
30049	9211	<5	<0.001	<0.005
30050	9212	46	0.001	0.046
30051	9213	<5	<0.001	<0.005
30052	9214	99	0.003	0.099
30053	9215	<5	<0.001	<0.005
30054	9216	34	0.001	0.034
30055	9217	<5	<0.001	<0.005
30056	9218	6	<0.001	0.006
30057	9219	35	0.001	0.035
30058 Check	9219	30	<0.001	0.030
30059	9220	31	<0.001	0.031
30060	9221	9	<0.001	0.009

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL903-0361-06/10/2004 08:29 AM

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

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T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 08-Jun-04
Date Completed : 08-Jun-04
Job # 200440566
Reference :
Sample #: 23 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
30061	9222	31	<0.001	0.031
30062	9223	68	0.002	0.068

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL903-0361-06/10/2004 08:29 AM

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-06-14 09:09 AM
Job Number: 200440566
Date Recieved: 6/8/2004
Number of Samples: 23
Type of Sample: Rock
Date Completed: 6/8/2004
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
30038	9201	<2	1.02	<3	38	47	<1	0.53	<10	38	163	123	3.09	0.08	1.12	541	<1	<0.01	66	185	4	<10	<5	0.04	17	2786	<1	5	<10	6	104
30039	9202	<2	1.00	<3	37	56	<1	0.44	<10	15	194	120	2.87	0.10	1.11	536	<1	0.01	17	149	2	<10	<5	0.06	12	3121	<1	17	<10	6	73
30040	9203	<2	0.91	<3	38	33	<1	0.20	<10	26	179	187	3.12	0.05	1.05	505	<1	<0.01	33	125	4	<10	<5	0.05	6	1862	<1	8	<10	3	73
30041	9204	<2	0.84	16	30	159	<1	0.52	<10	17	139	25	1.88	0.23	0.80	331	<1	<0.01	30	237	1	<10	<5	0.05	14	3278	<1	6	<10	7	47
30042	9205	<2	0.22	<3	31	<10	<1	6.91	<10	9	147	21	2.06	0.05	1.54	864	1	<0.01	26	123	3	<10	<5	0.02	92	<100	2	94	<10	4	18
30043	9206	<2	0.18	<3	32	<10	<1	9.26	<10	7	27	11	2.65	0.01	1.68	1241	<1	<0.01	17	<100	4	<10	<5	0.02	85	<100	4	170	<10	3	25
30044	9207	<2	0.87	19	37	18	<1	1.16	<10	51	129	44	3.58	0.16	1.08	359	<1	<0.01	141	201	6	<10	<5	0.04	21	<100	<1	4	<10	1	44
30045	9208	<2	0.94	<3	35	<10	<1	0.90	<10	32	166	85	3.28	<0.01	0.98	987	<1	0.01	43	181	4	<10	<5	0.07	16	3908	<1	21	<10	4	66
30046	9209	<2	0.97	<3	38	<10	<1	0.63	<10	32	186	57	3.25	<0.01	1.17	1020	<1	0.01	55	233	4	<10	<5	0.04	5	4611	<1	53	<10	5	93
30047	9210	<2	0.05	<3	28	15	<1	0.89	<10	<1	8	2	0.09	<0.01	0.07	<100	<1	<0.01	4	182	4	<10	<5	0.02	9	<100	<1	<2	<10	<1	5
30048	9210	<2	0.05	<3	30	15	<1	0.92	<10	<1	8	2	0.09	<0.01	0.07	<100	<1	<0.01	3	181	4	<10	<5	0.02	9	<100	2	<2	<10	<1	5
30049	9211	<2	0.04	<3	31	15	<1	0.89	<10	<1	3	2	0.06	<0.01	0.05	<100	<1	<0.01	<1	195	5	<10	<5	0.02	9	<100	<1	<2	<10	<1	3
30050	9212	<2	0.06	<3	30	16	<1	1.13	<10	<1	4	3	0.19	0.01	0.08	<100	<1	<0.01	2	364	7	<10	<5	0.02	13	<100	<1	<2	<10	<1	5
30051	9213	<2	0.62	<3	36	30	<1	0.31	<10	3	315	42	2.12	0.07	0.75	478	1	<0.01	10	<100	3	<10	<5	0.06	<5	955	<1	7	<10	2	69
30052	9214	<2	0.71	90	63	12	<1	0.33	<10	36	84	149	8.62	0.04	0.87	640	<1	<0.01	26	141	23	<10	<5	0.02	<5	1914	<1	9	<10	5	77
30053	9215	<2	1.01	<3	41	16	<1	0.53	<10	13	185	162	4.05	0.04	1.41	1131	<1	0.02	44	261	3	<10	<5	0.05	<5	4188	<1	73	<10	9	115
30054	9216	<2	0.59	101	57	<10	<1	2.01	<10	155	83	197	8.34	0.04	0.78	691	<1	<0.01	21	<100	20	<10	<5	0.06	<5	828	<1	5	<10	3	230
30055	9217	<2	0.94	10	32	<10	<1	1.21	<10	38	151	71	2.71	<0.01	1.19	1106	<1	0.02	68	230	3	<10	<5	0.06	18	3091	<1	28	<10	5	35
30056	9218	<2	1.07	64	38	13	<1	0.17	<10	31	111	24	3.89	0.03	1.11	760	8	<0.01	80	236	18	<10	<5	0.02	<5	<100	<1	10	<10	1	171
30057	9219	4	0.18	237	32	<10	<1	6.91	<10	20	92	79	2.64	0.02	1.30	2527	<1	<0.01	98	<100	465	<10	<5	0.02	41	<100	3	67	<10	4	1099
30058	9219	4	0.18	239	34	<10	<1	7.00	<10	20	89	80	2.66	0.02	1.30	2551	<1	<0.01	99	<100	471	<10	<5	0.02	41	<100	2	68	<10	4	1120
30059	9220	5	0.08	252	34	<10	<1	8.48	<10	26	43	80	3.21	<0.01	1.50	2928	<1	<0.01	102	<100	251	<10	<5	0.01	37	<100	2	156	<10	4	364

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION
1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Standards Council of Canada Accredited Laboratory Scope of Accreditation 434
Conseil canadien des normes Laboratoire accrédité Portée d'accréditation 434 TM

Superior Canadian Res. Inc.
Date Created: 04-06-14 09:09 AM
Job Number: 200440566
Date Recieved: 6/8/2004
Number of Samples: 23
Type of Sample: Rock
Date Completed: 6/8/2004
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
30060	9221	2	0.98	58	36	23	<1	1.63	<10	18	158	84	3.24	0.16	1.08	1025	6	0.01	59	182	183	<10	<5	0.05	14	<100	2	13	<10	2	838
30061	9222	5	0.61	69	35	17	<1	1.05	<10	21	88	146	2.38	0.03	0.65	1218	<1	<0.01	33	<100	332	<10	<5	0.03	8	<100	<1	6	<10	1	770
30062	9223	<2	0.68	152	65	<10	<1	1.74	<10	20	45	187	9.15	0.01	0.60	532	1	<0.01	35	186	42	<10	<5	0.02	20	<100	<1	31	<10	<1	74

127

Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, July 01, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 25-Jun-04
Date Completed : 30-Jun-04
Job # 200440671
Reference :
Sample #: 39 Soil

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
33840	9240	<5	<0.001	<0.005
33841	9241	<5	<0.001	<0.005
33842	9242	<5	<0.001	<0.005
33843	9243	<5	<0.001	<0.005
33844	9244	<5	<0.001	<0.005
33845	9245	<5	<0.001	<0.005
33846	9246	<5	<0.001	<0.005
33847	9247	68	0.002	0.068
33848	9248	<5	<0.001	<0.005
33849	9249	<5	<0.001	<0.005
33850 Check	9249	<5	<0.001	<0.005
33851	9250	<5	<0.001	<0.005
33852	9251	<5	<0.001	<0.005
33853	9252	<5	<0.001	<0.005
33854	9253	<5	<0.001	<0.005
33855	9254	<5	<0.001	<0.005
33856	9255	<5	<0.001	<0.005
33857	9256	<5	<0.001	<0.005
33858	9257	<5	<0.001	<0.005
33859	9258	<5	<0.001	<0.005
33860 Check	9258	<5	<0.001	<0.005
33861	9259	<5	<0.001	<0.005
33862	9260	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL903-0361-07/01/2004 08:31 AM

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, July 01, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 25-Jun-04
Date Completed : 30-Jun-04
Job # 200440671
Reference :
Sample #: 39 Soil

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
33863	9261	<5	<0.001	<0.005
33864	9262	<5	<0.001	<0.005
33865	9263	<5	<0.001	<0.005
33866	9264	<5	<0.001	<0.005
33867	9265	<5	<0.001	<0.005
33868	9266	<5	<0.001	<0.005
33869	9267	32	<0.001	0.032
33870 Check	9267		No Sample	
33871	9268	<5	<0.001	<0.005
33872	9269	<5	<0.001	<0.005
33873	9270	<5	<0.001	<0.005
33874	9271	<5	<0.001	<0.005
33875	9272	<5	<0.001	<0.005
33876	9273	<5	<0.001	<0.005
33877	9274	<5	<0.001	<0.005
33878	9275	<5	<0.001	<0.005
33879	9276	<5	<0.001	<0.005
33880	9277	<5	<0.001	<0.005
33881 Check	9277	<5	<0.001	<0.005
33882	9278	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL903-0361-07/01/2004 08:31 AM

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-07-01 01:08 PM
Job Number: 200440671
Date Recieved: 6/25/2004
Number of Samples: 39
Type of Sample: Soil
Date Completed: 6/30/2004
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
33862	9260	<2	1.46	8	40	52	<1	1.19	<10	12	45	46	2.06	0.15	0.56	460	<1	0.03	45	622	13	<10	<5	0.02	33	1578	<1	6	12	11	25
33863	9261	<2	1.26	7	41	36	<1	0.96	<10	15	41	51	1.79	0.12	0.49	310	<1	0.04	64	312	12	<10	<5	<0.01	23	1231	<1	5	<10	8	31
33864	9262	<2	0.75	<3	32	25	<1	0.18	<10	8	19	4	1.25	0.07	0.15	131	1	0.02	12	112	12	<10	<5	<0.01	13	978	<1	9	36	3	18
33865	9263	<2	1.29	<3	45	42	<1	2.08	<10	10	35	18	1.72	0.15	1.02	213	<1	0.04	33	330	10	<10	<5	0.02	31	1323	4	8	<10	11	20
33866	9264	<2	1.20	6	38	32	<1	0.60	<10	10	33	9	2.07	0.11	0.39	251	<1	0.03	62	310	8	<10	<5	0.02	19	1397	<1	9	<10	6	22
33867	9265	<2	0.99	16	39	129	<1	4.26	<10	14	27	77	1.70	0.10	0.37	2751	<1	0.03	22	1088	8	<10	9	<0.01	60	516	3	4	<10	10	21
33868	9266	<2	1.31	24	35	157	<1	2.20	<10	17	29	58	2.41	0.11	0.32	4038	<1	0.02	16	1128	13	<10	<5	<0.01	38	713	<1	3	<10	12	23
33869	9267	<2	1.22	9	20	63	<1	0.53	<10	13	38	12	1.72	0.08	0.51	329	<1	0.02	15	219	12	<10	<5	<0.01	21	1614	<1	18	17	4	36
33870	9267	No Sample Received																													
33871	9268	<2	0.85	11	35	24	<1	0.25	<10	9	28	5	1.83	0.09	0.27	124	2	0.02	17	208	11	<10	<5	0.01	13	1263	<1	14	<10	3	15
33872	9269	<2	1.40	5	34	62	<1	3.89	<10	10	33	82	1.67	0.04	0.17	198	2	0.02	47	740	5	<10	<5	<0.01	21	662	<1	<2	11	4	31
33873	9270	<2	0.25	<3	37	51	<1	3.11	<10	5	6	15	0.18	0.02	0.11	258	<1	0.02	12	185	11	<10	<5	0.01	29	<100	<1	<2	<10	<1	33
33874	9271	<2	0.19	5	33	50	<1	2.85	<10	4	5	11	0.15	0.02	0.14	<100	1	0.02	5	225	12	<10	6	0.02	30	<100	3	<2	30	<1	24
33875	9272	<2	0.18	<3	37	48	<1	2.85	<10	4	5	8	0.12	0.02	0.11	<100	<1	0.02	9	183	8	<10	<5	<0.01	29	<100	<1	<2	28	<1	28
33876	9273	<2	0.18	<3	38	45	<1	2.93	<10	2	5	6	0.13	0.02	0.11	<100	2	0.02	7	214	12	<10	<5	<0.01	30	<100	<1	<2	<10	<1	25
33877	9274	<2	0.20	<3	39	55	<1	1.88	<10	3	3	8	0.10	0.01	0.05	<100	1	0.02	8	107	8	<10	<5	<0.01	24	<100	10	<2	27	<1	41
33878	9275	<2	2.87	6	17	65	<1	0.52	<10	16	55	149	2.41	0.16	0.52	153	<1	0.03	45	640	17	<10	<5	0.01	20	1181	<1	<2	14	24	70
33879	9276	<2	4.18	63	27	39	<1	0.24	<10	40	113	408	>10.00	0.09	1.02	489	3	0.02	109	371	42	<10	<5	0.03	<5	2079	<1	20	<10	20	240
33880	9277	<2	4.05	60	27	38	<1	0.24	<10	37	108	387	>10.00	0.08	1.00	487	3	0.02	108	356	46	<10	<5	0.02	<5	1998	<1	18	<10	19	231
33881	9277	<2	2.53	<3	38	99	<1	4.30	<10	15	50	44	2.61	0.20	1.25	348	<1	0.04	40	348	15	<10	<5	0.04	44	1574	<1	3	<10	12	43
33882	9278	<2	2.14	4	41	76	<1	1.13	<10	13	60	23	2.24	0.19	0.84	239	<1	0.03	30	452	8	<10	<5	0.02	32	1729	<1	4	11	12	29

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Standards Council of Canada Accredited Laboratory Scope of Accreditation 454 Conseil canadien des normes Laboratoire accrédité Portée d'accréditation 454 ™

Superior Canadian Res. Inc.
Date Created: 04-07-01 01:08 PM
Job Number: 200440671
Date Recieved: 6/25/2004
Number of Samples: 39
Type of Sample: Soil
Date Completed: 6/30/2004
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
33840	9240	<2	1.15	3	40	22	<1	0.52	<10	8	26	13	1.24	0.08	0.33	137	<1	0.03	29	450	13	<10	<5	0.03	19	1100	<1	<2	19	6	32
33841	9241	<2	0.96	3	46	40	<1	>10.00	<10	10	27	9	1.31	0.20	2.99	304	<1	0.05	21	454	6	<10	<5	0.02	87	1305	<1	35	<10	9	27
33842	9242	<2	1.16	4	54	55	<1	>10.00	<10	9	32	12	1.58	0.31	3.18	430	2	0.06	20	458	5	<10	<5	0.02	97	1376	<1	37	<10	10	34
33843	9243	<2	0.75	<3	47	27	<1	7.89	<10	6	22	9	1.12	0.16	1.87	231	<1	0.04	25	363	14	<10	<5	0.02	61	1080	<1	22	23	7	26
33844	9244	<2	0.95	<3	53	39	<1	>10.00	<10	8	29	9	1.37	0.26	3.37	319	1	0.05	23	459	9	<10	<5	0.02	99	1386	<1	48	<10	10	26
33845	9245	<2	1.01	<3	50	41	<1	>10.00	<10	9	29	10	1.40	0.27	3.01	317	1	0.05	22	441	10	<10	<5	0.02	88	1345	1	37	19	10	28
33846	9246	<2	0.89	4	52	41	<1	>10.00	<10	8	26	9	1.30	0.23	3.00	357	2	0.05	29	467	4	<10	<5	0.02	87	1309	<1	40	19	9	27
33847	9247	<2	1.99	18	49	45	<1	1.53	<10	39	33	9	6.22	0.07	0.83	1168	<1	0.04	60	634	19	<10	<5	0.01	26	<100	<1	25	<10	2	88
33848	9248	<2	1.67	4	54	65	<1	6.54	<10	11	43	14	1.94	0.27	2.88	306	1	0.05	33	550	15	<10	<5	0.02	58	1657	<1	22	32	12	28
33849	9249	<2	0.94	4	48	33	<1	>10.00	<10	8	28	13	1.37	0.21	2.65	264	<1	0.05	17	453	10	<10	<5	0.02	83	1343	<1	32	37	10	22
33850	9249	<2	0.93	4	42	26	<1	3.63	<10	9	28	5	1.30	0.11	1.15	252	<1	0.03	22	366	9	<10	<5	0.02	38	1225	<1	12	<10	8	20
33851	9250	<2	0.98	3	36	33	<1	>10.00	<10	11	30	17	1.37	0.22	2.70	269	2	0.05	20	476	13	<10	<5	0.02	86	1370	<1	35	<10	10	23
33852	9251	<2	0.90	3	48	24	<1	0.47	<10	9	27	4	1.37	0.09	0.33	196	1	0.03	23	397	9	<10	<5	0.02	21	1269	<1	6	19	7	21
33853	9252	<2	1.24	3	53	54	<1	>10.00	<10	10	34	12	1.60	0.32	3.14	367	<1	0.05	18	458	9	<10	<5	0.02	98	1413	5	35	10	10	26
33854	9253	<2	0.90	<3	48	37	<1	>10.00	<10	9	28	10	1.29	0.21	2.84	280	<1	0.05	16	455	9	<10	<5	0.02	78	1216	7	36	29	9	20
33855	9254	<2	0.85	<3	50	34	<1	>10.00	<10	8	25	10	1.25	0.17	3.00	273	1	0.05	16	370	10	<10	<5	<0.01	84	949	<1	40	<10	9	19
33856	9255	<2	1.67	<3	20	44	<1	0.70	<10	9	39	24	1.51	0.08	0.42	108	<1	0.03	34	161	13	<10	<5	0.01	21	1340	<1	4	37	5	28
33857	9256	<2	1.17	7	32	97	<1	3.33	<10	15	21	43	1.17	0.14	0.34	1214	2	0.03	18	816	21	<10	<5	<0.01	44	559	6	2	<10	6	38
33858	9257	<2	1.03	14	38	75	<1	2.64	<10	11	27	50	1.65	0.10	0.40	1146	<1	0.03	14	987	12	<10	<5	<0.01	39	778	4	4	10	10	22
33859	9258	<2	1.38	8	48	57	<1	4.44	<10	10	40	18	1.89	0.23	2.03	454	2	0.05	19	642	13	<10	6	0.02	45	1457	<1	15	<10	11	25
33860	9258	<2	1.42	3	45	59	<1	4.50	<10	12	42	18	1.96	0.23	2.06	454	2	0.04	19	613	12	<10	<5	0.02	47	1526	<1	17	14	11	24
33861	9259	<2	1.35	8	47	55	<1	6.84	<10	11	38	24	1.82	0.24	2.23	411	<1	0.04	37	584	10	<10	5	0.02	60	1498	<1	20	20	11	23

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Certified By:
Derek Demianiuk, H.Bsc.

Certificate of Analysis

Thursday, April 13, 2006

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 13-Jul-04
Date Completed : 20-Jul-04
Job # 200440789
Reference :
Sample #: 24 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
39408	9303	8	<0.001	0.008
39409	9304	6	<0.001	0.006
39410	9305	25	<0.001	0.025
39411	9306	414	0.012	0.414
39412	9307	1633	0.048	1.633
39413	9308	17	<0.001	0.017
39414	9309	12	<0.001	0.012
39415	9310	20	<0.001	0.019
39416	9311	<5	<0.001	<0.005
39417	9312	<5	<0.001	<0.005
39418 Check	9312	<5	<0.001	<0.005
39419	9313	18	<0.001	0.018
39420	9314	133	0.004	0.133
39421	9315	125	0.004	0.125
39422	9316	401	0.012	0.401
39423	9317	36	0.001	0.036
39424	9318	36	0.001	0.036
39425	9319	79	0.002	0.079
39426	9320	65	0.002	0.065
39427	9321	211	0.006	0.211
39428 Check	9321	231	0.007	0.231
39429	9322	166	0.005	0.166
39430	9323	14	<0.001	0.013

PROCEDURE CODES: AL3AU3, AL4ICPAR

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

AL903-0361-04/13/2006 11:39 AM

Certificate of Analysis

Thursday, April 13, 2006

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 13-Jul-04
Date Completed : 20-Jul-04
Job # 200440789
Reference :
Sample #: 24 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
39431	9366	9	<0.001	0.009
39432	9367	13	<0.001	0.013
39433	9368	72	0.002	0.072

PROCEDURE CODES: AL3AU3, AL4ICPAR

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

AL903-0361-04/13/2006 11:39 AM

Certificate of Analysis

Thursday, April 13, 2006

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 19-Jul-04
Date Completed : 22-Jul-04
Job # 200440809
Reference :
Sample #: 2 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
40052	9301	422	0.012	0.422
40053	9302	5	<0.001	0.005
40054 Check	9302	5	<0.001	0.005

PROCEDURE CODES: AL3AU3, AL4ICPAR

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

Accurassay Laboratories Mineral Assay Division of Assay Laboratory Services Inc.

1046 GORHAM STREET THUNDER BAY, ONTARIO P7B 5X5 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: assay@accurassay.com WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-07-26 08:40 AM
Job Number: 200440789
Date Recieved: 7/13/2004
Number of Samples: 24
Type of Sample: Rock
Date Completed: 7/20/2004
ject ID:

* The results included on this report relate only to the items tested
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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
39408	9303	<2	0.60	<3	19	16	<1	0.04	<10	3	91	21	4.09	0.11	0.22	543	1	0.03	5	189	21	<10	<5	0.08	<5	542	<1	<2	<10	<1	63
39409	9304	<2	1.01	4	16	21	<1	0.07	<10	4	70	17	2.73	0.13	0.54	1009	1	0.02	6	279	7	<10	<5	0.04	<5	853	<1	<2	<10	<1	72
39410	9305	<2	1.15	8	23	10	<1	0.07	<10	20	210	46	5.62	0.03	0.69	1022	<1	0.05	18	115	14	<10	<5	0.06	<5	1747	<1	17	<10	<1	57
39411	9306	33	1.26	8	23	<10	<1	0.19	<10	50	141	>5,000	7.16	0.04	0.74	553	4	<0.01	92	303	13	<10	<5	0.05	11	1296	<1	9	29	<1	76
39412	9307	34	1.57	10	25	<10	<1	0.27	<10	63	131	>5,000	7.14	0.04	0.94	679	4	<0.01	84	303	14	<10	<5	0.07	16	1574	<1	13	146	2	92
39413	9308	<2	1.15	<3	16	<10	<1	0.36	<10	16	146	1079	2.48	<0.01	0.69	532	<1	0.04	18	190	5	<10	<5	0.08	<5	3348	<1	21	<10	3	44
39414	9309	<2	1.19	<3	16	<10	<1	1.41	<10	35	107	390	2.74	<0.01	0.71	700	<1	0.04	65	211	4	<10	<5	0.11	9	2389	<1	10	<10	3	62
39415	9310	<2	0.97	16	21	<10	<1	0.29	<10	35	126	168	5.00	<0.01	0.58	367	<1	0.04	37	192	11	<10	<5	0.07	<5	3221	<1	21	<10	2	49
39416	9311	<2	1.64	<3	17	<10	<1	0.29	<10	20	88	49	3.17	<0.01	1.06	708	<1	0.02	31	180	5	<10	<5	0.07	5	2432	<1	5	<10	1	82
39417	9312	<2	1.37	4	16	15	<1	0.47	<10	28	68	91	3.05	0.01	0.89	520	<1	0.02	35	176	4	<10	<5	0.09	7	2338	<1	9	<10	2	71
39418	9312	<2	1.36	<3	16	15	<1	0.47	<10	28	67	87	3.03	0.01	0.89	515	<1	0.02	35	174	5	<10	<5	0.09	7	2283	<1	8	<10	1	72
39419	9313	<2	1.65	<3	17	<10	<1	0.21	<10	17	72	63	4.13	<0.01	1.06	578	<1	0.02	12	228	6	<10	<5	0.10	<5	3176	<1	15	<10	1	67
39420	9314	13	1.63	<3	18	<10	<1	0.34	<10	46	116	>5,000	3.83	0.02	0.98	507	<1	0.03	129	281	7	<10	<5	0.05	13	1799	<1	13	<10	3	86
39421	9315	12	1.65	6	20	12	<1	1.16	<10	52	109	>5,000	4.95	0.07	1.00	619	<1	0.04	140	262	11	<10	<5	0.10	16	1793	<1	19	<10	4	105
39422	9316	15	1.69	15	21	11	<1	0.72	<10	42	115	>5,000	5.01	0.03	1.01	583	4	0.04	89	309	9	<10	<5	0.08	10	2199	<1	30	<10	6	83
39423	9317	<2	1.67	7	19	12	<1	1.76	<10	40	136	536	3.63	0.10	0.97	534	<1	0.10	71	234	7	<10	<5	0.09	26	1604	<1	24	<10	3	49
39424	9318	3	1.60	7	19	18	<1	4.72	<10	85	117	2793	4.17	0.10	0.98	842	<1	0.06	176	210	14	<10	<5	0.11	25	1293	<1	27	<10	5	48
39425	9319	<2	0.67	<3	13	17	<1	2.35	<10	10	75	1267	1.48	0.10	0.65	592	<1	0.04	20	279	5	<10	<5	0.04	37	<100	<1	<2	<10	3	30
39426	9320	4	1.33	9	16	17	<1	1.55	<10	19	94	2563	2.88	0.06	0.85	859	<1	0.03	34	189	21	<10	<5	0.08	14	<100	<1	<2	<10	3	126
39427	9321	12	1.11	35	17	12	<1	0.97	<10	48	78	>5,000	3.64	0.06	0.77	900	<1	0.01	54	352	24	<10	<5	0.05	9	<100	<1	<2	<10	3	113
39428	9321	11	1.09	33	17	11	<1	0.94	<10	46	75	>5,000	3.53	0.05	0.75	869	<1	0.01	53	323	22	<10	<5	0.05	8	<100	<1	<2	<10	3	109
39429	9322	13	0.71	30	14	<10	<1	0.97	<10	28	105	>5,000	1.99	0.06	0.57	565	<1	0.04	21	264	126	<10	<5	0.07	10	<100	<1	<2	<10	3	255

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories Mineral Assay Division of Assay Laboratory Services Inc.

1046 GORHAM STREET THUNDER BAY, ONTARIO P7B 5X5 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: assay@accurassay.com WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-07-26 08:40 AM
Job Number: 200440789
Date Recieved: 7/13/2004
Number of Samples: 24
Type of Sample: Rock
Date Completed: 7/20/2004
)ject ID:

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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
39430	9323	<2	0.61	51	13	96	<1	0.11	<10	9	93	112	1.73	0.28	0.25	<100	<1	0.03	31	237	7	<10	<5	0.02	<5	1812	<1	10	11	2	10
39431	9366	<2	1.29	<3	12	14	<1	0.76	<10	18	72	190	1.36	0.06	0.38	232	<1	0.17	47	146	4	<10	<5	0.07	19	862	<1	<2	<10	2	32
39432	9367	<2	1.38	<3	15	<10	<1	1.06	<10	38	87	397	2.46	0.07	0.53	311	<1	0.13	96	224	5	<10	<5	0.06	21	1322	<1	<2	<10	4	57
39433	9368	<2	1.23	92	15	11	<1	4.17	<10	28	99	115	3.41	0.31	1.09	1063	<1	0.02	80	206	7	<10	<5	0.04	67	508	<1	10	<10	2	47

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories Mineral Assay Division of Assay Laboratory Services Inc.

1046 GORHAM STREET THUNDER BAY, ONTARIO P7B 5X5 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: assay@accurassay.com WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-07-26 08:44 AM
Job Number: 200440809
Date Recieved: 7/19/2004
Number of Samples: 2
Type of Sample: Rock
Date Completed: 7/22/2004
ject ID:

* The results included on this report relate only to the items tested
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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
40052	9301	<2	0.44	76	10	17	<1	0.03	<10	6	221	40	3.81	0.07	0.06	<100	2	0.06	7	286	13	<10	<5	0.06	8	<100	<1	<2	<10	3	3
40053	9302	<2	0.38	<3	12	27	<1	7.21	<10	10	54	25	3.43	0.08	0.79	2002	<1	0.02	13	110	11	<10	<5	0.03	72	<100	<1	31	<10	4	22
40054	9302	<2	0.38	5	12	27	<1	7.30	<10	10	55	24	3.45	0.08	0.80	2024	<1	0.02	13	108	10	<10	<5	0.03	73	<100	<1	31	<10	4	23

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Friday, July 23, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 19-Jul-04
Date Completed : 22-Jul-04
Job # 200440809
Reference :
Sample #: 2 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
40052	9301	422	0.012	0.422
40053	9302	5	<0.001	0.005
40054 Check	9302	5	<0.001	0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL903-0361-07/23/2004 10:44 AM

Accurassay Laboratories
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Superior Canadian Res. Inc.
Date Created: 04-07-26 08:44 AM
Job Number: 200440809
Date Recieved: 7/19/2004
Number of Samples: 2
Type of Sample: Rock
Date Completed: 7/22/2004
F ct ID:

* The results included on this report relate only to the items tested
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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
40052	9301	<2	0.44	76	10	17	<1	0.03	<10	6	221	40	3.81	0.07	0.06	<100	2	0.06	7	286	13	<10	<5	0.06	8	<100	<1	<2	<10	3	3
40053	9302	<2	0.38	<3	12	27	<1	7.21	<10	10	54	25	3.43	0.08	0.79	2002	<1	0.02	13	110	11	<10	<5	0.03	72	<100	<1	31	<10	4	22
40054	9302	<2	0.38	5	12	27	<1	7.30	<10	10	55	24	3.45	0.08	0.80	2024	<1	0.02	13	108	10	<10	<5	0.03	73	<100	<1	31	<10	4	23

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
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MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, June 24, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 18-Jun-04
Date Completed : 24-Jun-04
Job # 200440616
Reference :
Sample #: 18 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
31774	9351	<5	<0.001	<0.005
31775	9352	<5	<0.001	<0.005
31776	9353	30	<0.001	0.030
31777	9354	78	0.002	0.078
31778	9355	12	<0.001	0.012
31779	9227	65	0.002	0.065
31780	9228	45	0.001	0.045
31781	9229	175	0.005	0.175
31782	9230	45	0.001	0.045
31783	9231	436	0.013	0.436
31784 Check	9231	487	0.014	0.487
31785	9232	7	<0.001	0.007
31786	9233	39	0.001	0.039
31787	9234	<5	<0.001	<0.005
31788	9235	<5	<0.001	<0.005
31789	9236	<5	<0.001	<0.005
31790	9237	<5	<0.001	<0.005
31791	9238	<5	<0.001	<0.005
31792	9239	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3, AL4ICPAR

Certified By: _____
Derek Domaniuk H.Bsc., Laboratory Manager

AL903-0361-06/24/2004 03:47 PM

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Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Standards Council of Canada Accredited Laboratory Scope of Accreditation 434 — Conseil canadien des normes Laboratoire accrédité Portée d'accréditation 434 ™

Superior Canadian Res. Inc.
Date Created: 04-06-28 12:11 PM
Job Number: 200440616
Date Recieved: 6/18/2004
Number of Samples: 18
Type of Sample: Rock
D Completed: 6/24/2004
Project ID:

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Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Tl ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31774	9351	<2	1.28	<3	33	<10	<1	1.98	<10	21	242	55	9.78	<0.01	1.08	682	<1	0.01	44	109	4	<10	<5	0.04	6	1321	<1	16	<10	4	46
31775	9352	<2	0.65	10	26	58	<1	0.44	<10	4	177	12	2.54	0.23	0.22	141	<1	0.05	7	174	4	<10	<5	0.01	8	498	<1	<2	<10	1	15
31776	9353	<2	0.67	41	26	37	<1	0.38	<10	5	108	20	3.32	0.15	0.35	177	<1	0.02	8	196	6	<10	<5	0.01	<5	652	<1	<2	<10	2	29
31777	9354	4	0.07	206	22	<10	<1	0.17	<10	2	410	914	1.79	0.01	0.05	<100	2	<0.01	6	<100	5	<10	<5	<0.01	<5	<100	<1	<2	<10	<1	12
31778	9355	<2	1.21	23	28	<10	<1	1.41	<10	20	236	727	6.12	0.03	0.56	320	<1	0.09	39	136	3	<10	<5	0.02	31	1615	<1	2	<10	6	31
31779	9227	<2	0.44	40	27	16	<1	1.47	<10	18	162	8	7.64	0.13	0.59	529	<1	<0.01	32	<100	13	<10	<5	0.02	32	<100	<1	2	<10	3	39
31780	9228	<2	0.62	38	30	20	<1	0.99	<10	24	296	10	9.88	0.16	0.54	682	2	0.03	42	<100	18	<10	<5	0.02	15	<100	<1	3	<10	3	54
31781	9229	<2	0.50	141	29	29	<1	0.89	<10	12	250	17	7.64	0.23	0.41	319	1	0.02	23	138	50	<10	<5	0.02	16	<100	<1	<2	<10	2	58
31782	9230	<2	0.39	24	24	45	<1	0.43	<10	4	226	12	2.52	0.17	0.09	115	<1	0.03	4	230	7	<10	<5	0.02	7	478	<1	<2	<10	2	11
31783	9231	<2	0.29	392	24	16	<1	0.37	<10	4	198	10	3.64	0.10	0.08	110	1	0.02	6	205	7	<10	<5	0.01	7	<100	<1	<2	<10	1	11
31784	9231	<2	0.31	385	25	17	<1	0.36	<10	4	205	10	3.60	0.11	0.08	109	1	0.02	7	204	6	<10	<5	0.01	7	<100	<1	<2	<10	1	10
31785	9232	<2	0.80	5	26	50	<1	0.55	<10	6	67	4	4.67	0.16	0.39	215	<1	0.03	7	315	4	<10	<5	0.02	7	<100	<1	<2	<10	1	36
31786	9233	<2	1.20	18	39	41	<1	1.83	<10	35	116	30	>10.00	0.16	0.72	988	<1	0.01	40	440	6	<10	<5	0.02	16	<100	<1	15	<10	2	65
31787	9234	<2	1.46	<3	36	<10	<1	1.90	<10	33	54	31	>10.00	<0.01	1.17	751	<1	0.02	42	396	6	<10	<5	0.03	30	4858	<1	54	<10	16	72
31788	9235	<2	0.63	<3	25	47	<1	0.21	<10	4	106	7	2.73	0.15	0.27	153	<1	0.01	6	247	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	26
31789	9236	<2	0.56	4	22	31	<1	0.22	<10	3	64	27	2.64	0.11	0.28	129	<1	0.02	9	182	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	28
31790	9237	<2	0.57	<3	22	52	<1	0.13	<10	2	59	2	1.66	0.20	0.20	<100	<1	0.02	5	142	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	19
31791	9238	<2	0.62	5	24	47	<1	0.04	<10	3	148	8	2.73	0.19	0.24	<100	<1	0.02	7	176	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	24
31792	9239	<2	0.52	6	23	40	<1	0.05	<10	3	105	12	2.55	0.15	0.20	<100	<1	0.02	5	203	4	<10	<5	0.01	<5	<100	<1	<2	<10	<1	20

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Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION
1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Standards Council of Canada Accredited Laboratory Scope of Accreditation 434
Conseil canadien des normes Laboratoires accrédités Portée d'accréditation 434 ™

Superior Canadian Res. Inc.
Date Created: 04-06-28 12:11 PM
Job Number: 200440617
Date Recieved: 6/18/2004
Number of Samples: 3
Type of Sample: Soil
D[illegible] Completed:
F[illegible]ct ID:

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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31793	9224	<2	1.04	13	32	12	<1	0.14	<10	17	54	54	8.78	0.02	0.60	255	<1	<0.01	28	150	8	<10	<5	0.02	7	2453	<1	32	<10	3	68
31794	9225	<2	0.73	<3	29	19	<1	0.11	<10	5	17	6	3.68	0.03	0.14	<100	<1	<0.01	9	150	6	<10	<5	0.02	8	791	<1	<2	<10	2	19
31795	9226	<2	1.08	6	30	60	<1	0.48	<10	8	31	13	4.38	0.10	0.44	423	<1	0.01	17	209	8	<10	<5	0.02	18	1144	<1	<2	<10	8	48
31796	9226	<2	1.11	4	33	62	<1	0.50	<10	9	32	14	4.53	0.09	0.46	444	<1	0.01	18	228	10	<10	<5	0.02	19	1203	<1	<2	<10	9	40

Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Tuesday, July 06, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 25-Jun-04
Date Completed : 29-Jun-04
Job # 200440670
Reference :
Sample #: 10 Rock

Accurassay #	Client Id	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
33829	9356							
33830	9357							
33831	9358							
33832	9359							
33833	9360							
33834	9361			4678				
33835	9362							
33836	9363							
33837	9364							
33838	9365							
33839 Check	9365							

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

AL901-0361-07/06/2004 12:50 PM

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Wednesday, June 30, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 25-Jun-04
Date Completed : 29-Jun-04
Job # 200440670
Reference :
Sample #: 10 Rock

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
33829	9356	<5	<0.001	<0.005
33830	9357	<5	<0.001	<0.005
33831	9358	<5	<0.001	<0.005
33832	9359	6	<0.001	0.006
33833	9360	<5	<0.001	<0.005
33834	9361	<5	<0.001	<0.005
33835	9362	<5	<0.001	<0.005
33836	9363	<5	<0.001	<0.005
33837	9364	10	<0.001	0.010
33838	9365	96	0.003	0.096
33839 Check	9365	93	0.003	0.093

PROCEDURE CODES: AL4Au3, AL4ICPAR

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

Accurassay Laboratories

A DIVISION OF ASSAY LABORATORY SERVICES INC. MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE: (807) 626-1630 FAX: (807) 623-6820 EMAIL: accuracy@tbaytel.net WEB: www.accurassay.com

Superior Canadian Res. Inc.
Date Created: 04-07-01 01:08 PM
Job Number: 200440670
Date Recieved: 6/25/2004
Number of Samples: 10
Type of Sample: Rock
Date Completed: 6/29/2004
Project ID:

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*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
33829	9356	<2	5.61	<3	53	21	<1	7.90	<10	66	276	183	>10.00	0.17	4.72	1913	<1	0.03	145	169	3	<10	<5	0.04	22	2006	<1	22	<10	14	97
33830	9357	<2	6.42	29	80	17	<1	9.44	<10	71	401	295	>10.00	0.23	4.95	1749	2	0.04	162	248	7	<10	<5	0.10	71	5519	<1	53	<10	19	103
33831	9358	<2	3.71	<3	35	16	<1	3.58	<10	28	312	182	2.71	0.13	0.73	459	1	0.59	58	147	4	<10	<5	0.04	81	2399	<1	<2	43	10	33
33832	9359	<2	0.80	4	28	71	<1	0.14	<10	5	464	45	1.35	0.32	0.13	110	929	0.07	8	231	9	<10	<5	0.03	13	381	6	<2	41	2	27
33833	9360	<2	4.00	3	40	22	<1	3.24	<10	37	276	277	3.60	0.19	1.42	670	15	0.40	95	224	9	<10	<5	0.04	95	3048	<1	2	40	6	27
33834	9361	6	3.15	<3	40	<10	<1	4.32	<10	76	332	>5,000	5.13	0.05	0.45	434	9	0.16	81	547	4	<10	<5	0.03	101	4520	<1	9	15	19	67
33835	9362	<2	3.71	<3	43	<10	<1	2.20	<10	37	173	121	5.37	0.03	2.22	909	<1	0.06	92	126	6	<10	<5	0.02	42	2361	<1	<2	25	7	56
33836	9363	<2	6.00	4	61	<10	<1	5.80	<10	78	197	298	>10.00	0.03	4.85	2020	<1	0.04	83	289	11	<10	<5	0.05	57	2363	<1	28	<10	29	121
33837	9364	<2	4.67	4	46	32	<1	8.26	<10	53	288	135	7.47	0.43	3.64	1823	1	0.15	131	167	14	<10	<5	0.05	32	2177	<1	32	18	16	119
33838	9365	5	5.00	35	56	<10	<1	>10.00	<10	163	357	4825	9.61	0.10	2.87	1242	3	0.09	159	209	9	<10	<5	0.10	31	3026	<1	37	23	16	71
33839	9365	6	4.89	34	56	<10	<1	>10.00	<10	160	347	4647	9.45	0.10	2.81	1210	2	0.09	149	209	6	<10	<5	0.10	31	3206	<1	40	37	16	71

MS

Certified By:
Derek Demianiuk, H.Bsc.

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Monday, July 19, 2004

Superior Canadian Res. Inc.
Suite 400, 441-5th Avenue S.W.
Calgary, AB, CA
T2P2V1
Ph#: (403) 232-8555
Fax#: (403) 262-1169
Email peterw@orcaoil.com

Date Received : 13-Jul-04
Date Completed : 19-Jul-04
Job # 200440788
Reference :
Sample #: 2 Rock

Accurassay #	Client Id	Al_2O_3 %	CaO %	Fe_2O_3 %	K_2O %	MgO %	MnO %	Na_2O %	P_2O_5 %	SiO_2 %	TiO_2 %	LOI %	Total %
39406	Jonsmith 1	15.216	3.166	3.162	1.206	0.608	0.037	5.534	0.067	66.738	0.330	3.226	99.290
39407	Jonsmith 2	29.069	10.189	10.203	0.290	5.124	0.160	2.317	0.063	39.475	0.768	1.413	99.071

PROCEDURE CODES: AL/ICPWR

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

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SUPERIOR CANADIAN RESOURCES INC.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL B: GAGNON AREA

SUPERIOR CANADIAN RESOURCES INC.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL B: GAGNON AREA

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
39408	9303	rock	NS-9	5587049	501293	<2	0.6	<3	8	<0.001	0.008	19	16	<1	0.04	<10	3	91	21	4.09	0.11	0.22	543	1	0.03	5	189	21	<10	<5	0.08	<5	542	<1	<2	<10	<1	83
39409	9304	rock	NS-9	5587049	501293	<2	1.01	4	6	<0.001	0.006	16	21	<1	0.07	<10	4	70	17	2.73	0.13	0.54	1009	1	0.02	6	279	7	<10	<5	0.04	<5	853	<1	<2	<10	<1	72
39410	9305	rock	NS-9	5587049	501293	<2	1.15	8	25	<0.001	0.025	23	10	<1	0.07	<10	20	210	46	5.62	0.03	0.69	1022	<1	0.05	16	115	14	<10	<5	0.06	<5	1747	<1	17	<10	<1	57
39411	9306	rock	main show.	5587077	501821	33	1.28	8	414	0.012	0.414	23	<10	<1	0.19	<10	50	141	>5,000	7.16	0.04	0.74	553	4	<0.01	92	303	13	<10	<5	0.05	11	1296	<1	9	29	<1	76
39412	9307	rock	main show.	5587077	501821	34	1.57	10	1633	0.048	1.633	25	<10	<1	0.27	<10	63	131	>5,000	7.14	0.04	0.94	678	4	<0.01	84	303	14	<10	<5	0.07	16	1574	<1	13	146	2	92
39413	9308	rock	trench 2	5587091	501625	<2	1.15	<3	17	<0.001	0.017	16	<10	<1	0.38	<10	16	146	1079	2.48	<0.01	0.69	532	<1	0.04	18	190	5	<10	<5	0.08	<5	3348	<1	21	<10	3	44
39414	9309	rock	trench 2	5587091	501625	<2	1.19	<3	12	<0.001	0.012	16	<10	<1	1.41	<10	35	107	390	2.74	<0.01	0.71	700	<1	0.04	65	211	4	<10	<5	0.11	9	2389	<1	10	<10	3	62
39415	9310	rock	trench 2	5587091	501625	<2	0.97	16	20	<0.001	0.019	21	<10	<1	0.29	<10	35	126	168	5	<0.01	0.58	367	<1	0.04	37	192	11	<10	<5	0.07	<5	3221	<1	21	<10	2	49
39416	9311	rock	south BL	5587091	501844	<2	1.64	<3	<5	<0.001	<0.005	17	<10	<1	0.29	<10	20	88	49	3.17	<0.01	1.06	708	<1	0.02	31	160	5	<10	<5	0.07	5	2432	<1	5	<10	1	62
39417	9312	rock	south BL	5587106	501663	<2	1.37	4	<5	<0.001	<0.005	16	15	<1	0.47	<10	28	88	91	3.05	0.01	0.89	520	<1	0.02	35	176	4	<10	<5	0.09	7	2338	<1	9	<10	2	71
39418	9312	rock	south BL	5587106	501663	<2	1.36	<3	<5	<0.001	<0.005	16	15	<1	0.47	<10	28	87	87	3.03	0.01	0.89	515	<1	0.02	35	174	5	<10	<5	0.09	7	2283	<1	8	<10	1	72
39419	9313	rock	south BL	5587110	501656	<2	1.65	<3	16	<0.001	0.018	17	<10	<1	0.21	<10	17	72	63	4.13	<0.01	1.08	578	<1	0.02	12	228	6	<10	<5	0.1	<5	3176	<1	15	<10	1	67
39420	9314	rock	NS-8	5587303	502143	13	1.63	<3	133	0.004	0.133	18	<10	<1	0.34	<10	46	116	>5,000	3.83	0.02	0.98	507	<1	0.03	129	281	7	<10	<5	0.05	13	1799	<1	13	<10	3	86
39421	9315	rock	NS-8	5587303	502143	12	1.65	6	125	0.004	0.125	20	12	<1	1.16	<10	52	106	>5,000	4.95	0.07	1	619	<1	0.04	140	262	11	<10	<5	0.1	16	1793	<1	19	<10	4	105
39422	9316	rock	NS-7	5587306	502179	15	1.69	15	401	0.012	0.401	21	11	<1	0.72	<10	42	115	>5,000	5.01	0.03	1.01	583	4	0.04	89	309	9	<10	<5	0.08	10	2199	<1	30	<10	6	83
39423	9317	rock	NS-7	5587306	502179	<2	1.67	7	36	0.001	0.036	19	12	<1	1.76	<10	40	136	536	3.83	0.1	0.97	534	<1	0.1	71	234	7	<10	<5	0.09	26	1604	<1	24	<10	3	49
39424	9318	rock	NS-7	5587306	502179	3	1.6	7	36	0.001	0.036	19	18	<1	4.72	<10	65	117	2793	4.17	0.1	0.98	842	<1	0.06	176	210	14	<10	<5	0.11	25	1293	<1	27	<10	5	48
39425	9319	rock	NS-8	5587258	502175	<2	0.67	<3	79	0.002	0.079	13	17	<1	2.35	<10	10	75	1267	1.48	0.1	0.65	562	<1	0.04	20	279	5	<10	<5	0.04	37	<100	<1	<2	<10	3	30
39426	9320	rock	NS-8	5587258	502175	4	1.33	9	65	0.002	0.065	16	17	<1	1.55	<10	19	94	2563	2.88	0.06	0.85	859	<1	0.03	34	189	21	<10	<5	0.08	14	<100	<1	<2	<10	3	126
39427	9321	rock	NS-8	5587258	502175	12	1.11	35	211	0.006	0.211	17	12	<1	0.97	<10	48	78	>5,000	3.64	0.06	0.77	900	<1	0.01	54	352	24	<10	<5	0.05	9	<100	<1	<2	<10	3	113
39428	9321	rock	NS-8	5587258	502175	11	1.09	33	231	0.007	0.231	17	11	<1	0.94	<10	46	75	>5,000	3.53	0.05	0.75	869	<1	0.01	53	323	22	<10	<5	0.05	8	<100	<1	<2	<10	3	109
39429	9322	rock	NS-8	5587258	502175	13	0.71	30	166	0.005	0.166	14	<10	<1	0.97	<10	28	105	>5,000	1.99	0.06	0.57	565	<1	0.04	21	264	126	<10	<5	0.07	10	<100	<1	<2	<10	3	255
39430	9323	rock	NS-10	5587298	502160	<2	0.61	51	14	<0.001	0.013	13	96	<1	0.11	<10	9	93	112	1.73	0.28	0.25	<100	<1	0.03	31	237	7	<10	<5	0.02	<5	1812	<1	10	11	2	10

2.32526

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SUPERIOR CANADIAN RESOURCES INC.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL A: KOWKASH

SUPERIOR CANADIAN RESOURCES INC.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL A: KOWKASH

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31774	9351	rock	5+70W 0+80S			<2	1.28	<3	<5	<0.001	<0.005	33	<10	<1	1.98	<10	21	242	55	9.78	<0.01	1.08	682	<1	0.01	44	109	4	<10	<5	0.04	8	1321	<1	16	<10	4	48
31775	9352	rock	0+35E 7+00S			<2	0.65	10	<5	<0.001	<0.005	26	58	<1	0.44	<10	4	177	12	2.54	0.23	0.22	141	<1	0.05	7	174	4	<10	<5	0.01	8	498	<1	<2	<10	1	15
31776	9353	rock	0+35E 7+00S			<2	0.67	41	30	<0.001	0.03	26	37	<1	0.38	<10	5	108	20	3.32	0.15	0.35	177	<1	0.02	8	196	6	<10	<5	0.01	<5	852	<1	<2	<10	2	29
31777	9354	rock	1+00E 4+77S			4	0.07	206	78	0.002	0.078	22	<10	<1	0.17	<10	2	410	914	1.79	0.01	0.05	<100	2	<0.01	6	<100	5	<10	<5	<0.01	<5	<100	<1	<2	<10	<1	12
33829	9356	rock	3+60W 3+25S			<2	5.61	<3	<5	<0.001	<0.005	53	21	<1	7.9	<10	66	276	183	>10.00	0.17	4.72	1913	<1	0.03	145	169	3	<10	<5	0.04	22	2008	<1	22	<10	14	97
33830	9357	rock	2+99E 2+19N			<2	6.42	29	<5	<0.001	<0.005	80	17	<1	9.44	<10	71	401	295	>10.00	0.23	4.95	1749	2	0.04	162	248	7	<10	<5	0.1	71	5519	<1	53	<10	19	103
33831	9358	rock	0+77E 6+50S			<2	3.71	<3	<5	<0.001	<0.005	35	16	<1	3.58	<10	28	312	182	2.71	0.13	0.73	459	1	0.59	58	147	4	<10	<5	0.04	81	2399	<1	<2	43	10	33
33832	9359	rock	3+45E 4+80S			<2	0.8	4	<5	<0.001	0.006	26	71	<1	0.14	<10	5	464	45	1.35	0.32	0.13	110	929	0.07	8	231	9	<10	<5	0.03	13	381	6	<2	41	2	27
33833	9360	rock	3+70E 2+25S			<2	4	3	<5	<0.001	<0.005	40	22	<1	3.24	<10	37	276	277	3.6	0.19	1.42	670	15	0.4	95	224	9	<10	<5	0.04	95	3048	<1	2	40	6	27
33834	9361	rock	3+75E 1+40S			6	3.15	<3	<5	<0.001	<0.005	40	<10	<1	4.32	<10	76	332	>5,000	5.13	0.05	0.45	434	9	0.18	81	547	4	<10	<5	0.03	101	4520	<1	9	15	19	67
33835	9362	rock	3+62W 0+76S			<2	3.71	<3	<5	<0.001	<0.005	43	<10	<1	2.2	<10	37	173	121	5.37	0.03	2.22	909	<1	0.06	92	126	6	<10	<5	0.02	42	2361	<1	<2	25	7	56
33836	9363	rock	4+00W 1+90S			<2	6	4	<5	<0.001	<0.005	61	<10	<1	5.8	<10	78	197	298	>10.00	0.03	4.85	2020	<1	0.04	83	289	11	<10	<5	0.05	57	2363	<1	28	<10	29	121
33837	9364	rock	1+20S 2+22E			<2	4.67	4	10	<0.001	0.01	46	32	<1	8.26	<10	53	288	135	7.47	0.43	3.64	1823	1	0.15	131	167	14	<10	<5	0.05	32	2177	<1	32	18	18	119
33838	9365	rock	0+99S 1+80E	5587900	497446	5	5	35	96	0.003	0.096	58	<10	<1	>10.00	<10	183	357	4825	9.61	0.1	2.87	1242	3	0.09	159	209	9	<10	<5	0.1	31	3026	<1	37	23	16	71
33839	9365	rock	0+99S 1+80E	5587900	497446	6	4.89	34	93	0.003	0.093	56	<10	<1	>10.00	<10	160	347	4647	9.45	0.1	2.81	1210	2	0.09	149	209	8	<10	<5	0.1	31	3206	<1	40	37	16	71
39431	9366	rock	1+50N 2+30E	5588100	497593	<2	1.29	<3	9	<0.001	0.009	12	14	<1	0.76	<10	18	72	190	1.36	0.06	0.38	232	<1	0.17	47	146	4	<10	<5	0.07	19	862	<1	<2	<10	2	32
39432	9367	rock	2+00N 1+85E	5588170	497568	<2	1.38	<3	13	<0.001	0.013	15	<10	<1	1.06	<10	38	87	397	2.46	0.07	0.53	311	<1	0.13	96	224	5	<10	<5	0.06	21	1322	<1	<2	<10	4	57
39433	9368	rock	1+00E 4+77S			<2	1.23	92	72	0.002	0.072	15	11	<1	4.17	<10	28	99	115	3.41	0.31	1.09	1063	<1	0.02	80	206	7	<10	<5	0.04	87	508	<1	10	<10	2	47

Superior Canadian Resources Inc.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL A: CRYD-1

Superior Canadian Resources Inc..
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL A: CRYD-1

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31782	9230	rock	Cryd-1	5585625	493280	<2	0.39	24	45	0.001	0.045	24	45	<1	0.43	<10	4	226	12	2.52	0.17	0.09	115	<1	0.03	4	230	7	<10	<5	0.02	7	478	<1	<2	<10	2	11
33857	9258	soil	L00 0+60S			<2	1.17	7	<5	<0.001	<0.005	32	97	<1	3.33	<10	15	21	43	1.17	0.14	0.34	1214	2	0.03	18	816	21	<10	<5	<0.01	44	559	6	2	<10	6	38
33858	9257	soil	L00 0+70S			<2	1.03	14	<5	<0.001	<0.005	38	75	<1	2.64	<10	11	27	50	1.65	0.1	0.4	1146	<1	0.03	14	987	12	<10	<5	<0.01	39	778	4	4	10	10	22
33860	9258	soil	L00 0+80S			<2	1.42	3	<5	<0.001	<0.005	45	59	<1	4.5	<10	12	42	18	1.96	0.23	2.06	454	2	0.04	19	613	12	<10	<5	0.02	47	1526	<1	17	14	11	24
33861	9259	soil	L00 0+90S			<2	1.35	8	<5	<0.001	<0.005	47	55	<1	6.84	<10	11	38	24	1.82	0.24	2.23	411	<1	0.04	37	584	10	<10	5	0.02	60	1498	<1	20	20	11	23
33862	9260	soil	L00 1+00S			<2	1.48	8	<5	<0.001	<0.005	40	52	<1	1.19	<10	12	45	46	2.06	0.15	0.56	480	<1	0.03	45	822	13	<10	<5	0.02	33	1578	<1	6	12	11	25
33863	9261	soil	L00 1+10S			<2	1.26	7	<5	<0.001	<0.005	41	36	<1	0.96	<10	15	41	51	1.79	0.12	0.49	310	<1	0.04	64	312	12	<10	<5	<0.01	23	1231	<1	5	<10	8	31
33864	9262	soil	L1W 0+50N			<2	0.75	<3	<5	<0.001	<0.005	32	25	<1	0.18	<10	8	19	4	1.25	0.07	0.15	131	1	0.02	12	112	12	<10	<5	<0.01	13	978	<1	9	36	3	18
33865	9263	soil	L1W 0+60N			<2	1.29	<3	<5	<0.001	<0.005	45	42	<1	2.08	<10	10	35	18	1.72	0.15	1.02	213	<1	0.04	33	330	10	<10	<5	0.02	31	1323	4	8	<10	11	20
33866	9264	soil	L1W 0+70N			<2	1.2	6	<5	<0.001	<0.005	38	32	<1	0.6	<10	10	33	9	2.07	0.11	0.39	251	<1	0.03	62	310	8	<10	<5	0.02	19	1397	<1	9	<10	6	22
33867	9265	soil	L1W 0+90N			<2	0.99	16	<5	<0.001	<0.005	39	129	<1	4.26	<10	14	27	77	1.7	0.1	0.37	2751	<1	0.03	22	1088	8	<10	9	<0.01	60	516	3	4	<10	10	21
33868	9266	soil	L1W 1+00N			<2	1.31	24	<5	<0.001	<0.005	35	157	<1	2.2	<10	17	29	58	2.41	0.11	0.32	4038	<1	0.02	16	1128	13	<10	<5	<0.01	38	713	<1	3	<10	12	23
33869	9267	soil	L1W 1+10N			<2	1.22	9	32	<0.001	0.032	20	63	<1	0.53	<10	13	38	12	1.72	0.08	0.51	329	<1	0.02	15	219	12	<10	<5	<0.01	21	1614	<1	18	17	4	38
33870	9267	soil	L1W 1+10N			NO SAMPLE RECEIVED																					NO SAMPLE RECEIVED										
33871	9268	soil	L00 0+30S			<2	0.85	11	<5	<0.001	<0.005	35	24	<1	0.25	<10	9	28	5	1.83	0.09	0.27	124	2	0.02	17	208	11	<10	<5	0.01	13	1263	<1	14	<10	3	15

Superior Canadian Resources Inc.
AURUM PROJECT
O'SULLIVAN LAKE AREA
CELL A: CRYD-2

Superior Canadian Resoources Inc.
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O'SULLIVAN LAKE AREA
CELL A: CRYD-2

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31783	9231	rock	Camdeck E.	5585856	494664	<2	0.29	392	436	0.013	0.436	24	16	<1	0.37	<10	4	198	10	3.64	0.1	0.08	110	1	0.02	6	205	7	<10	<5	0.01	7	<100	<1	<2	<10	1	11
31784	9231	rock	Camdeck E.	5585856	494664	<2	0.31	385	487	0.014	0.487	25	17	<1	0.36	<10	4	205	10	3.6	0.11	0.08	109	1	0.02	7	204	6	<10	<5	0.01	7	<100	<1	<2	<10	1	10
31785	9232	rock	Camdeck E.	5585789	494595	<2	0.8	5	7	<0.001	0.007	26	50	<1	0.55	<10	6	67	4	4.67	0.16	0.39	215	<1	0.03	7	315	4	<10	<5	0.02	7	<100	<1	<2	<10	1	36
31786	9233	rock	Camdeck E.	5585786	494583	<2	1.2	18	39	0.001	0.039	39	41	<1	1.83	<10	35	116	30	>10.00	0.16	0.72	988	<1	0.01	40	440	6	<10	<5	0.02	16	<100	<1	15	<10	2	65
31787	9234	rock	Camdeck E.	5585742	494528	<2	1.46	<3	<5	<0.001	<0.005	36	<10	<1	1.9	<10	33	54	31	>10.00	<0.01	1.17	751	<1	0.02	42	396	6	<10	<5	0.03	30	4858	<1	54	<10	16	72
31788	9235	rock	Camdeck E.	5585747	494528	<2	0.63	<3	<5	<0.001	<0.005	25	47	<1	0.21	<10	4	106	7	2.73	0.15	0.27	153	<1	0.01	6	247	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	26
31789	9236	rock	Camdeck E.	5585744	494528	<2	0.58	4	<5	<0.001	<0.005	22	31	<1	0.22	<10	3	64	27	2.64	0.11	0.28	129	<1	0.02	9	182	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	28
31790	9237	rock	Camdeck E.	5585745	494527	<2	0.57	<3	<5	<0.001	<0.005	22	52	<1	0.13	<10	2	59	2	1.66	0.2	0.2	<100	<1	0.02	5	142	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	19
31791	9238	rock	Camdeck E.	5585745	494527	<2	0.62	5	<5	<0.001	<0.005	24	47	<1	0.04	<10	3	148	8	2.73	0.19	0.24	<100	<1	0.02	7	176	3	<10	<5	0.02	<5	<100	<1	<2	<10	<1	24
31792	9239	rock	Camdeck E.	5585745	494527	<2	0.52	6	<5	<0.001	<0.005	23	40	<1	0.05	<10	3	105	12	2.55	0.15	0.2	<100	<1	0.02	5	203	4	<10	<5	0.01	<5	<100	<1	<2	<10	<1	20
33840	9240	soil	L1W1+20N	5585760	494532	<2	1.15	3	<5	<0.001	<0.005	40	22	<1	0.52	<10	8	26	13	1.24	0.08	0.33	137	<1	0.03	29	450	13	<10	<5	0.03	19	1100	<1	<2	19	6	32
33841	9241	soil	L1W1+30N			<2	0.96	3	<5	<0.001	<0.005	46	40	<1	>10.00	<10	10	27	9	1.31	0.2	2.99	304	<1	0.05	21	454	6	<10	<5	0.02	87	1305	<1	35	<10	9	27
33842	9242	soil	L1W1+40N			<2	1.16	4	<5	<0.001	<0.005	54	55	<1	>10.00	<10	9	32	12	1.58	0.31	3.18	430	2	0.06	20	458	5	<10	<5	0.02	97	1376	<1	37	<10	10	34
33843	9243	soil	L1W1+50N			<2	0.75	<3	<5	<0.001	<0.005	47	27	<1	7.89	<10	6	22	9	1.12	0.16	1.87	231	<1	0.04	25	383	14	<10	<5	0.02	61	1080	<1	22	23	7	26
33844	9244	soil	L1W1+60N			<2	0.95	<3	<5	<0.001	<0.005	53	39	<1	>10.00	<10	8	29	9	1.37	0.26	3.37	319	1	0.05	23	459	9	<10	<5	0.02	99	1386	<1	48	<10	10	26
33845	9245	soil	L00 0+50S			<2	1.01	<3	<5	<0.001	<0.005	50	41	<1	>10.00	<10	9	29	10	1.4	0.27	3.01	317	1	0.05	22	441	10	<10	<5	0.02	88	1345	1	37	19	10	28
33846	9246	soil	L00 0+60S			<2	0.89	4	<5	<0.001	<0.005	52	41	<1	>10.00	<10	8	26	9	1.3	0.23	3	357	2	0.05	29	467	4	<10	<5	0.02	87	1309	<1	40	19	9	27
33847	9247	soil	L00 0+70S			<2	1.99	18	68	0.002	0.068	49	45	<1	1.53	<10	39	33	9	6.22	0.07	0.83	1168	<1	0.04	60	634	19	<10	<5	0.01	26	<100	<1	25	<10	2	88
33848	9248	soil	L00 1+10S			<2	1.67	4	<5	<0.001	<0.005	54	65	<1	6.54	<10	11	43	14	1.94	0.27	2.88	306	1	0.05	33	550	15	<10	<5	0.02	58	1857	<1	22	32	12	28
33849	9249	soil	L00 0+50S			<2	0.94	4	<5	<0.001	<0.005	48	33	<1	>10.00	<10	8	28	13	1.37	0.21	2.65	264	<1	0.05	17	453	10	<10	<5	0.02	83	1343	<1	32	37	10	22
33850	9249	soil	L00 0+50S			<2	0.93	4	<5	<0.001	<0.005	42	26	<1	3.63	<10	9	28	5	1.3	0.11	1.15	252	<1	0.03	22	366	9	<10	<5	0.02	38	1225	<1	12	<10	8	20
33851	9250	soil	L00 0+60S			<2	0.98	3	<5	<0.001	<0.005	36	33	<1	>10.00	<10	11	30	17	1.37	0.22	2.7	269	2	0.05	20	476	13	<10	<5	0.02	86	1370	<1	35	<10	10	23
33852	9251	soil	L00 0+70S			<2	0.9	3	<5	<0.001	<0.005	48	24	<1	0.47	<10	9	27	4	1.37	0.09	0.33	196	1	0.03	23	397	9	<10	<5	0.02	21	1269	<1	6	19	7	21
33853	9252	soil	L1E 0+70N			<2	1.24	3	<5	<0.001	<0.005	53	54	<1	>10.00	<10	10	34	12	1.6	0.32	3.14	367	<1	0.05	18	458	9	<10	<5	0.02	98	1413	5	35	10	10	26
33854	9253	soil	L1E 0+80N			<2	0.9	<3	<5	<0.001	<0.005	48	37	<1	>10.00	<10	9	28	10	1.29	0.21	2.84	280	<1	0.05	16	455	9	<10	<5	0.02	78	1216	7	36	29	9	20
33855	9254	soil	L1E 0+90N			<2	0.85	<3	<5	<0.001	<0.005	50	34	<1	>10.00	<10	8	25	10	1.25	0.17	3	273	1	0.05	16	370	10	<10	<5	<0.01	84	949	<1	40	<10	9	19
33856	9255	soil	L00 0+10S			<2	1.67	<3	<5	<0.001	<0.005	20	44	<1	0.7	<10	9	39	24	1.51	0.08	0.42	108	<1	0.03	34	161	13	<10	<5	0.01	21	1340	<1	4	37	5	28
40053	9302	rock	cryd-2 area	5587721	484484	<2	0.38	<3	5			12	27	<1	7.21	<10	10	54	25	3.43	0.08	0.79	2002	<1	0.02	13	110	11	<10	<5	0.03	72	<100	<1	31	<10	4	22
40054	9302	rock	cryd-2 area	5587721	484484	<2	0.38	5	5			12	27	<1	7.3	<10	10	55	24	3.45	0.08	0.8	2024	<1	0.02	13	108	10	<10	<5	0.03	73	<100	<1	31	<10	4	23

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CELL B: NS-1, NS-2

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CELL B: NS-1, NS-2

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
30038	9201	rock	NS-1	5587883	501517	<2	1.02	<3	<5	<0.001	<0.005	38	47	<1	0.53	<10	38	163	123	3.09	0.08	1.12	541	<1	<0.01	66	185	4	<10	<5	0.04	17	2786	<1	5	<10	6	104
30039	9202	rock	NS-1	5587883	501517	<2	1	<3	<5	<0.001	<0.005	37	56	<1	0.44	<10	15	194	120	2.87	0.1	1.11	536	<1	0.01	17	149	2	<10	<5	0.06	12	3121	<1	17	<10	6	73
30040	9203	rock	NS-1	5587883	501517	<2	0.91	<3	5	<0.001	0.005	38	33	<1	0.2	<10	26	179	187	3.12	0.05	1.05	505	<1	<0.01	33	125	4	<10	<5	0.05	6	1862	<1	8	<10	3	73
30041	9204	rock	NS-1	5587883	501517	<2	0.84	16	<5	<0.001	<0.005	30	159	<1	0.52	<10	17	139	25	1.88	0.23	0.8	331	<1	<0.01	30	237	1	<10	<5	0.05	14	3278	<1	6	<10	7	47
30042	9205	rock	NS-2	5587972	501572	<2	0.22	<3	27	<0.001	0.027	31	<10	<1	6.91	<10	9	147	21	2.06	0.05	1.54	864	1	<0.01	26	123	3	<10	<5	0.02	92	<100	2	94	<10	4	18
30043	9206	rock	NS-2	5587972	501572	<2	0.18	<3	<5	<0.001	<0.005	32	<10	<1	9.26	<10	7	27	11	2.65	0.01	1.68	1241	<1	<0.01	17	<100	4	<10	<5	0.02	85	<100	4	170	<10	3	25
30044	9207	rock	NS-2	5587972	501572	<2	0.87	19	843	0.025	0.843	37	18	<1	1.16	<10	51	129	44	3.58	0.16	1.08	359	<1	<0.01	141	201	6	<10	<5	0.04	21	<100	<1	4	<10	1	44

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CELL B: NS-3

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CELL B: NS-3

Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo	Na	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
30045	9208	rock	NS-3	5585077	498863	<2	0.94	<3	<5	<0.001	<0.005	35	<10	<1	0.9	<10	32	166	85	3.28	<0.01	0.98	987	<1	0.01	43	181	4	<10	<5	0.07	16	3908	<1	21	<10	4	66
30046	9209	rock	NS-3	5585077	498863	<2	0.97	<3	<5	<0.001	<0.005	38	<10	<1	0.63	<10	32	186	57	3.25	<0.01	1.17	1020	<1	0.01	55	233	4	<10	<5	0.04	5	4611	<1	53	<10	5	93
30047	9210	soil	L00 1+00S(a)	5585039	498855	<2	0.05	<3	<5	<0.001	<0.005	28	15	<1	0.89	<10	<1	8	2	0.09	<0.01	0.07	<100	<1	<0.01	4	182	4	<10	<5	0.02	9	<100	<1	<2	<10	<1	5
30048	9210	soil	L00 1+00S(a)	5585039	498855	<2	0.05	<3	<5	<0.001	<0.005	30	15	<1	0.92	<10	<1	8	2	0.09	<0.01	0.07	<100	<1	<0.01	3	181	4	<10	<5	0.02	9	<100	2	<2	<10	<1	5
30049	9211	soil	L00 1+10S(a)	5585039	498855	<2	0.04	<3	<5	<0.001	<0.005	31	15	<1	0.89	<10	<1	3	2	0.06	<0.01	0.05	<100	<1	<0.01	<1	195	5	<10	<5	0.02	9	<100	<1	<2	<10	<1	3
30050	9212	soil	L00 1+20S(a)	5585039	498855	<2	0.06	<3	46	0.001	0.046	30	16	<1	1.13	<10	<1	4	3	0.19	0.01	0.08	<100	<1	<0.01	2	364	7	<10	<5	0.02	13	<100	<1	<2	<10	<1	5
30051	9213	rock	Old Trench	5585057	498817	<2	0.62	<3	<5	<0.001	<0.005	36	30	<1	0.31	<10	3	315	42	2.12	0.07	0.75	478	1	<0.01	10	<100	3	<10	<5	0.06	<5	955	<1	7	<10	2	69
30052	9214	rock	Old Trench	5585057	498817	<2	0.71	90	99	0.003	0.099	63	12	<1	0.33	<10	36	84	149	8.62	0.04	0.87	640	<1	<0.01	26	141	23	<10	<5	0.02	<5	1914	<1	9	<10	5	77
30053	9215	rock	Old Trench	5585057	498817	<2	1.01	<3	<5	<0.001	<0.005	41	16	<1	0.53	<10	13	185	162	4.05	0.04	1.41	1131	<1	0.02	44	261	3	<10	<5	0.05	<5	4188	<1	73	<10	9	115
30054	9216	rock	Old Trench	5585057	498817	<2	0.59	101	34	0.001	0.034	57	<10	<1	2.01	<10	155	83	197	8.34	0.04	0.78	691	<1	<0.01	21	<100	20	<10	<5	0.06	<5	828	<1	5	<10	3	230
30055	9217	rock	Off L1W	5585037	498745	<2	0.94	10	<5	<0.001	<0.005	32	<10	<1	1.21	<10	38	151	71	2.71	<0.01	1.19	1106	<1	0.02	68	230	3	<10	<5	0.06	18	3091	<1	28	<10	5	35
33872	9269	soil	L00 0+80S			<2	1.4	5	<5	<0.001	<0.005	34	62	<1	3.89	<10	10	33	82	1.67	0.04	0.17	193	2	0.02	47	740	5	<10	<5	<0.01	21	662	<1	<2	11	4	31
33873	9270	soil	L00 0+90S			<2	0.25	<3	<5	<0.001	<0.005	37	51	<1	3.11	<10	5	6	15	0.18	0.02	0.11	258	<1	0.02	12	185	11	<10	<5	0.01	29	<100	<1	<2	<10	<1	33
33874	9271	soil	L00 1+00S(b)			<2	0.19	5	<5	<0.001	<0.005	33	50	<1	2.85	<10	4	5	11	0.15	0.02	0.14	<100	2	0.02	5	225	12	<10	6	0.02	30	<100	3	<2	30	<1	24
33875	9272	soil	L00 1+10S(b)			<2	0.18	<3	<5	<0.001	<0.005	37	48	<1	2.85	<10	4	5	8	0.12	0.02	0.11	<100	<2	0.02	9	183	8	<10	<5	<0.01	29	<100	<1	<2	28	<1	28
33876	9273	soil	L00 1+20S(b)			<2	0.18	<3	<5	<0.001	<0.005	38	45	<1	2.93	<10	2	5	6	0.13	0.02	0.11	<100	2	0.02	7	214	12	<10	<5	<0.01	30	<100	<1	<2	<10	<1	25
33877	9274	soil	VLFx-over	5585088	498822	<2	0.2	<3	<5	<0.001	<0.005	39	55	<1	1.88	<10	3	3	8	0.1	0.01	0.05	<100	<3	0.02	8	107	8	<10	<5	<0.01	24	<100	10	<2	27	<1	41
33878	9275	soil	VLFx-over	5585048	498816	<2	2.87	6	<5	<0.001	<0.005	17	65	<1	0.52	<10	16	55	149	2.41	0.16	0.52	153	2	0.02	45	640	17	<10	<5	0.01	20	1181	<1	<2	14	24	70
33879	9276	soil	VLFx-over	5585061	498817	<2	4.18	63	<5	<0.001	<0.005	27	39	<1	0.24	<10	40	113	408	>10.00	0.09	1.02	489	<2	0.02	109	371	42	<10	<5	0.03	<5	2079	<1	20	<10	20	240
33880	9277	soil	VLFx-over	5585054	498810	<2	4.05	60	<5	<0.001	<0.005	27	38	<1	0.24	<10	37	108	387	>10.00	0.08	1	487	2	0.02	108	356	46	<10	<5	0.02	<5	1998	<1	18	<10	19	231
33881	9277	soil	VLFx-over	5585054	498810	<2	2.53	<3	<5	<0.001	<0.005	38	99	<1	4.3	<10	15	50	44	2.61	0.2	1.25	348	<3	0.02	40	348	15	<10	<5	0.04	44	1574	<1	3	<10	12	43
33882	9278	soil	L00 0+30S			<2	2.14	4	<5	<0.001	<0.005	28.6	63.467	<1	1.0313	<10	29.8	90.133	267.53	0.9714	0.1533	1.1653	323	2	0.02	80.267	325.67	34.533	<10	<5	<0.02	24.286	662	<1	<2	11	4	167.13

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CELL B: NS-4

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Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
30056	9218	rock	NS-4	5586048	500295	<2	1.07	64	6	<0.001	0.006	38	13	<1	0.17	<10	31	111	24	3.89	0.03	1.11	760	8	<0.01	80	236	18	<10	<5	0.02	<5	<100	<1	10	<10	1	171
30057	9219	rock	NS-4	5586048	500295	4	0.18	237	35	0.001	0.035	32	<10	<1	6.91	<10	20	92	79	2.64	0.02	1.3	2527	<1	<0.01	98	<100	465	<10	<5	0.02	41	<100	3	67	<10	4	1099
30058	9219	rock	NS-4	5586048	500295	4	0.18	239	30	<0.001	0.03	34	<10	<1	7	<10	20	89	80	2.66	0.02	1.3	2551	<1	<0.01	99	<100	471	<10	<5	0.02	41	<100	2	68	<10	4	1120
30059	9220	rock	NS-4	5586048	500295	5	0.08	252	31	<0.001	0.031	34	<10	<1	8.48	<10	26	43	80	3.21	<0.01	1.5	2928	<1	<0.01	102	<100	251	<10	<5	0.01	37	<100	2	156	<10	4	364
30060	9221	rock	NS-4	5586035	500305	2	0.98	58	9	<0.001	0.009	36	23	<1	1.63	<10	18	158	84	3.24	0.16	1.08	1025	6	0.01	59	182	183	<10	<5	0.05	14	<100	2	13	<10	2	838
30061	9222	rock	NS-4	5586048	500305	5	0.61	69	31	<0.001	0.031	35	17	<1	1.05	<10	21	88	146	2.38	0.03	0.65	1218	<1	<0.01	33	<100	332	<10	<5	0.03	8	<100	<1	6	<10	1	770
30062	9223	rock	NS-4	5586055	5003011	<2	0.68	152	68	0.002	0.068	65	<10	<1	1.74	<10	20	45	187	9.15	0.01	0.6	532	1	<0.01	35	186	42	<10	<5	0.02	20	<100	<1	31	<10	<1	74
31793	9224	soil	L1E 1+10N			<2	1.04	13				32	12	<1	0.14	<10	17	54	54	8.78	0.02	0.6	255	<1	<0.01	28	150	8	<10	<5	0.02	7	2453	<1	32	<10	3	68
31794	9225	soil	L1E 1+00N			<2	0.73	<3				29	19	<1	0.11	<10	5	17	6	3.68	0.03	0.14	<100	<1	<0.01	9	150	6	<10	<5	0.02	8	791	<1	<2	<10	2	19
31795	9226	soil	L1E 0+90N			<2	1.08	6				30	60	<1	0.48	<10	8	31	13	4.38	0.1	0.44	423	<1	0.01	17	209	8	<10	<5	0.02	18	1144	<1	<2	<10	8	48
31796	9226	soil	L1E 0+90N			<2	1.11	4				33	62	<1	0.5	<10	9	32	14	4.53	0.09	0.46	444	<1	0.01	18	228	10	<10	<5	0.02	19	1203	<1	<2	<10	9	40

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Accur. #	Sample #	Sample Type	Area	UTM Northing	UTM Easting	Ag ppm	Al %	As ppm	Au PPB	Au oz/t	Au PPM	B ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
31779	9227	rock	NS-5 area	5585928	500102	<2	0.44	40	65	0.002	0.065	27	16	<1	1.47	<10	18	162	8	7.64	0.13	0.59	529	<1	<0.01	32	<100	13	<10	<5	0.02	32	<100	<1	2	<10	3	39
31780	9228	rock	NS-5 area	5585928	500102	<2	0.62	38	45	0.001	0.045	30	20	<1	0.99	<10	24	296	10	9.88	0.16	0.54	882	2	0.03	42	<100	18	<10	<5	0.02	15	<100	<1	3	<10	3	54
31761	9229	rock	NS-5 area	5585929	500108	<2	0.5	141	175	0.005	0.175	29	29	<1	0.89	<10	12	250	17	7.64	0.23	0.41	319	1	0.02	23	138	50	<10	<5	0.02	15	<100	<1	<2	<10	2	58
40052	9301	rock	NS-5 area	5585950	500105	<2	0.44	76	422			10	17	<1	0.03	<10	6	221	40	3.81	0.07	0.06	<100	2	0.06	7	286	13	<10	<5	0.06	8	<100	<1	<2	<10	3	3