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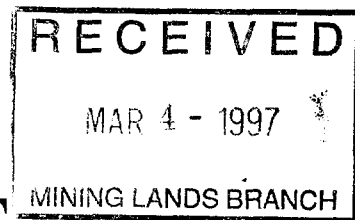
**CASSON LAKE PROJECT**  
Curtin Township  
Sudbury Mining Division

*Check #  
215062*

by

**DAN BRUNNE**

*Prospector*



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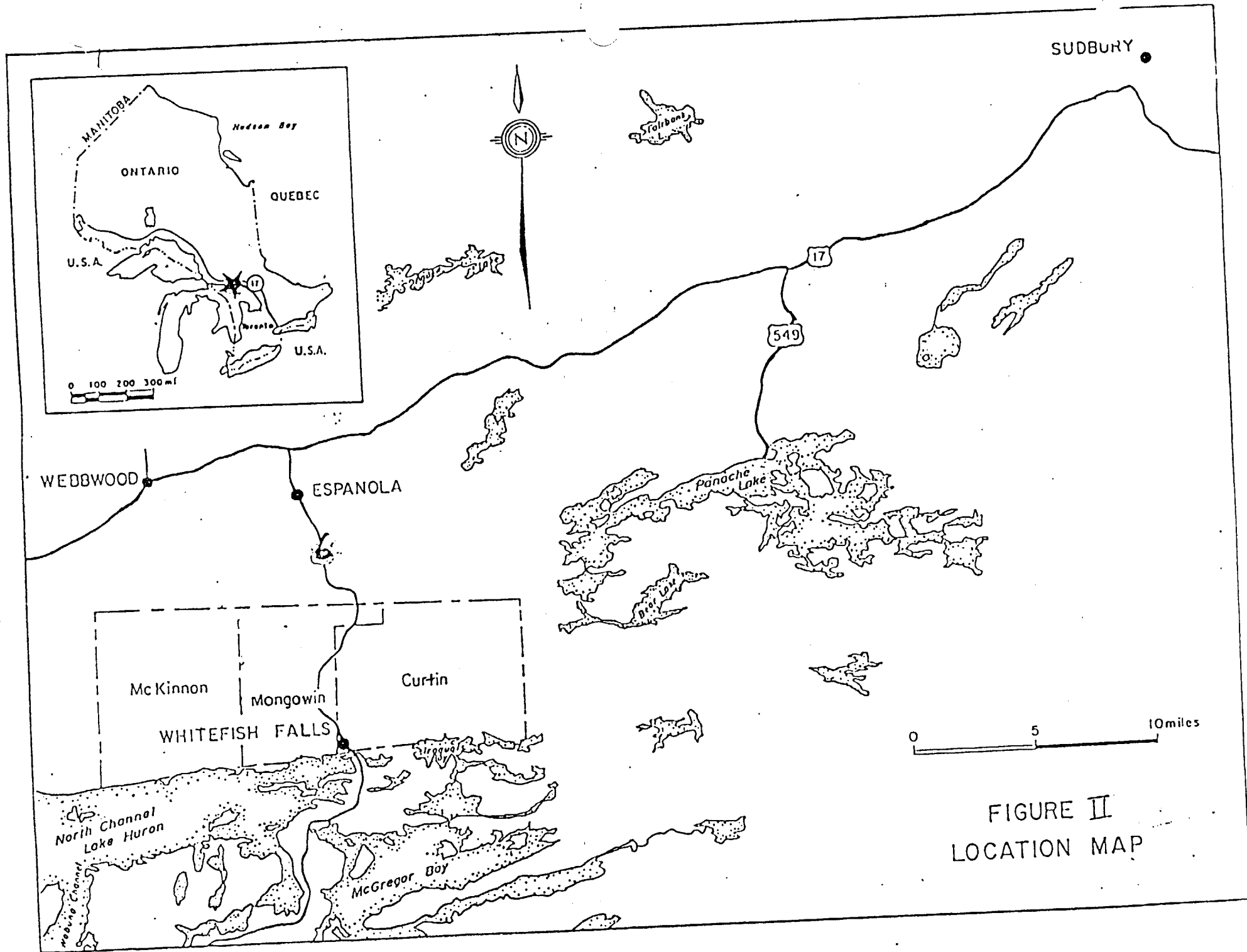
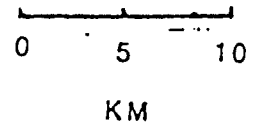
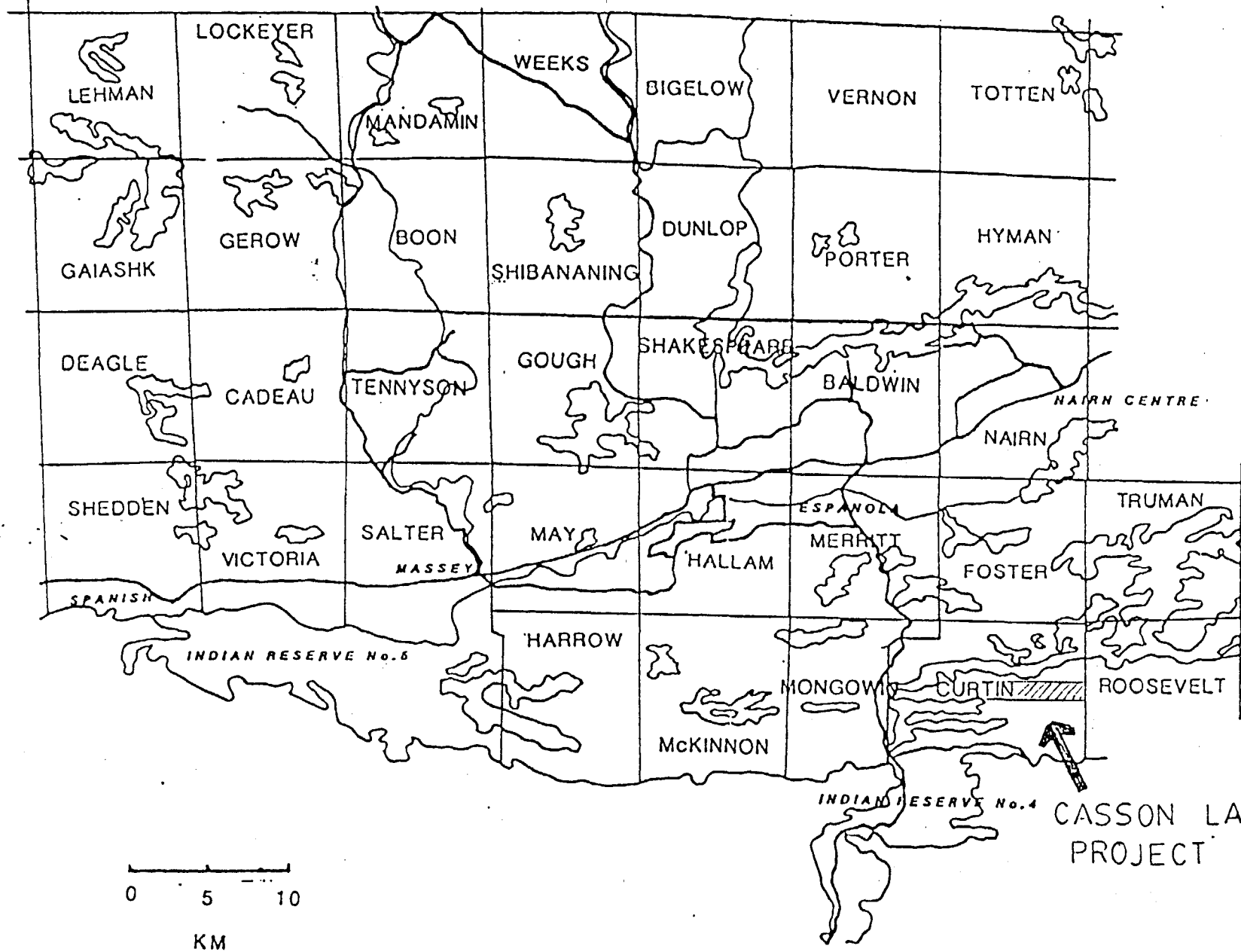


FIGURE II  
LOCATION MAP



CASSON LAKE PROJECT

## SUMMARY REPORT '95

This field season was a very successful one indeed for the Casson Lake project area. The targets outlined in this report led to the discovery of a highly important geological setting within the AN-3 (PGE + CU.NI.) occurrence and also confirmed the author's belief that important gold deposits exist in structures previously considered to be of little economic interest .

The targeted areas for this program are described by individual site (see accompanying site details) (1) Casson Lake AN-3 area (2) Bridger Pond Gold occurrence (3) Rainbow Gold occurrence (4) Bousquet Gold Mine.

For more than eight years the property holders have examined this highly favourable prospect with a different interpretation of its geological history. The results of this effort have introduced considerable argument/doubt as to the parentage of the mafic rocks and sedimentary rocks of Curtin Twp. Follow-up studies currently in progress by the O.G.S. may confirm our perception that these rocks are of possible Island arc origin, and represent an unrecognized metalogenetic event of the Sudbury Mining District. In any case the results of our work have proved without doubt, that new and highly important mining potential exists outside of the Sudbury Basin.

**LOCATION:** The Casson Lake Project is located in the east/central portion of Curtin Twp. claim map G-3005, NTS reference map 411/4, and centred approximately North Lat. 49 degrees, 9 min. and West Long. 81 degrees 36 min. in the Sudbury Mining District of Ontario (see location maps attached).

**ACCESS:** The property is readily accessed via Highway 6 from Espanola south approximately 16 km. where "Camp Looking Good" Road extends east to Cross Lake. Here the Whitefish River is quite shallow during summer months and can be forded by ATV or on foot. A good bulldozer road then proceeds eastly across the bulk of the claim group. The property may also be reached by motor boat from the village of Willisville on Froid Lake, then 5 km. east to Miller Bay on Charleton Lake as well as various locations along the Howry Creek.

**PROPERTY:** The property is jointly held by prospectors Dan Brunne, Roger Stringer and Geologist Roberta Bald, M.Sc., FGAC and consists of 23 unpatented contiguous mining claims 1240 Hec all of which are currently in good standing.

**INTRODUCTION:** The author and partners, Roger Stringer and Geologist Roberta Bald, M.Sc.FGAC, have been continuously exploring the Curtin Township Casson Lake Project since 1987 with excellent results, mainly due to OPAP assistance and bold determination. During the early years of exploration in the North Shore area, prospectors thrived on the motto "Gold is where you find it" as did all prospectors of that era and to this day, still has considerable logic. Gold is not abundant, nor is it common in all rock, therefore its presence, particularly in economic concentration, should be thoroughly investigated regardless of the immediate host environment in which it occurs. New mines will undoubtedly be discovered in new and different host rocks not presently considered favourable by today's explorationists. The Casson Lake Project has demonstrated this likelihood beyond any doubt that large volumes of precious metals exist in rocks previously thought to be of little importance.

Host rocks of igneous origin and readily identifiable by their magnetic signature form extensive areas north of Lake Huron. They appear on the regional magnetic survey maps centred on the Killarney Batholith and extending northeast along the Grenville tectonic front and west beyond the Croker Island pluton and Mongowin pluton. The author believes that these intrusive rocks are the host to precious metals and low grade base metals (AU, AG, PT, Pd, Cu, Ni, Co). Supporting data to this supposition is as follows:

- (a) Of 308/50 cm. channel and chip samples analyzed within the Nipissing meta-gabbro sill on the Casson Lake Project, 81 assayed greater than 1000 ppbs PGE, with 12 of these in excess of 3000 ppbs and the maximum being 8885 ppbs (3400 Pt, 4507 Pd, 978 Au). This sample contained 15% Magnetite, less than 1% cpy with minor hematite in a dark green/black fine grained chloritic diorite (Cas 94-TS03) thin section 1994).
- (b) Copper and nickel analysis from the same sampling program above gave assays as follows: 308/50 cm. channel/chip samples average 1466 ppm cu. + 577 ppm Ni with the best interval containing 4692 ppm cu. + 1374 Ni over 5.5 metres.
- (c) The "Rainbow Occurrence" on the Casson Lake Project is a gold bearing shear zone associated with a magnetite bearing fine-medium grain diorite/tronjemite (CAS 94-TS02) thin section 1994. The occurrence has yielded Au values up to 1.27 oz/ton with numerous anomolous sample of 3-5 gms/ton.
- (d) The "Black Fox Occurrence" is a gold bearing shear zone with extensive quartz/carbonite alteration associated with a magnetite-bearing porphyritic diorite dyke. Grab sample of the altered vein material gave values from 12 ppb to 2856 ppb over a width of 80-90 feet (see conclusions OPAP 94-092 page 5 included).
- (e) A grab sample of the matrix of an extensive breccia zone trending northwesterly across the Casson Lake Project contained abundant magnetite and was described by A. Farkas in thin section (CAS 94 TS01) as hornblende/diorite. The specimen contained only minor sulphide mineralization (py) yet assays included 28 ppb Au. 1385 ppm Cu.
- (f) Preliminary sampling of the "Bridger Pond Occurrence" shear-zone gave high values in gold (see

conclusions OPAP 94-092). Airborne and ground magnetic surveys, as well as the presence of diorite float in the vicinity of this occurrence strongly suggests an underlying magnetic intrusive body similar to those described above (see magnetic survey map).

(g) The Bousquet Gold Mine which is located near the centre of the claim group was mined during the 1930s. Underground mapping at the time identified a "basic dyke" (see mine plan included). A ground magnetometer survey conducted in 1994 suggests this dyke is also magnetic and of similar composition of those above and may have been the original source of gold depositon.

(h) Several other magnetic anomolies have been identified during the 1994 magnetic survey on the west half of the claim group. The airborne magnetic survey conducted in 1987 over the eastern portion of the Casson Lake Project suggests that some of these anomolies are continuous and directly related to the known gold and PGE occurrences particularly the "Bridger Pond Occurrence" and the ANIIPGE occurrence.

Further investigation of the magnetic anomolies on the Casson Lake Project is therefore recommended.

**PROSPECTING TARGET:** The prospecting target is gold and PGE, CuNi, associated with the emplacement of late plutonic activity within the Huronian supergroup of the southern province in Curtin Township, Sudbury Mining District.

**DEPOSIT TYPE:** The author is of the opinion that two types of deposits are present on the Casson Lake Project. 1. PGE, CuNi, associated with a long narrow differentiated Nipissing meta-gabbro sill/dyke. 2. Gold and Copper association with late magmatic alteration from the emplacement of magnetic amphibolitic shear related intrusives.

**GEOLOGY:** (Card 1978)

Tholeiitic gabbro bodies of early middle precambrian age, collectively referred to as "Nipissing Diabase" occur throughout the eastern part of the southern province where they intrude rocks of the Huronian Supergroup. The Nipissing Diabase intrusions are similar in chemistry and mineralogy to many other suites of magnetic mafic intrusions which occur throughout the world and the geological column (Hess 1960) their initial Sr87/Sr86 ratio of 0.706 (Fairbairn et al 1969) is consistent with derivation from an upper heterogeneous part of the mantle or from the lower crust. The norite of the Sudbury nickel irruptive, which is similar to the Nipissing Diabase in chemistry and petrology, though not age, also has a Sr87/Sr86 ratio of 0.706 (Gibbons et al 1972) indicating a similar source for these intrusions. Deep penetrating faults probably formed channel ways for periodic upward movement of magma. Most intrusions of Nipissing Diabase in the Sudbury area have the surface form of transgressive sill-like bodies, dikes and incomplete rings. The Nipissing Diabase has, along with the Huronian rocks, been metamorphosed under conditions corresponding to the greenschist and lower amphibolite facies of regional metamorphism. consequently, they were in place after initiation of early major folding, but prior to late deformation and regional metamorphism. Nipissing Diabase intrusions are cut by Sudbury breccia bodies, wand are consequently older than this brecciation which is probably closer related in time and genesis to the Whitewater Group and the Sudbury Nickel Irruptive.

Locally a belt of east trending Huronian metasediments of the Cobalt and Quirke Lake groups occupy the central part of Curtin Twp. a long Nipissing Diabase sill trends easterly across the property. Northwest trending right lateral faults of horizontal movement of several hundred feet are cut by east trending Charlton Lake fault, on which movement is in the order of several thousand feet. Sulphide mineralization is common throughout the Nipissing diabase sill, notable in silica rich phases of the intrusion. Disseminated pyrrhotite and chalcopyrite are the prodominant sulphide minerals.

**REASON FOR OPAP PROPOSAL:** When one reviews the characteristics of the "Archean Lode Gold Deposits in Ontario" (misc. paper 139, O.G.S. Mines and Minerals Division) in particular the Depositional Model and Genetic Model for gold deposits, one can conclude that gold has a preferred structural setting, inherent alteration characteristics and a genetic relationship to either magmatic fluids or metamorphic fluids.

Archean gold deposits in general are commonly characterized by shearing, carbonatization, sulphidation, silicification, oxidation and potassic metasomatism. The importances of these relationships to gold deposits in the Archean are unquestionable, so it would appear that if we can accept this criteria, then we should also be

able to accept that gold of significant volume in the Huronian rocks have undergone very similar development conditions otherwise gold would not be present. It would appear more likely that most explorationists simply do not recognize the alterations and structures because these rocks are Huronian and not Archean therefore have a somewhat different environment in which gold was deposited. Evidence from recent work on the Casson Lake Project strongly supports this supposition and by continued investigations of the magnetic related characteristics of the Project area, it is likely that substantial size deposits will be discovered.

# CASSON LAKE PROJECT

## ROCK SAMPLES '95

<u>SAMPLE NO.</u>	<u>TYPE</u>	<u>DESCRIPTION</u>	<u>ASSAY</u>
B2101	Grab	Hvy, Sheared Greenish Sed. w/numerous iron carb Rhombs. (Bridger Pond)	Au=236 ppb
B2102	Grab	Hvy. Sheared Sed. w/numerous iron carb Rhombs + Tr.py. (Bridger Pond)	Au=277 ppb
B2103	Grab	Milky White/Bl. Qtz. Vein w 50% Asp. Bousquet East Tr.	Au=77,171 ppb
B2104 thru B2138 (See Bridger Pond Sample Results)			
B2139 thru B2146 (See AN-3 Sample Results)			
B2147	50cm Channel	Silicified Banded Qtz/carb Sandstone with 3% Diss. Py + Minor Spec. Hem. (Rainbow 3)	Au=166 ppb
B2148	50cm Channel	Silified - Carb. Banded Amph. with 3% Diss. Py+Tr. Spec. Hem. (Rainbow 3)	Au=24 ppb
B2149	50cm Channel	Silicified - Carb. Banded Amph. with 5% Mag. + Tr. Py in Carb. Bands. (Rainbow 3)	Au=12 ppb
B2150	50cm Channel	Silicified - Carb. Banded Amph. with 5% Diss. Mag.+ Minor Py. (Rainbow 3)	Au=23 ppb
B2151	Grab	Milky White Qtz/vein - Rusty Carb - with 15-20% Py. (Rainbow 3)	Au=3,185 ppb
B2152	Grab	Carbonitized Qtzite with 8% (Asp <sup>90</sup> +Py <sup>10</sup> ) with few specks Cpy. (Bousquet West)	Au= 669
B2153	Grab	Hvy. Sheared Amph.- 2% Diss. Py + Num. Carb Rhombs (Bousquet West)	Au= 8 ppb
B2154	Grab	Same as above	Au= 8 ppb
B2155	Grab	Same as above minor Py.	Au= 9 ppb
B2156	Grab	Intensely Sheared - Biotite Rich Amph./Lamp. with 1% Diss. Py. (Danjay Area)	Au= <5 ppb



<u>SAMPLE NO.</u>	<u>TYPE</u>	<u>DESCRIPTION</u>	<u>ASSAY</u>
B2157	Grab	Sugary White Qtz. with Hvy. Rusted Carb. (Rainbow 3)	Au.=12,785 ppb
B2158	Grab	Very fine Gr. Ultramafic Lens. encompassed in Cr. Biotite w/minor Cpy. (AN-3)	(See AN-3 Assay Results)
B2159	Grab	Fine Gr. Magnetic Ultramafic mixed with Blue Amphibole 2% (Cpy <sup>70</sup> +po <sup>30</sup> )	AN-3
B2160	Grab	Cr.Gr. Light Green Mass. Tremolite with 1% fine Diss. Cpy.	AN-3
B2161	Float	Cr.Gr. Granitic rock with Lg. blue Qtz. eyes & green Epidote.	AN-3
B2162	Grab	Fine Gr. Ultramafic - 2% (Cpy <sup>70</sup> +po <sup>30</sup> ) + 5% Diss. Mag.	AN-3
B2163	Grab	Fine Gr. Ultramafic mixed with Cr. Gr. Blk. Amph. 1% (Cpy <sup>80</sup> +po <sup>20</sup> )+5% Diss. Mag.	AN-3
B2164	Grab	Fine Gr. Ultramafic mixed with Cr.Gr. Blk. Amph. 2% (Cpy <sup>80</sup> +po <sup>20</sup> )+5% Mag.-Cr.Biotite	AN-3
B2165	Grab	Med/Cr.Gr. Pegmatoidal Gabbro with 5% (po <sup>70</sup> +cpy <sup>30</sup> ) (Bousquet North Tr.)	Au=101 ppb
B2166	Grab	Semi-Mass. Asp (70%) in Grey/White Qtz/vein. (Bousquet East Tr.)	Au=44,703 ppb
B2167	Grab	Semi-Mass, Asp (80%) in Grey/White Qtz/vein. (Bousquet East Tr.)	Au=53,762 ppb
B2168	Grab	Mass. Sugary White Qtz./Vein with 20% Asp. (Bousquet West Tr.)	Au=27,772 ppb

<u>SAMPLE NO.</u>	<u>TYPE</u>	<u>DESCRIPTION</u>	<u>ASSAY</u>
B2169	Grab	Mass. Sugary White Qtz./vein with 20% Asp. (Bousquet West Tr.)	Au=25,099 ppb
B2170	Grab	Med/Cr.Gr. slightly magnetic- Diorite with a specks Py. (Loc.54)	Au=71 ppb
B2171	Grab	Med/Cr.Gr. strongly magnetic Diorite No.Sul. (Loc.54)	Au= 12 ppb Cr= 263 ppM
B2172	Grab	10% Cr. cubic Py in fine Gr. pink albite or very fine sandstone (AN-4 area)	Au= 351 ppb Co=1059 ppM
B2173	Grab	Breccia - amph. matrix 1/8 carb. Rhombs - some Cr. Frag./Qtzite - 1% Diss. py. (Bousquet West)	Au=13 ppb
B2175	Grab	Dark green Amph. with 1/2" wide iron carb. vein w 20% cpy + mag. (Rainbow 2)	Au= 692 ppb Cu= 1.56%

**TOTAL NUMBER OF SAMPLES = 75**

**NOTE:** See analytical certificates for 30 element ICP determinations.

## RESULTS AND RECOMMENDATIONS:

The results of previous and present exploration work is very encouraging, particularly in view of the presence of a PGE chromite layered unit discovered during the \_\_\_\_\_ program in a differentiated mafic igneous intrusion. The implications of this discovery could have enormous economic potential for the mining industry in Canada, as likely other deposits exist elsewhere in similar environments. The occurrence of numerous highly anomalous gold concentrations in the vicinity of the intrusion as well as within the PGE zones in the intrusion, suggest a genetic relationship to multiple magmatic impulses of metal bearing magmas rich in precious metals associated with varying amounts of base metals (Cu, Ni, Cr, Co.) The only other deposits, known to the author of this kind are in the Bushveld Complex of South Africa.

It is recommended that a compilation of present data, accompany a re-orientated (east/west) geophysical (Mag., Em/VLF, Gravity) survey, to better identify the visible PGE chromite horizon and locate potential continuence of the occurrence and possibly other occurrences buried under the overburden. It is further recommended that an expert PGE geologist map the occurrences in detail and determine the precise locations, depth, and orientation of diamond drill holes which are inevitable.

Diamond drilling is recommended of the "Rainbow Gold Occurrence", at least four shallow drill holes should be put down along strike under the presently known gold anomalies to a depth of approximately 200 feet.

Diamond drilling of the "Bousquet Gold Mine" is recommended to determine the potential of a down dip extension of the rivers vein to the east. One drill hole should be projected to intersect the structure below the 500 foot horizon and a second drill hole targeted to intersect the "Basic Dyke" and below the lower horizon of the old mine workings (450 feet).

A winter drill program is recommended for the "Bridger Pond Occurrence". A minimum of five drill holes is anticipated to determine the gold potential of the structurally related shear zone along strike to the west of the old shaft area and north under the existing pond below the 110 foot level. In addition one or two drill holes should be directed to intersect the structure approximately 800 and 1200 foot respectively to the east under the pond to 100-150 foot horizon.

## LIST OF CLAIMS

Claim numbers for the Casson Lake project Curtain and Roosevelt Tp. Claims:

S895241  
S895242  
S895243  
S984683  
S984684  
S984685  
S984686  
S984687  
S984688  
S984689  
S993985  
S994573  
S1136064  
S1179658 (14 Units)  
S1179657 (4 Units)  
S-1211230 (4 Units)  
S-1211231 (4 Units)  
S-1211232 (4 Units)  
S-1211234 (4 Units)  
S-1211235 (4 Units)  
S-1211236 (4 Units)  
S-1198357 (4 Units)  
S-1198358 Roosevelt (4 Units)

## CASSON LAKE PROJECT BOUSQUET GOLD MINE

**LOCATION:** The Bousquet Gold Mine is located near the centre of CL #1179658 on L40E 2+00N and approximately 400 metres west of the Rainbow Gold occurrence.

**GEOLOGY:** Quartzite of the Gowganda formation is intruded by a gabbroic body of Nipissing meta-gabbro. A system of quartz veins developed along the south contact of the gabbro as well as within the gabbro body adjacent to the quartzite and perpendicular to a north trending fault which has a rake of 60 degrees east. The main vein consists mainly of quartz, with arsenopyrite, pyrite, chalcopyrite and visible gold mineralization, siderite, ankerite and calcite alteration minerals are abundant in some places. The meta-gabbro contains sizeable areas of disseminated chalcopyrite, pyrrhotite and minor pyrite associated with anomalous PGE, particularly along the northern margin of the intrusion. A large area of brecciation outcrops approximately 100-150 meters to south west of the mine site.

**HISTORY:** See (Gold deposits of Ontario PT.2) MDC 18.

**ECONOMIC FEATURES:** Historically, mining by the Bousquet gold mines concentrated on the main vein or rivers vein which produced high grade gold from a single quartz vein along the southern contact of the meta-gabbro/quartzite margin. Due to the time period (1920's, 1930's) mining and exploration efforts were unlikely focused on locating the source of the high grade ore, but more likely concentrated on following the vein itself. Evidence collected recently by the Casson Lake property holders suggests that the meta-gabbro may have introduced some of the gold but was probably not the major contributor. Underground geology plans from the old mine workings describe an intrusive dyke/sill as "basic lava", a term which would likely refer to a basaltic, dark coloured rock or as has been exposed at the Rainbow occurrence a unit of dorite/tronjemite. Further, "at the plane of the fault the vein passes into the diabase to the west" (see ODM 1934 PTV11) suggests the vein was formed during or after the faulting occurred and since the diabase (mega-gabbro) has been displaced along the plane of the fault, the quartz vein may also be expected to be displaced had it formed during the gabbroic intrusion event.

The large breccia body in close proximity to the old mine workings accompanied by a basaltic rock present on the 450 feet level of the mine, and the evidence of similar gold occurrences close to the mine area, offer excellent opportunities for the concentration of larger gold deposits in the nearby area.

Examples of this are the following, where recent sampling has provided additional targets of interest and encouraging assay results.

SAMPLE NO.	TYPE	RIVER'S VEIN DESCRIPTION	Au ppb	As ppm
B2018	Grab	Mass. sugary white Qtz 30% ASP	119,216	< 1%
B2166	Grab	Semi-mass ASP (70%) grey/wh. Qtz VEIN	44,703	
B2167	Grab	Semi-mass ASP (80%) grey/wh Qtz. VEIN	53,762	
B2168	Grab	Mass. sugary white Qtz 20% ASP	27,772	
B2169	Grab	Mass. sugary white Qtz. 20% ASP	25,099	

### Bousquet Gold Mines, Limited

- sinking of the two compartment, vertical shaft was continued to the 150' level where considerable lateral work was accomplished
- towards year end, shaft was deepened to 300' level
- development work started at the 300' level

Reference: 44th Annual Report, Ontario Department of Mines, Part 1, p. 74, 1935.

### Bousquet Gold Mines, Limited

- located in centre of township, east end of Charlton Lake, north side of claim No. 54782
- July, 1934 - shaft sunk to 160', drifting on 150' horizon
  - vein west of shaft - 45'
  - vein east of shaft - 340'
- shaft later deepened to 450', lateral work on 300 and 450 foot levels
- surface to 450 foot level - ore rake = 60°E
- mill under construction

Reference: 44th Annual Report, Ontario Department of Mines, Part 7, p. 60, 1935, includes composite of mine workings.

### Bousquet Gold Mines, Limited

- 1935 - 2 compartment shaft sunk to 468' (additional 134')
- third level established at 450 foot level
- 1908 feet of underground diamond drilling
- work suspended end of July
- Anglo-Huronian optioned at beginning of year - did work from February to June

Reference: 45th Annual Report, Ontario Department of Mines, Part 1, p. 84, 1936.

### Bousquet Gold Mines, Limited

- work resumed January 1936 (after a five month suspension) and continued throughout the year
- 50 ton amalgamation-cyanide mill was operational May 26
- underground work resumed May 16
  - stilled stoping done on 150, 300, 450 foot levels
  - development work - 10 feet crosscutting on 300 foot level and 44 feet raising on 450 foot level

Reference: 46th Annual Report, Ontario Department of Mines, Part 1, p. 195, 1937.

### Bousquet Gold Mines, Limited

- underground operations ceased July, 1937
- development work - 110 feet drifting on 325 foot sublevel
  - 124 feet drifting on 350' sublevel
  - 93 feet raising on 450 foot level
  - 1072 feet underground diamond drilling
  - stoping at 150, 300 325 and 350 sublevels

Reference: 47th Annual Report, Ontario Department of Mines, Part 1, p. 93, 94, 1938.

The veins are associated with the folding and lie along the contacts between quartzite and argillite and between quartzite and diabase. The widths of the veins are not usually over 5 or 6 feet but show local bulges up to 25 feet. Sections of the vein quartz are heavily mineralized with pyrite, arsenopyrite, and pyrrhotite, and the gold values are confined to these sections.

The main ore shoot occurring on No. 1 vein showed a length of approximately 300 feet down to the 325-foot level but pinched out above the 425-foot level. Other small shoots of ore were encountered down to the lowest level at 550 feet, but the tonnage resulting from these was small.

#### Bousquet Gold Mines, Limited

The property of Bousquet Gold Mines, Limited, is situated near the centre of township 11 at the east end of Charlton lake. The showing, which occurs near the north side of claim No. 54,782, consists of a quartz vein lying along the contact between diabase and quartzite of the Cobalt series, with the diabase on the north side. The vein strikes almost due east and west and stands nearly vertical. It is traceable on the surface for 120 feet west and 300 feet east of the shaft, showing widths up to 4 feet. West of the shaft a distance of 150 feet the diabase appears to be displaced to the southeast, probably owing to a fault, and the shear zone in which the vein occurs passes into the diabase.

At the time the property was visited in July, 1934, a shaft had been sunk to 160 feet and drifting done on the 150-foot horizon. The vein was visible most of the way down the manway, showing widths from 18 inches to 42 inches. On the 150-foot level the vein showed good widths for a length of 45 feet west of the shaft. Beyond this point it passes into the diabase, where it is represented by narrow stringers of quartz without much mineralization. To the east the vein had been followed for 340 feet, at which point the quartz appeared to pinch out. The quartz is mineralized with pyrite and arsenopyrite, and grab samples of this material showed high values in gold.

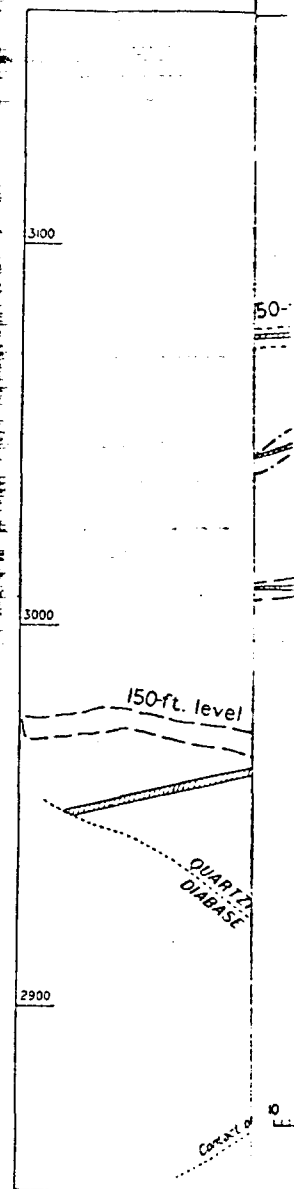
The shaft was later deepened to 450 feet and lateral work done on the 300- and 450-foot levels. The vein on the 300-foot level showed a length of 315 feet with widths somewhat narrower than on the 300-foot level. On the 450-foot level the vein was narrow and below commercial grade. From the surface down to the 450-foot level the ore had an apparent rake of about 60°E. in conformity with the plane of the fault. On this level diamond-drilling into the diabase north of the shaft indicated a strong quartz vein lying along the shear zone in the diabase. The quartz in the diabase was drifted on and is reported to have shown values<sup>1</sup> of \$6.00 across a width of 5½ feet.

The management estimate ore to the amount of 21,000 tons averaging \$18.50 per ton above the 300-foot level. A mill capable of treating 50 tons per day is under construction at present.

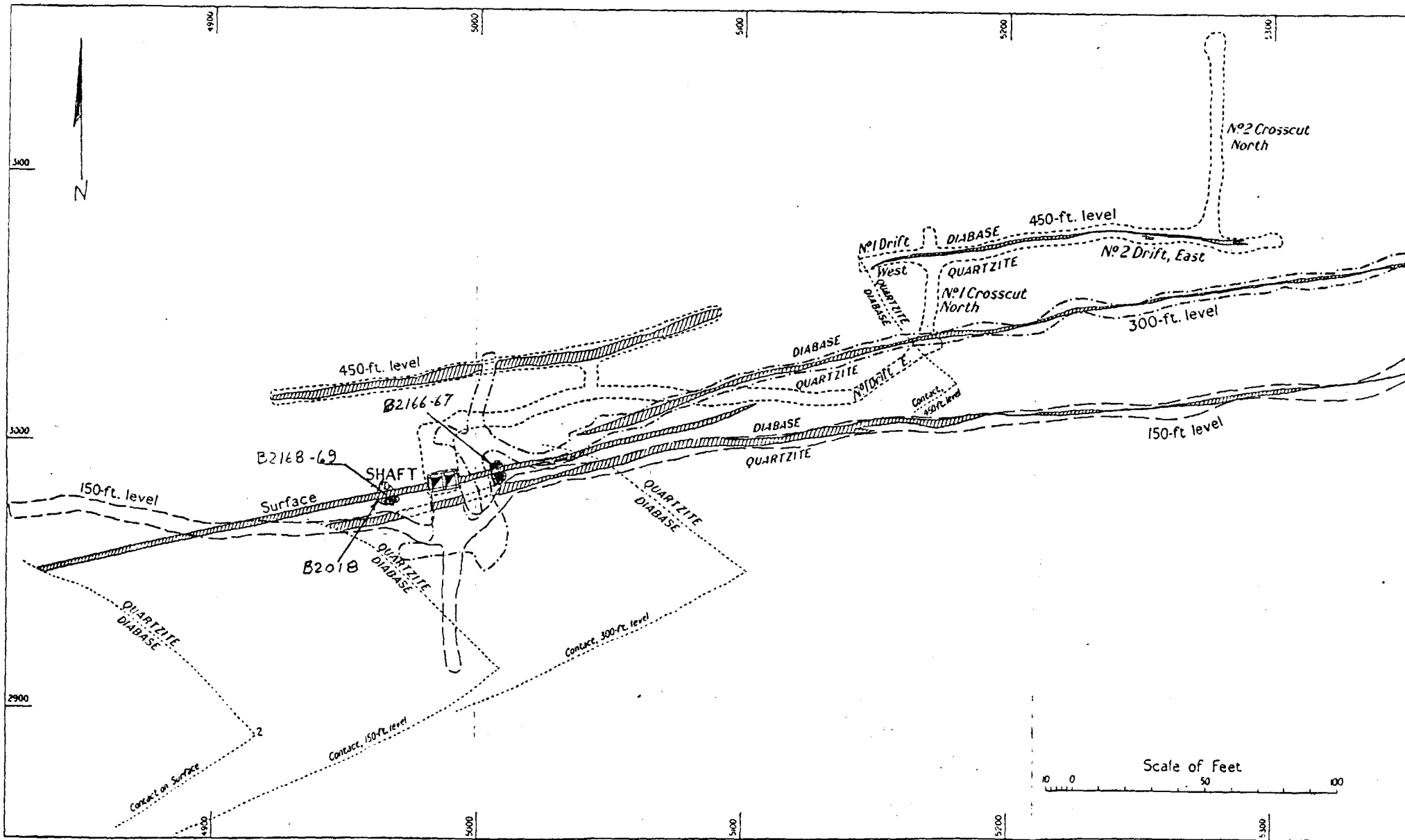
#### Fox Lake Gold Mines, Limited

The property of Fox Lake Gold Mines, Limited, which is controlled by the Northern Securities Company of London, Ont., consists of a group of nine claims forming part of lots 5 and 6, concession IV of Mongowin township. The country rock consists mainly of quartzite, both Serpent quartzite and quartzite of Cobalt age being represented. These are intruded by diabase dikes. Within the Cobalt series there is a brecciated zone replaced by carbonates and quartz carrying some sulphide mineralization. The zone is irregular in shape, showing widths up to 25 feet and a length of 200 feet. Oxidation of the carbonates has

<sup>1</sup>The values reported for this property are all calculated on gold at \$35.00 per ounce.

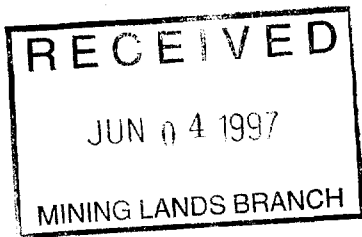






COMPOSITE PLAN OF WORKINGS, BOUSQUET MINE, FEBRUARY, 1936.

(From information supplied by the company.)



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**CASSON LAKE PROJECT  
AN-3 (PGE + Au.Cu.Ni.Cr.) OCCURRENCE**

**LOCATION:** The AN-3 occurrence is located in the eastern portion of the Casson Lake project on mining claim S-984684. Presently it is one of four PGE occurrences in the immediate area.

**GEOLOGY:** AN-3 occurs as a pegmatoidal layer within a large differentiated gabbro body which is partially exposed for several kilometers in the centre of the Casson Lake project. Underlying the pegmatoidal gabbro, a unit of massive actinolite, tremolite approximately one metre in thickness, overlies an ultra-mafic chromite rich, sulfide bearing, rich PGE+Au.,Cu.,Ni horizon very similar to that of the bushveld complex of South Africa. The pegmatoidal unit has a sharp contrasting contact to the west and a less distinct but obvious contact to the east. The thickness of this layer exceeds 10 meters at surface and is exposed for more than 30 metres laterally in a north/south direction. The geometry of the layer appears to have a perpendicular orientation to the long axes of the gabbro body, however it is quite probable that the gabbro underlies the sedimentary rocks to the north and south for a considerable distance and the presently known surface dimension of this unit extends beyond the visible contacts.

**HISTORY:**

- 1987 - Airborne Electromagnetic and magnetic surveys.
  - 1988 - Geological Mapping, prospecting and sampling.
  - 1990 - Power stripping and channel sampling of four EM/VLF Anomalies.
  - 1994 - Thin section study and whole rock study AN-3
  - 1995 - Power stripping, trenching, channel sampling and mapping An-3
- Note: All the work above was performed by the present property holders.

**ECONOMIC FEATURES:** In the Rustenberg area of the Western Bushveld complex, the ore zone comprising the Merensky Reef is confined to a pegmatoid that occurs at the base of the Merensky cyclic unit. PGE are concentrated in the vicinity of two chromite layers that occur at the top and the bottom of the pegmatoid and are particularly concentrated near the upper chromite layer. The most important metal values are associated with the upper chromite layer. The Cr. content of the UG-2 (upper group 2 chromitite) is generally in the range of 3600 ppm to 2000 ppm with thicknesses from 75 to 250 cm. The PGE values average from 4.3 ppm to 4.9 ppm.

In the Casson Lake area of the Sudbury Mining District, the AN-3 occurrence is characterized by a very similar geological/geochemical environment. The AN-3 pegmatoid layer overlies the Cr. rich PGE chromitite unit, the thickness of which has yet to be accurately determined, however, visible surface exposures created by trenching indicate a minimum thickness of 100 cm, Cr. content ranges from 5100 ppm to 1300 ppm and the PGE tenor is from 8.8 ppm to 2.4 ppm. To the author's knowledge there are presently no known occurrences of this kind in Canada (see AN-3 sample results).

## SUMMARY REPORT '95

This field season was a very successful one indeed for the Casson Lake project area. The targets outlined in this report led to the discovery of a highly important geological setting within the AN-3 (PGE + CU.NI.) occurrence and also confirmed the author's belief that important gold deposits exist in structures previously considered to be of little economic interest .

The targeted areas for this program are described by individual site (see accompanying site details) (1) Casson Lake AN-3 area (2) Bridger Pond Gold occurrence (3) Rainbow Gold occurrence (4) Bousquet Gold Mine.

For more than eight years the property holders have examined this highly favourable prospect with a different interpretation of its geological history. The results of this effort have introduced considerable argument/doubt as to the parentage of the mafic rocks and sedimentary rocks of Curtin Twp. Follow-up studies currently in progress by the O.G.S. may confirm our perception that these rocks are of possible Island arc origin, and represent an unrecognized metalogenetic event of the Sudbury Mining District. In any case the results of our work have proved without doubt, that new and highly important mining potential exists outside of the Sudbury Basin.

CASSON LAKE PROJECT  
AN-3 DETAIL



L8-25W

L8W

1+50S

STRIPPED  
washed

STRIPPED AREA

PEG. GAB

water

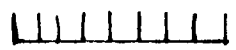
o/c

o/c

ELEVATED CU. ZONE  
UP TO 3900 ppm

GABBRO

CHANNEL SAMPLE



2+00S

o/c

AMPH.

B2139-46

B2158-64

204772

"F"

204762

water

204761

"E"

204757

o/c

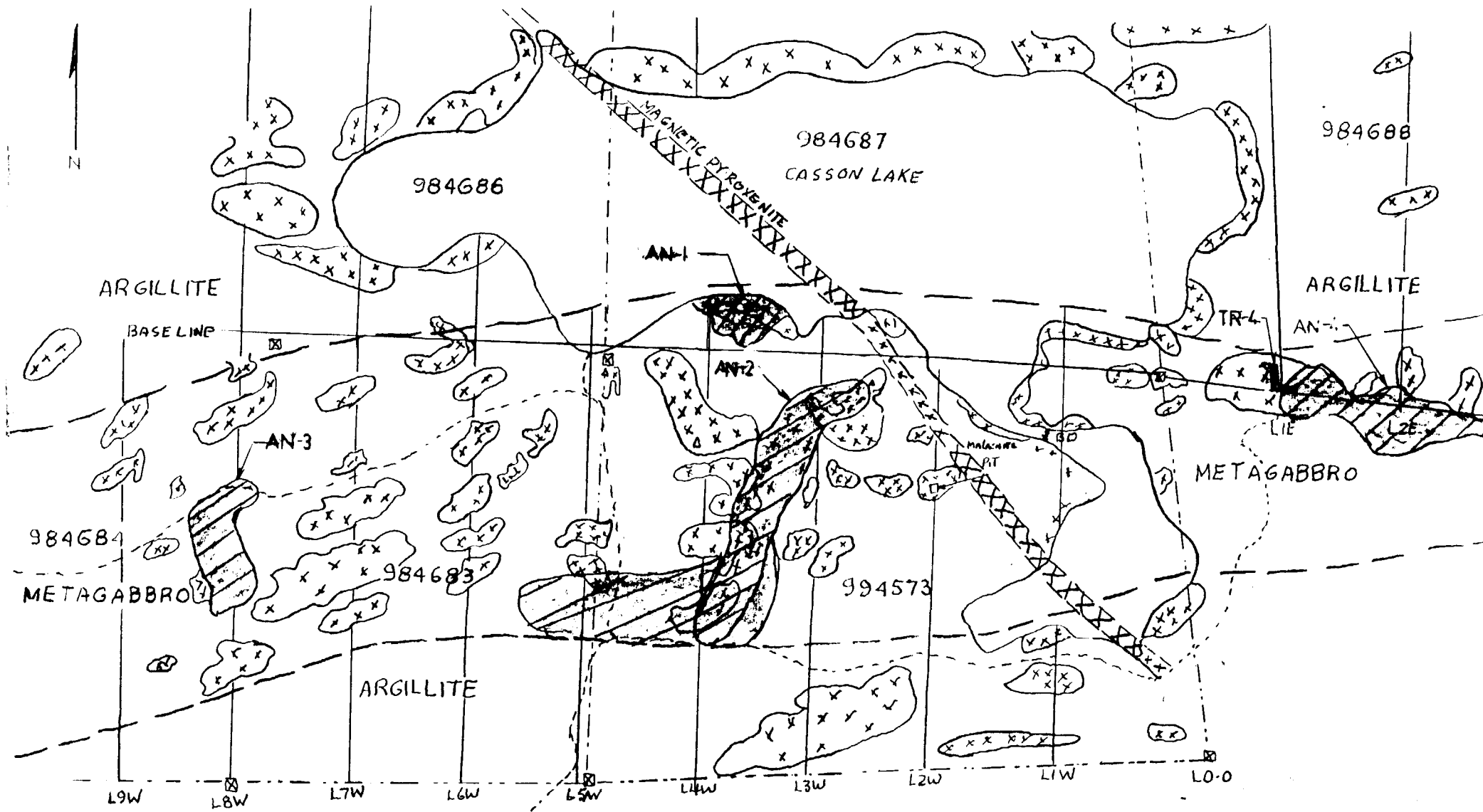
PGE HORIZON 8885 ppb  
(978 Au 3400 Pt 4507 Pd)  
(3200 ppm Cu, 1750 ppm Ni)  
5187 CR.








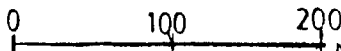
SCALE:

METRES

BY: D. BRUNNE



-  VLF-EM ANOMALY
-  OUTCROP AREA
-  PIT
-  CLAIM POST
-  CLAIM BOUNDARY

OP90-028	OP90-028A
CASSON LAKE PROJECT	
	
D. BRUNNE	OCT/90

**CASSON LAKE PROJECT**  
**Sample Results**  
**AN 3**

<b>SAMPLE</b>	<b>TYPE</b>	<b>Au. (ppb)</b>	<b>PT (ppb)</b>	<b>Pd (ppb)</b>	<b>Cu (ppm)</b>	<b>Ni (ppm)</b>	<b>Cr.(ppm)</b>	<b>V (ppm)</b>
<b>No.</b>	<b>"G" ZONE</b>							
B2139	70cm Channel	523	705	1326	2936	1948	2965	445
B2140	50cm Channel	181	310	549	988	932	1955	241
B2141	50cm Channel	283	471	1067	1208	804	1632	126
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B2161	"Grab"	< 5	< 15	< 10	52	33	58	23
B2162	"Grab"	264	545	1309	2872	2360	4049	757
B2163	"Grab"	793	924	2162	2388	1584	3625	403
B2164	"Grab"	958	591	1236	2620	832	3427	310

## **CASSON LAKE PROJECT BRIDGER POND GOLD OCCURRENCE**

**LOCATION:** The Bridger Pond Gold occurrence is located on the northeastern portion of the Casson Lake precious metals property of approximately 500 metres NNE of the Casson Lake AN-3 PGE+Au., Cu., Ni., CR discovery.

**GEOLOGY:** Tightly folded metasediments of the Cobalt and Quirke Lake groups trend easterly across the area and are cut by east and northwest trending faults. About 400 metres south of the occurrence, a large body of differentiated layered gabbro has an easterly trend. Gowganda conglomerates argillites, and sandstones are intensely sheared, fractured and silicified. Numerous small quartz carbonate veins occupy the east-striking north dipping (55°) shear zone over a width of more than 100 feet which has been traced for about 2000 feet. The zone is mineralized with pyrite, arsenopyrite and gold in the quartz veins and in the silicified rock.

### **HISTORY:**

1910-11: Stripping, trenching, and inclined shaft to 44 feet. (Bousquet Gold Mines).

1920: Surface plant and two compartment shaft to 107 with 280 feet of lateral development on the bottom level. (Bousquet Gold Mines)

1953: Four diamond drill holes (1071) feet by J.R. Bridger

1959: One diamond drill hold (103) feet by F.H. Mylrea.

1994: Surface sampling by Dan Brunne

**ECONOMIC FEATURES:** In 1921 Bousquet Gold Mines Ltd. reported assay values of 0.19 ounces Au. per ton over a width of 18 feet on the 100 foot level of the vertical shaft. J.R. Bridger (P.ENG) diamond drilled four holes east of the shaft area during the winter of 1953 in search of uranium and gold. His drill logs from the assessment files, Sudbury residents geologist office, indicated a strong shear zone with highly anomalous gold values over considerable width. Ex (an average of 1400 ppb over 40 feet) with sample intervals of 5 feet per sample, higher grade intersections were encountered. The 1995 prospecting program conducted by the present property holders confirmed the likelihood that there is significant gold values as well as substantial volume over minable widths in a favourable structure (see sample locations and gold values).

An attempt to power strip a complete cross-section of the shear-zone was only partially successful as the overburden was in excess of 15 feet in the centre of the structure. However, sampling of both margins show highly anomalous gold values which adds considerable width to the previously known gold zone (approximately 120 feet over all) and is open to the north.

Bousquet Gold Mines, Limited

- gold on S3180, S3181 in belt of grey schist, striking east and west
- slope sunk, said to be 44 feet but full of water, surface showed narrow veins of quartz and ankerite and to have a dip at surface of 55°N
- 2 compartment vertical shaft, 6 x 10 feet on outside, reached depth of 20 feet on date of inspection

Reference: 30th Annual Report, Ontario Department of Mines, Part 1, p. 105, 106, 1921.

Bousquet Gold Mines, Limited

- prospected until October, all work stopped then
- many trenches completed, sank 2 compartment shaft to 110 foot level, 280 feet lateral work was done at this level

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- west of Howrey Creek Mine, 24-foot deep shaft, vein one foot wide at shaft
- 3 1/2 feet wide, west of shaft containing veinlets of solid arsenopyrite assaying at \$8.80 per ton Au
- exposed for 160 feet east and 180 feet west of shaft

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- shaft - referred to as the Rivers shaft, 7 x 11', was at year end at 40'

Reference: 43rd Annual Report, Ontario Department of Mines, Part 1, p. 63, 1934.

L



## BRIDGER POND OCCURRENCE SAMPLE RESULTS

SAMPLE NO.	SAMPLE TYPE/DESCRIPTION	Au.ppb
<b>"Bridger North Trench"</b>		
B2027	Grab - Qtz/Vein 1" 20% ASP + Minor PY	5505
B2028	Grab - Qtz/Vein 2" 40% ASP	24,554
B2029	Grab - Qtz/Vein 1" 15% PY + minor ASP	1827
B2030	Grab - Qtz/Vein 2" 30% ASP + Minor	24,382
B2104	Grab - Qtz/Vein 1½" 30% PY + minor Hem.	2309
B2105	Grab - Qtz/Vein 2½" 40% (ASP <sup>50</sup> + PY <sup>50</sup> )	20,645
B2106	Grab - Qtz/Vein 1" 50% (PY <sup>60</sup> + ASP <sup>40</sup> )	33,316
B2107	50cm Channel - Qtzite Minor PY	95
B2108	50cm Channel - Qtzite TR PY	31
B2109	50cm Channel - Qtzite Minor PY	13,550
B2110	Grab - Qtzite Mass.PY in fract.	2232
B2111	Grab - Qtz/Vein 1½" 50% ASP	33,632
B2112	Grab - Qtzite 10% PY in fract.	3046
B2113	Grab - Hemitized Qtzite Hvy splashes PY	10,301
B2114	Grab - Hem. Qtzite w/small Qtz. Veins Tr.PY	61
B2115	50 cm channel - dark gr.sub-wacke PY	6338
B2116	50 cm channel - dark gr. sub-wacke	371
B2117	50 cm channel - dark gr. sub-wacke	85
<b>"Bridger South Trench"</b>		
B2118	30 cm channel - Buff Br. Qtzite - Qtz/carb stringers	173
B2119	60 cm channel - Buff + Pink Qtzite 15% ASP	596
B2120	30 cm channel - Buff + Pink Qtzite 3% ASP + 10% PY	283
B2121	Grab - Qtz/Vein ½" in Qtzite semi-mass ASP in fract.	8940
B2122	Grab - Qtzite 20% diss. PY in 2" Qtz/Vein	117
B2123	Grab - Qtzite 10% diss PY + Tr. ASP in 1½" Qtz/Carb Vein	4371
B2124	50 cm channel - Schistose Sandstone Tr. PY	208
B2125	50 cm channel - same as above	487
B2126	50 cm channel EL - same as above	752
B2127	50 cm channel - same as above	2205
B2128	50 cm channel - same as above	1411
B2129	50 cm channel - same as above	1576
B2130	50 cm channel - same as above	1073
B2131	50 cm channel - same as above	937
B2132	50 cm channel - same as above	523
B2133	50 cm channel - same as above	1450
B2134	50 cm channel - same as above	155
B2135	50 cm channel - same as above	246
B2136	50 cm channel - same as above	430
B2137	50 cm channel - same as above	333
B2138	50 cm channel - same as above	374

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**2.17084**

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B2136	50 cm channel - same as above	430
B2137	50 cm channel - same as above	333
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## RAINBOW GOLD OCCURRENCE CASSON LAKE PROJECT

**LOCATION:** The Rainbow Gold occurrence is located in the south eastern portion of claim no. 1179658 and extends from line 39E to line 52E a distance of 1300 meters.

**GEOLOGY:** Sediments of the Gowganda formation and an intrusive gabbroic body correlated as Nipissing meta-gabbro have been intruded by a narrow dyke/sill of dorite/trondjemite. Shearing accompanied with carbonitization, silicification, hematization, sulphides and gold occur within the alteration zone over a strike length of 1300 metres. The dyke/sill is highly magnetic in some outcrops, but where it has intruded the silicious member of the sediments (sandstone, quartzite) assimilation has altered the dyke/sill to a non-magnetic, banded silicified, carbonate unit. Gold occurs in the heavily sheared and silicified zones over a width of approximately one metre.

### **HISTORY:**

1993: geological mapping EM-VLF survey, prospecting and sampling. Anomalous gold discovered in mafic dyke sill L48E 1+25S. Stripping, further sampling results reveal high grade gold in grab sample (1.27 oz/ton).

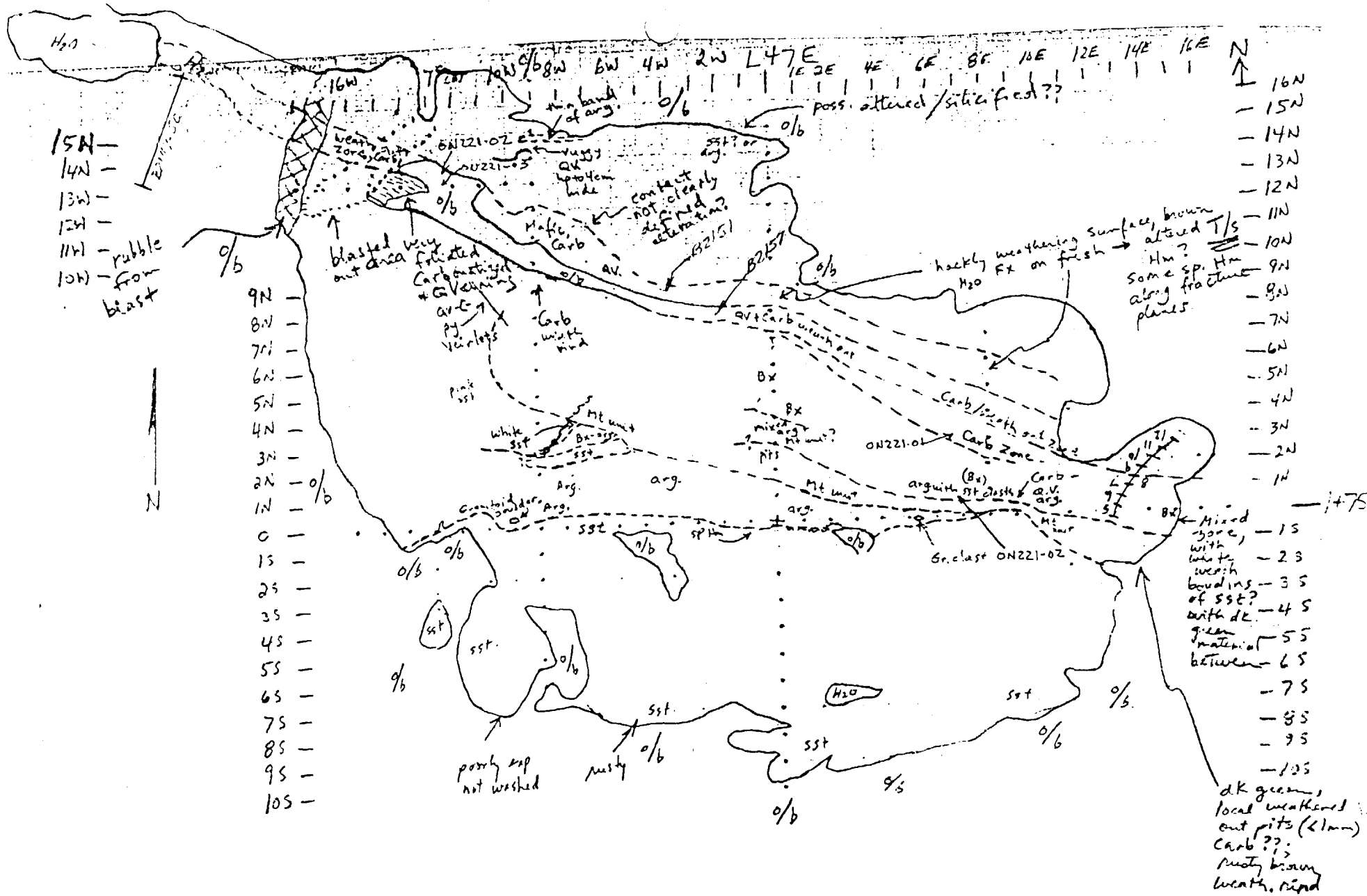
1994 - Blasting, trenching, detailed mapping, prospecting, geochemistry (soil, rock), geophysics and sampling.

1995 - Power stripping, prospecting, and sampling.

\*NOTE: All work performed by the co-holders of Casson Lake Project.

**ECONOMIC FEATURES:** Economic gold values accompanied by anomalous platinum, palladium, cobalt, nickel and copper occur in a magnetic mafic dyke/sill on mining claim No. 1179658 (see assay results). The mafic rock has similar geochemistry to that of the AN-3 PGE occurrence, however it is not particularly anomalous in chromium. The highest gold values have been obtained from a narrow highly weathered shear zone which is very difficult to obtain fresh rock samples even after blasting to a depth of three feet. Significant sample assays include the following:

#94007	Au 242 ppb	PT 69 ppb	Pd 139
#94008	300	75	169
#94009	66	59	44
#94010	187	60	111
#94019	301	75	169
#94034	Au 3410 ppb	Co 562 ppm	Ni 574 ppm
#94035	5280	1660	1450
#94036	1350		
#94037	1830		
#B2151	3185		
#B2157	12,785		
#B2175	692	Cu. 1.56%	



RAINBOW #3

9W  
(line)

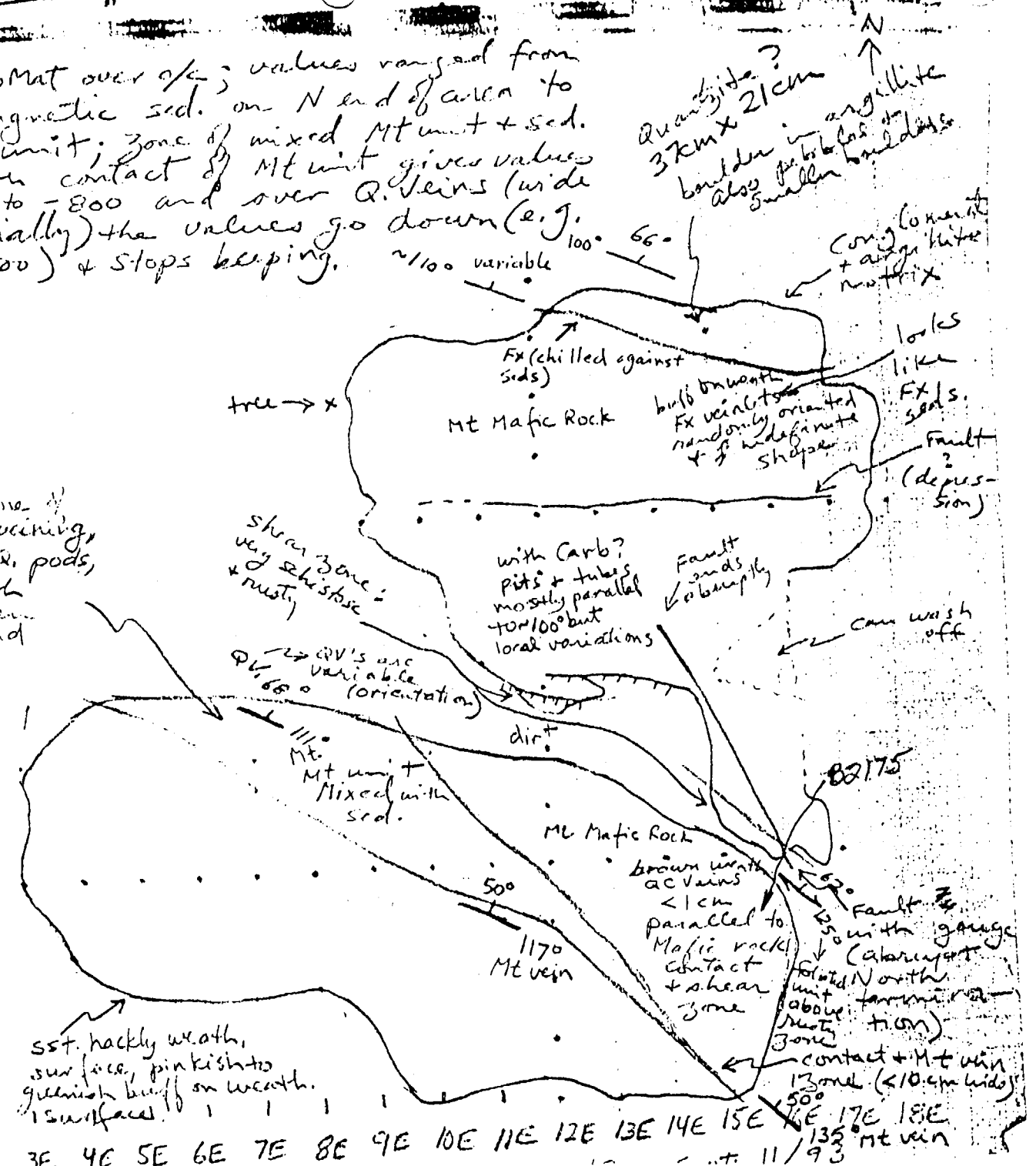
8E  
(line)

# RAINBOW #2.

Note: ran BcpMat over o/a; values ranged from  
 -60 in non-magnetic sed. on N end of area to  
 ~2500 in Mt unit; zone of mixed Mt unit + sed.  
 16N - on ~~at~~ Southern contact of Mt unit gives values  
 of ~ -1000 to -800 and over Q. Veins (wide  
 ones especially) the values go down (e.g.  
 -100 to -500) + stops keeping. ~100 variable 100° 66°  
 14N -  
 13N -  
 12N -  
 11N -  
 10N -  
 9N -  
 8N -  
 7N -  
 6N -  
 5N -  
 4N -  
 3N -  
 2N -  
 1N -  
 0 -

very complex zone of  
 Q and/or Carb veining,  
 Mt veining, Q. pods,  
 faulting with  
 contact between  
 sed. (sst.) and  
 mafic rock  
 difficult to  
 pinpoint

sst. hackly weath.  
 surface, pinkish to  
 greenish buff on weath.  
 surface.



1E 2E 3E 4E 5E 6E 7E 8E 9E 10E 11E 12E 13E 14E 15E 16E 17E 18E  
 0N 1N 2N 3N 4N 5N 6N 7N 8N 9N 10N 11N 12N 13N 14N 15N 16N

## **CASSON LAKE PROJECT**

### **AN-3 (PGE + Au.Cu.Ni.Cr.) OCCURRENCE**

**LOCATION:** The AN-3 occurrence is located in the eastern portion of the Casson Lake project on mining claim S-984684. Presently it is one of four PGE occurrences in the immediate area.

**GEOLOGY:** AN-3 occurs as a pegmatoidal layer within a large differentiated gabbro body which is partially exposed for several kilometers in the centre of the Casson Lake project. Underlying the pegmatoidal gabbro, a unit of massive actinolite, tremolite approximately one metre in thickness, overlies an ultra-mafic chromite rich, sulfide bearing, rich PGE+Au.,Cu.,Ni horizon very similar to that of the bushveld complex of South Africa. The pegmatoidal unit has a sharp contrasting contact to the west and a less distinct but obvious contact to the east. The thickness of this layer exceeds 10 meters at surface and is exposed for more than 30 metres laterally in a north/south direction. The geometry of the layer appears to have a perpendicular orientation to the long axes of the gabbro body, however it is quite probable that the gabbro underlies the sedimentary rocks to the north and south for a considerable distance and the presently known surface dimension of this unit extends beyond the visible contacts.

#### **HISTORY:**

1987 - Airbourne Electromagnetic and magnetic surveys.

1988 - Geological Mapping, prospecting and sampling.

1990 - Power stripping and channel sampling of four EM/VLF Anomolies.

1994 - Thin section study and whole rock study AN-3

1995 - Power stripping, trenching, channel sampling and mapping An-3

Note: All the work above was performed by the present property holders.

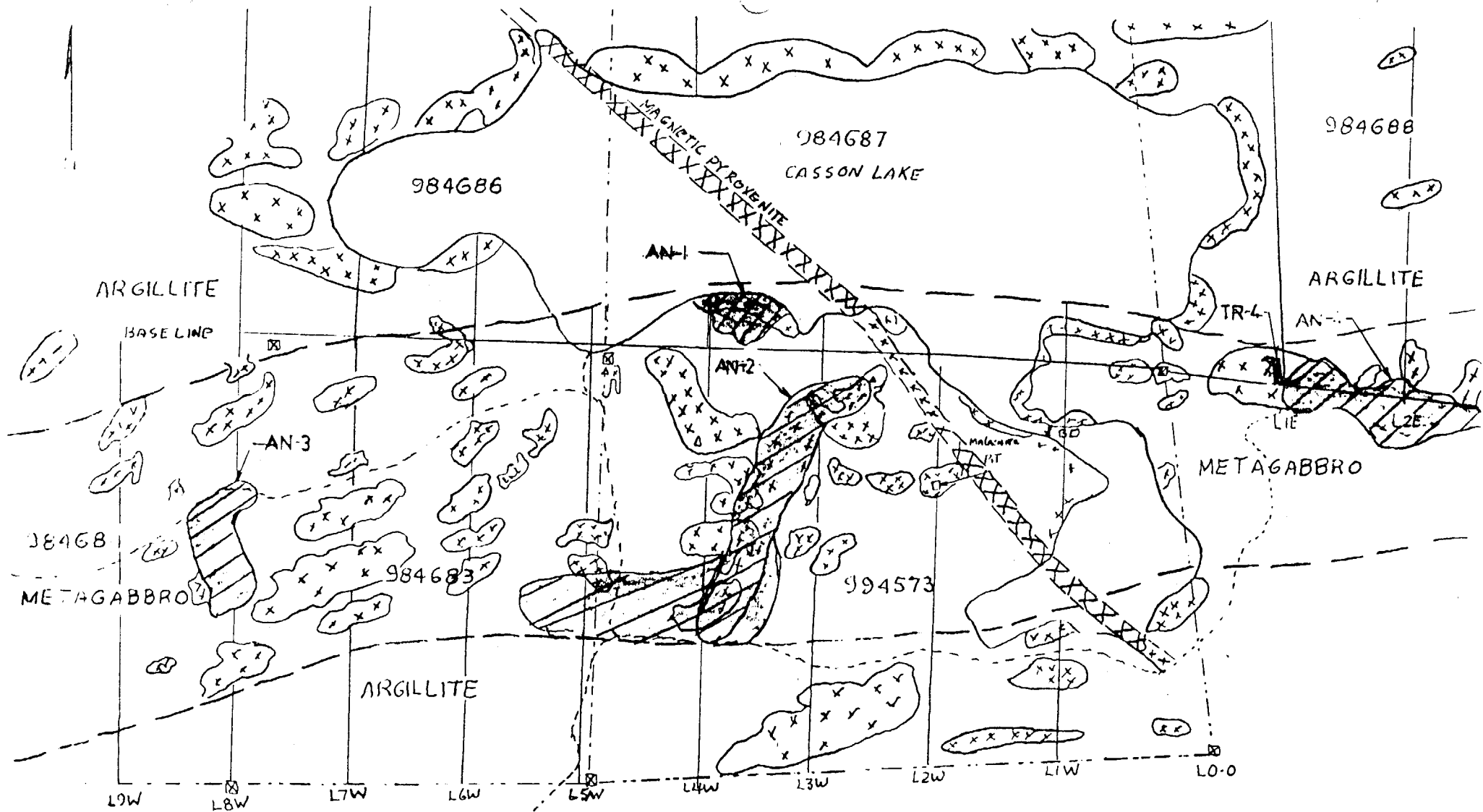
**ECONOMIC FEATURES:** In the Rustenberg area of the Western Bushveld complex, the ore zone comprising the Merensky Reef is confined to a pegmatoid that occurs at the base of the Merensky cyclic unit. PGE are concentrated in the vicinity of two chromite layers that occur at the top and the bottom of the pegmatoid and are particularly concentrated near the upper chromite layer. The most important metal values are associated with the upper chromite layer. The Cr. content of the UG-2 (upper group 2 chromitite) is generally in the range of 3600 ppm to 2000 ppm with thicknesses from 75 to 250 cm. The PGE values average from 4.3 ppm to 4.9 ppm.





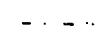
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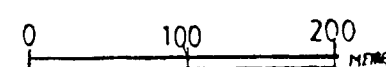


**CASSON LAKE PROJECT**  
**Sample Results**  
**AN 3**

SAMPLE	TYPE	Au. (ppb)	PT (ppb)	Pd (ppb)	Cu (ppm)	Ni (ppm)	Cr.(ppm)	V (ppm)
No.	"G" ZONE							
B2139	70cm Channel	523	705	1326	2936	1948	2965	445
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B2161	"Grab"	< 5	< 15	< 10	52	33	58	23
B2162	"Grab"	264	545	1309	2872	2360	4049	757
B2163	"Grab"	793	924	2162	2388	1584	3625	403
B2164	"Grab"	958	591	1236	2620	832	3427	310



-  VLF-EM ANOMALY
-  OUTCROP AREA
-  PIT
-  CLAIM POST
-  CLAIM BOUNDARY

OP90-028	OP90-028A
CASSON LAKE PROJECT	
	
D. BRUNNE	OCT/90

CASSON LAKE PROJECT  
AN-3 DETAIL



L8+25W

L8W

STRIPPED  
washed

1450S

STRIPPED AREA

ELEVATED CU. ZONE  
UP TO 3500 ppm

PEG. GAB

water

"A"

o/c

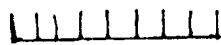
o/c

GABBRO

o/c

"D"

CHANNEL SAMPLE



204736

204758

204788

204780

AMPH.

o/c

B2139-16

2+00S

B2158-64

"F"

204762

water

"E"

204757

PEGE HORIZON 8885  
(978 AU 3400 PT 4507 PA)  
(3200 ppm Cu, 1750 ppm Ni,  
5187 CR.)

204772

204761

o/c

0

25

SCALE:

METRES



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 1

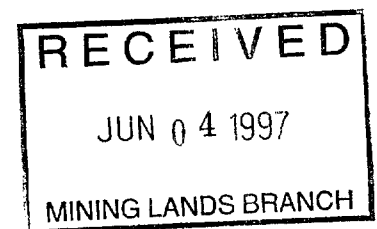
November 17, 1995

DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Job #9541800

Accurassay	SAMPLE # Customer		Copper ppm	Nickel ppm
1	2139 -B		2936	1984
2	2140 -B		988	932
3	2141 -B		1208	804
4	2142 -B		604	680
5	2143 -B		1964	1032
6	2144 -B		2568	1232
7	2145 -B		1248	1792
8	2146 -B		752	1356
9	2158 -B		1256	704
10	2159 -B		1708	1356
11	2160 -B		1240	664
12	2161 -B		52	33
13	2162 -B		2872	2360
14	2163 -B		2388	1584
15	2164 -B		2292	1584
16	2165 -B		2620	832
17	2175 -B		>10,000	48

## 2.17084



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

*D. Brunne*

11



# ACCURASSAY LABORATORIES

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Page 1

November 17, 1995

DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
P0P 2H0

Job #9541800

Accurassay	SAMPLE # Customer		Gold ppb	Gold Oz/t
1	2101 -B		236	0.007
2	2102 -B		277	0.008
3	2103 -B		77171	2.251
4	2104 -B		2309	0.067
5	2105 -B		20645	0.602
6	2106 -B		33316	0.972
7	2107 -B		95	0.003
8	2108 -B		31	<0.001
9	2109 -B		13550	0.395
10	2110 -B		2060	0.060
11	Check	2110 -B	2232	0.065
12		2111 -B	33632	0.981
13		2112 -B	3046	0.089
14		2113 -B	10301	0.300
15		2114 -B	61	0.002
16		2115 -B	6338	0.185
17		2116 -B	371	0.011
18		2117 -B	85	0.002
19		2118 -B	173	0.005
20		2119 -B	596	0.017
21	Check	2119 -B	483	0.014
22		2120 -B	283	0.008
23		2121 -B	8940	0.261
24		2122 -B	117	0.003
25		2123 -B	4371	0.127
26		2124 -B	208	0.006
27		2125 -B	487	0.014
28		2126 -B	752	0.022
29		2127 -B	2205	0.064

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





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Page 2

November 17, 1995

Job #9541800

DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Accurassay	SAMPLE # Customer		Palladium ppb	Gold ppb	Gold Oz/t	Platinum ppb
	30	2128 -B		1411	0.041	
	31 Check	2128 -B		1242	0.036	
	32	2129 -B		1576	0.046	
	33	2130 -B		1073	0.031	
	34	2131 -B		937	0.027	
	35	2132 -B		523	0.015	
	36	2133 -B		1450	0.042	
	37	2134 -B		155	0.005	
	38	2135 -B		246	0.007	
	39	2136 -B		430	0.013	
	40	2137 -B		202	0.006	
	41 Check	2137 -B		333	0.010	
	42	2138 -B		374	0.011	
	43	2139 -B	1326	523	0.015	705
	44	2140 -B	549	181	0.005	310
	45	2141 -B	1067	283	0.008	471
	46	2142 -B	884	390	0.011	377
	47	2143 -B	1071	335	0.010	576
	48	2144 -B	1842	304	0.009	667
	49	2145 -B	570	1002	0.029	236
	50	2146 -B	904	283	0.008	233
	51 Check	2146 -B	655	179	0.005	290
	52	2147 -B		166	0.005	
	53	2148 -B		24	<0.001	
	54	2149 -B		12	<0.001	
	55	2150 -B		23	<0.001	
	56	2151 -B		3185	0.093	
	57	2152 -B		669	0.020	
	58	2153 -B		8	<0.001	
	59	2154 -B		8	<0.001	

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

*As Bever*



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Page 3

November 17, 1995

Job #9541800

DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Accurassay	SAMPLE # Customer		Palladium ppb	Gold ppb	Gold Oz/t	Platinum ppb
	60	2155 -B		9	<0.001	
	61 Check	2155 -B		8	<0.001	
	62	2156 -B		<5	<0.001	
	63	2157 -B		12785	0.373	
	64	2158 -B	122	40	0.001	26
	65	2159 -B	550	193	0.006	234
	66	2160 -B	423	74	0.002	173
	67	2161 -B	<10	<5	<0.001	<15
	68	2162 -B	1309	264	0.008	545
	69	2163 -B	2162	792	0.023	924
	70	2164 -B	1236	958	0.028	591
	71 Check	2164 -B	922	220	0.006	548
	72	2165 -B	51	101	0.003	<15
	73	2166 -B		44703	1.304	
	74	2167 -B		53762	1.568	
	75	2168 -B		27772	0.810	
	76	2169 -B		25099	0.732	
	77	2170 -B		71	0.002	
	78	2171 -B		12	<0.001	
	79	2172 -B		351	0.010	
	80	2173 -B		13	<0.001	
	81 Check	2173 -B		12	<0.001	
	82	2174 -B		8	<0.001	
	83	2175 -B	<10	692	0.020	<15

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

*Ch. Bever*



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DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Page 1

November 17, 1995

Job #9541800

SAMPLE #	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	La ppm	Mg %
2101	1.2	0.90	351	71	<1	<3	0.50	<1	39	20	205	4.38	10	0.35
2102	0.7	1.50	57	63	<1	<3	0.80	<1	20	60	70	3.81	13	0.78
2103	4.4	0.04	>10%	38	<1	24	0.02	<1	135	<1	108	15.56	<1	0.02
2104	1.1	0.05	1913	38	<1	<3	0.05	<1	36	22	110	16.04	<1	0.04
2105	1.2	0.09	9.23%	38	<1	<3	0.21	<1	373	9	165	13.01	<1	0.09
2106	2.2	0.05	>10%	40	<1	<3	0.02	<1	872	6	608	16.91	<1	0.02
2107	0.1	0.13	686	16	<1	<3	0.26	<1	9	27	62	1.97	1	0.10
2108	<0.1	0.15	479	16	<1	<3	0.33	<1	6	25	64	1.79	<1	0.13
2109	0.5	0.12	3212	34	<1	<3	0.07	<1	21	23	63	2.27	2	0.03
2110	0.3	0.18	3.45%	11	<1	<3	0.04	<1	123	33	609	4.15	2	0.05
2111	0.7	0.04	>10%	28	<1	17	0.05	<1	376	6	175	10.98	<1	0.03
2112	0.5	0.09	1962	19	<1	<3	0.37	<1	18	23	61	2.25	1	0.14
2113	0.5	0.14	4.13%	36	<1	6	0.05	<1	434	18	379	7.60	1	0.03
2114	<0.1	0.15	344	15	<1	<3	0.18	<1	19	23	70	2.37	2	0.06
2115	0.6	0.76	433	46	<1	<3	0.35	<1	10	22	111	4.10	5	0.31
2116	0.1	0.31	5693	35	<1	<3	0.52	<1	27	23	74	2.71	2	0.22
2117	<0.1	0.49	854	41	<1	<3	0.45	<1	12	23	74	2.90	4	0.26
2118	0.2	0.18	2954	11	<1	<3	0.08	<1	33	28	74	2.04	<1	0.06
2119	<0.1	0.16	1.59%	29	<1	<3	0.19	<1	172	29	124	3.58	<1	0.10
2120	0.5	0.11	1084	17	<1	<3	0.11	<1	21	32	61	2.08	1	0.06
2121	0.2	0.14	7.28%	21	<1	6	0.08	<1	424	19	176	6.62	1	0.06
2122	0.5	0.16	1051	12	<1	<3	0.15	<1	27	24	53	2.75	<1	0.09
2123	0.7	0.17	1121	47	<1	<3	0.11	<1	9	23	65	2.50	1	0.04
2124	1.0	1.02	290	75	<1	<3	1.56	<1	32	22	47	3.47	14	0.55
2125	1.0	0.79	108	73	<1	<3	0.79	<1	15	19	103	3.03	24	0.21
2126	0.8	0.43	124	71	<1	5	0.24	<1	23	21	117	5.29	18	0.11
2127	0.7	0.50	571	64	<1	6	0.14	<1	19	18	146	4.91	19	0.06
2128	0.9	0.66	173	91	<1	<3	0.15	<1	17	23	150	4.45	18	0.07

Certified By





# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Page 2

November 17, 1995

Job #9541800

SAMPLE #	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Si %	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
2129	714	<1	0.01	59	952	8	<2	0.02	7	<0.01	3	<2	5
2130	623	1	0.01	41	888	4	<2	0.02	5	<0.01	3	<2	5
2131	670	1	<0.01	58	1058	8	<2	0.02	7	<0.01	3	<2	6
2132	356	1	0.01	49	993	<2	<2	0.01	3	<0.01	4	<2	4
2133	729	1	0.01	54	781	5	<2	0.02	10	<0.01	4	<2	5
2134	468	1	0.01	52	953	2	<2	0.01	6	<0.01	7	<2	6
2135	423	1	0.01	61	996	7	<2	0.02	9	<0.01	14	<2	5
2136	409	2	0.02	57	919	5	<2	0.02	9	<0.01	14	<2	6
2137	386	<1	0.02	58	878	6	<2	0.02	12	<0.01	15	<2	6
2138	332	1	0.02	56	971	3	<2	0.02	7	<0.01	15	<2	6
2139	1033	<1	0.02	1835	246	14	5	0.04	12	0.29	445	<2	73
2140	912	2	0.01	819	218	5	4	0.03	6	0.19	241	<2	54
2141	828	<1	0.01	749	184	<2	<2	0.02	2	0.15	126	<2	51
2142	500	<1	0.01	599	199	<2	4	0.01	2	0.13	227	<2	22
2143	695	<1	0.02	984	281	<2	6	0.01	4	0.40	816	<2	48
2144	600	<1	0.02	1151	238	6	12	0.03	5	0.39	685	<2	40
2145	1780	<1	0.03	1549	248	19	10	0.07	12	0.34	973	<2	111
2146	1379	<1	0.03	1214	271	10	12	0.05	11	0.45	909	<2	92
2156	904	<1	0.03	42	2108	10	2	0.03	71	0.53	338	<2	423
2158	999	<1	0.02	580	201	11	<2	0.07	3	0.14	838	<2	68
2159	1062	<1	0.02	1166	307	14	7	0.02	12	0.32	426	<2	73
2160	350	2	0.01	561	224	<2	5	0.01	2	0.08	84	<2	12
2161	365	<1	0.02	33	538	<2	<2	0.01	17	0.08	23	<2	33
2162	1694	<1	0.03	2148	232	19	7	0.08	10	0.26	757	<2	118
2163	692	<1	0.02	1384	275	5	8	0.03	5	0.26	403	<2	49
2164	795	<1	0.02	1385	305	5	6	0.03	3	0.23	310	<2	57
2165	333	<1	0.05	823	144	<2	<2	0.01	8	0.05	25	<2	41
2170	459	<1	0.05	115	260	11	<2	0.03	2	0.14	166	<2	10

Certified By



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DAN BRUNNE  
P.O. BOX 35  
WHITEFISH FALLS, ONTARIO  
POP 2H0

Page 3

November 17, 1995

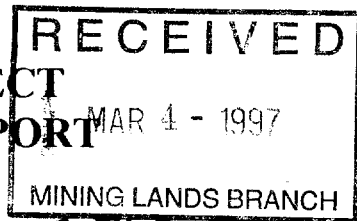
Job #9541800

SAMPLE #	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	La ppm	Mg %
2171	1.1	2.78	52	28	3	<3	1.13	<1	52	263	49	7.81	9	3.09
2172	0.8	0.40	392	21	<1	<3	3.07	<1	1059	36	57	4.48	2	0.43
2173	1.0	1.40	20	49	<1	<3	0.76	<1	30	81	110	3.51	16	1.19
2174	0.8	1.92	<2	53	2	<3	0.49	<1	19	238	76	5.74	23	2.06
2175	2.2	1.64	71	45	1	<3	2.98	<1	46	64	14192	7.43	6	2.18

Certified By

**CASSON LAKE PROJECT  
DAILY ACTIVITIES REPORT**

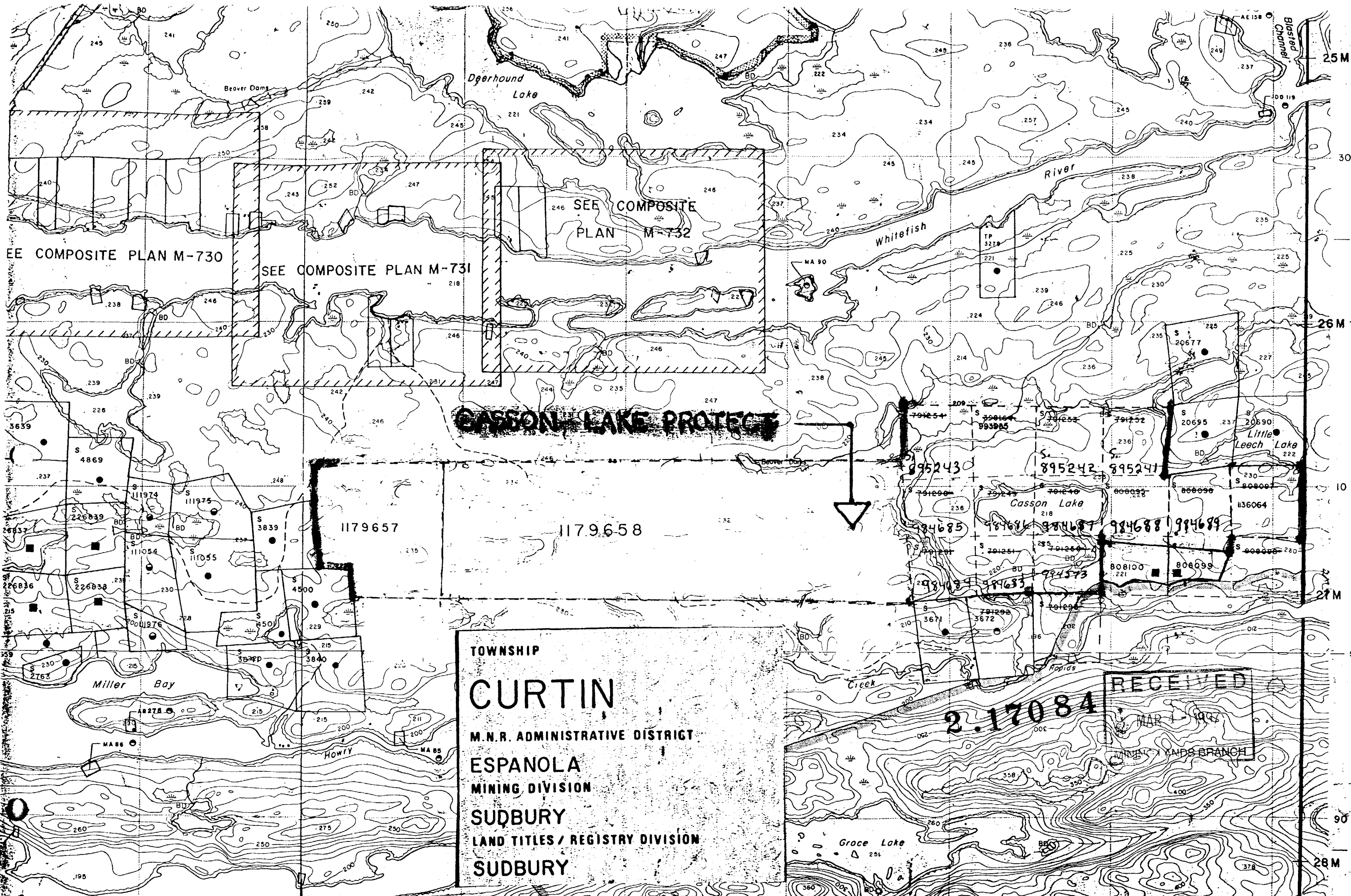
1995



DATE	WORKER	ACTIVITY
Sept. 16, 1995	Roger Stringer Dan Brunne	Mobilize - Power Boat, H.P. wash pump, two ATV's, Rockdrill, Diamond Saw, Tent & Camp Equipment to Charleton Lake.
Sept. 18, 1995	Roger 8 hrs Dan 8 hrs	Mobilize equipment to campsite on (L47ES+Z5N) erect equipment tent.
Sept. 19, 1995	Roger 8 hrs Dan 8 hrs	Establish flagged excavator route to "Bridger Pond" and lay-out stripping sites.
Sept. 20, 1995	Roger 8 hrs Dan 8 hrs	Set-up sludge pump and drain "AN-3" site free of water - Begin trenching with rockdrill.
Sept. 23, 1995	Roger 8 hrs Dan 8 hrs	Re-pump "AN-3" site - continue drilling, lay-out stripping area for excavation.
Sept., 26, 1995	Roger 8 hrs Dan 8 hrs	Continue pumping "AN-3" site - complete drilling.
Sept., 27, 1995	Roger 8 hrs Dan 8 hrs	Blast "AN-3" trench and hand-muck blasted rock.
Sept., 30, 1995	Roger 8 hrs Dan 8 hrs	Prospect Casson Lake south shoreline area with fluxgate magnetometer.
October 3, 1995	Roger 8 hrs Dan 8 hrs	Set-up H.P. wash pump "AN-3" - Built ATV bridge. Escort excavator to Bousquet Mine Site.
October 4, 1995	Dan 8 hrs	Power strip "Bousquet East" site, cover old shaft openings with concrete slabs.
October 5, 1995	Roger 8 hrs Dan 8 hrs	Excavate sump for H.P. wash pump North of Bousquet Mine. Move excavator to "AN-3".
October 6, 1995	Roger 8 hrs Dan 8 hrs	Power strip "AN-3" site - Begin H.P. washing - move excavator to "Bridger Pond" route.
October 7, 1995	Roger 8 hrs Dan 8 hrs	Continue route to "Bridger Pond" Continue washing "AN-3" site.
October 10, 1995	Roger 8 hrs Dan 8 hrs	Continue washing "Bridger Pond Trench" - Power strip "Bridger Pond Trench". Move excavator to "Rainbow V Site".
October 11, 1995	Roger 8 hrs Dan 8 hrs	Set-up and wash "Bridger Pond Trench" - Excavate "Rainbow V Site".



DATE	WORKER	ACTIVITY
†October 12, 1995	Roger 8 hrs Dan 8 hrs	Continue washing "Bridger Pond Trench" Power Strip "Rainbow IV Site".
October 13, 1995	Roger 8 hrs Dan 8 hrs	Set-up H.P. Pump "Bousquet West" Site - Prospect "Bousquet West Area".
October 14, 1995	Dan 8 hrs	Complete Stripping "Bousquet West" - Escort excavator to Miller Bay.
October 16, 1995	Roger 8 hrs Dan 8 hrs	Set-up and washing "Bousquet North Site" H.P. washing "Bousquet West Trench".
October 17, 1995	Roger 8 hrs Dan 8 hrs	Continue washing "Bousquet North Site" Continue washing "AN-3" site
October 18, 1995	Roger 8 hrs Dan 8 hrs	Wash down "Bousquet East Site" - complete "AN-3" site & "Bousquet North Site".
October 24, 1995	Roger 8 hrs Dan 8 hrs	Set-up H.P. Pump "Rainbow V Site" and wash-down.
†October 25, 1995	Roger 8 hrs Dan 8 hrs	Channel sampling "Bridger Pond Site" - Set-up and washing "Rainbow III Extension".
October 26, 1995	Roger 8 hrs Dan 8 hrs	Continue washing "Rainbow III ext." Move to "Rainbow IV Site".
‡October 27, 1995	Roger 8 hrs Dan 8 hrs	Channel sampling "Bridger Pond Site" - washing "Rainbow IV Site".
October 28, 1995	Roger 8 hrs Dan 8 hrs	De-watering "AN-3" Site - Hand mucking
October 29, 1995	Roger 8 hrs Dan 8 hrs	De-watering "AN-3" Site - Hand mucking
November 2, 1995	Dan 8 hrs	Property visit, Dr. Peter Lightfoot, O.G.S.
‡ November 5, 1995	Dan 8 hrs	Channel sampling, mapping "Bridger Pond Site".
November 6, 1995	Roger 8 hrs Dan 8 hrs	Channel sampling, mapping "AN-3" Site. De-mob.
November 7, 1995	Roger 8 hrs Dan 8 hrs	Channel sampling, mapping "AN-3" site. Continue De-mob.
November 8, 1995	Roger 8 hrs Dan 8 hrs	Complete sampling "AN-3" site. Complete De-mob.
<hr/>		
TOTAL - 32 DAYS	Roger 28 Days Dan 32 Days	(FINISH)



SEE COMPOSITE PLAN M-730

SEE COMPOSITE PLAN M-731

SEE COMPOSITE PLAN M-732

**CASSON LAKE PROTECT**

1179657

1179658

895243

895242

895241

984685

984686

984687

984688

994689

TOWNSHIP

**CURTIN**

M.N.R. ADMINISTRATIVE DISTRICT

**ESPANOLA**

MINING DIVISION

**SUDBURY**

LAND TITLES / REGISTRY DIVISION

**SUDBURY**

2.17084

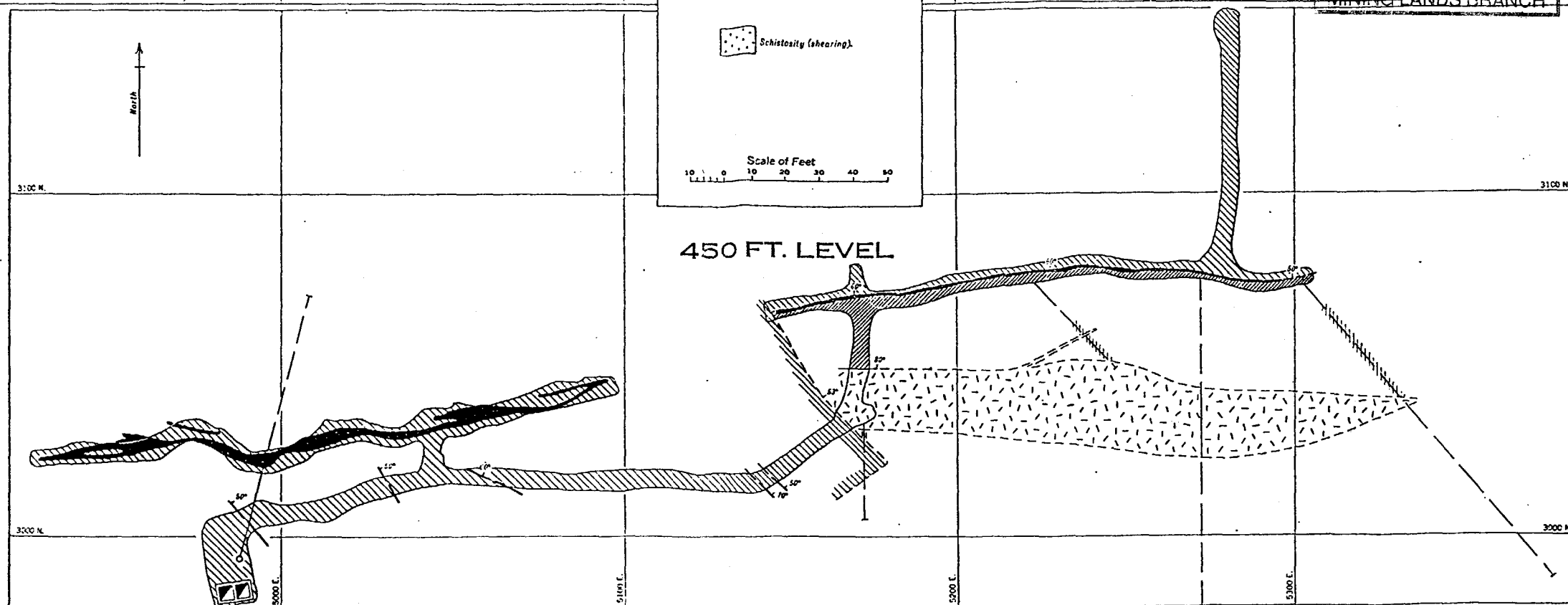
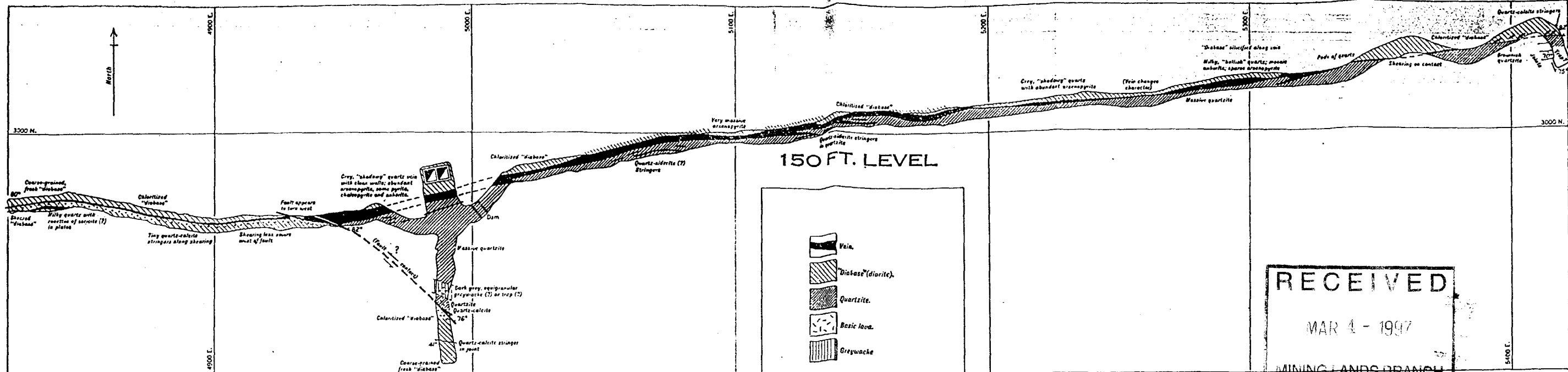
RECEIVED

MAR 1 1965

MINING LANDS BRANCH

ROOSEVELT TWP.

25M  
30  
46°  
26M  
27M  
51100  
28M  
46°

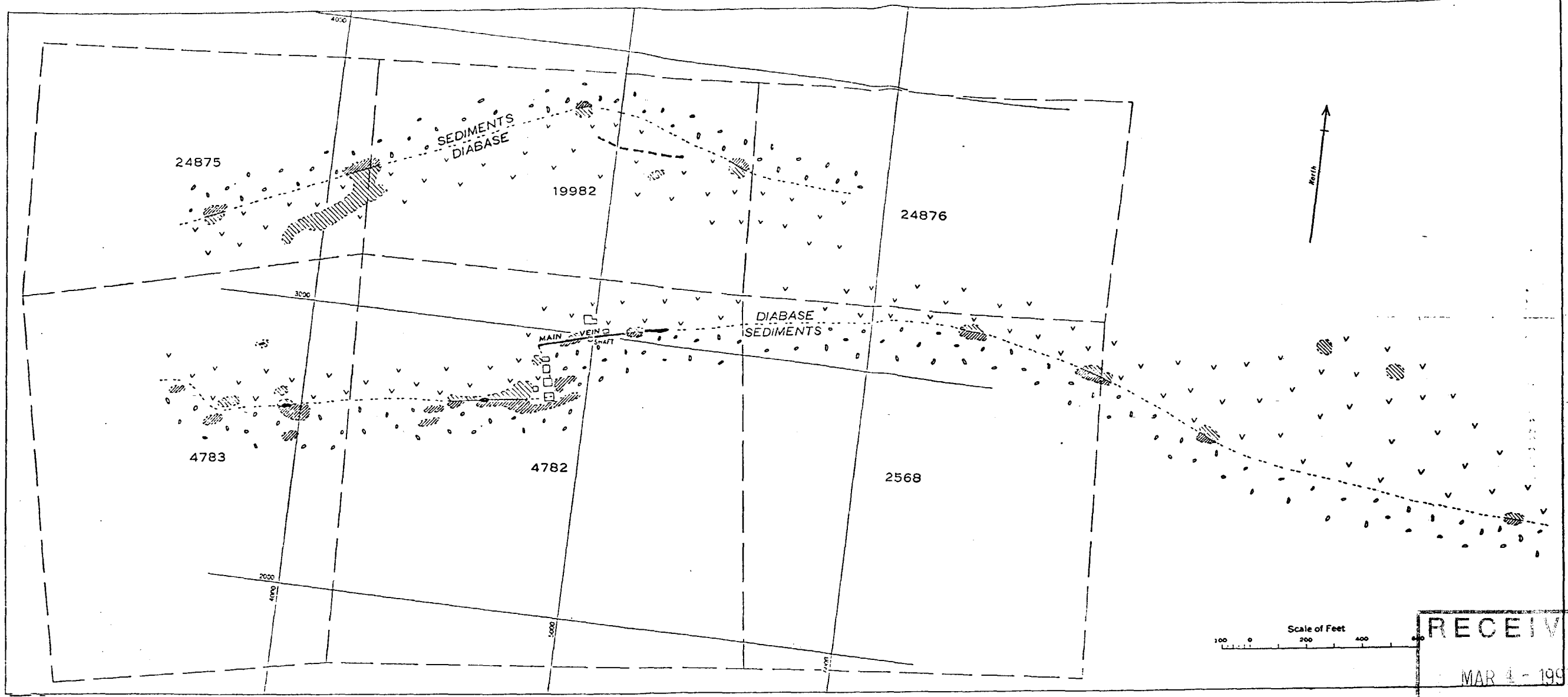


GEOLOGICAL PLANS OF THE 150-FOOT LEVEL (BY F. M. GALBRAITH, SEPTEMBER, 1934) AND THE 450-FOOT LEVEL (BY GEOLOGISTS OF THE COMPANY, JULY, 1937) OF THE BOUSQUET MINE

2-17084



Insert to face page 16



PLAN SHOWING SURFACE GEOLOGY ON THE PROPERTY OF BOUSQUET GOLD MINES, LIMITED  
(Made by geologists of the company)

RECEIVED  
 MAR 4 - 1997  
 MINING LANDS BRANCH

2-37084



Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)  
**W9770.00081**  
Assessment Files Research Imaging

Personal Information col  
Mining Act, the informati  
Questions about this c  
933 Ramsey Lake Road



41104NE0100 2.17084 CURTIN

3) of the Mining Act. Under section 8 of the  
and correspond with the mining land holder.  
thern Development and Mines, 6th Floor.

900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.  
- Please type or print in ink.

**2.17084**

**1. Recorded holder(s) (Attach a list if necessary)**

Name <b>DAN BRUNNE</b>	Client Number <b>112992</b>
Address <b>PO BOX 35</b>	Telephone Number <b>705 285 4422</b>
<b>WHITEFISH FALLS ONT. POP 2HO</b>	Fax Number <b>705 285 0216</b>
Name <b>ROGER STRINGER</b>	Client Number <b>198402</b>
Address <b>374 PARCHMOUNT ST.</b>	Telephone Number <b>705 669 4734</b>
<b>ESPANOLA ONT. P5E 1G6</b>	Fax Number

**RECEIVED**  
MAR - 4 1997  
MINING LANDS BRANCH

**2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.**

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <b>POWER STRIPPING, 300 CAT EXCAVATOR,</b>	Office Use
	Commodity <b>Am. PGE.</b>
	Total \$ Value of Work Claimed <b>9004.</b>
Dates Work Performed From <b>03</b>   <b>10</b>   <b>95</b> To <b>13</b>   <b>10</b>   <b>95</b> <small>Day Month Year Day Month Year</small>	NTS Reference <b>4E I/4</b>
Global Positioning System Data (if available)	Mining Division <b>SUBBURY</b>
Township/Area <b>CURTIN</b>	Resident Geologist District <b>SUBBURY</b>
M or G-Plan Number <b>G3005</b>	

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
- provide proper notice to surface rights holders before starting work;  
- complete and attach a Statement of Costs, form 0212;  
- provide a map showing contiguous mining lands that are linked for assigning work;  
- include two copies of your technical report.

**3. Person or companies who prepared the technical report (Attach a list if necessary)**

Name <b>DAN BRUNNE</b>	Telephone Number <b>705 285 4422</b>
Address <b>PO BOX 35 WHITEFISH FALLS ONT. POP 2HO</b>	Fax Number <b>705 285 0216</b>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

**4. Certification by Recorded Holder or Agent**

I, **DAN BRUNNE** (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Dan Brunne</i>	Date <b>FEB. 15/97</b>
Agent's Address	Telephone Number <b>SAME AS ABOVE</b>
	Fax Number <b>SAME AS ABOVE</b>

*1 April 1997*



5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$8,892	\$4,000	0	\$4,892
1	II79658	14	\$9080.	\$5600.	3480	0
2	II79657	04	0	1600.	<del>DAB</del>	0
3	895241	16ha.	0	400.	<del>DAB</del>	0
4	895242	16ha.	0	400.	<del>DAB</del>	0
5	895243	16ha.	0	400.	<del>DAB</del>	680.
6						
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14						
15						
Column Totals			9080.	8400.	3480 <del>DAB</del>	680.

2.17084

**RECEIVED**  
 MAR 4 - 1997  
 MINING LANDS BRANCH

I, DAN BRUNNE, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing *D Dan Brunne* Date FEB 15/97

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only Received Stamp <div style="border: 1px solid black; padding: 5px; text-align: center;">           SUDBURY MINING DIV.  <b>RECEIVED</b>            FEB 17 1997            A.M. 7   8   9   10   11   12   1   2   3   4   5   6 P.M.         </div>	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved 89080.00
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
POWER STRIPPING	8 DAYS (61 hrs)	\$ 90. <sup>00</sup>	5874.
COVER TWO OPEN SHAFTS	(CONTRACT) 1500 / SH.	1500 x 2	3000
Associated Costs (e.g. supplies, mobilization and demobilization).			2.170
Transportation Costs			
Food and Lodging Costs			
<b>Total Value of Assessment Work</b>			<b>9080.</b>

**RECEIVED**  
 MAR 4 - 1997  
 MINING LANDS BRANCH

**Calculations of Filing Discounts:**

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK                      x 0.50 =                      Total \$ value of worked claimed.

**Note:**

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**Certification verifying costs:**

I, DAN A BRUNNE (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as D. Brunne (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
-----------	------



Ministry of Northern Development and Mines

# Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9770-00082
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 303 Railway Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.  
- Please type or print in ink.

# 2.17084

### 1. Recorded holder(s) (Attach a list if necessary)

Name	DAN BRUNNE	Client Number	II2992
Address	PO. BOX 35 WHITEFISH FALLS ONT. POP 2HO	Telephone Number	705 285 4422
		Fax Number	705 285 0216
Name	ROGER STRINGER	Client Number	I98402
Address	374 PARCHMOUNT ST. ESPANOLA ONT. P5E1C6	Telephone Number	705 869 4734
		Fax Number	

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MAR - 4 1997

### 2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, mining lands branch, trenching and associated assays       Rehabilitation

Work Type	ASSAY, ACCURASSAY LABORATORIES #9541800	Office Use	
Dates Work Performed	From 16 Day 09 Month Year 95 To 08 Day 11 Month Year 95	Commodity	Am. PGE.
Global Positioning System Data (if available)	Township/Area CURTIN	Total \$ Value of Work Claimed	\$2245.
	M or G Plan Number G3005	NTS Reference	411/4
		Mining Division	SUDBURY
		Resident Geologist District	SUDBURY

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
- provide proper notice to surface rights holders before starting work;  
- complete and attach a Statement of Costs, form 0212;  
- provide a map showing contiguous mining lands that are linked for assigning work;  
- include two copies of your technical report.

### 3. Person or companies who prepared the technical report (Attach a list if necessary)

Name	DAN BRUNNE	Telephone Number	705 285 4422
Address	PO. BOX 35 WHITEFISH FALLS ONT POP 2HO	Fax Number	705 285 0216
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	

### 4. Certification by Recorded Holder or Agent

I, DAN BRUNNE (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date	FEB. 15/97
Agent's Address		Telephone Number	
		Fax Number	

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) the mining land where work was performed, at the time work was performed. A map showing the contiguous claims must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg 1B 7827	16 ha	\$26,825	N/A	24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 984683	16ha.	\$2245.	103	2142	0
2 984684	16ha.	0	400.	DAB	313 DAB
3 984687	16ha.	0	329.	DAB	0
4 984688	16ha.	0	400.	DAB	0
5 984689	16ha.	0	400.	DAB	0
6 994573	16ha.	0	400.	DAB	0 DAB
7					
8					
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12					
13					
14					
15					
Column Totals		2245.	1932 DAB	2142 DAB	313 DAB

**RECEIVED**  
 MAR 4 - 1997  
 MINING LANDS BRANCH

I, **DAN BRUNNE**, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Dan Brunne Date: **FEB 15/97**

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1 Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2 Credits are to be cut back starting with the claims listed last, working backwards; or
- 3 Credits are to be cut back equally over all claims listed in this declaration; or
- 4 Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only  
 Received Stamp: **RECEIVED**  
 FEB 17 1997  
 A.M. P.M.  
 7 8 9 10 11 12 1 2 3 4 5 6

Deemed Approved Date: \_\_\_\_\_ Date Notification Sent: \_\_\_\_\_  
 Date Approved: \_\_\_\_\_ Total Value of Credit Approved: **2245.00**  
 Approved for Recording by Mining Recorder (Signature): \_\_\_\_\_





Ministry of Northern Development and Mines

# Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) <b>W9770.00083</b>
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

**Instructions:** - For work performed on Crown Lands before recording a claim, use form 0240.  
- Please type or print in ink.

**2.17084**

**1. Recorded holder(s)** (Attach a list if necessary)

Name <b>DAN A BRUNNE</b>	Client Number <b>112992</b>
Address <b>P.O. Box 35</b>	Telephone Number <b>705-285-4422</b>
<b>WHITEFISH FALLS ONT P02H0</b>	Fax Number <b>705-285-0216</b>
Name <b>ROGER STRINGER</b>	Client Number <b>198402</b>
Address <b>374 PARHAMOUNT ST.</b>	Telephone Number <b>705-869-4734</b>
<b>ESPANOLA ONT P5E 1C6</b>	Fax Number

**RECEIVED**  
 MAR - 4 1997  
 MINING LANDS BRANCH

**2. Type of work performed:** Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical:** prospecting, surveys, assays and work under section 18 (regs)     
  **Physical:** drilling, sampling, trenching and associated assays     
  **Rehabilitation**

Work Type <b>PROSPECTING, SAMPLING, H.P. WASHING REPORT PREPARATION</b>	Office Use Commodity <b>AU, PGE</b>
Date Work Performed From <b>16 09 95</b> To <b>08 11 95</b>	Total \$ Value of Work Claimed <b>215,179.20</b>
Global Positioning System Data (if available)	NTS Reference <b>4174</b>
Township/Area <b>CURTIN</b>	Mining Division <b>Sudbury</b>
M or G-Plan Number <b>G3005</b>	Resident Geologist District <b>Sudbury</b>

- Please remember to:**
- obtain a work permit from the Ministry of Natural Resources as required;
  - provide proper notice to surface rights holders before starting work;
  - complete and attach a Statement of Costs, form 0212;
  - provide a map showing contiguous mining lands that are linked for assigning work;
  - include two copies of your technical report.

**Person or companies who prepared the technical report** (Attach a list if necessary)

<b>DAN A BRUNNE</b>	Telephone Number <b>705-285-4422</b>
<b>P.O. Box 35 WHITEFISH FALLS ONT</b>	Fax Number <b>705-285-0216</b>
	Telephone Number
	Fax Number
	Telephone Number
	Fax Number

Recorded Holder or Agent

**BRUNNE**, do hereby certify that I have personal knowledge of the facts set forth in the assessment work having caused the work to be performed or witnessed the same during the period of time stated above. To the best of my knowledge, the annexed report is true.

<b>DA Brunne</b>	Date <b>FEB 17 1997</b>
Telephone Number	Fax Number

*Dan A Brunne*

5. Work to be recorded and distributed. Work can only be assigned to claims that are on the mining land where work was performed, at the time work was performed. A map showing the mining land must accompany this form.

eg	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Balance to be assigned at a later date
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1	1179658	14	9450.	5600	3850.	250
2	1179657	4		1600		
3	895241	16 HEC.		400	2.170	84
4	895242	"		400		
5	895243	"		400		
6	984683	"		400		
7	984684	"		400		
8	993985	16 HA.	4235			4235 R.A.
9	1179658	14	4235			4235 R.A.
10						
11						
12						
13						
14						
15			17,920			9720 R.A.
Column Totals			9450	9200	3850	250

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MAR 4 - 1997  
MINING LANDS BRANCH

I, DAN A BRUNDE (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: DABrunde Date: FEB 17/97

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

<b>For Office Use Only</b> Received Stamp <div style="text-align: center;"> <b>SUDBURY</b>  <b>MINING DIV.</b>  <b>RECEIVED</b>  <b>FEB 17 1997</b>            A.M. P.M.            7 8 9 10 11 12 1 2 3 4 5 6         </div>	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

89,450

*Amended*

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">                     RECEIVED                      MAR 07 1997                      MINING LANDS BRANCH                 </div>			
			<b>2,170.84</b>
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
ATV, S 30DAYS	2/\$60	\$ 120/DAY	\$3600.00
18 FEET BOAT & 50 H.P. MOTOR	32 DAYS	\$ 40./DAY	\$1280.00
WAJAX H P WASH PUMP	14 DAYS	\$ 70/DAY	\$980.00
2000 FEET OF HOSE \$4.50 PER 100 FEET	14 DAYS	\$90/DAY	\$1260.00
COBRA ROCKDRILL	3 DAYS	\$90/DAY	\$270.00
DIAMOND SAW	Transportation Costs 5 DAYS	\$35/DAY	\$175.00
FUEL			\$905.00
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">                     RECEIVED                      MAR 4 - 1997                      MINING LANDS BRANCH                 </div>			
<b>Total Value of Assessment Work</b>			<b>\$8470.00</b>

**Calculations of Filing Discounts:**

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK                      x 0.50 =                      Total \$ value of worked claimed.

**Note:**

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**Certification verifying costs:**

I, ROGER P. STRINGER (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Roger Stringer (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

<small>Signature</small> <i>Roger Stringer</i>	<small>Date</small> Mar. 7 1997
---	------------------------------------





Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



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

June 27, 1997

Roy Denomme  
Mining Recorder  
933 Ramsey Lake Road, 3rd Floor  
Sudbury, ON  
P6E 6B5

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

Dear Sir or Madam:

Submission Number: 2.17084

	<b>Status</b>
<b>Subject: Transaction Number(s):</b> W9770.00081	Approval After Notice
W9770.00082	Approval After Notice
W9770.00083	Approval After Notice

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at [beneteau\\_s@torv05.ndm.gov.on.ca](mailto:beneteau_s@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

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

## Work Report Assessment Results

**Submission Number:** 2.17084

**Date Correspondence Sent:** June 27, 1997

**Assessor:** Steve Beneteau

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9770.00081	1179658	CURTIN	Approval After Notice	June 21, 1997

**Section:**

10 Physical PSTRIP

Assessment credit for this Work Report has been approved as outlined on the attached Work Credit Distribution form.

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9770.00082	984683	CURTIN	Approval After Notice	June 21, 1997

**Section:**

17 Assays ASSAY

The deficiencies outlined in the 45 Day Notice dated May 07, 1997, for the "Bridger Pond" Occurrence were not corrected. Accordingly, assessment credit has been approved as outlined on the attached Work Credit Distribution form.

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9770.00083	1179658	CURTIN	Approval After Notice	June 21, 1997

**Section:**

9 Prospecting PROSP

The deficiencies outlined in the 45 Day Notice dated May 07, 1997, were not corrected. Accordingly, assessment credit has been approved as outlined on the attached Work Credit Distribution form.

## Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s). Please contact the Mining Recorder to determine if this affects the status of your claims.

**Date:** June 27, 1997

**Submission Number:** 2.17084

---

**Transaction Number:** W9770.00081

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1179658	5,874.00
<b>Total: \$</b>	<u>5,874.00</u>

---

**Transaction Number:** W9770.00082

<u>Claim Number</u>	<u>Value Of Work Performed</u>
984683	479.00
1179658	659.00
<b>Total: \$</b>	<u>1,138.00</u>

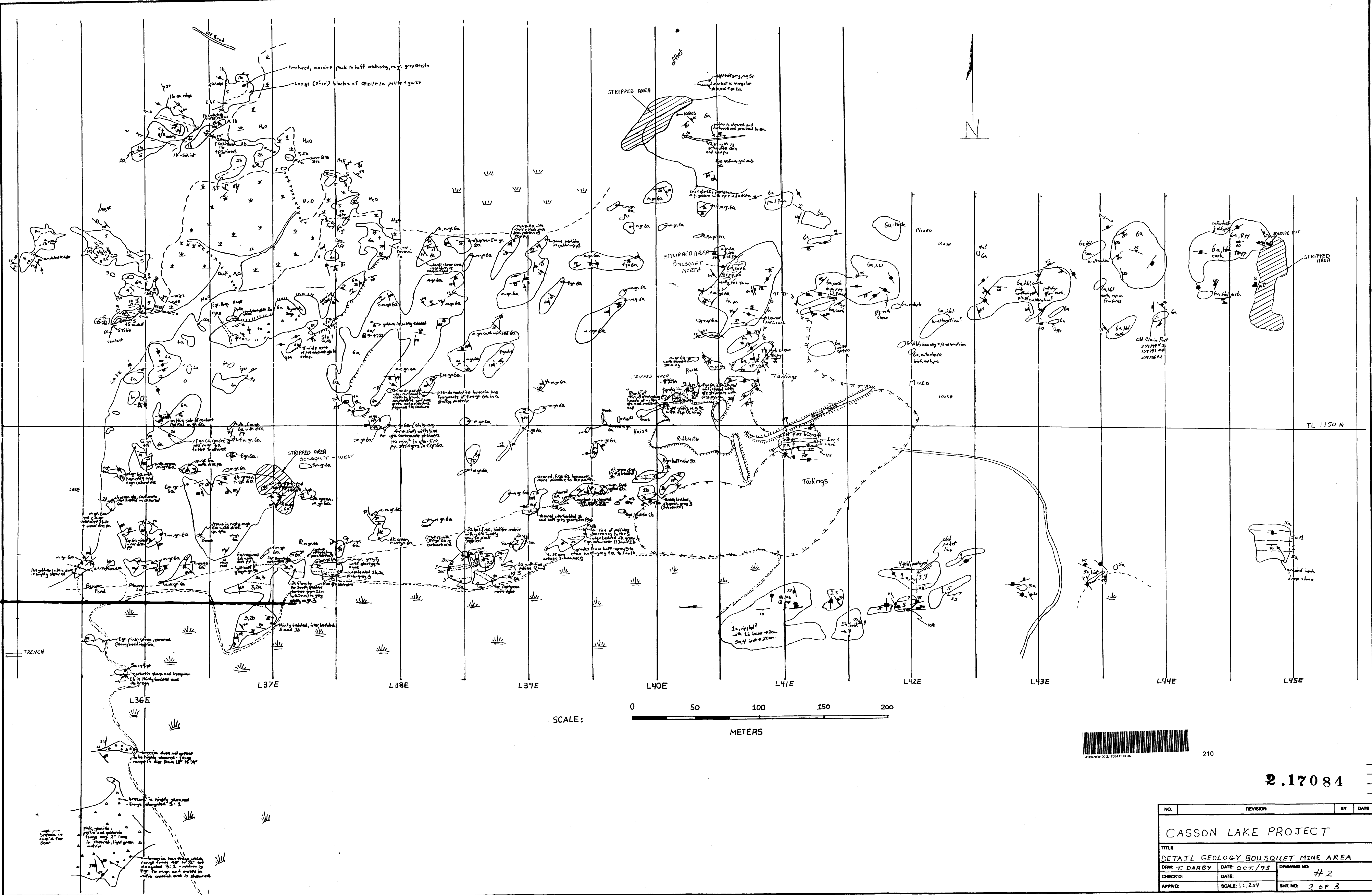
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**Transaction Number:** W9770.00083

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1179658	13,685.00
<b>Total: \$</b>	<u>13,685.00</u>

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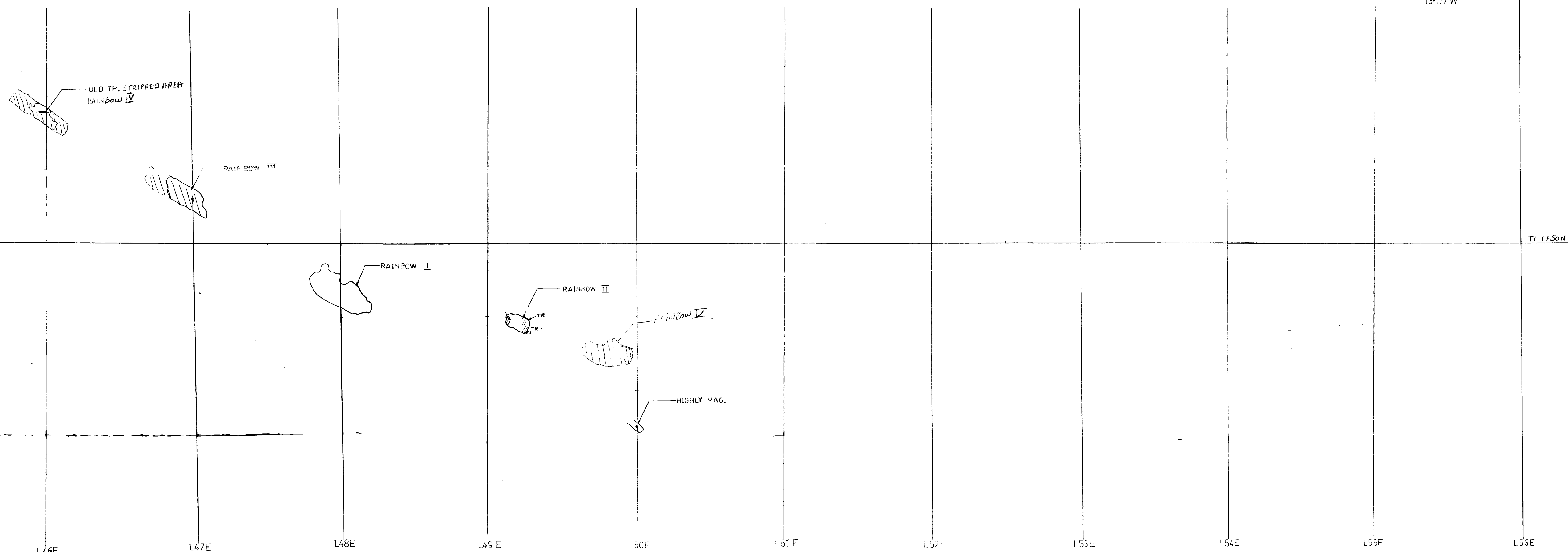
210

2.17084

NO.	REVISION	BY	DATE
CASSON LAKE PROJECT			
TITLE			
DETAIL GEOLOGY BOLSQUET MINE AREA			
DRW: J. DARBY	DATE: OCT/93	DRAWING NO: # 2	
CHECKED:	DATE:		
APPRD:	SCALE: 1:1204	SHT. NO: 2 OF 3	



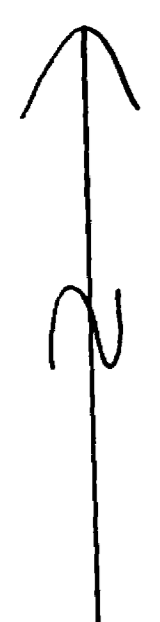
CASSON LAKE B/L 0  
13+07W



2.17084



NO.	REVISION	BY	DATE
BOUSQUET EAST			
TITLE			
DRW:	DATE:	DRAWING NO. # 3	
CHECK'D:	DATE:		
APP'D:	SCALE: 1:1204	SHT. NO: 3 OF 3	

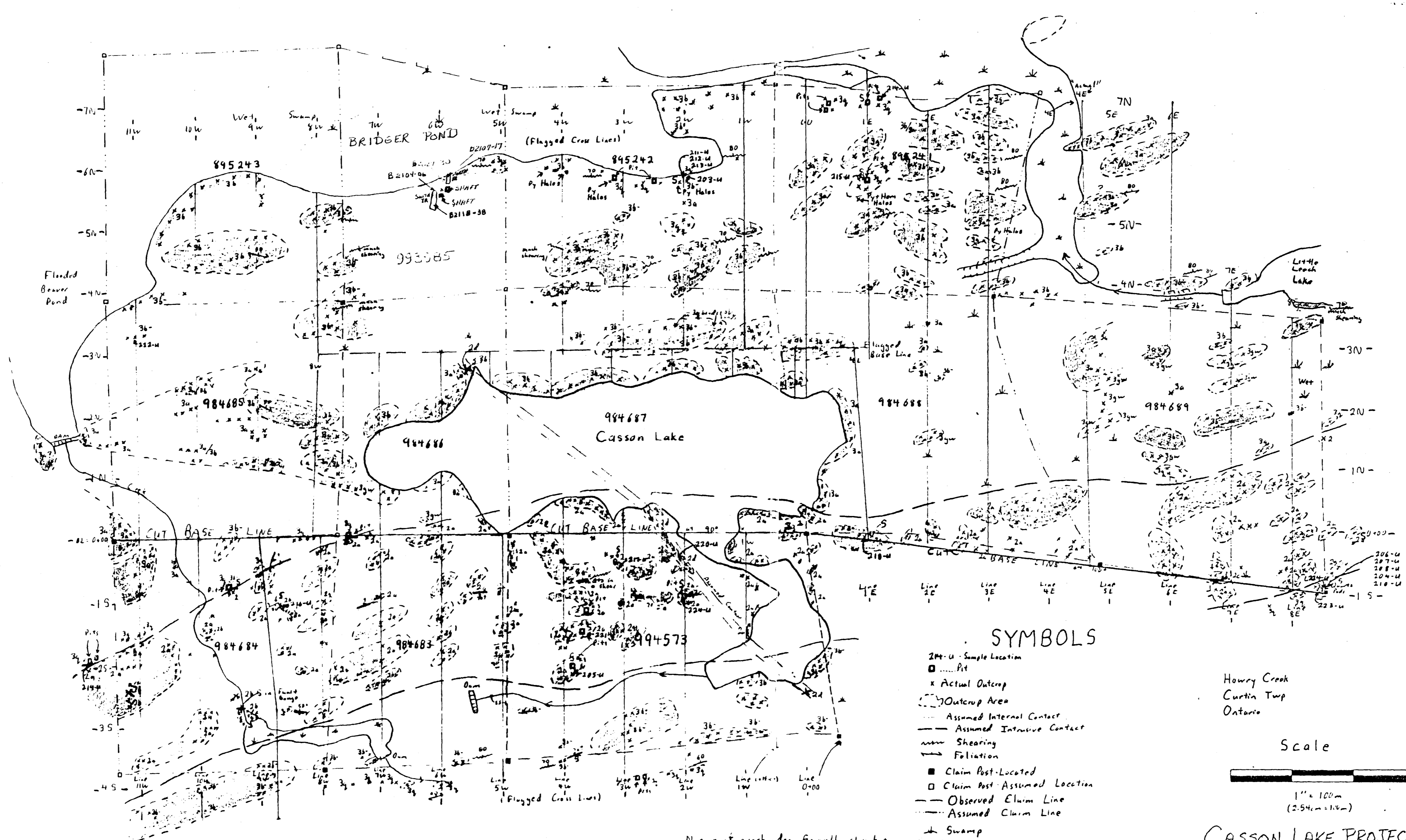


# LEGEND

- Quartzite
  - Greywacke
  - Tilted conglomerate (Polymictic para-conglomerate with laminated argillite)
  - Laminated or massive argillite
  - Polymictic paraconglomerate
- INTRUSIVE CONTACT**
- Nipissing Diabase
  - Magnetic Pyroxenite
  - Pyroxenite Phase
  - Maf. Rch (Gabbro or gneiss or in part)
  - Diorite-Quartz Diorite

Property Owner - Roger Stringer  
 Survey Dates - April 26/88 to May 13/88  
 (Inclusive)

Frank Racicot



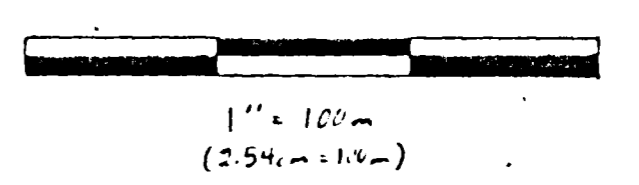
Nature of overburden - Generally clay but organic rich in places  
 Forest cover - Mainly birch & poplar some pine

# SYMBOLS

- Sample Location
- Pit
- Actual Outcrop
- Outcrop Area
- Assumed Internal Contact
- Assumed Intrusive Contact
- Shearing
- Foliation
- Claim Post-Located
- Claim Post-Assumed Location
- Observed Claim Line
- Assumed Claim Line
- Swamp
- Grid Lines
- Sulfides
- Pyrite
- Hem Hematite
- Quartz vein

Howry Creek  
 Curtin Twp  
 Ontario

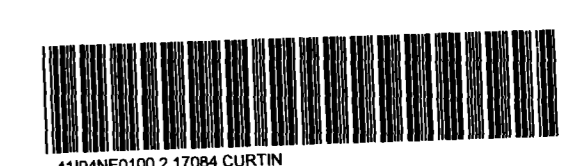
# Scale



# CASSON LAKE PROJECT

Geology & report by: Frank Racicot  
 (Frank Racicot) June/88

2.17084





# CURTIN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1 inch to 1/4 mile

N.T.S. Reference: 411/4  
G.S.C. Aeromagnetic Map: 1522G  
O.D.M. Aeromagnetic Map: 67

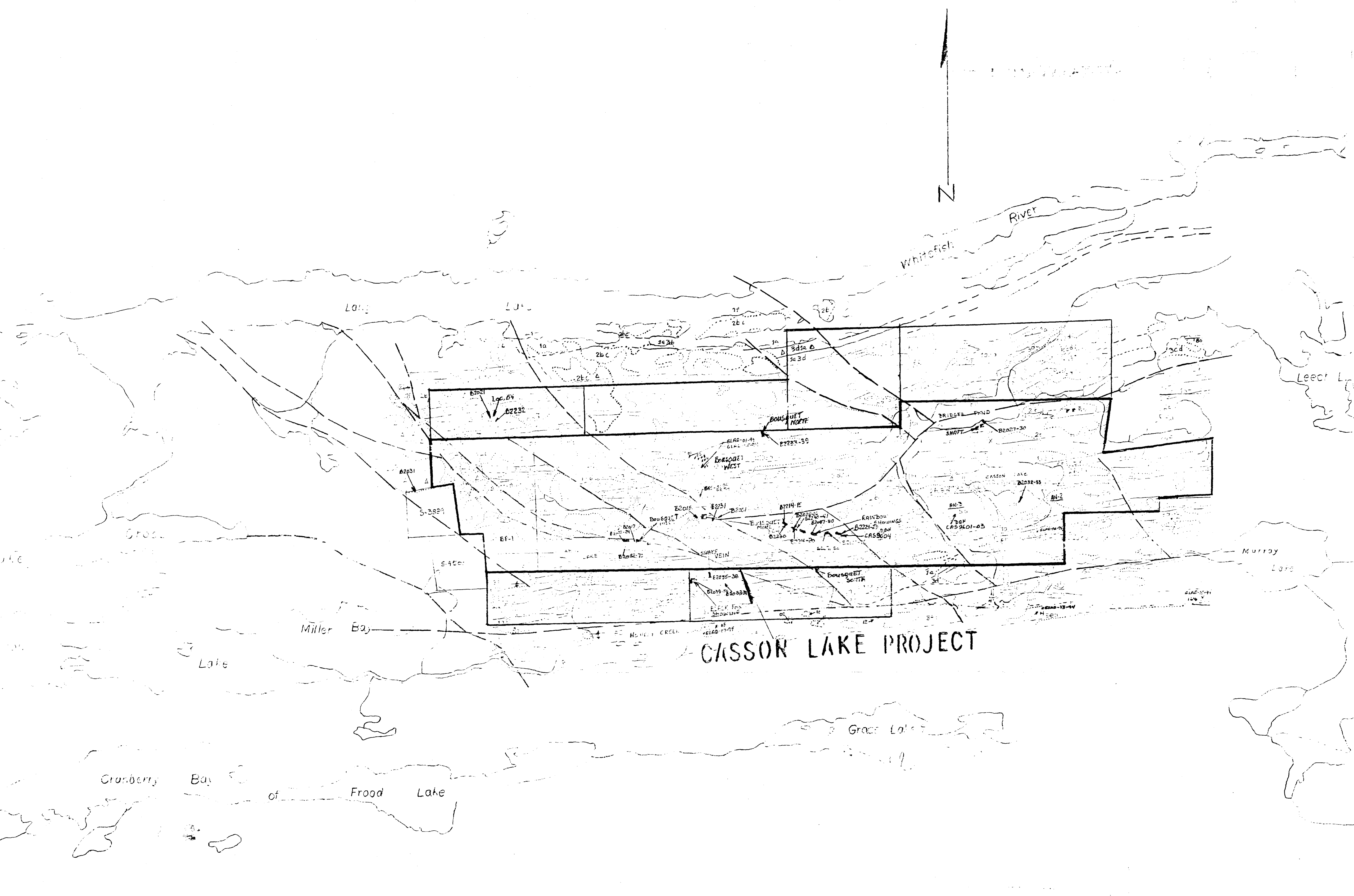
## LITHOLOGIC LEGEND

### Espanola-Whitefish Falls Area

- CENOZOIC**
- PLEISTOCENE AND RECENT**
- Sand, gravel, clay
  - Unconformity
- PRECAMBRIAN**
- LATE DIABASE INTRUSIONS**
- 8a Diabase
  - 8b Trap
  - Intrusive Contact
- MONGOWIN PLUTON**
- 7a Granophyre
  - 7b Diorite, granodiorite
  - 7c Peridotite, amphibolite
  - Intrusive Contact
- AMPHIBOLITE AND LAMPROPHYRE INTRUSIONS**
- 6a Amphibolite
  - 6b Porphyritic amphibolite
  - Intrusive Contact
- GABBROIC INTRUSIONS**
- 5a Hornblende metagabbro
  - 5b Pyroxene gabbro
  - 5c Actinolite amphibolite
  - Intrusive Contact
- METASEDIMENTS**
- CALCAREOUS METASEDIMENTS**
- 4a Marble, impure limestone
  - 4b Calcareous siltstone, argillite
  - 4c Calcareous quartzite
  - 4d Chert, chert breccia
  - 4e Scapolite hornfels
  - 4f Skarn
- QUARTZITE**
- 3a White medium-grained orthoquartzite
  - 3b White fine-grained orthoquartzite
  - 3c Feldspathic quartzite, arkose
  - 3d Biotitic quartzite, protoquartzite
  - 3e Ferruginous quartzite
  - 3f Green micaceous quartzite
- CONGLOMERATE**
- 2a Polymictic conglomerate, protoquartzite matrix
  - 2b Polymictic paraconglomerate, greywacke matrix
  - 2c Polymictic paraconglomerate, laminated argillite matrix
  - 2d Polymictic paraconglomerate, calcareous greywacke matrix
  - 2e Polymictic orthoconglomerate, greywacke matrix
  - 2f Oligomictic quartz-pebble conglomerate
- PELITE**
- 1a Muscovitic and chloritic metapelite
  - 1b Biotitic metapelite
  - 1c Plagioclase metapelite
  - 1d Chloritoid metapelite
  - 1e Garnet metapelite
  - 1f Laminated argillite
  - 1g Greywacke, subgreywacke
  - 1h Cherty argillite, argillaceous chert.
- △△△ Breccia**

240

2.17084



CASSON LAKE PROJECT

NO.	REVISION	BY	DATE
TITLE: sample Loc. 96			
DRW: D. BRUNNE	DATE: DEC. 96	DRAWING NO:	6
CHECKD:	DATE:	SCALE: 1 INCH = 1/4 MILE	SHT. NO:
APPRD:			