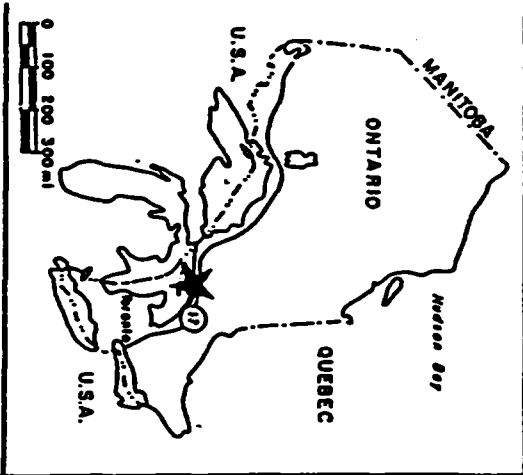
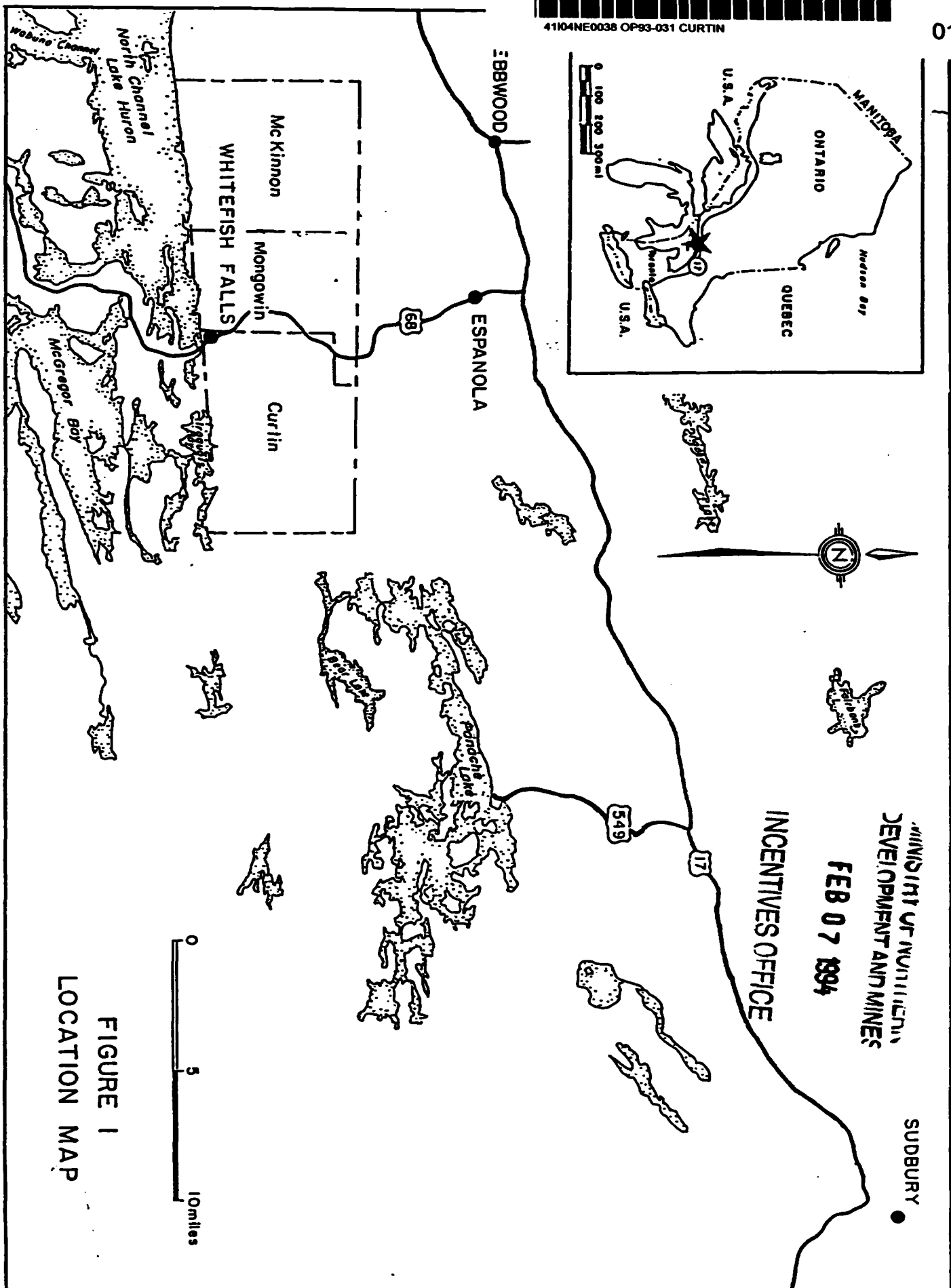




41104NE0038 OP93-031 CURTIN



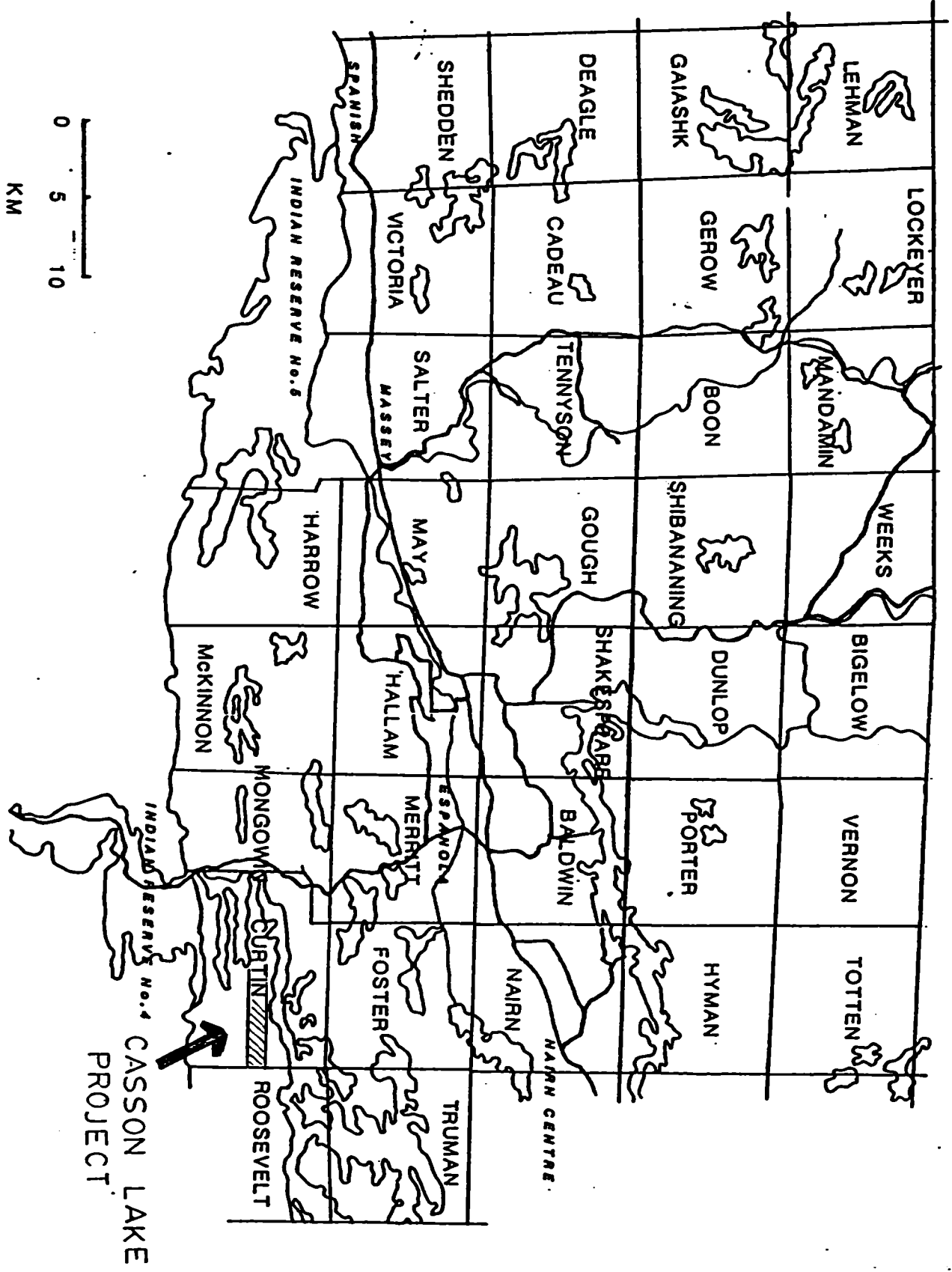
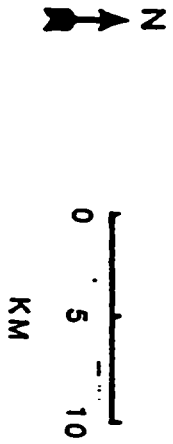
MINISTRY OF MULTILATERAL  
DEVELOPMENT AND MINES

FEB 07 1994

INCENTIVES OFFICE

SUDBURY ●

FIGURE 1  
LOCATION MAP



## LOCATION

The Casson Lake claim group is located about 65 km west of the city of Sudbury, Ontario (Figure 1 and 2). The property was staked to cover a section of an easterly-trending Nipissing Diabase sill-like metagabbro body about 250 m wide which hosts or is associated with copper, nickel and platinum group elements mineralization within the sill itself or gold mineralization within the Huronian sediments near the dike contacts.

The claim group extends roughly 6 kilometers west from the eastern boundary of Curtin Township near the center of the township (Claim Map, back pocket). It lies in the Sudbury Mining Division, in the District of Sudbury. At least three small lakes, including Casson Lake in the eastern part, lie within the claim group. A few trails occur on the property, one of which leads to the past-producing Bousquet gold mine. The claims are shown on claim map sheet G-3005 (back pocket) and NTS map sheet 41 I/4. The center of the claim group is located at 81° 36' longitude West and 46° 9' latitude North.

## ACCESS

The property can be reached from the town of Espanola by travelling 16 km south on Highway 6 to an all-season road (locally known as the Knights of Columbus Road) that runs due east. In the spring, a boat would be used to go from Charlton Lake, through Howry Creek then to a small unnamed lake just south of the claim group. From there, an all-terrain vehicle trail crosses the entire property. During the drier months, Howry Creek is not accessible and thus access would be obtained by boat to Miller Bay on Charlton Lake, then using all terrain vehicles on the trail across the property.

## OWNERSHIP OF THE CLAIMS

The fifteen claims are numbered as follows: S895241 to S895243 inclusive, S984683 to SS984689 inclusive, S993985, S994573, S1136064, S1179657 (4 units) and S1179658 (14 units). These claims are jointly held by Dan Brunne and Roger Stringer, and an agreement between the author, Mr. Brunne and Mr. Stringer was made on March 21st, 1993 which enables the author to earn an ownership interest in all the claims described in this report.

## PROSPECTING TARGETS

During this phase of work on the Casson Lake Property, platinum group elements occurring within the metagabbro sill (Nipissing Diabase) will be our main prospecting target. The previous work done by the present claim holders including power stripping and sampling gave several high platinum and palladium

assays and these areas will be mapped in detail and possibly extended and sampled further. The newly staked claims at the west end of the property were held by BP Resources from 1987 to early 1993. Although the work is not on file at the assessment files at the Resident Geologist's office in Sudbury because the claims were leased, one of the co-holders of the claims, Dan Brunne, has personal knowledge that BP did airborne and ground geophysical surveys, cut a grid on the property and drilled some diamond drill holes and obtained high platinum assays (Personal Communication, Dan Brunne). It is possible that the drill core was donated to the Sudbury Drill Core Library. If so, the author will re-log the core. The areas high in platinum will be located, mapped in detail and sampled extensively.

#### DEPOSIT TYPE AND GEOLOGY

The deposit type on the Casson Lake Property would be copper, nickel and platinum group elements associated with a Nipissing Diabase metagabbro sill. According to G.C. Wilson, 1988: " One prospect with PGE values is located in central Curtin Township ...A steeply dipping, sill-like body of Nipissing Diabase intrudes Gowganda Formation sediments, and PGE and Au values are reported to be associated with sulphides in an area of brecciated and sheared rocks. "(O.G.S. Open File Report 5681)

#### PREVIOUS WORK

At least three known gold showings occur on the property: the Bousquet Mine Occurrence; the Howry Creek Mine Occurrence and the Bridger Pond Occurrence. They occur in the Huronian sediments, locally close to the Nipissing sill contact.

In 1990 and 91, power stripping and sampling were done on the present claims, south of Casson Lake, by Dan Brunne and Roger Stringer. Assays were also included with the highest results as follows: 0.051 oz/ton Au; 3400 ppb Pt; 4507 ppb Pa; 8400 ppm Cu; and 3400 ppm Ni. <sup>d</sup>

In 1988, linecutting, geology and sampling with assays, and mag and VLF-EM surveys were done by Roger Stringer on 11 of the present claims centered on Casson Lake.

In 1987, a combined helicopter-borne magnetic gradiometer and VLF-EM survey was done over an area centered just north of Casson Lake. The survey was done by Aerodat Limited for Stringer Explorations Ltd.

In 1987, BP Resources acquired 100% of a group of leased claims covering the west part of the present claim group. They did airborne and ground geophysics, linecutting and diamond drilling. Although the information was not filed with the Resident Geologist, the author has been told by Dan Brunne, who worked for BP during

this time and who is one of the other co-holders of the present claim group, that some high PGE values were obtained during the drilling. The claims were abandoned in early 1993 since BP Resources closed shop.

During the 1970's, platinum, palladium and gold in association with copper and nickel sulphide mineralization were found in the Curtin Township Nipissing Diabase gabbro sill by Dr. Fred Jowsey and prospectors Stan White and Charles Myles. The discovery was drilled and some sections containing low copper and nickel with some PGEs were located.

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  $Sr^{87}/Sr^{86}$  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  $Sr^{87}/Sr^{86}$  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 implaced after initiation of early major folding, but prior to later deformation and regional metamorphism. Nipissing Diabase intrusions are cut by Sudbury breccia bodies, and 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 Curtain 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 chalcopryite are the predominant sulphide minerals.

**Work Done: (see summary of daily prospecting and maps enclosed in this report)**

**Results and Recommendations:**

Prospecting for PGE's on the "BP Area" did not produce sufficient results to warrant further work at this time, however PGE's encountered on the "Casson Lake Area" were encouraging as another PGE showing was discovered adjacent to the "Malachite Pit". This showing adds continuity to previous workings by the co-holders of the property. (See "Malachite Pit" showing and map enclosed). the area was stripped utilizing a bulldozer and a backhoe then washed down with water supplied with a Mark II Wayjax pump. Channel samples consisting of 21x50 centimetre intervals were collected for assay. Co-holder Dan Brunne made a sketch of the showing. (See Malachite Pit map.) The area in general known as the "Casson Lake Area" has provided considerable encouragement to warrant further investigation and a program which includes gold as well as PGE's is being considered.

The area known as the "Rainbow Showings" discovered during the program is very encouraging as it clearly establishes that gold was deposited after the emplacement of the Nipissing Metagabbro which was previously thought to be the source of gold throughout this region. A large area of Brecciation a short distance west of the past producing "Bousquet Mine" and extends northwest and southeast for several kilometres offers excellent potential for a similar but larger structure related gold deposit to occur. A program incorporating additional staking, extending of grid lines, magnetic survey and conventional prospecting with geological mapping is recommended for 1994 field season. Follow-up work on the "Rainbow Showing" is anticipated which would include further stripping, channel sampling and detailed geological mapping. Should the results prove to be favourable diamond drilling would follow.

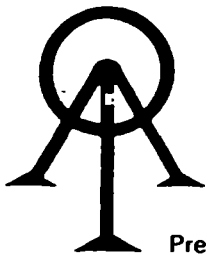
NOTE: With mining exploration at its present depressed state in our province only major mining companies have sufficient resources to carry out new resource projects, they appear to favour only those projects which have drill targets already established and are quite reluctant to invest in projects which do not have this criteria. Therefore the prospector must continue to advance his/her project to the drill stage plateau before a beneficial agreement can be made.

Dan Brunne  
Prospector  
Whitefish Falls, Ontario









# ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO

BOX 426

KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1

TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T

47489

## Certificate of Analysis

Page: 1 of 1

Stringer, Mr. Roger  
P.O. Box 2063  
ESPANOLA, Ontario  
POP 1CO

August 27

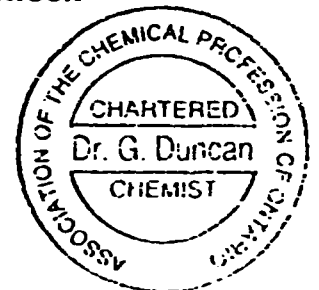
93

Work Order # : 930091  
Project :

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Platinum ppb	Palladium ppb	
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	930994	000002	9	<15	<10
	930995	000003	5	<15	<10
	930996	000004	6	<15	<10
	930997	000005	34	49	104
	930998	000010	6	<15	<10
	930999	000011	462	563	1219
	931000	000012	255	448	940
	931001	000013	6	<15	12
	931002	000014	74	37	163
	931002	000014	51	41	154
	931003	000018	369	563	1431
	931004	000019	487	573	1566
	931005	195813	181	113	228
	931006	195814	31	47	110
	931007	195815	125	<15	<10
	931008	195816	433	266	1303
	931009	195817	494	319	1821
	931010	195818	299	218	1164
	931011	195819	8	<15	15
	931011	195819	<5	<15	11
	931012	195820	146	210	397
	931013	195821	26	42	70
	931014	195822	34	96	133
	931015	195823	<5	<15	13
	931016	195824	19	25	35
	931017	195825	<5	<15	<10
	931018	195826	<5	<15	<10
	931019	195827	26	<15	11
	931020	195828	14	<15	12
	931020	195828	20	<15	13

Check

Check



Check

Per: Dr. G. Duncan



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Page: 2

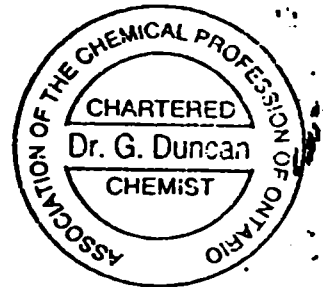
Stringer, Mr. Roger  
P.O. Box 2063  
ESPANOLA, Ontario  
POP 1CO

August 27

93

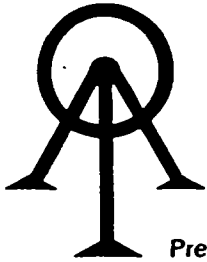
Work Order # : 930091  
Project :

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Accurassay	Customer	ppb	ppb	ppb	
931021	195829	57	46	54	
931022	195830	30	42	47	
931022	195830	38	32	43	Check



Per: Dr. G. Duncan





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Page: 1

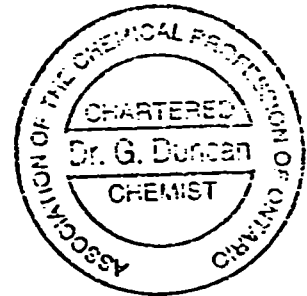
Stringer, Mr. Roger  
 P.O. Box 2063  
 ESPANOLA, Ontario  
 POP 1CO

November 3

93

Work Order # : 930114  
 Project :

SAMPLE NUMBERS		Gold
Accurassay	Customer	ppb
931170	055	23
931171	056	44
931172	057	26
931173	058	47
931174	059	<5
931175	060	5
931176	061	<5
931177	062	<5
931178	063	<5
931178	063	<5 Check



Per: \_\_\_\_\_

*G. Duncan*



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President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

47844

# Certificate of Analysis

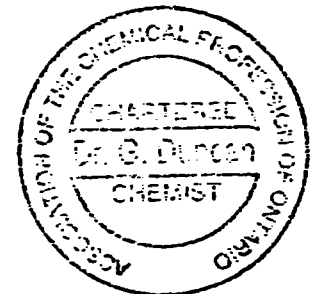
Page: 1

Stringer, Mr. Roger  
P.O. Box 2063  
ESPANOLA, Ontario  
POP 1CO

November 11 93

Work Order # : 930114  
Project :

SAMPLE NUMBERS		Copper
Accurassay	Customer	ppm
931170	055	31
931171	056	38
931172	057	92
931173	058	56
931174	059	12
931175	060	130
931176	061	8
931177	062	8
931178	063	5



Per: *G. Duncan*





## LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / DIVISION OF SGS INC.  
 150 150 RUE • HOLY-NORANDA • QUÉBEC J9X 2H6  
 TEL.: (819) 764 9108 FAX: (819) 764 4673

your ref:

our ref: 16291/1010

CERTIFICAT D'ANALYSE/ASSAY CERTIFICATE

8-Oct-93

CAMECO CORP.  
 1349 KELLLY LAKE ROAD  
 UNIT 6  
 SUDBURY, ONTARIO  
 P3E 5P5  
 ATTENTION: ~~DOUG PANAGAPPA~~

M. L. L.

Jan Bunnis  
 Property

Date soumis/ Submitted: September 24, 1993

No. of samples: 19

No. of pages: 1

ELEMENTS

METHOD

DETECTION LIMIT

32 elements scan

aqua regia/ICP

Certifié par/Certified by:

---

 J.J. Landers Gerant/Manager





# LES LABORATOIRES XRAL LABORATORIES

UNE DIVISION DE / DIVISION OF SGS INC.  
50 RUE RJE - BOULVARD NORDA - QUÉBEC, QX 2H6  
TEL: (819) 764-9108 FAX: (819) 764-4673

## CERTIFICAT D'ANALYSE / CERTIFICATE OF ANALYSTS

1010

Nom de la Compagnie/Company: Cameco Corp.  
Bon de Commande No/ P.O. No:  
Projet/ Project No :  
Date Soumis/ Submitted : Sep 27, 1993  
Attention : DOUG PANAGAPKO

Oct 05, 1993

No. d'Echantillon / Sample No.	AU / PPB	AU / g/t	AU CHK / g/t	AU CHK / g/t	
ON221-01	*	1.27			West trench - grab sample - carbonate altered dyke within shear
ON221-02	*	37.56	37.47	37.64	grab sample - west trench - porous quartz vein with lots of weathered carbonate.
ON221-03	*	1.01	1.02	0.99	
ON221-04	*	0.74	0.75	0.72	
ON221-05	28				0.5m channel samples - west trench
ON221-06	32				
ON221-07	24				
ON221-08	144				
ON221-09	411				
ON221-10	385				#3 - silicified wall rock of shear in west trench, 5% py 3% magne, grab sample.
ON221-11	52				
ON221-12	33				#4 - high graded - sheared dyke - west trench. 5% quartz vein 20% pyrite, 5% mte.
ON221-13	34				
ON221-14	354				
ON221-15	124				
ON221-16	24				
ON221-17	104				
ON221-18	98				
ON221-19	140				

Certifié par / Certified by : \_\_\_\_\_

SAMPLE	BE PPM ICP	BA % ICP	MG % ICP	AG % ICP	PK % ICP	K % ICP	CA % ICP	CO PPM ICP	CI % ICP	V PPM ICP	CR PPM ICP
OR221-01	1.5	02	05	1.20	02	04	03	18.6	02	07	108
OR221-02	1.4	03	06	1.28	02	06	03	2.2	<0.1	32	166
OR221-03	1.3	04	2.00	04	02	06	4.12	15.3	01	55	92
OR221-04	1.5	06	3.01	04	01	07	3.25	10.1	<0.1	106	50
OR221-05	1.7	08	1.13	1.07	04	03	02	7.2	<0.1	53	163
OR221-06	1.7	07	06	06	05	05	03	4.6	<0.1	69	149
OR221-07	1.7	02	01	07	05	00	06	5.0	<0.1	49	137
OR221-08	1.3	05	1.21	1.26	03	02	1.52	13.7	<0.1	46	58
OR221-09	2.7	02	1.20	2.50	02	09	08	11.1	01	70	105
OR221-10	2.0	02	1.10	2.36	02	09	02	6.2	<0.1	56	51
OR221-11	1.3	04	2.15	2.15	03	00	02	14.1	<0.1	95	165
OR221-12	1.5	03	3.92	2.03	02	09	2.74	20.0	<0.1	124	159
OR221-13	1.6	07	07	1.01	03	03	02	1.9	<0.1	21	128
OR221-14	<0.5	06	00	07	01	03	00	1.1	<0.1	6	111
OR221-15	<0.5	07	09	03	02	06	04	1.1	<0.1	9	123
OR221-16	<0.5	06	00	07	01	07	06	1.7	<0.1	15	117
OR221-17	1.9	06	1.07	1.40	07	14	03	4.0	01	63	97
OR221-18	1.7	08	07	1.08	05	02	03	2.5	02	45	106
OR221-19	1.5	07	07	02	03	09	00	2.2	<0.1	32	104
D OR221-01	1.5	02	07	1.10	02	04	04	19.7	02	37	110
D OR221-13	1.6	07	05	08	03	02	01	1.9	<0.1	20	123

SAMPLE	HM PPM ICP	FE % ICP	CO PPM ICP	SI PPM ICP	CU PPM ICP	ZN PPM ICP	AS PPM ICP	SR PPM ICP	T PPM ICP	ZR PPM ICP	MO PPM ICP
OR221-01	2500	7.49	40	07	41.1	7.9	217	15.9	9.3	1.9	<1
OR221-02	571	12.8	029	722	9.0	3.1	190	5.4	2.7	2.6	<1
OR221-03	1030	9.13	166	182	4.7	16.0	124	26.5	6.0	6.0	<1
OR221-04	1020	11.3	678	507	2.7	9.9	57	63.0	2.4	5.0	<1
OR221-05	209	3.61	29	37	6	14.0	<3	7.6	4.2	15.4	<1
OR221-06	376	3.59	10	33	158	10.0	<3	8.9	5.1	17.9	<1
OR221-07	593	2.94	23	35	19.5	5.4	<3	9.3	6.3	19.8	<1
OR221-08	1150	5.29	60	77	9.5	3.2	<3	15.4	4.8	7.0	<1
OR221-09	1740	12.2	50	115	74.2	9.9	<3	17.3	11.9	7.3	<1
OR221-10	624	8.27	144	169	11.0	3.0	<3	14.9	6.7	8.4	<1
OR221-11	751	5.25	45	104	115	28.6	<3	17.3	10.2	8.6	<1
OR221-12	1070	6.69	17	112	220	42.4	<3	73.2	5.9	6.1	<1
OR221-13	729	2.23	15	30	6.5	11.1	217	9.5	4.6	12.6	<1
OR221-14	206	1.51	34	19	10.3	1.8	3190	10.9	1.6	3.8	<1
OR221-15	176	1.35	22	19	3.0	4.2	2460	4.5	2.1	7.4	<1
OR221-16	152	1.39	25	17	1.3	4.6	705	5.2	1.8	5.6	<1
OR221-17	521	5.04	45	48	22.0	14.3	92	14.3	8.8	36.0	<1
OR221-18	341	3.55	39	31	57.2	10.2	51	11.0	5.8	25.3	<1
OR221-19	268	2.90	29	28	20.7	9.0	23	8.7	4.6	13.0	<1
D OR221-01	2510	7.49	41	57	42.3	9.7	220	15.0	9.4	1.9	<1
D OR221-13	221	2.23	14	29	6.4	10.4	200	9.1	4.4	12.2	<1

SAMPLE	AG PPM ICP	CD PPM ICP	SI PPM ICP	SR PPM ICP	BA PPM ICP	LA PPM ICP	TA PPM ICP	T PPM ICP	PE PPM ICP	BI PPM ICP
OR221-01	4	<1	<10	<5	140	16.8	<1	<10	<2	5
OR221-02	1.4	<1	<10	<5	14	3.9	<1	<10	<2	13
OR221-03	4	<1	<10	<5	49	15.3	<1	<10	<2	7
OR221-04	3	<1	<10	<5	14	6.6	<1	<10	<2	9
OR221-05	<1	<1	<10	<5	11	14.5	<1	<10	<2	3
OR221-06	<1	<1	<10	<5	15	12.2	<1	<10	<2	<3
OR221-07	<1	<1	<10	<5	33	14.1	<1	<10	<2	4
OR221-08	2	<1	<10	<5	60	13.4	<1	<10	<2	4
OR221-09	4	<1	<10	<5	432	37.3	<1	<10	<2	11
OR221-10	3	<1	<10	<5	62	20.2	<1	<10	<2	10
OR221-11	<1	<1	<10	<5	45	18.5	<1	<10	<2	5
OR221-12	1	<1	<10	<5	32	12.0	<1	<10	<2	6
OR221-13	<1	<1	<10	<5	32	17.3	<1	<10	<2	4
OR221-14	<1	<1	<10	<5	10	5.9	<1	<10	<2	<3
OR221-15	<1	<1	<10	<5	21	12.0	<1	<10	<2	<3
OR221-16	<1	<1	<10	<5	13	9.6	<1	<10	<2	<3
OR221-17	<1	<1	<10	<5	20	8.7	<1	<10	<2	5
OR221-18	1	<1	<10	<5	24	9.8	<1	<10	<2	3
OR221-19	<1	<1	<10	<5	21	12.5	<1	<10	<2	4
D OR221-01	5	<1	<10	<5	143	17.3	<1	<10	<2	5
D OR221-13	<1	<1	<10	<5	31	17.0	<1	<10	<2	<3

**Symbols**

- X small bedrock outcrop
- area of bedrock outcrop
- geological boundary; observed, gradational, interpreted
- bedding; vertical, inclined, overturned, tops, from cross-bedding
- foliation, schistosity; vertical, inclined, from closely spaced fractures in brittle rocks, unknown
- jointing; vertical, inclined
- quartz veins; vertical, inclined, unknown
- fault
- offset, with sense of movement
- lineament
- minor fold, with plunge
- lineation
- glacial striae
- scarp, cliff
- stream, intermittent stream
- swamp, marsh
- diamond drill hole with azimuth and dip, vertical or orientation unknown, length in plan
- pit, trench
- shaft
- building, foundation
- road or trail
- low ground
- shore line
- △△ breccia: fault or Sudbury type
- rubble

xxxx

→  
=

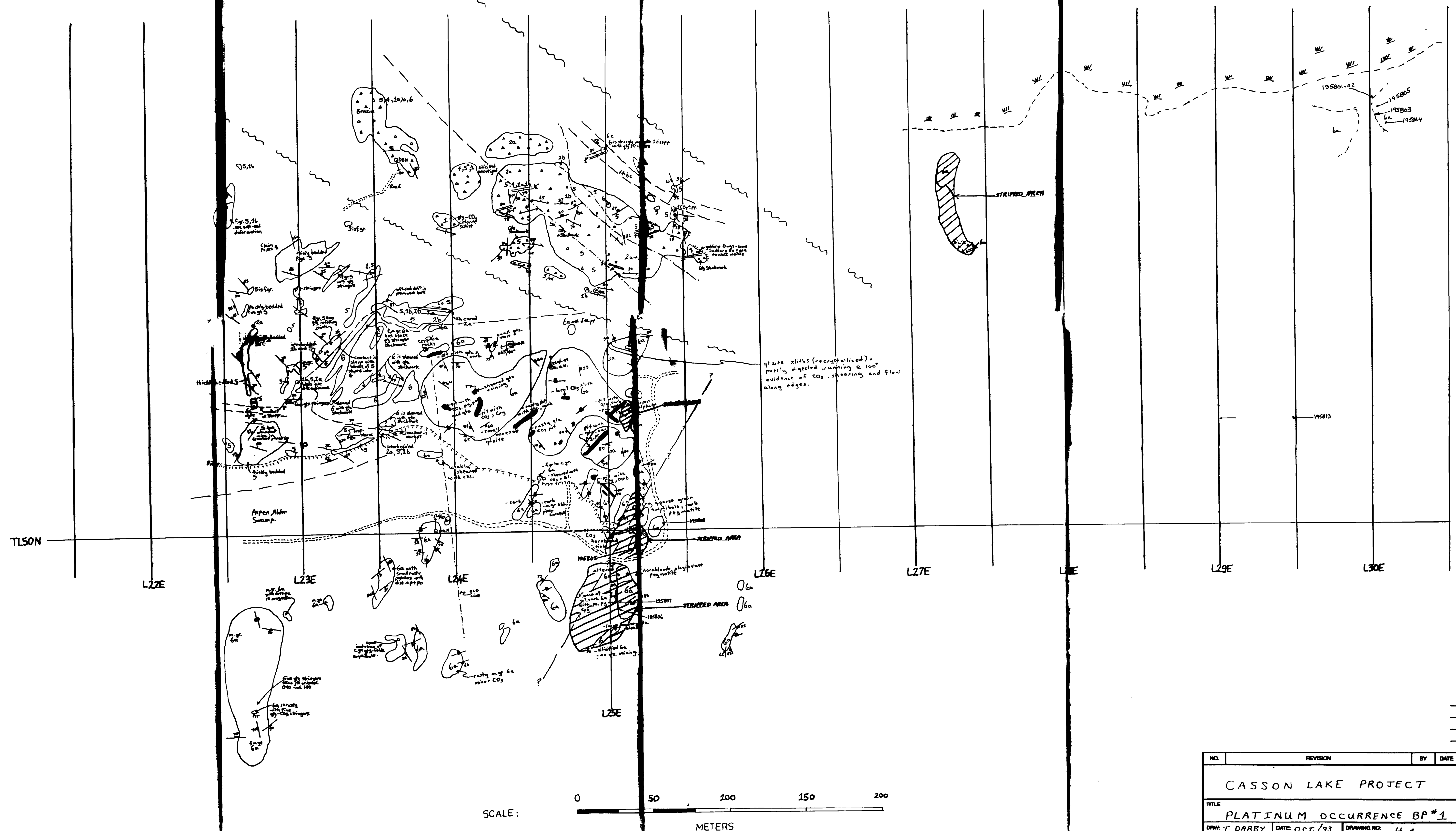
**MINERALS**

Tr = trace  
 Chl = chlorite  
 o/b = overburden  
 Str = stringers  
 diss = disseminated  
 Sch = schist

asp	arsenopyrite	hem	hematite, hematization
biot	biotite	mag	magnetite, magnetic
carb	carbonate, carbonatized	py	pyrite
cpy	chalcopyrite	po	pyrrhotite
epid	epidote	qtz	quartz
go	galena	sil	silicified, silicification



- LEGEND**
- Mafic Intrusions
  - 6 (a) Nipissing Diabase
  - (b) 77 Gabbro
  - (c) Amphibolite
  - Horonian Supergroup
  - Gowganda Formation
  - 5 (a) Quartzite Feldspathic
  - (b) Quartzite Micaceous
  - (c) Quartzite Orthoquartzite
  - 4 Protoquartzite
  - 3 Subwacke
  - 2 Conglomerate
  - (a) Pebble-Wacke, <10% clasts
  - (b) Paraconglomerate >25% clasts
  - 1 Pelite
  - (a) Mudstone
  - (b) Siltstone

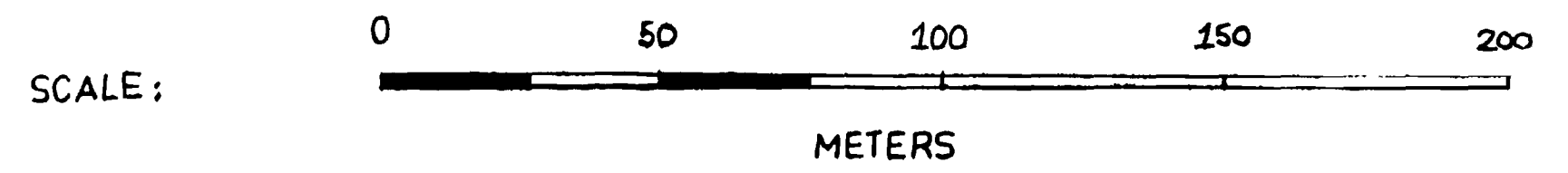
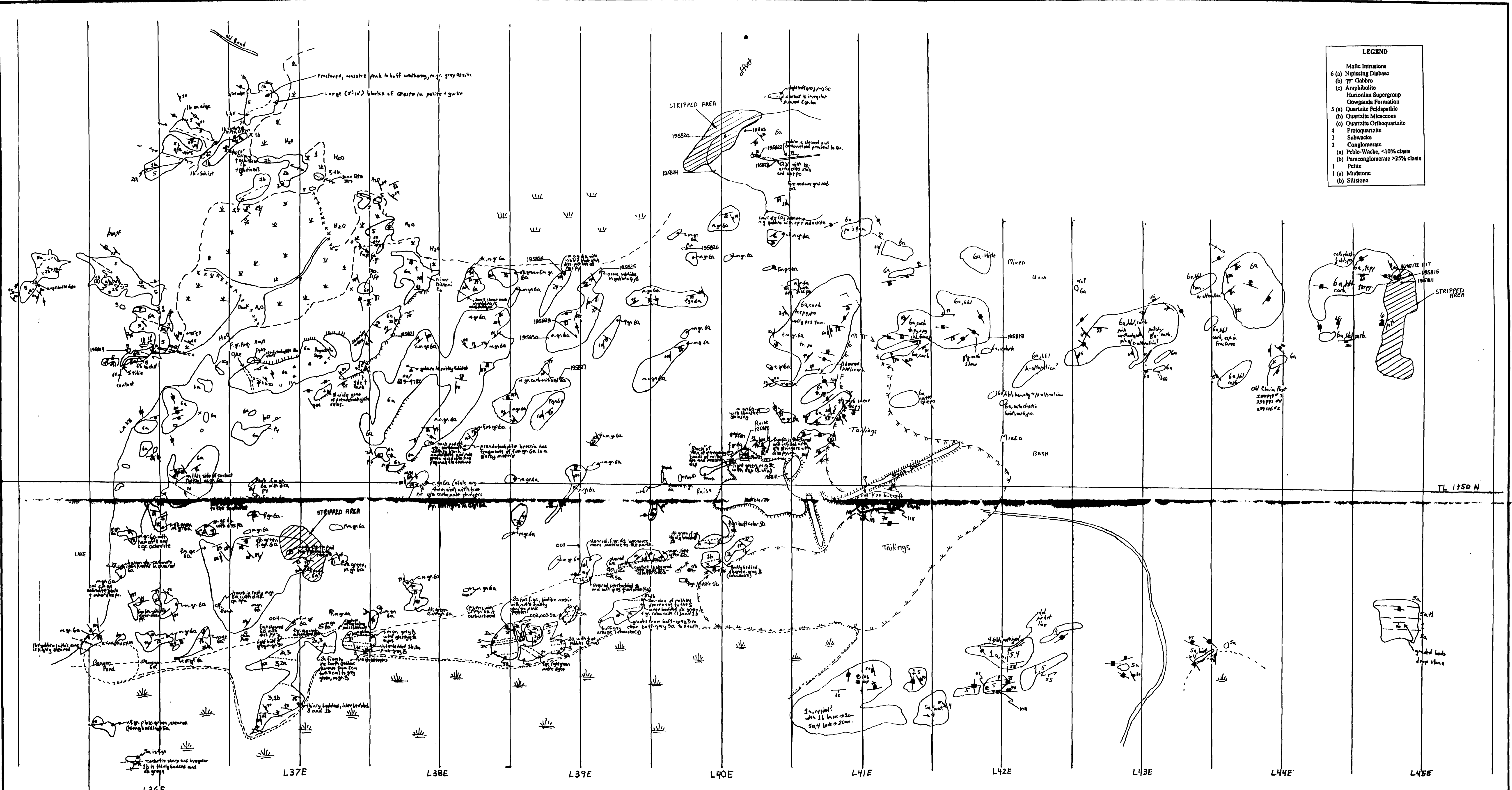


NO.	REVISION	BY	DATE
CASSON LAKE PROJECT			
TITLE PLATINUM OCCURRENCE BP #1			
DRW: T. DARBY	DATE: OCT. /93	DRAWING NO: # 1	
CHECKED:	DATE:		
APPD:	SCALE: 1:1204	SHT. NO: 1 OF 3	



**LEGEND**

Mafic Intrusions	
6 (a)	Nipissing Diabase
(b)	Gabbro
(c)	Amphibolite
Huronian Supergroup	
Gowanda Formation	
5 (a)	Quartzite Feldspathic
(b)	Quartzite Micaceous
(c)	Quartzite Orthoquartzitic
4	Protoquartzite
3	Subvolcanic
2	Conglomeratic
(a) Pebble-Wacke, <10% clasts	
(b) Paraconglomerate >25% clasts	
1	Pelite
(a) Mudstone	
(b) Siltstone	



SEE "BOUSQUET SOUTH"

NO	REVISION	BY	DATE
CASSON LAKE PROJECT			
TITLE			
DETAIL GEOLOGY BOUSQUET MINE AREA			
DRW: T. DARBY	DATE: OCT/93	DRAWING NO: #2	
CHECK'D:	DATE:		
APP'D:	SCALE: 1:1204	SHT. NO: 2 OF 3	

220  
NORTH ARROW  
NORTH

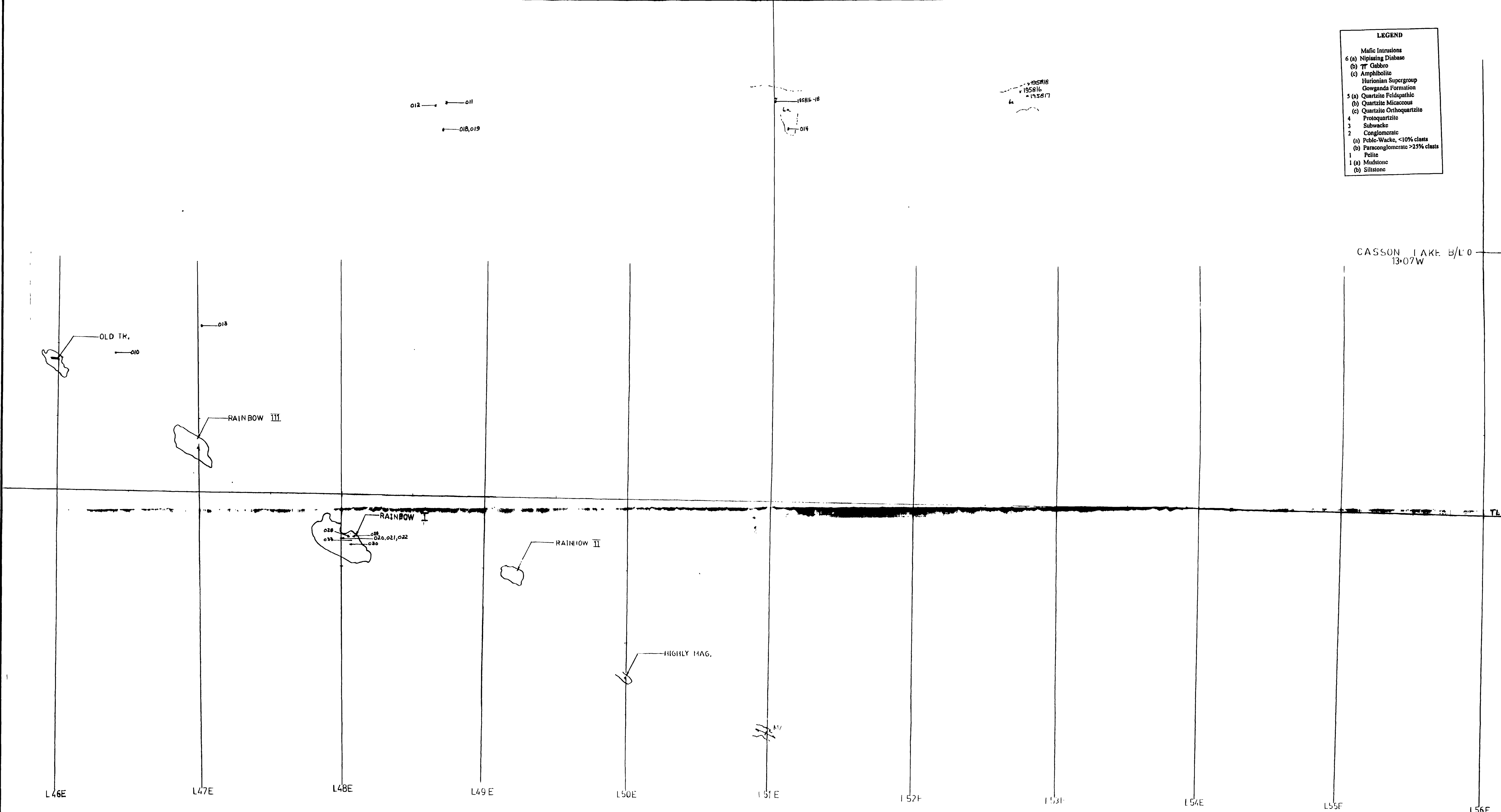
breccia does not appear to be highly sheared. Fragments are 1/2" to 1/4"

breccia is highly sheared - fragments elongated 5:1

breccia has fragments which range from 1/2" to 1/4" in diameter. Matrix is fine to medium and varies in color. Breccia is highly sheared.

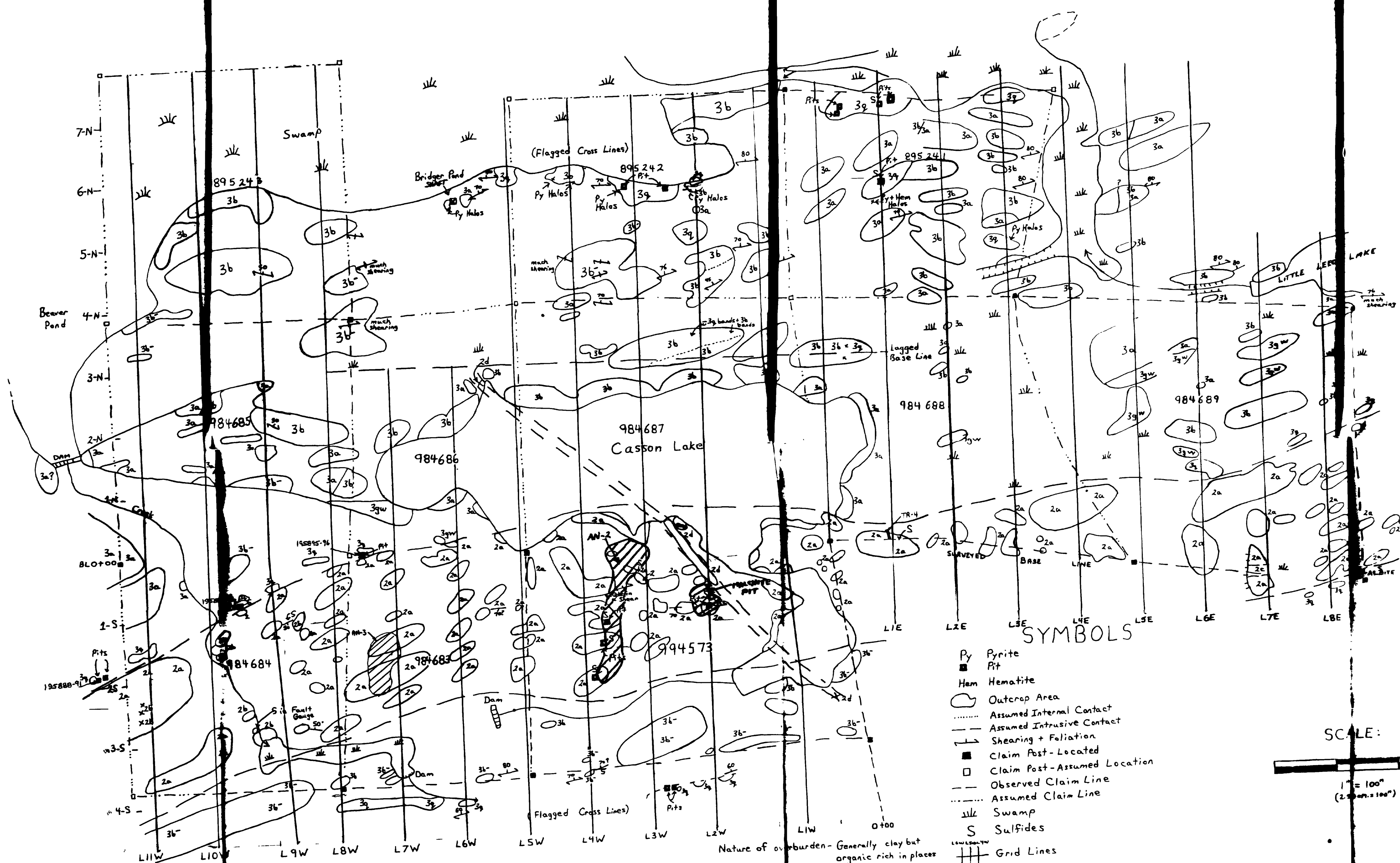
LEGEND	
Mafic Intrusions	
6 (a)	Nipissing Diabase
(b)	Tf Gabro
(c)	Amphibolite
Huronian Supergroup	
Gowganda Formation	
5 (a)	Quartzite Feldspathic
(b)	Quartzite Micaceous
(c)	Quartzite Orthoquartzite
4	Protoquartzite
3	Subwacke
2	Conglomerate
(a)	Pebble-Wacke, <10% clasts
(b)	Paraconglomerate >25% clasts
1	Pelite
1 (a)	Mudstone
(b)	Siltstone

CASSON LAKE B/L 0  
13+07W



230

NO	REVISION	BY	DATE
ROUSQUET EAST			
TITLE			
DRW	DATE:	DRAWING NO: 3	
CHECK'D:	DATE:		
APPR'D:	SCALE: 1:1204	SHT. NO: 3 OF 3	

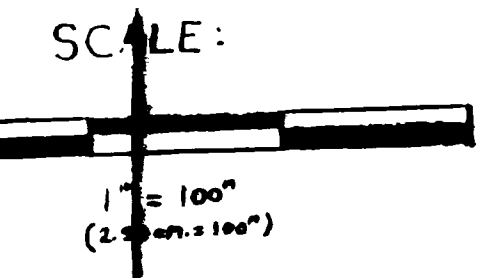


**LEGEND**

- 3a Quartzite
  - 3b Greywacke
  - 3c Tilloid Conglomerate (Polymictic Paraconglomerate with Laminated Argillite)
  - 3d Laminated or Massive Argillite
  - 3e Polymictic Paraconglomerate
- INTRUSIVE CONTACT**
- Nipissing Diabase
  - 2d Magnetic Pyroxenite
  - 2c Pegmatite Phase
  - 2b Mafic Rich (Gabbro in whole or in part)
  - 2a Diorite - Quartz Diorite

**SYMBOLS**

- Py Pyrite
- Hem Hematite
- S Sulfides
- 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



Geology + Report by: *Frank Racicot*  
(Frank Racicot) June/88

Nature of overburden - Generally clay but organic rich in places  
Forest Cover - Mainly birch + poplar  
Some pine

NO.	REVISION	BY	DATE
<b>CASSON LAKE PROJECT</b>			
<b>TITLE GEOLOGY OF P.G.E. OCCURRENCE</b>			
DRW:	DATE: <b>OCT/93</b>	DRAWING NO.:	
CHECK'D:	DATE:		
APP'D:	SCALE: <b>1:3737</b>	SHEET NO.:	