DIAMONI

AREA: SNOWSHOE BAY **REPORT NO:** 24

WORK PERFORMED FOR: Exploration Brex Inc.

RECORDED HOLDER: SAME AS ABOVE (**xx**)

: OTHER

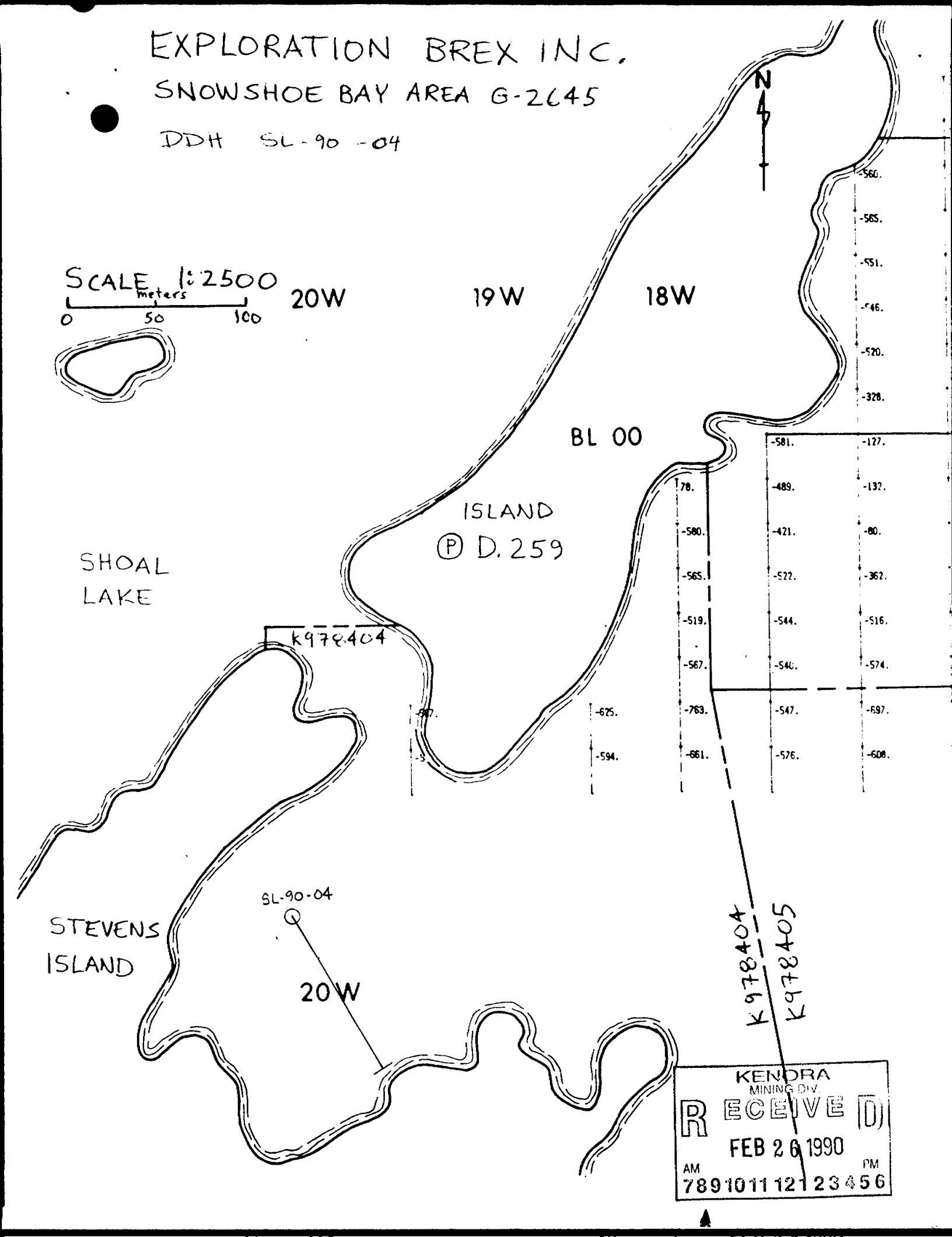
CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
K 978404	SL-90-04	131.98m	Jan-Feb/90	(1)

NOTES: (1) W9001.041, filed Mar/90

EXPLORATION BREX INC.

SNOWSHOE BAY AREA G-2645

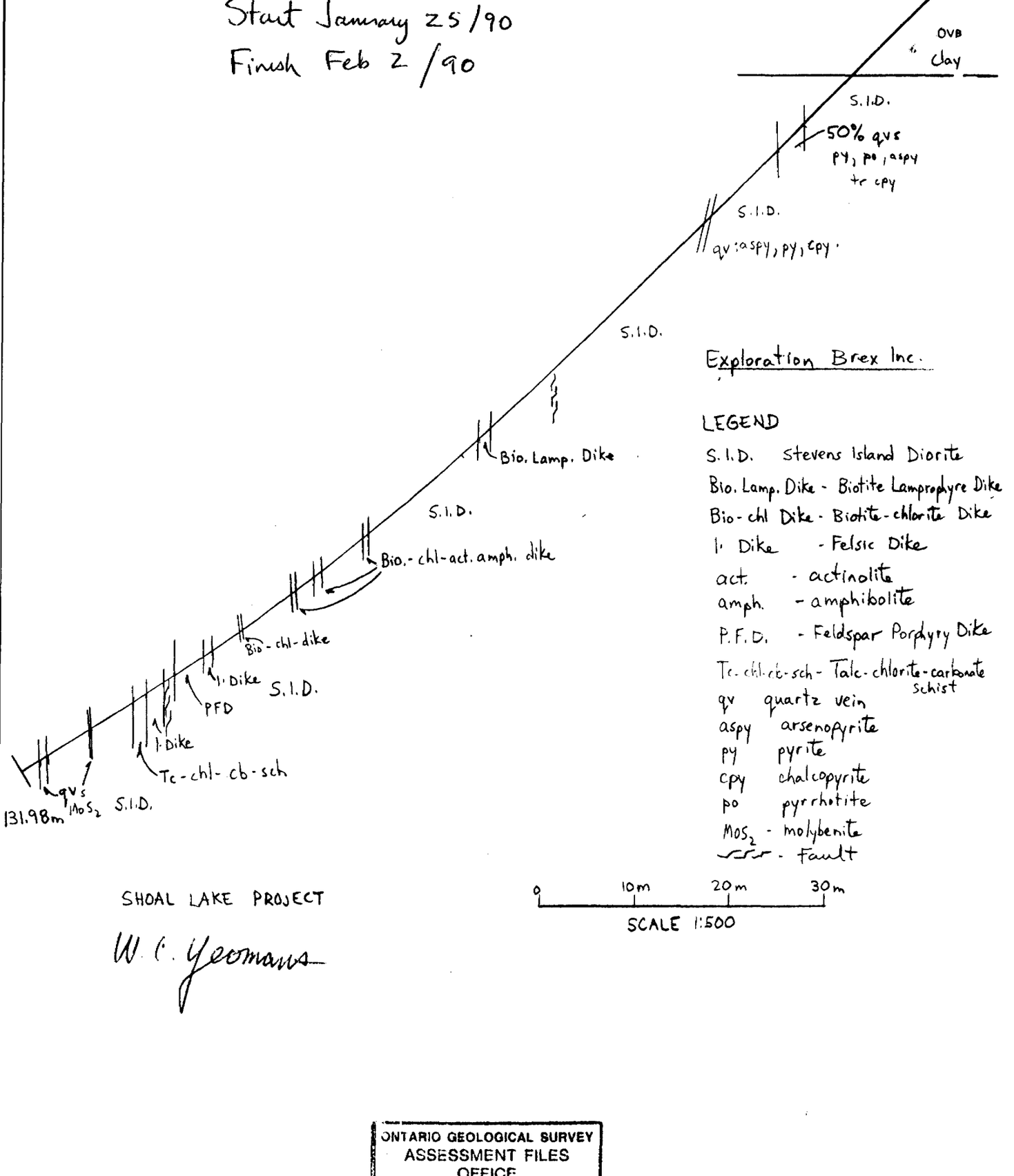
DDH SL-90-04



SL-90-04

Azimuth N150°E

Start January 25/90
Finish Feb 2/90



Exploration Brex Inc.

LEGEND

S.I.D. Stevens Island Diorite
Bio. Lamp. Dike - Biotite Lamprophyre Dike
Bio-chl Dike - Biotite-chlorite Dike
I. Dike - Felsic Dike
act. - actinolite
amph. - amphibolite
P.F.D. - Feldspar Porphyry Dike
Tc-chl-cb-sch - Talc-chlorite-carbonate schist
qv quartz vein
aspy arsenopyrite
py pyrite
cpy chalcopyrite
po pyrrhotite
MoS_2 - molybenite
~~~ - Fault

0 10m 20m 30m
SCALE 1:500

SHOAL LAKE PROJECT

W. C. Yeomans
~~~

JOURNAL DE FORAGE

GROUPE MINIER ARIEL

Société d'exploration: BREX

COLLET	LIGNE:
	ORDONNÉE:
NTS	
AZIMUTH	N150°E
INCLINAISON	-45°
LONGUEUR	131.98

DIMENSION CAROTTE: BQ

COMMENCÉ: Jan 24/90

SONDEUSE: Kenora Diamond Drilling

TERMINÉ: Feb 2/90

TESTS D'INCLINAISON Head - 45°
31.39 m - 45° 121.92 m - 34°
61.87 m - 44.7°
92.35 m - 39.5°

PROJET: STEVENS ISLAND

TROU N°: SL-90-04

30473 & 30481 mixed

Hole cemented and plugged.

William C. Yeomans

DE (m)	A (m)	DESCRIPTION	ÉCHANTILLON N°	DE (m)	A (m)	LONGUEUR (m)	Au g/t	P+M/P
0.00	4.30	Water (Shoal Lake)						
4.30	17.37	Dry clay (very hard)	30442	17.37	18.53	1.16		
			30443	18.53	19.20	0.67		P
17.37	25.00	Stevens Island Diorite (SIDZ)	30444	19.20	20.20	1.00		
		- salt and pepper colour, medium grained, massive,	30445	20.20	20.95	0.75		P
		- intrusive dioritic texture with opalescent blue qtz-eyes,	30446	20.95	21.95	1.00		
		- local narrow (<5cm) qtz veins mineralized with up to 15% py	30447	21.95	22.95	1.00		
		- these veins are generally infrequent (1 vein per 1.5m segment)	30448	22.95	23.95	1.00		
		- local biotite-chlorite seams less than 2mm wide	30449	23.95	24.95	1.00		
		- core locally rubbly from 17.37m to 18.00m, 22.43m to 22.80m						
		- fault at 25.00, with core rubble and clay minerals						
		- core generally non-magnetic to weakly magnetic, pyrrhotite and magnetite (<1%)						

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PROJET: STEVENS ISLAND	TROU N°: SL-90-04	GROUPE MINIER ARIEL	2 - DE -

DE (m)	A (m)	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M/P
25.00	28.85	Mineralized Shear Zone	30450	24.95	25.67	0.72					P+M
		- characterized by sudden increase in shear bands	30451	25.67	26.53	0.86					P+M
		in rock with 50% dirty quartz veins from 25.40m to 27.73m	30452	26.53	27.00	0.47					P+M
		- veins contain sericitized diorite and average 3-5% py, 1% aspy	30453	27.00	27.72	0.72					P+M
		- local blebs of po and cpy	30454	27.72	28.35	0.63					P+M
		- shear well defined by a consistant angle of 50° to C.A	30455	28.35	29.15	0.80					P+M
		- quartz translucent gray blue colour	30456	29.15	30.00	0.85					
		- chlorite-~~biotite~~ banding above and below zone from									
		25.00 to 25.40 and ~~27.73~~ 27.73 to 28.85; represents	30457	30.00	30.65	0.65					
		alteration halo.	30458	30.65	31.39	0.74					
		- the chlorite-biotite zone has 10% qtz flooding, generally <1% py									
28.85	38.85	Stevens Island Diorite									
		- similar to previously described zone									
		- local narrow lamprophyre dike from 30.70m to 30.90m at 50° to C.A.									
		- highly fractured									
		- blocky ground, poor core recovery from 31.39m to 36.40m	30459	36.49	37.49	1.00					
		- local clay minerals on rock	30460	37.49	38.53	1.04					P
		- good core recovery, massive diorite from 36.40m to 38.85m	30461	38.53	38.83	0.30					P+M
			30462	38.83	39.43	0.60					P+M
38.85	39.45	Mineralized Qtz-Vein	30463	39.43	39.73	0.30					P+M
		- banded and disseminated pyrite-arsenopyrite chalcopyrite	30464	39.73	40.54	0.81					P
		- py 3-5% aspy 3-4% cpy <1%									
		- vein oriented at 30° to C.A.									
		- wallrock mineralized and silicified for 0.30m									
		above and below vein with 2-3% py									

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PROJET:	TROU Nº: SL-90-04	GROUPE MINIER ARIEL	3 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON Nº:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M/P
39.45	108.17	Stevens Island Diorite (SIDZ)									
		- medium to coarse grained phases, massive, silicified									
		- local minor - biotite - carbonate lamprophyre dikes									
		- local narrow mineralized quartz veins									
		- minor brecciation (in-situ) with - chlorite - biotite									
		rimming fragments									
		- minor py-po in stringers of qtz-cb									
			30465	40.54	41.54	1.00					
		- 39.45 - 41.94 - S.I. Diorite	30466	41.54	41.94	0.50					P
		- igneous texture lost with weak shearing	30467	41.94	42.44	0.50					P
			30468	42.44	43.44	1.00					P
		-41.94 - 42.12 - Narrow quartz vein at 45° to c.a	30469	43.44	44.44	1.00					
		- 2% py, tr po, tr aspy	30470	44.44	45.00	0.56					P
			30471	45.00	45.97	0.97					
		42.12 - 44.44 - schistose section with igneous texture lost									
		- tr py									
		-44.44 - 45.97 - en-echelon qtz-cb-veinlets oriented									
		at 37°; barren, less than 2mm wide									
		-45.97 - 50.50 - barren S.I Diorite	30472	50.00	51.00	1.00					
			30473	51.00	52.00	1.00					
		-50.50 - 55.20 - mottled and weakly schistose S.I. Diorite	30474	52.00	52.73	0.73					
		- extensional, generally barren qtz-cb stringers	30475	52.73	53.32	0.59					P
		- local breccia rimmed by qtz-carbonate	30476	53.32	54.32	1.00					
			30477	54.32	55.00	0.68					
			30478	55.00	55.78	0.78					

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PROJET: Stevens Island	TROU N°: SL-90-04	GROUPE MINIER ARIEL	4 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M / P
39.45	108.17	Stevens Island Diorite - Continued (SIDZ)	30479	55.78	56.55	0.77					
		-55.20 - 56.80 - Barren S.I. Diorite	30480	56.55	57.00	0 45					P
			30481	57.00	58.00	1.00					
		-56.80 - 57.00 - Quartz - carbonate vein - 1% py									
		- oriented at 42° to c.A.									
		-57.00 - 59.20 - Barren, massive S.I.D									
		-59.20 - 61.87 - altered S.I.D.	30482	60.40	61.24	0.84					
		- sericitized, tr py, tr aspy	30483	61.24	61.87	063					
		-61.87 - 62.00 - Fault rubble core									
		- minor clay material.									
		-62.00 -69-71. - massive S.I. Diorite	30484	67.97	68.90	0.93					
		- minor qtz-cb stringers, tr py	30485	68.90	69.71	0.81					
			30486	69.71	70.13	0.42					P
		-69.71 - 70.13 - Sericitic, silicified S.I. Diorite	30487	70.13	71.02	0.89					
		- 15% fine disseminated aspy	30488	71.02	72.02	1.00					
		- one narrow central xtln carbonate veinlet	30489	72.02	73.02	1.00					
		- ~ 1 cm wide, barren									
		-70.13 - 71.07 - massive to mottled S.I. Diorite									
		-71.07 - 72.42 - Biotite - carbonate lamprophyre dike									
		- massive sharp contacts at 40° to C.A.									
		- nonmagnetic, barren of significant sulfides									

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PROJET: Stevens Island	TROU N°: SL-90-04	GROUPE MINIER ARIEL	5 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M/P
39.45	108.17	Stevens Island Diorite - Continued - (SIDZ)	30490	74.07	75.11	1.04					
		- 72.42 - 74.11 - massive s.l. Diorite	30491	75.11	76.05	0.95					
		- biotitized amphiboles									
		74.11 - 75.95 - schistose s.l. Diorite									
		- minor barren qtz-cb - stringers oriented at 30° to 50° to c.A.									
		- 75.95 - 87.85 - Massive s.l. Diorite									
		- medium to coarse grained									
		- barren of significant mineralization									
		- 87.85 - 88.50 - Biotite-chlorite-actinolite-amphibolite dike									
		- oriented at 60° to c.A, clay minerals on contact									
		- 88.50 - 94.00 - Massive s.l. Diorite									
		- medium to coarse grained									
		- barren of significant mineralization									
		- 94.00 - 94.75 - Biotite-chlorite-actinolite-amphibolite dike									
		- irregular lower contact, upper contact at 40° to c.A									
		94.75 - 97.30 - Massive s.l. Diorite									
		- medium to coarse grained									
		- barren									

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PROJET: STEVENS ISLAND	TROU N°: SL-90-04	GROUPE MINIER ARIEL	6 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M/P
39.45	108.17	Stevens Island Diorite - Continued - (SIDZ)									
		-97.30 - 97.70 - Biotite-chlorite-amphibolite-dike									
		- lower contacts have clay minerals									
		-97.70 - 104.30 - Massive SI. Diorite									
		- medium to coarse grained									
		- barren									
		-104.30 - 104.45 - Irregular biotite-chlorite dike									
		- barren									
		-104.45 - 108.17 - Stevens Island Diorite	30492	107.33	108.17	0.84					
		- local insitu brecciation	30493	108.17	109.32	1.15					P
		- barren, minor qtz-carbonate stringers	30494	109.32	110.64	1.32					
		- brecciation strong from 107.40 to 108.17	30495	110.64	111.64	1.00					
			30496	111.64	112.64	1.00					
108.17	109.32	Creamy Yellow Felsic Dike									
		- fine grained, conchoidal fracture, yellow									
		- nonmagnetic, massive, minor qtz-cb filling fractures rare									
		- contacts at 40° to C.A.									
		- Fractures plated with py avg 1%									
109.32	112.77	Silicified Feldspar Porphyry Dike									
		- brown grey to brown-green, massive									
		- Fine grained, non-magnetic, highly silicified									
		- Fractures more abundant with qtz-cb stringers									

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PROJET:	TROU N°:	GROUPE MINIER ARIEL	7 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t				P+M/P
109.32	112.77	Silicified Feldspar Porphyry Dike - Continued- (SIDZ)									
		- anhedral feldspar phenocrysts less than 1mm in size represent 10% of rock									
		- tr to 1% py, tr po									
112.77	113.74	- Schistose Stevens Island Qorite	30497	112.64	113.69	1.05					
		- abundant qtz-cb stringers	30498	113.69	114.54	0.85					P
		- 1% py, tr po	30499	114.54	115.29	0.75					P
		- schistosity weakly developed at 40° to 50° to C.A.	30500	115.29	116.29	1.00					P
		- upper and lower contacts sharp									
113.74	116.37	Creamy Felsic Dike									
		- similar to previously described creamy yellow dike									
		- more fractures, tr - 1% py									
		- upper and lower contacts at 60° to C.A									
116.37	117.80	Talc-Chlorite-Carbonate-Schist	32001	116.29	117.10	0.81					
		- banded, fine grained	32002	117.10	117.79	0.69					P
		- schistose at 60° to C.A	32003	117.79	118.79	1.00					
		- locally mineralized with 3% fine py from 117.20 to 117.40	32004	118.79	119.79	1.00					
		- lower contact poorly defined, 1% aspy, 1% po	32005	119.79	120.79	1.00					
			32006	120.79	121.79	1.00					
117.80	131.98	Highly Altered Stevens Island Diorite	32006	121.79	122.83	1.04					
		- medium grained, massive, lime gray-green colour									
		- all mafic minerals completely destroyed									
		- has porphyritic, intrusive texture									
		- feldspar phenocrysts completely sauceritized									

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PROJET:	TROU N°:	GROUPE MINIER ARIEL	8 - DE -

DE	A	DESCRIPTION	ÉCHANTILLON N°:	DE (m)	A (m)	LONGUEUR (m)	Au g/t	Mo (ppm)			P+M/P
117.80	131.98	Highly Altered Stevens Island Diorite - continued - (SIDZ)	32007	121.79	122.83	1.04					
		- abundant actinolite - carbonate fracture-filling	32008	122.83	123.53	0.70					P
		- numerous quartz - carbonate veinlets containing	32009	123.53	124.10	0.57					
		up to 7% MoS_2									
		- there is strong evidence that the S.I.D is hydrothermally	32010	125.88	126.63	0.75					
		altered here	32011	126.63	127.26	0.63					
		- 123.35 - 123.38 - qtz-cb vein - 7% MoS_2	32012	127.26	128.26	1.00					
		- oriented at 20° to c.A	32013	128.26	128.93	0.67					P
			32014	128.93	129.63	0.70					P
		- 128.78 - 129.60 - qtz - cb - stockwork - 5% MoS_2	32015	129.63	130.38	0.75					
		- irregular orientation	32016	130.38	130.98	0.60					
		- moly as large dime size crystals	32017	130.98	131.98	1.00					
		steel-blue grey metallic colour									
		E.O.H. 131.98 (Hole lost in cave-in while changing bit)									

LFC-374

Ministry of Northern Development and Mines

Ontario

assess files

DOCUMENT No
W9001•041

52E11SE9087 24 SNOWSHOE BAY (SHOAL

900

Expenditures.

- Refer to Sections 76 and 77, the Mining Act for assessment work requirements and the reverse side of this form for table of information.

Mining Act — Report of Work

Name and Address of Recorded Holder	Prospector's Licence No.
EXPLORATION BREX INC., 540 Selkirk St. S.,	T5254
THUNDERBAY, ONT., P7E 1T6 (for 162278 Canada Inc.)	Telephone No. 622-6020

Summary of Distribution of Credits and Work Performance

Mining Division: Kenora

Township or Area: G.2645 Snowshoe Bay Area

Total Assessment Credits Claimed: ~~433~~ 300

Type of Work Performed (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work
- ☐ Mechanical equipment
- ☐ Power Stripping other than Manual (maximum credit allowed - 100 days per claim)
- ☑ Diamond or other Core drilling
- ☐ Core Specimens

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
K	1058258	60						
K	1085139	60						
K	1085155	60						
K	1085156	60						
K	1018972	60						

Dates when work was performed	Total No. of Days Performed	Total No. of Days Claimed	Total No. of Days to be Claimed at a Future Date
From: January 25/90 To: February 2/90	433	300	133

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
K978404	433										

Required Information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side)
If space below is insufficient, attach schedules with required information and location sketches

KENORA SOIL AND DIAMOND DRILLING,
BOX 109,
KENORA, ONTARIO,
P9N 3X1
OWNER: Mr Paul Matkaluk

Drill Hole SL-90-04

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES OFFICE
MAR - 5 1990
RECEIVED

Certification of Beneficial Interest * (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	February 19/90	William C. Yeomans

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying	Telephone No.	Date	Certified By (Signature)
WILLIAM C. YEOMANS, 540 Selkirk St. S., Thunder Bay, Ont, P7E 1T6	622-6020	February 19/90	William C. Yeomans

For Office Use Only

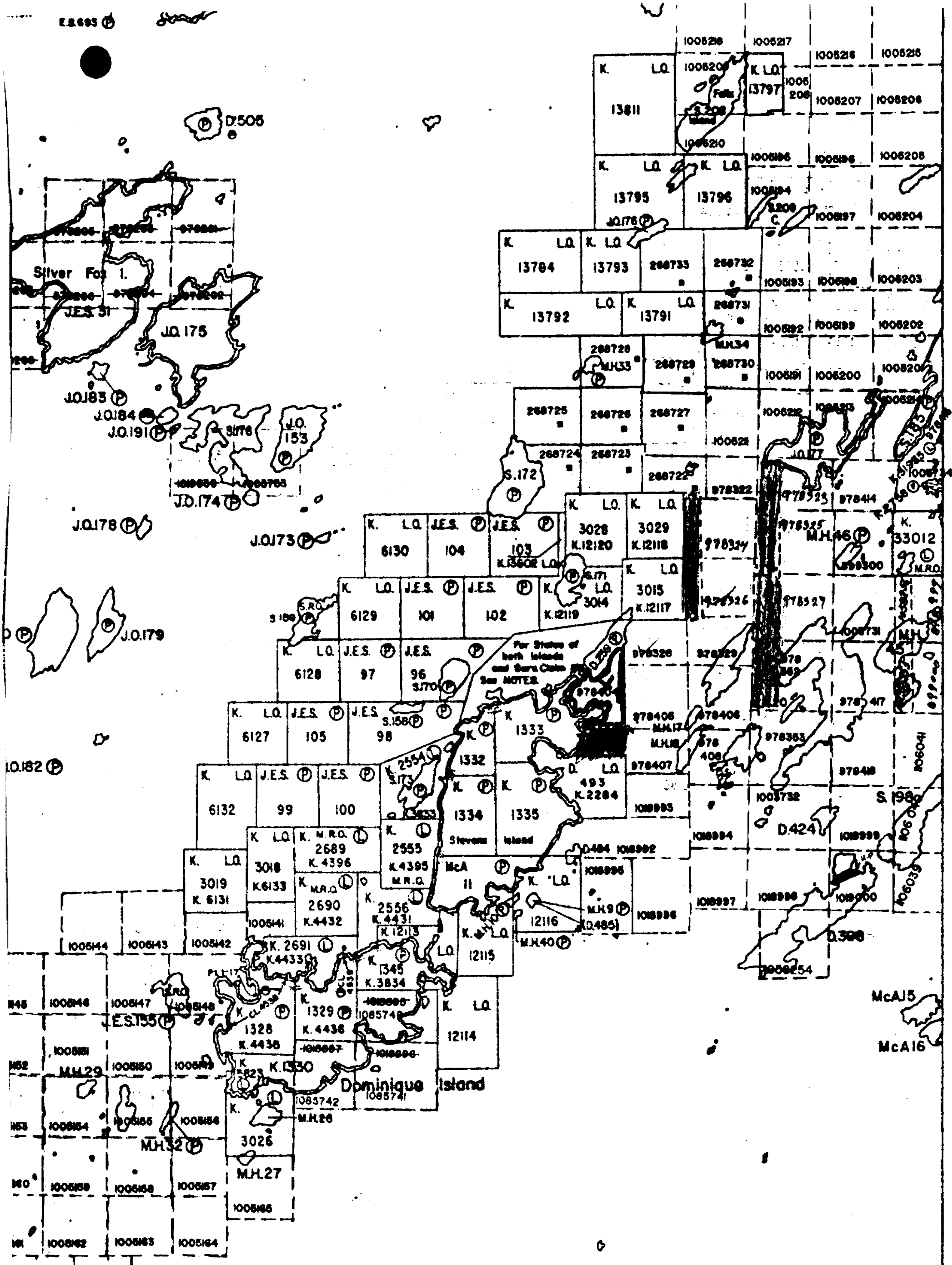
Work Assignments

KENORA MINING DIV.
RECEIVED
FEB 26 1990
AM 8:37 PM
7 8 9 10 11 12 1 2 3 4 5 6

Received Stamp

768 (89/06)

1018972



D.505
Silver Fox I.
J.E.S. 31
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J.O.183
J.O.184
J.O.191
S.176
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J.O.178
J.O.173
J.O.179
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33012
K. L.O. 6130
J.E.S. 104
J.E.S. 103
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3029 K.12118
6129
J.E.S. 101
J.E.S. 102
3014 K.12119
3015 K.12117
6128
J.E.S. 97
J.E.S. 96
S.170
For Status of both Islands and Sura Claim See NOTES.
6127
J.E.S. 105
J.E.S. 98
S.158
K. 1333
K. 1332
6132
J.E.S. 99
J.E.S. 100
K. 2554
K. 1334
K. 1335
Stevens Island
D. L.O. 493 K.2284
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D.424
S.198
3019 K.6131
3018 K.6133
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McA 11
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K. 2556 K.4431
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1005146
1005147
1005148
J.E.S.155
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K. 1329 K.4436
K. L.O. 12114
McA15
McA16
1005151
M.H.29
1005150
K. 1330
Dominique Island
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M.H.26
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M.H.32
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M.H.27
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