



42F04SE0002 12 MCGRAW LAKE

DIAMOND DRILLING

AREA: MCGRAW LAKE

REPORT NO: 12

WORK PERFORMED FOR: Noranda Minerals Inc. Geco Division

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
TB 864113/ 864112	S-322	937'	Mar/87	(1)
TB 864113/ 864120	S-323	797'	Apr/87	(1)
TB 864120	S-324	967'	Apr/87	(1)
TB 864114	S-325	927'	Apr/87	(1)
TB 864119	S-326	923'	Apr/87	(1)
TB 864107/ 864112	S-327	923'	Apr/87	(1)
TB 864107	S-328	707'	May/87	(1)
TB 864107/ 864112	S-329	712'	May/87	(1)
TB 864119	S-330	877'	May/87	(1)
TB 864113	S-331	745'	May/87	(1)
TB 864113	S-332	704'	May/87	(1)
	S-333	787'	May/87	(1)
TB 864118	S-334	1244'	May-June/87	(1)
TB 864113	S-335	757'	June/87	(1)
	S-336	905'	Sept/87	(1)
TB 864114/ 864120	S-337	907'	Sept/87	(1)

K. D. A. 13812

NOTES: (1) #W8804.107, filed July/88

8/12/87

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

HOLE-ID: S-322

START DATE: 24/03/87

COMPLETED: 30/03/87

LOGGED BY: GAGNON

CORE SIZE: BQ

EASTING: 3552.2

NORTHING: 1771.2

ELEVATION: 1091.8

HOLE LENGTH: 937.0

AREA: 86-1

PURPOSE: INVESTIGATE MAG ANOMALY

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	1.0	OVERBURDEN, CASING		C
1.0	1.5	ANORTHOSITE	WHITE TO GREEN LOC BUFF, MOTTLED, CG, TR TO MNR PO, PY, CPY LOC 2%	20F
1.5	3.5	BIO SCHIST	DK GREY TO BLK, MG, OCC ANORTHOSITE STRINGERS	8S
3.5	4.0	ANORTHOSITE	AS ABOVE	20F
4.0	5.0	HB SCHIST	MASSIVE HB CRYSTALS	13A
5.0	6.0	ANORTHOSITE	AS ABOVE 3-5% PY, CPY	20F
6.0	7.0	BIO SCHIST	SOME ANORTHOSITE STRINGERS	8S
7.0	14.5	ANORTHOSITE	ANORTHOSITE AS ABOVE	20F
14.5	16.0	ANORTHOSITE	ANORTHOSITE AS ABOVE WITH 5-8% PY, CPY, MAG	20F
16.0	20.5	ANORTHOSITE	WHITE TO GREEN, LOC BUFF, MOTTLED, CG, TR TO MNR PO, PY, CPY	20F
20.5	21.0	CHL BIO SCHIST		8C
21.0	25.0	ANORTHOSITE		20F
25.0	33.5	CHL HB BIO GNEISS	ANORTHOSITE AS ABOVE TO 16.0	20F
33.5	35.0	ANORTHOSITE	SERPENTINIZED, LOC SER, LAUM CALCITE STR	13C
35.0	37.5	HB BIO GNEISS	AS ABOVE BUT DARKER	20F
37.5	40.0	HB BIO GNEISS	DK GRN TO BLK, FG, 1-2%PY, @35 1.5" CHL KNOT, @37 VAGUE FRAG	138
40.0	41.0	HB BIO GNEISS	ALTERED, ABNT LAUM, EPI, 3-5%PY	138
41.0	42.0	HB BIO GNEISS	DK GRN TO BLK, FG	138
42.0	46.0	HB BIO GNEISS	ALTERED, ABNT LAUM CALC, 3-5%PY	138
46.0	49.0	QFB GNEISS (3F)	DK GRN TO BLK, FG, 1-2% PY	8E
49.0	51.0	ANORTHOSITE	LT GREY, MG, FLD PORPH, RES 3F	20F
51.0	52.0	HB CHL SCHIST	DK GRN, CG, FLD PHENO TO 1.5"	20F
52.0	53.0	HB BIO GNEISS	DYKE, CONTACTS AT 45 DEG TO C/A	13C
53.0	61.5	ANORTHOSITE	DK GRN TO BLK, 1-2%PY	138
61.5	67.0	HB BIO GNEISS	DK GRN, CG, CHL, ABNT LARGE FLD PHENO	20F
67.0	70.0	ANORTHOSITE	DK GRN TO GREY, FG, FLUORITE, CALCITE, LAUMONTITE IN VEINS	138
70.0	72.0	HR BIO GNEISS	DK GRN, CG, CHL, ABNT LARGE FLD PHENO	20F
72.0	75.5	ANORTHOSITE	DK GRN TO GREY, FG	138
75.5	81.0	ANORTHOSITE	DK GRN, CG, CHL, LARGE FLD PHENO	20F
81.0	89.0	QFB GNEISS /3F	SHEARED, ALTERED, CHL, @81 .5" CAL EPI VEIN	20F
89.0	98.0	CHL SCHIST/4AS	LT TO MED GREY, CG	8E/3F
98.0	109.0	HB BIO GNEISS	SHEARED, MOD MAGNETIC, MOTTLED, SERPENTINIZED, RES 4AS	20D
109.0	111.0	HB BIO GNEISS	DK GRN, FG	138
111.0	112.0	HB BIO GNEISS	FRACTURE ZONE	138
112.0	137.0	QFB GNEISS	DK GRN, FG	138
137.0	139.5	HB CHL SCHIST + QFB GNEISS	AS ABOVE	8E
139.5	144.0	HB CHL SCHIST	RES FRAGMENTAL, LOC GARNETS, FOL 80 DEG TO C/A	218J
144.0	180.0	HB CHL SCHIST + QFB GNEISS	LOC INTBD QFB, 3-5% PY, PO, CPY	13C
			RES FRAGMENTAL	218

John Gagnon

180.0	197.0	QFB GNEISS/3F	RES GECO 3F OR HEMLO PORPHYRIES	3F
197.0	204.0	QFB GNEISS	LT GREY, VFG, W BANDED, ABNT HB FLD GN BANDS, VAGUE FRAG TEXTURE	8E/21
204.0	206.5	QFB GNEISS/3F	CCC LAUM	3F
206.5	216.5	QFB GNEISS	LT GREY, VFG, @210.5 DISC CONTACT BETWEEN HB FLD GN AND QFB	8
216.5	218.5	IRON FORMATION	SIL, LT TO MED GREY, WELL BANDED, 25-50%MAG, LOC 10-15% SULPHIDES	10A
218.5	241.5	DIABASE DYKE	MD GREY, F TO CG, LOC C/PY ALONG FRACTURES	7
241.5	258.5	IRON FORMATION	AS ABOVE	10A
258.5	260.0	HB FLD GNEISS	DK GRN, FG, MNR SER ALTERATION, VAGUE FRAG TEXTURE	13B(21)
260.0	271.5	HB FLD GNEISS	DK GRN, FG, HOMOG, POSS INTRUSIVE, OCC PY BLEBS	13B
271.5	273.0	HB FLD GNEISS	DK GRN, FG, LOC RED KSPAR, VAGUE FRAG TEXTURE	13B(21)
273.0	274.0	PEGMATITE	WHITE, CG	6A
274.0	278.0	HB FLD GNE	AS ABOVE	13B
278.0	279.0	QFB GNEISS/3F	RES 3F	3F
279.0	280.0	HB FLD GNEISS	AS ABOVE	13B
280.0	281.0	QFB GNEISS/3F		3F
281.0	281.5	HB FLD GNEISS		13B
281.5	285.0	IRON FORMATION	SIL, MOD MAG, 10-20%PO, PY, @282 3" MASSIVE SULPH	10A
285.0	290.0	HB FLD GNEISS	DK GRN, F TO MG, WK TO MOD MAG UP TO 20% SULPH, VAGUE FRAG TEXT	13B(21)
290.0	297.0	HB FLD GNEISS	AS ABOVE BUT CONTAINS WHITE WISPY MINERAL RES STILL	13B
297.0	302.0	HB FLD GNEISS	DK GRN, MOD MAG, LOC VAGUE FRAG TEXTURE	13B(21)
302.0	305.0	QFB GNEISS	LT GREY, FG, FOL 60 DEG TO C/A	8D
305.0	306.0	QFB GNEISS + HB FLD GNEISS	FRAGMENTAL TEXTURE	8D/13A
306.0	309.0	HB FLD GNEISS	DK GRN, F TO MG, WK TO OD MAGNETIC	13B
309.0	312.0	HB FLD GNEISS	UP TO 20% PO, PY, (CPY) LOC NEAR MASSIVE	13B
312.0	313.5	HB FLD GNEISS	DK GRN, F TO MG, WK TO MOD MAGNETIC	13B
313.5	315.0	HB FLD GNEISS	UP TO 10 % PO, PY, (CPY)	13B
315.0	321.0	HB FLD GNEISS	DK GRN, F TO MG, WK TO MOD MAGNETIC	13B
321.0	323.0	HB FLD GNEISS	5-15% PO, PY, (CPY)	13B
323.0	328.0	HB FLD GNEISS	DK GRN, F TO MG, LOC FRAG TEX, MNR PY, WHITE WISPY MINERAL	13B(21)
328.0	330.5	QYZ VEIN	OCC BLEBS OF PY, PO, C/PY WITH MASSIVE PO ON MARGINS	6Z
330.5	336.0	HB FLD GNEISS	AS ABOVE	13B
336.0	337.0	ANORTHOSITE	WHITE TO GRN, MOTTLED, CG, OCC MAG, POSS SILL	13B
337.0	363.5	HB FLD GNEISS	DK GRN, F TO MG, LOC FRAG TEXTURE, MN PY STR, POSS "SILL"	20F
363.5	365.0	QFB GNEISS	DIKE, DISCORDANT CONTACTS	13B(21)
365.0	370.5	HB FLD GNEISS	AS ABOVE	8D
370.5	372.0	HB GN	GARNETIFEROUS, DK GRN, FG, GARNETS TO 1/8"	13B
372.0	374.0	HB FLD GNEISS	AS ABOVE	13B
374.0	376.5	QFB GNEISS	ALTERED, FG, LT TO MED GREY, ABNT CALC IN FRACT, MN SULPH	8D
376.5	397.0	HB FLD GNEISS	AS ABOVE	13B
397.0	405.0	HB FLD GNEISS	AS ABOVE BUT WITH VAGUE FRAGMENTAL TEXTURE	13B
405.0	408.0	HB FLD GNEISS	AS ABOVE BUT WITH VAGUE FRAGMENTAL TEXTURE	13B(21)
408.0	413.0	HB FLD GNEISS	AS ABOVE WITH ABNT WISPS OF WHITE MINERAL RES SILL (POSS FLD)	13B
413.0	419.0	HB FLD GNEISS	AS ABOVE	13B
419.0	420.0	HB FLD GN	AS ABOVE WITH 1% SULPHIDES	13B
420.0	429.0	HB FLD GNEISS	AS ABOVE	13B
429.0	431.0	QFB GNEISS/3F	RES QUARTZ DIORITE DYKE	3D
431.0	434.5	HB FLD GNEISS	DK GRN TO BLK, LOC CHL, "SILL"	13B
434.5	435.5	PEGMATITE	FG, PINK, SHEARED, LAUMONTITE	6A
435.5	448.0	HB FLD GNEISS	AS ABOVE	13B
448.0	452.0	QFB GNEISS/3F	RES 3F	8/3F
452.0	462.0	HB FLD GNEISS	AS ABOVE	13B
462.0	464.5	HB GNEISS	AS ABOVE BUT WITH ABNT "SILL" LIKE MINERAL	13
464.5	466.0	HB FLD GNEISS	AS ABOVE	13B
466.0	469.5	QFBH GNEISS	ABNT FLD PHENO, SHEARED CONTACTS	13M

Exploration Data Manager	By GEMCOM SERVICES INC.	***	***	***	NORANDA GECCO
469.5	470.0	HB FLD GNEISS	AS ABOVE	13B	13B
470.0	471.0	QFB GNEISS/3F	AS ABOVE	8E/3F	8E/3F
471.0	475.0	HB FLD GNEISS	AS ABOVE	13B	13B
475.0	476.0	QTZ STRINGER	AS ABOVE	6Z	6Z
476.0	481.0	HB FLD GNEISS	AS ABOVE	13B	13B
481.0	483.5	MASSIVE QTZITE	AS ABOVE	8M	8M
483.5	489.0	HB FLD GNEISS	AS ABOVE, FOL 85 DEG TO C/A	13B	13B
489.0	497.0	FAULT ZONE	SHEARED, ALTERED GRANITE, GREY TO BROWN, ABNT CALCITE	F/5	F/5
497.0	504.0	GRANITE	BADLY SHEARED, PINK, ABNT FLD EYES, WK FOL	5	5
504.0	507.0	GRANITE	PINK,CG,ABNT FLD EYES, WK FOL,LCC PEG,ABNT HEM,LCC MAG	5	5
507.0	508.5	HB FLD GNEISS	REMNANT	13B	13B
508.5	521.0	GRANITE	AS ABOVE	5	5
521.0	532.0	HB FLD GNEISS	REMNANT WITH IRREGULAR CONTACTS	13B	13B
532.0	560.0	GRANITE	AS ABOVE	5	5
560.0	561.0	QFB GNEISS	REMNANT	8R	8R
561.0	572.0	GRANITE	AS ABOVE	5	5
572.0	577.0	GRANITE	SHEARED, VUGGY,ABNT HEM,CALCITE,CLAY	5	5
577.0	605.0	GRANITE	PINK, CG, ABNT FLD EYES,WK FOL, LCC PEG PAHSES	5/6A	5/6A
605.0	606.0	GRANITE	GREY TO RED, FG	5	5
606.0	609.0	GRANITE	PINK, CG, LCC PEG PHASES, WK FOL,ABNT FLD EYES	5/6A	5/6A
609.0	610.0	QFB GNEISS	REMNANT	8R	8R
610.0	628.5	GRANITE	AS ABOVE	5	5
628.5	630.0	QFB GNEISS	REMNANT	8R	8R
630.0	646.0	GRANITE	AS ABOVE	5	5
646.0	647.5	PEGMATITE	WHITE,CG	6A	6A
647.5	653.0	GRANITE	AS ABOVE	5	5
653.0	657.0	GRANITE	FG,SIL,RES MQ,MNR PY,GARNETS	5J	5J
657.0	663.0	GRANITE	PINK, CG, LCC PEG PHASES,WK FOL, ABONT FLD EYES	5/6A	5/6A
663.0	663.5	QFB GNEISS	REMNANT	8R	8R
663.5	664.0	GRANITE	AS ABOVE	5	5
664.0	664.5	QFB GNEISS	REMNANT	8R	8R
664.5	665.5	GRANITE	AS ABOVE	5	5
665.5	669.0	HB FLD GNEISS	A/A	13B	13B
669.0	672.0	GRANITE	AS ABOVE	5	5
672.0	686.0	HB SCHIST	BLK,FG,LCC FLD	13A	13A
686.0	687.5	QFB GNEISS	RES 3F	8/3F	8/3F
687.5	690.0	HB SCHIST	AS ABOVE	13A	13A
690.0	690.5	PEGMATITE	MG,WHITE TO PINK	6A	6A
690.5	691.5	HB SCHIST	AS ABOVE WITH LARGE FELD PHENO	13A	13A
691.5	692.0	PEGMATITE	MG,WHITE TO PINK	6A	6A
692.0	708.0	HB SCHIST	AS ABOVE, FOL 85% TO C/A	13A	13A
708.0	711.5	QFB GNEISS/3F	A/A	8/3F	8/3F
711.5	713.0	HB SCHIST	AS ABOVE	13A	13A
713.0	715.0	QFB GNEISS/3F	INTBD WITH HR SCHIST	8/3F	8/3F
715.0	718.0	PEGMATITE		6A/13A	6A/13A
718.0	719.0	QFB GNEISS/3F		8	8
719.0	721.0	HB SCHIST		13A	13A
721.0	723.0	QFB GNEISS/3F		8	8
723.0	724.5	HB SCHIST		13A	13A
724.5	726.0	PEGMATITE		13A	13A
726.0	735.0	HB FLD GNEISS	AS ABOVE	6A	6A
735.0	739.0	HB SCHIST	FG PINK,SHEARED,LAUM	13B	13B
739.0	739.5	QFB GNEISS/3F		13A	13A
739.5	740.5	HB SCHIST	AS ABOVE	8	8
				13A	13A

Sample ID	Weight (g)	Material	Description	Notes	Count
740.5	741.0	QFB GNEISS/3F	AS ABOVE		8
741.0	742.5	HB SCHIST	GRD TO BQ, CG		13A
742.5	745.5	QFB GNEISS	AS ABOVE		8DH
745.5	747.5	HB SCHIST	A/A		13A
747.5	748.5	QFB GNEISS	AS ABOVE		8
748.5	750.0	HB SCHIST	CG, INTBD WITH OTHER UNITS, ABNT FLD EYES		13A
750.0	752.0	QFB GNEISS/3F	CG, WHITE		8
752.0	754.5	QFB(H) GNEISS	AS ABOVE		13M
754.5	756.0	PEGMATITE	AS ABOVE		6A
756.0	757.5	HB SCHIST	AS ABOVE		13A
757.5	761.5	QFB(H) GNEISS	CG, LARGE CHL KNOTS		8
761.5	766.5	HB BIO GNEISS	WHITE, CG		13C
766.5	767.5	PEGMATITE	SHEARED, ABN LAUM, HEMATITE.		6A
767.5	769.0	HB SCHIST	FOL 80 DEG TO CORE AXIS		13A
769.0	773.0	QFB GNEISS	C GR, ALTERED, ABN FSPR EYES		8
773.0	774.5	HB FSPR GNEISS	RESEMBLES A QTZ DIORITE FELDSPATHIC		13B
774.5	778.5	QFB GNEISS	GRADES TO BIOTITIC QTZITE		8
778.5	779.5	BIO GNEISS	RESEMBLES A QTZ DIORITE FELDSPATHIC		8E/3F
779.5	782.0	QFB GNEISS	RESEMBLES A BIOTITIC QTZITE		8DH
782.0	784.5	QFB GNEISS	RESEMBLES A QTZ DIORITE FELDSPATHIC		8
784.5	785.5	BIO GNEISS	AS ABOVE		8E/3F
785.5	787.0	QFB GNEISS	V CHLORITIC, INT WITH C GR QFB GNEISS		8
787.0	788.5	HB CHL GN	AS ABOVE		13C/8
788.5	790.0	QFB GNEISS	AS ABOVE		8
790.0	790.5	HB GNEISS	FN GR		13A
790.5	791.5	HB FSPR GNEISS	V MINOR GARNET		13B
791.5	793.0	QFB GNEISS	FN GR, D GREEN, GRADES TO HB SCHIST		82J
793.0	793.5	BIO FSPR QTZ (HB) GNEISS	V CHLORITIC, INT WITH C GR QFB GNEISS		8
793.5	794.5	HB GNEISS	SAME AS 793.0-793.5.		13C
794.5	799.0	BIO FSPR QTZ (HB) GNEISS	A/A		82
799.0	800.0	QFB GNEISS	AS ABOVE.		8
800.0	801.0	BIO FSPR QTZ HB GNEISS	CONTAINS MINOR CPY		82
801.0	803.0	QFB GNEISS	RESEMBLES A QTZ DIORITE FELDSPATHIC		6A
803.0	806.0	BIO FSPR QTZ (HB) GNEISS	RESEMBLES A QTZ DIORITE FELDSPATHIC		8/3F
806.0	807.0	PEGMATITE	C GR. V CLC, MAY BE ALTERED AMPHIBOLE		13DC
807.0	809.0	QFB GNEISS	RESEMBLES A DARK QTZ DIORITE FELDSPATHIC		8D/3F
809.0	812.0	CHL SCHIST	V C GR, WHITE TO BUFF, ABN HB KNOTS, MINOR QDF		8
812.0	815.0	QFB GNEISS	C GR, D GREY, WKLY FLD, LOCAL BIO GNEISS, 2" QTZ STR W TR PY, CPY8E		20F
815.0	818.5	BIO FSPR QTZ (HB) GNEISS	FN GR		13M
818.5	840.0	ANORTHOSITE	RESEMBLES A QDF		8
840.0	853.0	QFB GNEISS	V C GR, WHITE TO BUFF, ABN HB KNOTS		13M
853.0	856.5	QTZ FSPR BIO HB GNEISS	FN GR, D GREEN TO BLK		8/3F
856.5	863.0	QFB GNEISS	ABN GARNET SURROUNDING MAG, MINOR CPY		13M
863.0	868.0	QTZ FSPR BIO HB GNEISS			8H
868.0	873.0	QFB GNEISS			20F
873.0	874.0	QFBH GN			13A
874.0	875.0	BIOTITIC QTZITE			6Z
875.0	877.0	ANORTHOSITE			20F
877.0	879.0	HB SCHIST			13A
879.0	880.0	HB CHL SCHIST			13CJ
880.0	883.0	HB CHL SCHIST			6Z
883.0	884.0	QTZ VEIN			20F
884.0	884.0	ANORTHOSITE			13A
884.0	886.0	HB SCHIST			20F
886.0	892.0	ANORTHOSITE			20F

892.0	894.0	QFB GNEISS	RESEMBLES A QDF	8E/3F
894.0	895.0	ANORTHOSITE		20F
895.0	896.0	CHL SCHIST	LAUM, CAL ON CONTACTS	13D
896.0	902.0	QFBH	GRADES TO QFH, FN GR, D GREY	13M
902.0	904.0	QFB GNEISS	RESEMBLES A QDF	8E/3F
904.0	907.0	QFB GNEISS	C GR, LT GREY	8E
907.0	911.0	PEGMATITE		6A
911.0	912.0	QFB GNEISS	RESEMBLES A QDF	8E/3F
912.0	914.0	QFB GNEISS	C GR, LT GREY	8E
914.0	917.0	ANORTHOSITE		20F
917.0	918.0	QFB GNEISS	C GR, LT GREY	8E
918.0	922.0	ANORTHOSITE		20F
922.0	923.0	QFB GNEISS	MD TO C GR, LT GREY, LOCAL HB, MN PY, CPY	8E
923.0	924.0	PEGMATITE		6A
924.0	926.0	HB SCHIST		13A
926.0	931.0	QFB GNEISS	FN GR, D GREEN	8E
931.0	933.0	QFB GNEISS	V FN GR, GRADES TO MASSIVE QTZTE	8E
933.0	937.0	QFB GNEISS	MINOR INT HB SCHIST, FOL 85 DEG TO CORE AXIS	8E/13A

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	25.0	ANORTHOSITE
25.0	53.0	HB, BIO GN
53.0	81.0	ANORTHOSITE
81.0	137.0	QFB
137.0	180.0	HB, CHL SCH + QFB
180.0	197.0	QFB/3F
197.0	216.5	QFB
216.5	323.0	IRON FM, SIL
323.0	431.0	HB, FLD GN FRAG
431.0	489.0	HB, FLD GN SL CHL
489.0	672.0	GRANITE PINK
672.0	750.0	HB SCH
750.0	793.0	QFB(H)
793.0	818.5	BIO, FLD, QTZ, (HB) GN
818.5	840.0	ANORTHOSITE
840.0	875.0	QFB SL GRAN
875.0	922.0	ANORTHOSITE
922.0	937.0	QFB

HOLE-ID: S-322

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
0	240.0	-60.0
200.0	240.0	-59.0
400.0	240.0	-57.0
600.0	240.0	-57.0
800.0	240.0	-57.0
927.0	240.0	-56.0

HOLE-ID: S-322

ASSAY DATA

HOLE-ID: S-322

FROM	TO	CUP%	ZN%	AG opt	AU opt
4.0	5.0	.02	.02	.06	.00
5.0	6.0	.02	.03	.04	.00
14.0	16.0	.09	.01	.14	.00
16.0	18.0	.04	.03	.07	.00
18.0	19.0	.01	.05	.08	.00
216.5	218.0	.04	.05	.08	.00
230.0	233.0	.04	.02	.04	.00
233.0	236.0	.14	.06	.02	.01
236.0	239.0	.08	.13	.06	.00
241.5	245.5	.04	.08	.01	.00
245.5	249.5	.04	.08	.02	.00
249.5	253.5	.04	.04	.01	.00
253.5	258.5	.05	.03	.03	.00
258.5	260.0	.03	.03	.03	.00
260.0	264.0	.03	.07	.06	.00
264.0	268.0	.03	.05	.02	.00
268.0	271.5	.03	.04	.04	.00
271.5	276.5	.03	.06	.07	.00
276.5	281.5	.02	.04	.07	.00
281.5	282.0	.09	.02	.04	.00
282.0	282.5	.05	.02	.10	.00
282.5	285.0	.09	.00	.09	.00
285.0	290.0	.05	.05	.01	.00
290.0	295.0	.08	.00	.01	.00
295.0	300.0	.07	.02	.02	.00
300.0	305.0	.03	.01	.03	.00
305.0	310.0	.06	.04	.04	.00
310.0	315.0	.11	.05	.05	.00
315.0	320.0	.07	.04	.07	.00
320.0	323.0	.12	.04	.05	.00
323.0	328.0	.06	.04	.01	.00
328.0	330.5	.05	.05	.07	.00
330.5	333.5	.05	.03	.05	.00
524.5	525.5	.05	.05	.11	.00
748.5	748.5	.08	.09	.11	.00
806.0	807.0	.05	.00	.03	.00
879.0	880.0	.05	.11	.05	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

HOLE-ID: S-323 START DATE: 01/04/87 COMPLETED: 04/04/87 LOGGED BY: BARKER
 CORE SIZE: 50 EASTING: 2273.3 NORTHING: 2545.3 ELEVATION: 1035.9
 HOLE LENGTH: 97.0 AREA: 86-1 PURPOSE: INVESTIGATE MAG ANOMALY

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
0	5.0	CASING		0
5.0	23.0	QFB AND HBL GN	POSS FRAGS, MOTTLED, D GREY TO BLK, FN GR, LCLY WITH FSPR EYES.	24E/21E
23.0	23.5	QTZ BIO GNEISS	RES GECO '80', DIRTY GREY, 10-25% PO, PY, (OPY), GRADES TO 1E.	24E/20A
23.5	24.5	HB FSPR GNEISS	C GR, D GREEN, PROB A DIKE.	19E
24.5	24.0	QTZ BIO GNEISS	AS ABOVE, 3" ZONE OF NM GAR & MAG AT 28.0.	24E/C
24.0	36.0	HB BIO SCHIST	FN GR, D GREEN TO BLK.	13A
36.0	37.5	INT HB BIO SCH.		19/37/24
37.5	47.0	QTZ BIO GNEISS	LOCAL SMALL FOLDS, FOL 85 DEG TO C/A.	9E
47.0	56.0	QDF	RES QFB, V C GR, ABN ALTERED EPI SHEARS.	3E
56.0	58.5	HB FSPR GNEISS	C CR, D GREEN TO BLK, ABN 'SILICO' EYES.	19E
58.5	62.0	QFB GNEISS		19E
62.0	64.0	HB FSPR GN		19E
64.0	67.0	QFB GNEISS		19E
67.0	71.0	HB FSPR GN		19E
71.0	82.5	QFB GNEISS		19E
82.5	92.0	FRAGMENTAL	INT HB BIO GNEISS & QFB GNEISS.	21E
92.0	97.0	FRAGMENTAL	GRADES TO IRON FM, 15-20% PO, PY, (OPY), MAG.	21B/10
97.0	102.5	HBL SCHIST	D GREEN, FRACTURED, LOCAL QFB FILLED SHEARS.	19A
102.5	107.5	QDF		3E
107.5	111.0	FRAGMENTAL		3E
111.0	130.0	HB FSPR SCHIST	MOTTLED, D GREY TO BLK, MN PEG, QFB, LOCAL INT HB CHL SCHIST	19B/C
130.0	131.5	HB FSPR GNEISS	NO GR, D GREEN, POORLY FLD, LOCAL CHL, MAY BE A GABBRG.	19E/20
131.5	132.0	QDF		3E
132.0	132.5	HB FSPR GN		19E
132.5	133.0	INT HB FSPR GNEISS & QFB	D-35 QPY, PY.	19E/8E
133.0	135.0	INT HB FSPR GNEISS & QFB		19E/8E
135.0	136.0	QTZ FSPR HB BIO GNEISS	CONTAINS FSPR EYES.	19V
136.0	142.0	HB FSPR GN		19E
142.0	143.0	INT HB FSPR GN & QFB		19E/9E
143.0	145.0	QFB GNEISS		9E
145.0	150.0	HB FSPR GNEISS		19E
150.0	151.0	HB FSPR GN	V CHLTC, 15% PO, PY, POSS QPY.	19E
151.0	151.5	HB FSPR GNEISS		19E
151.5	157.0	HB FSPR GN	CHLTC, POORLY FLD, RES A POORLY DEV GABBRG	19E
157.0	177.0	HB FSPR GNEISS	FOL 85 DEG TO C/A.	19E/20
177.0	178.0	HB FSPR GNEISS	MAY BE A MAFIC DIKE OF SORTS.	3E
178.0	180.0	QTZ BIO HB GNEISS		19E
180.0	180.5	HB FSPR GN		19E
180.5	190.5	QFB GNEISS	FA GR, NO GREY, MN GAR, LCLY 2-3% 315% PC, PY, QPY, MN INT HB SCHIST/19A	19E

192.5	207.0	HB SCHIST	FN GR, D GREEN, WKLY BANDED, MN PY, SL ALTERED, POSS SERC.	13A
207.0	208.0	HB SCHIST	BLEACHED, SL SERC, MN BLEBS PO, PY, POSS CPY.	13A
208.0	228.5	HB SCHIST	FN GR, D GREEN.	13A
228.5	229.5	HB SCHIST	VD TO C GR, SCHISTOSE, SL SERC.	13A
229.5	242.0	HB SCHIST	FN GR, D GREEN.	13A
242.0	243.0	HB SCHIST	ALTERED, SERC, AS ABOVE.	13A
243.0	278.0	IRON PY		13A
278.0	279.5	MAFIC DIKE		13A
279.5	281.0	HB FSPR GNEISS	SILICEOUS, F WAGG, WELL BANDED, UP TO 10% PO, PY.	13A
281.0	286.0	HB FSPR GNEISS	V FN GR, MASSIVE, HONCO, WB RICH, CCC PO STR.	13B
286.0	288.0	FSPR PORPHYRY	MAGNETIC, 5-10% PO, PY LAMINAE	13B
288.0	294.0	HB FSPR GNEISS	RES A QDF, CCC PO STR	13B
294.0	295.5	MASSIVE PO VEIN	3-5% PO, PY, OCCASIONAL SMALL PORPHYRY DIKE.	13B
295.5	297.5	HB FSPR GN,	UP TO 1" WIDE, RUNNING TO DEG TO C/A, ABN QZ ASSOC, MN CPY.	13B
297.5	299.0	FSPR PORPHYRY	WKLY WAGG, CCC QZ STR, MN BLEBS OF PO.	13B
299.0	306.0	HB FSPR GNEISS	RES QDF	13B
306.0	306.5	QZ VEIN	VD GR, D GREEN, WKLY BANDED, CCC PO, PY, CPY STR.	6Z/NN
306.5	319.0	HB FSPR GNEISS	NM PO, MN CPY, POSS COCD ALT TO PINNITE.	13B
319.0	320.0	HB FSPR GNEISS		13B
320.0	353.0	HB FSPR GNEISS	BLEACHED, ALTERED, CAL, EPI VEINS, POSS FLUORITE, CCC BLEBS CPY.	13B
353.0	367.0	HB SCHIST		13A
367.0	391.5	BIO HB FSPR GN	V FN GR, D GREEN, MASSIVE, BANDED, CCC QZ STR WITH PO, PY, CPY.	13A
391.5	396.0	BIO QZ FSPR HB SCHIST	CCC PEGMATITE VEINS.	13
396.0	398.5	BIO SCHIST	FN GR, MOTTLED, (POSS FRAG), FN SULPH, MN QZ STRINGERS.	13/2
398.5	406.5	BIO QZ FSPR HB SCHIST	SERICITIC, POORLY DEV, BARREN.	2S
406.5	407.0	PEGMATITE	CCC SMALL QDF.	87/132
407.0	420.5	BIO QZ FSPR HB SCHIST		8A
420.5	422.0	HB FSPR GNEISS	LOCAL PEG, FOL 85 DEG TO C/A.	13
422.0	423.0	PEGMATITE	VD GR, D GREEN.	97/132
423.0	432.0	BIO QZ FSPR HB SCHIST	ABN QZ STR.	5A
432.0	437.0	CHL SER HB SCHIST	AS BEFORE, 3-5% PO, TB CPY, MN QZ STR.	9A/132
437.0	440.0	BIO HB CHL FSPR SCH	POSS SILLIMANITE PRESENT.	13CK
440.0	446.0	BIO HB QZ SCH		9C/132
446.0	447.0	BIO HBL QZ SCH	APPEARS FRAGMENTAL, LOCAL PEG	9A/212
447.0	448.0	PEG	AS ABOVE, 3% PY, SL SERC.	9A
448.0	452.0	BIO HB QZ SCH	C GR, WHITE.	5C
452.0	464.0	HB BIO GN	LOCALLY SHEARED WITH EPI & CHL.	2S
464.0	471.0	QDF	C GR.	12E
471.0	474.0	BIO HB QZ SCHIST	ABN EPI STR, LOCAL X-CUTTING QZ STR WITH MN PY, TB CPY.	3E
474.0	476.0	BIO HB QZ SCHIST	CONTAINS LARGE FSPR PHENOCRYSTS, REPLACED BY CHL.	9A
476.0	477.0	QDF		9A
477.0	501.0	BIO HB FSPR GNEISS		3E
501.0	505.0	BIO HB QZ SCH	CONTAINS ALTERED PLAG EYES.	9A
505.0	507.0	BIO HB FSPR GNEISS		3E
507.0	508.5	HB SCHIST	D GREEN, FN GR	9A
508.5	513.0	BIO HB QZ SCHIST		3E
513.0	522.0	BIO HB FSPR GN	ALT PLAG EYES UP TO 1/2", MOTTLED APPEARANCE, ABN PEG STR.	9A
522.0	523.0	FAULT ZONE	ABN LAM, CAL, FEW FINGERPRINTS.	3E
523.0	524.0	PEGMATITE		5A
524.0	527.0	HB BIO SCHIST		13A
527.0	529.5	PEG	FAULTED.	13A
529.5	533.5	HB BIO SCH	FAULTED.	13A
533.5	537.0	PEG	V BADLY FAULTED, BIFARED.	13A
537.0	538.0	HB BIO SCH	FN GR, ABTATION.	5E
			FAULTED.	13A

538.0	542.0	FAULT ZONE	V BADLY SHEARED, LARGE CAL KNOTS, ABN HFW, EPI.	13A
542.0	548.0	HB BIO SCHIST	FAULTED.	5
548.0	549.0	GRANITE	FAULTED.	13A
549.0	552.0	HB BIO SCHIST	WKLY SHEARED, LOCAL GRANITE	135/5A
550.0	587.0	QFB FSPR (BIO) GN	LOLY CHL, TR TO MN SULPH, ALT PACE GREEN BANDS, OCC PEGMATITE.	5A
587.0	590.0	PEG	SHEARED, ABN LAUM, CALC.	138
590.0	593.5	HB FSPR BIO GNEISS	BLEACHED TO A GREY/GREEN MOTTLED GNEISS.	5A
593.5	595.0	PEGMATITE & GRANITE	REDDISH, KSPAR ENRICHED WITH CAL.	139
595.0	600.0	HB BIO FSPR GN	LOCAL SMALL PEG.	139
600.0	601.5	HB BIO FSPR GNEISS	V C GR, ALT.	138/5AW
601.5	605.0	HB BIO FSPR GNEISS	OCC SMALL PEGMATITE WITH MN MAG.	134/21
605.0	608.5	HB BIO QZ FSPR SCHIST	FN GR, MOTTLED, POSS FRAGM, TR SULPH	325J
608.5	609.5	QFB GNEISS	MINOR GARNET.	137
609.5	620.0	HB BIO FSPR SCH	SL SERC, X-OUTS COUNTRY ROCKS.	8E
620.0	621.0	QFB GNEISS		137
621.0	623.0	HB BIO QZ FSPR SCHIST		13AB
623.0	624.5	HB GNEISS	INT PEG, ABN LAUM.	13B
624.5	631.0	HB (BIO) FSPR SCHIST	D GREEN TO BLK, SL MOTTLED, ABN QTZ STR, TR SULPH.	13A
631.0	635.0	HB (BIO) GN	AS ABOVE, BUT BLEACHED.	13B
635.0	639.0	HB (BIO) FSPR SCHIST	SMALL QPY STR AT 637.5	5/3F
639.0	644.0	PEGMATITE	GRADES TO QDF, LOCAL INT HB SCHIST.	13B/5
644.0	647.0	HB FSPR GNEISS	V C GR, LOCAL PEGMATITE	139/21
647.0	658.0	HB (BIO) FSPR SCHIST	D GREEN TO BLK, MOTTLED, POSS FRAGS, LOCAL CHL, MN SULPH.	5
658.0	669.0	PEGMATITE		13B
669.0	675.5	HB (BIO) FSPR SCHIST	2' ZONE WITH 10% PO, PY.	6
675.5	676.5	PEGMATITE		13B
676.5	681.5	HB (BIO) FSPR SCHIST	FN GR, GARNETIFEROUS, GRADES TO SQ, SERC AT CONS.	9EH
681.5	683.5	QFB GNEISS		137/82
683.5	686.0	INT HB CHL SCHIST & QFB		13C
686.0	687.0	HB CHL FSPR SCHIST	MD GR, WITH CLOTS OF MASSIVE HB & CHL.	13A
687.0	689.0	HB GNEISS	V C GR, WEIRD SER.	13C
689.0	690.0	HB CHL FSPR SCHIST		13C
690.0	690.5	HB GAR GNEISS	VERY CLC	5/5W
690.5	691.0	PEGMATITE	GRADES TO FLD GRANITE	13C
691.0	692.0	HB CHL FSPR SCHIST		13E
692.0	694.0	HB FSPR GNEISS	V C GR.	13C
694.0	696.5	HB CHL FSPR SCHIST	GARNETIFEROUS	13BU
696.5	697.5	HB FSPR GNEISS		13C
697.5	699.0	HB CHL FSPR SCHIST	MD TO C GR, WHITE.	5C
699.0	700.0	PEGMATITE	V C GR, 75-80% MAG, LOLY MASSIVE, 3-5% PO, PY, QPY STR.	13C
700.0	703.0	HB CHL SCHIST		13C
703.0	704.0	HB CHL FSPR SCHIST	MD TO C GR, WHITE.	5C
704.0	709.0	PEGMATITE	SHEARED, ALT, OCC FSPR EYES TO EPI, ABN QTZ & PY FRACTURES.	13C
709.0	711.0	HB CHL (SER) SCHIST	BADLY BROKEN	57
711.0	712.5	CHL SUEAR	GARNETIFEROUS.	8U
712.5	713.5	QFB		13CK
713.5	714.5	HB CHL SER SCHIST		2CF
714.5	716.5	ANORTHCITE	D GREEN, C GR, HB CHL FSPR GNEISS ABN CHL ALTERATION.	13M
716.5	718.0	QZ FSPR BIO HB GNEISS	FN GR, RES QPY, RARE QPY BLOCKS.	6/5U
718.0	719.0	PEGMATITE	GRADES TO GRANITE, RARE GARNET.	2CF
719.0	723.5	ANORTHCITE	AS ABOVE WITH SERC STR.	8E
723.5	725.0	QFB GNEISS	FN GR, D GREY, V MN GAR, LOCAL PEGMATITE.	13F
725.0	727.5	ANORTHCITE		13F
727.5	729.5	QFB GNEISS	GARNETIFEROUS, FN GR, ABN EPI ALTERATION.	13F

8/12/87

FROM	TO	MAJOR UNIT	DESCRIPTION	UNIT
725.5	730.0	PEGMATITE	RESEMBLES A QDD.	B
730.0	732.0	QFB GNEISS	V C GR, LARGE HB XTALS, MN SMALL XTALS OF MOLY, PR PY.	80/80
732.0	733.5	ANORTHOSITE	FN GR, D GREY, RES A QDD.	20F
733.5	739.0	QFB GNEISS	3% PY, VUGGY.	87
739.0	739.5	CHL SHEAR	AS ABOVE.	87
739.5	740.5	QDD	FN GR	80
740.5	741.5	HB BIO SCHIST		13A
741.5	743.0	ANORTHOSITE	FN CR.	20F
743.0	743.5	QFB GNEISS		80
743.5	744.5	ANORTHOSITE		20F
744.5	745.0	ANORTHOSITE	ABN QTZ STR, 1-3% MOLY, MOLY XTALS UP TO 1/3"	20F
745.0	745.0	ANORTHOSITE		20F
745.0	747.0	QFB GNEISS	C GR.	8E
747.0	748.0	HB BIO FSPR GNEISS.		13B
748.0	753.0	QFB GNEISS	C GR, POORLY FLD, LT GREY, ABN FSPR EVES, LOCAL PEG, ANORTHOSITE 8E/8/20	80
753.0	754.0	PEG	MD TO C GR, WHITE.	80
754.0	759.0	QFB GNEISS	NOT FLD, GRADES TO PEG.	8
759.0	760.0	QFB GNEISS		8E/5
760.0	762.0	QFB GNEISS		8
762.0	763.0	QFB GNEISS	FN GR, RES QDD.	80
763.0	775.0	QFB GNEISS	MN ANORTHOSITE, LCLY RES A QDD.	80/20
775.0	777.0	HB BIO FSPR QTZ GNEISS		8
777.0	787.0	QFB GNEISS	V C GR, PINK.	8A
787.0	787.5	PEG	V FN GR, RES A BQ.	80H
787.5	789.0	QFB GNEISS		8
789.0	797.0	QFB GNEISS.		

MAJOR UNIT

FROM	TO	MAJOR UNIT
23.0	23.0	INT QFB & HB GNEISS
23.0	47.0	QTZ BIO GNEISS
47.0	82.5	QFB GNEISS
82.5	111.0	FRAGMENTAL
111.0	130.0	HB FSPR SCHIST
130.0	180.5	HB FSPR GNEISS
180.5	192.5	QFB GNEISS
192.5	275.0	HB SCHIST
275.0	299.0	IRON FORMATION
299.0	391.5	HB FSPR GNEISS
391.5	400.0	BIO QTZ FSPR HB SCHIST
400.0	513.0	BIO HB QTZ SCHIST
513.0	522.0	BIO HB FSPR GNEISS
522.0	558.0	FAULT ZONE
558.0	560.0	HB FSPR (BIO) SCHIST
560.0	565.0	HB BIO FSPR GNEISS
565.0	524.5	HB BIO QTZ FSPR SCHIST
524.5	529.0	HB (BIO) FSPR SCHIST
529.0	530.0	HB CHL FSPR SCHIST
530.0	534.0	FB QFB (SER) SCHIST
534.0	540.0	ANORTHOSITE
540.0	550.0	QFB GNEISS

HOLE-111 S-323

SURVEY DATA

HOLE-ID: S-322

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-60.0
400.0	240.0	-58.0
500.0	240.0	-59.0
797.0	240.0	-57.0

ASSAY DATA

HOLE-ID: S-322

FROM	TO	CUR	ZNS	AG opt	AU opt
22.0	22.5	.15	.14	.16	.06
22.5	24.0	.05	.04	.09	.00
24.0	29.0	.03	.05	.08	.00
29.0	34.0	.05	.03	.07	.00
34.0	36.0	.02	.06	.07	.00
36.0	39.0	.03	.04	.07	.00
39.0	41.0	.06	.07	.09	.00
41.0	45.0	.07	.04	.12	.00
45.0	97.0	.04	.05	.10	.00
97.0	102.0	.06	.06	.09	.00
102.0	133.5	.04	.07	.07	.00
133.5	151.0	.03	.08	.04	.00
151.0	185.5	.05	.06	.04	.00
185.5	192.5	.04	.07	.00	.00
192.5	275.5	.05	.10	.06	.00
275.5	281.0	.06	.12	.10	.00
281.0	286.0	.05	.04	.08	.00
286.0	288.0	.08	.09	.05	.00
288.0	291.0	.07	.05	.05	.00
291.0	294.0	.05	.11	.02	.00
294.0	295.5	.08	.08	.09	.00
295.5	297.5	.05	.06	.07	.00
297.5	299.0	.05	.10	.09	.00
299.0	305.5	.08	.04	.05	.00
305.5	319.0	.07	.10	.04	.00
319.0	320.0	.08	.06	.05	.00
320.0	325.0	.04	.10	.04	.00
325.0	359.0	.02	.09	.09	.00
359.0	359.5	.04	.08	.07	.00
359.5	360.5	.04	.06	.06	.00
360.5	393.5	.05	.09	.04	.00
393.5	435.0	.03	.10	.03	.00
435.0	471.0	.03	.10	.04	.00
471.0	704.0	.04	.07	.06	.00
704.0	708.0	.04	.07	.06	.00
708.0	711.0	.08	.09	.05	.00
711.0	714.5	.06	.09	.05	.00

732.0	733.5	05	01	05	00
739.0	739.5	05	02	04	00
744.0	745.0	04	01	04	00

8/12/87

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

ASB

HOLE-ID: S-324 START DATE: 05/04/87 COMPLETED: 11/04/87 LOGGED BY: BAKKER
 CORE SIZE: BQ EASTING: 2581.4 NORTHING: 3280.0 ELEVATION: 1026.2
 HOLE LENGTH: 967.0 AREA: 86-1 PURPOSE: INVESTIGATE MAG ANOMALY

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
3.0	3.0	CASING		C
3.0	29.5	FRAGMENTAL	INT LT GREY QFB & QFHB, ABN FSPR EYES, TR TO MN SULPH.	21A
29.5	30.0	QDF		3F
30.0	58.0	FRAGMENTAL	AS ABOVE.	21A
58.0	62.0	QFB	C GR, RES Q QDF, SHEARED WITH EPI, LT GREY.	8E
62.0	69.0	QFB (HB)	FSPR EYES, ABN HB CHL STR, MN SMALL PY STR.	8
69.0	71.0	FRAGMENTAL		21
71.0	71.5	HB BIO SCH		13A
71.5	76.5	QFB	D GREY, DIRTY, ABN FSPR EYES, NOT FLD, RES QDF.	8E
76.5	81.0	QFB		8
81.0	81.5	QFB	SHEARED, D GREY.	8
81.5	83.0	FRAGMENTAL		21
83.0	84.0	QFB		8
84.0	105.5	QFB	D GREY, MINOR HB.	8
105.5	107.0	QFB		8
107.0	108.5	QFHB	HB STR, SL SERC.	8
108.5	109.0	QFB	WITH FSPR EYES.	13M
109.0	110.0	QFB		8
110.0	110.5	QFB	HB STR, SL SERC.	8
110.5	111.0	QFB		8
111.0	127.0	QFB	HB STR, SL SERC.	8
127.0	134.0	QFHB		8
134.0	140.0	QFB	RES A QDP.	13M/3P
140.0	172.5	QFB	SIMILAR TO PREVIOUS, MORE FSPR EYES, CCC QDD, LOCAL HB STR.	8E
172.5	180.0	IRON FM	SIL, HB, BIO, MN FSPR, 5-8% PO, PY, LOCAL NM MAG.	10A
180.0	192.0	QFB	MN HB, V DARK, ABN FSPR EYES, RES A QDF, LOCAL INT QFHB.	8E
192.0	196.0	QFH(H5)	LT GREY, FN GR, RES FN GR QFB, MN MAG.	13/8
196.0	202.5	HB BIO FSPR SCHIST	FN GR, D GREEN TO BLK, BARREN TO MN SULPH.	13B
202.5	204.0	QF9	C GR, WITH FSPR EYES, RES QDF.	8E
204.0	213.0	HB BIO FSPR SCHIST		13B
213.0	215.0	QFB	C GR, FSPR EYES, RES QDF.	8E
215.0	217.0	HB BIO FSPR SCHIST		13B
217.0	218.0	QFB	FN GR, LT GREY, MN HB STR, 1/2" PO, PY STR AT 218.07.	8E
218.0	219.0	HB BIO FSPR SCHIST	AS ABOVE, POSS SILLM, 3-5% PO, PY, CPY.	13B
219.0	220.0	QFB	C GR, V SMALL CPY STR.	8E
220.0	225.0	HB BIO FSPR SCHIST	D GRE TO BLK, SILLC KNOTS.	13B
225.0	234.0	QFB	FN GR, D GREY, SL RES QDF, QBN EPI FILLED SHEARS, CCC FSPR EYES.	8E
234.0	247.0	QFB	D GREY, ABN FSPR EYES, RES QDF, EPI FILLED SHEARS, TR SULPH.	8E

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247.0	248.0	QFB	AS ABOVE, SL BLEACHED.		8E	
248.0	254.5	QF9	AS ABOVE.		8E	
254.5	258.0	QFB	AS ABOVE, 1-3% PO, PY, (CPY), LCLY 3-5%, MN PY STR WITH MOLY.		8E	
258.0	253.0	QF9	D GREY, 1% PO, PY, MOSTLY IN SMALL STR.		8E	
263.0	271.0	QFB(H)	BL, LT GREY LCLY D GREY, V WK FLO, MASSIVE, RES AN ALT QDC.		8	
271.0	273.0	FAULT/SHEAR ZONE	1-3% SULPHIDES.		F/SZ	
273.0	304.0	QFB(H)	AS ABOVE.		8	
304.0	306.0	QFB(H)	AS ABOVE, SL MORE BL, MINOR SER.		8	
306.0	313.0	QFB(H)			8	
313.0	314.5	IRON FM	SIL, V MAGC, CHL, HR, WELL BANDED 80 DEG, LOCAL PO, PY, (CPY).		10A	
314.5	316.5	QFB	C GR, RES QDF.		8E	
316.5	319.0	HB CHL SCHIST			13C	
319.0	320.0	QFB	RES QDF.		8E	
320.0	322.0	HB CHL SCH.			13C	
322.0	331.0	IRON FM	AS ABOVE.		10A	
331.0	332.0	IRON FM	AS ABOVE, WITH 15% PO.		10A	
332.0	335.0	IRON FM			10A	
335.0	339.5	QFB	RES QDF.		8E	
339.5	340.0	IRON FM			10A	
340.0	343.0	HB CHL SCHIST			13C	
343.0	345.0	IRON FM	CONTORTED FOL.		10A	
345.0	347.0	IRON FM			10A	
347.0	349.0	IRON FM			10A	
349.0	350.5	HB CHL SCHIST			13C	
350.5	353.0	IRON FM			10A	
353.0	355.0	IRON FM	CONTORTED.		10A	
355.0	357.0	IRON FM	AS ABOVE, 15-20% PO, (CPY).		10A	
357.0	359.5	IRON FM			10A	
359.5	360.5	INT IRON FM & HB SCHIST	10% PO, SMALL PO, CPY STR.		10A/13A	
360.5	361.5	IRON FM			10A	
361.5	363.0	HB CHL SCHIST & BIO SCHIST			13C	
363.0	364.0	IRON FM	AS ABOVE WITH 5-8% PY, PO, CPY.		13A	
364.0	368.0	IRON FM			13A	
368.0	370.0	BIO HB SCHIST			8S	
370.0	379.0	IRON FM	NUM INT HB SCHIST BANDS.		10A/13A	
379.0	387.0	IRON FM	CONTORTED FOL.		13A	
387.0	408.5	IRON FM			13A	
408.5	409.0	BIO HB SCHIST			8S	
409.0	412.0	IRON FM			10A	
412.0	417.0	HB CHL BIO FSPR QTZ SCHIST	D GREEN TO BLK, FN GR, SMALL 'SILLC' WISPS.		13C	
417.0	422.0	QFHB	D GREY, FN GR.		8	
422.0	425.0	HB CHL BIO FSPR QTZ SCHIST	AS ABOVE.		13C	
425.0	427.5	QFB	FN GR, LT GREY.		8D	
427.5	452.0	HB CHL BIO FSPR QTZ SCHIST	MN PEG, LCLY SHEARED WITH MOLY, FOL 85 DEG TO C/A.		13C	
452.0	464.0	HB BIO FSPR GNEISS	MN FSPR EYES, MD GR, D GREY TO BLK.		13B	
464.0	470.5	IRON FM	SIL, ABN HB CHL STR, 20-25% MAG, PO.		10A	
470.5	471.0	IRON FM	AS ABOVE, 25% PO, IR CPY.		10A	
471.0	472.5	HB BIO QTZITE	IRON FM WITHOUT THE SULPHIDES OR MAG.		8H	
472.5	492.0	HB BIO FSPR SCHIST	SL SERC, FN GR, D GREEN, 1-3% PY, PO, (CPY), POSS ULMENITE.		13B	
492.0	501.0	HB CHL FSPR SCHIST	MD GR, ABN 'SILLC' WISPS, MD TO D GREEN.		13C	
501.0	503.0	HB BIO FSPR SCHIST			13B	
503.0	504.0	PEGMATITE			8C	
504.0	512.0	HB BIO FSPR SCHIST	MD TO C GR, WHITE.		13B	
512.0	517.0	HB CHL SCHIST	SAME AS 492-501.		13C	

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517.0	522.0	522.0	HB BIO FSPR SCHIST.	13B
522.0	532.0	532.0	HB CHL SCHIST	13C
532.0	537.0	537.0	QFB, RES QDF.	8E
537.0	554.0	554.0	HB CHL SCHIST	13C
554.0	555.0	555.0	HB CHL SCHIST	13A
555.0	555.5	555.5	HB SCHIST	3F
555.5	556.0	556.0	QDF	8E
556.0	557.5	557.5	QFB	6C
557.5	561.5	561.5	PEGMATITE	13C
561.5	562.0	562.0	HB CHL SCHIST	13M
562.0	566.0	566.0	QFHB	13C
566.0	578.0	578.0	HB CHL SCHIST	13M/212
578.0	603.0	603.0	QFHB	6C
603.0	604.0	604.0	PEGMATITE	13M
604.0	622.0	622.0	QFHB	13MC
622.0	623.0	623.0	QFHB	13M/21
623.0	627.0	627.0	QFHB	8M/6A
627.0	634.0	634.0	QUARTZITE MASSIVE QUARTZITE	13A
634.0	639.0	639.0	HB GN	8M
639.0	642.0	642.0	QUARTZITE	13B
642.0	644.0	644.0	HB FSPR GNEISS	13B
644.0	645.0	645.0	QFB	8
645.0	649.0	649.0	HB FSPR GNEISS	13B
649.0	652.0	652.0	FSPR HB CHL GNEISS	13C
652.0	653.0	653.0	HB FSPR GNEISS	13B
653.0	654.0	654.0	GRANITE	5
654.0	655.0	655.0	HB FSPR GNEISS	13B
655.0	657.0	657.0	PEG	6
657.0	658.0	658.0	HB FSPR GNEISS	13B
658.0	659.0	659.0	PEG	6
659.0	662.0	662.0	HB FSPR GNEISS	13B
662.0	663.5	663.5	QDF	3F
663.5	667.0	667.0	HB FSPR GNEISS	13B
667.0	667.5	667.5	QUARTZITE	8M
667.5	669.0	669.0	QDF	3F
669.0	677.0	677.0	HB FSPR GNEISS	13B
677.0	680.0	680.0	INT HB FSPR GN & MASS QTZITE	13B/8M
680.0	683.0	683.0	HB FSPR GNEISS	13B
683.0	685.5	685.5	QFB	8
685.5	687.5	687.5	HB FSPR GNEISS	13B
687.5	693.5	693.5	HB CHL SCHIST	13C
693.5	698.0	698.0	HB FSPR GNEISS	13B
698.0	699.0	699.0	QUARTZITE	9M
699.0	704.5	704.5	HB FSPR GNEISS	13B
704.5	707.0	707.0	QFB(H)	8
707.0	708.0	708.0	QDF	3F
708.0	709.5	709.5	HB FSPR GNEISS	13B
709.5	710.5	710.5	HB FSPR GNEISS	13B
710.5	712.0	712.0	HB FSPR GNEISS	13B
712.0	716.0	716.0	PEGMATITE	6A
716.0	719.5	719.5	HB FSPR GNEISS	13B
719.5	721.0	721.0	PEGMATITE	6C
721.0	722.0	722.0	QFB	9D
722.0	726.0	726.0	HB FSPR BIO GNEISS	13B

FN GR, ALT, LCLY MOTTLED, BL APPEARANCE.
 FN GR, ALT, MOTTLED, LCLY FRAGMENTAL?, BL, 1-3%, LCLY 3-5% SULPH. 13C
 3-5% PO, PY, MN CPY.
 10-15% PO, PY, MN CPY, ONE FLAKE MOLY.
 RES QDF.
 C GR, WHITE.
 SL SERC, WKLY MINERALIZED.
 FRAGMENTAL?, HB CHL STR, D GRE TO D GREY, FN GR, OCC PEG STR.
 C GR, WHITE.
 AS ABOVE.
 CONTAINS 50% HB CHL STR.
 V FRAGMENTAL.
 BANDED TO MASSIVE, MN GARNET, LOCAL PEGMATITE.
 BLK, C GR, 'SILLC' WISPS.
 AS ABOVE.
 V C GR, FSPR UP TO 1/4", 'SILLC' WISPS, (PSBLY FSPR).
 LT GREY.
 V C GR, FOL IS CONTORTED, DISRUPTED, MINOR SULPHIDES.
 SL RES A MASSIVE QUARTZITE.
 POSS MASS QTZITE.
 POSS MASS QTZITE.
 C GR, V CONTORTED, 5-10% PO, PY, MN CPY.
 MASSIVE, AS ABOVE.
 SHEARED ABN LAUM, CAL, FOL 85 DEG TO C/A.
 C GR, D GREEN, POSS ACTINOLITE, MAY BE A SHEARED GABBRO.
 MASSIVE.
 DISCORDANT CONTACTS.
 C GR, WITH EPI & PY STR.
 V C GR, PINK.
 V C GR, WHITE.
 FN GR.
 C GR, D GREEN TO BLK, FSPR REFNS.

726.0	HB FSPR GNEISS	C GR, MASSIVE.	13B
732.0	HB FSPR GNEISS		13B
738.0	QFHB	FN GR, GREY.	9
740.0	HB FSPR GNEISS		13B
747.5	QUARTZITE		8M
748.0	HB FSPR GNEISS	MASSIVE, POSS APLITE.	13B
750.5	HB FSPR GNEISS	FN GR, WITH LARGE FSPR PHENOS, RES A HEMLO FSPR PORPHYRY.	13B
755.0	HB FSPR GNEISS	AS ABOVE, WITH INT PEGMATITE.	13B/6A
759.5	PEGMATITE	V C GR, PINK, MN MAG.	5A
759.5	HB FSPR GNEISS		13B
765.5	PEGMATITE		5A/3F
767.5	HB FSPR GNEISS	MD GR, LOCAL QDF.	13B
771.0	PEGMATITE	CCC BIO/SER STR, LOCAL CHL'C SHEARS.	5A
776.0	HB FSPR SCHIST	V C GR, PINK.	13B
780.0	ANORTHOSITE?	LOCAL FRAGMENTS, LCLY CHL'C.	20F
781.5	HB FSPR SCHIST		9B
782.5	QUARTZITE?		8H
783.5	HBL FSPR SCH	WELL BANDED.	13C
796.0	ANORTHOSITE	WHITE, POSS ILMENITE WITH ALTERATION HALOS.	20F
797.0	HB FSPR SCHIST		13B
799.5	ANORTHOSITE	WHITE.	20F
800.5	HB FSPR SCHIST		13B
801.5	ANORTHOSITE		20F
804.5	HB FSPR SCHIST		13B
810.0	HB CHL SCHIST	ALT, 30-50% MAG, 3-5% PY.	13C
812.0	HB FSPR SCHIST		13B
814.0	GABBRO	MD GR, GREEN, MASSIVE TEX.	20B
817.0	ANORTH/GABBRO	3-5% PY, (CPY).	20F/20A
818.0	HB FSPR SCHIST		13B
819.5	ANORTHOSITE	V C GR, LARGE FSPR PHENOS, TR GAR, OCC HB CHL SHEARS, MN PEG.	20F
849.0	ANORTHOSITE	MD GR, MOTTLED, FSPR XTALS IN A HB CHL GROUND MASS.	20F
857.0	QFB	FN GR.	8D
858.0	ANORTHOSITE	AS ABOVE.	20F
862.5	QFB	FN GR.	8D
863.0	ANORTHOSITE		20F
865.5	QFB	LCLY RES A QTZITE, FN GR.	8D
868.5	ANORTHOSITE		20F
875.0	QFB	SL RES A DARK QDF.	8D
876.5	ANORTHOSITE	V C GR, WHITE TO BUFF, ABN QTZ STR, LOCAL INT QFB.	20F
899.0	QFB	AS ABOVE.	8D
904.5	PEGMATITE	V C GR, PINK.	5A
905.5	QFB		8D
907.0	ANORTHOSITE	BUFF, C GR.	20F
908.0	QFB	AS ABOVE.	8D
926.0	QFHS	RES A HEMLO FSPR PORPHYRY.	13M
927.0	QFB		8D
932.0	QFB	RES A QDP.	9E
933.5	ANORTHOSITE	SHEARED WITH PEGMATITE STR.	20F
935.5	QFB	FOL 25 DEG TO C/A.	8D
940.5	SHEAR ZONE	H CONTORTED CHL SCHIST, WITH QFB FRAGMENTS.	SZ
943.0	QFB		9D
944.0	ANORTHOSITE	SEVERAL LARGE PY XTALS.	20F
948.0	QFB	RES QDF.	9E
957.0	ANORTHOSITE		20F
959.0	QFB	FN GR, LOCAL INT HB GNEISS.	8D

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962.0 967.0 ANORTHOSITE LOCAL INT QFHB.

20F/13M

HOLE-ID: S-324

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	71.5	FRAGMENTAL
71.5	140.0	QFB
140.0	172.5	QFB WITH ABN FSPR EYES.
172.5	180.0	IRON FM
180.0	192.0	QFB
192.0	225.0	HB BIO FSPR SCHIST
225.0	275.0	QFB, DARK WITH FSPR EYES.
275.0	313.0	QFB(H)
313.0	412.0	IRON FM
412.0	452.0	HB CHL BIO FSPR QTZ SCHIST
452.0	464.0	HB BIO FSPR GNEISS
464.0	472.5	IRON FM
472.5	522.0	HB BIO FSPR SCHIST
522.0	537.0	HB CHL SCHIST, BLEACHED, ALTERED.
537.0	578.0	HB CHL SCHIST
578.0	627.0	QFHB, POSS FRAGMENTAL
627.0	776.0	HB FSPR GNEISS
776.0	819.5	HB FSPR SCHIST
819.5	849.0	ANORTHOSITE, V C GR
849.0	876.5	ANORTHOSITE, MOTTLED
876.5	899.0	ANORTHOSITE, V C GR
899.0	944.0	QFB
944.0	967.0	ANORTHOSITE

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-60.0
400.0	240.0	-61.0
600.0	240.0	-61.5
800.0	240.0	-59.5
967.0	240.0	-59.0

HOLE-ID: S-324

ASSAY DATA

FROM	TO	CUR	ZNE	AG opt	AU opt
172.5	177.5	.06	.04	.07	.00
177.5	190.0	.04	.02	.02	.00
217.0	218.0	.09	.03	.06	.00
218.0	219.0	.05	.02	.00	.00
254.0	254.5	.07	.03	.04	.00
254.5	258.0	.05	.02	.07	.00

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258.0	258.5	.08	.07	.18	.00
271.0	273.0	.05	.02	.06	.00
304.0	306.0	.03	.02	.05	.00
313.0	314.5	.05	.01	.03	.00
314.5	316.5	.02	.00	.05	.00
316.5	319.0	.03	.02	.06	.00
319.0	320.0	.02	.01	.02	.00
320.0	322.0	.04	.02	.05	.00
322.0	327.0	.03	.02	.09	.00
327.0	331.0	.01	.02	.05	.00
331.0	332.0	.10	.10	.12	.00
332.0	335.0	.01	.04	.02	.00
335.0	339.5	.01	.02	.02	.00
339.5	344.5	.01	.02	.05	.00
344.5	349.5	.01	.03	.03	.00
349.5	354.5	.01	.03	.03	.00
354.5	359.5	.07	.02	.02	.00
359.5	360.5	.36	.01	.06	.00
360.5	363.0	.02	.00	.01	.00
363.0	364.0	.54	.00	.09	.00
364.0	369.0	.02	.01	.05	.00
367.0	374.0	.01	.01	.03	.00
374.0	379.0	.01	.01	.05	.00
379.0	384.0	.00	.00	.02	.00
384.0	389.0	.00	.10	.00	.00
389.0	394.0	.10	.00	.03	.00
394.0	399.0	.02	.00	.04	.00
399.0	404.0	.01	.01	.04	.00
404.0	407.0	.01	.01	.06	.00
407.0	407.5	.01	.01	.01	.00
407.5	412.0	.01	.01	.01	.00
441.0	441.5	.01	.01	.00	.00
464.5	467.0	.05	.00	.00	.00
467.0	470.5	.03	.01	.02	.00
470.5	471.0	.06	.00	.01	.00
471.0	472.5	.00	.00	.02	.00
554.5	555.5	.04	.00	.02	.00
562.5	562.5	.04	.00	.03	.00
582.0	583.5	.02	.01	.07	.00
580.5	662.0	.02	.01	.03	.00
709.5	710.5	.01	.00	.03	.00
796.5	796.5	.00	.00	.50	.00
817.5	818.0	.11	.00	.06	.00
944.0	945.0	.01	.01	.00	.00

ASR

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

HOLE-ID: S-325 START DATE: 12/04/87 COMPLETED: 16/04/87 LOGGED BY: BAKKER
 CORE SIZE: BQ EASTING: 3631.0 NORTHING: 4119.7 ELEVATION: 1012.6
 HOLE LENGTH: 927.0 AREA: 86-1 PURPOSE: INVESTIGATE MAG ANOMALY

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	37.0	CASING		C
37.0	44.0	SHEARED GABBRO	CHL'C, POSS ACTINOLITE, LOCAL QFB, HB FSPR GNEISS.	20D
44.0	49.0	HB FSPR GNEISS	C GR, D GRE TO BLK, POSS GABBRO.	13B
49.0	50.0	QDF		3F
50.0	59.0	HB FSPR GNEISS		13B
59.0	69.0	HB FSPR GN BLEACHED	POSS SERICITE, 1% SULPH, TR CPY.	13B
69.0	72.0	HB FSPR GNEISS		13B
72.0	74.0	QUARTZITE	WELL BANDED, RES A BARREN IRON FM, SMALL PO, PY, CPY STR.	8H
74.0	77.0	HB FSPR GNEISS		13B
77.0	80.5	HB CHL GNEISS	V FN GR, SHEARED CONS, LOCAL EPI FRACTURES.	13C
80.5	82.0	CHL SER? SCHIST	APPEARS TALCOSE, POSS SHEAR ZONE.	13DK
82.0	83.5	QDF		3F
83.5	85.0	HB CHL SCHIST		13C
85.0	102.0	HB FSPR GNEISS		13B
102.0	103.0	QFB		9D
103.0	105.0	QFHB		13M
105.0	109.0	HB FSPR GNEISS		13B
109.0	112.0	INT QFB & HB FSPR GNEISS		80/13B
112.0	117.0	HB FSPR GNEISS		13B
117.0	120.0	HB CHL SCHIST		13C
120.0	123.0	QFB	1-3% PY, PO.	9D
123.0	133.0	HB FSPR GNEISS	RES QDF	13B
133.0	134.0	HB SCHIST		13B
134.0	135.5	HB FSPR GNEISS	FN GR BLK.	13A
135.5	190.0	DIABASE		13B
190.0	205.5	QFB	PALE GREY, EPI STR, BL, RES QDF, SHEARED CONS.	7
205.5	210.5	HB FSPR GNEISS		8
210.5	211.5	QFB	AS ABOVE.	13B
211.5	214.5	HB FSPR GNEISS		8D
214.5	216.0	QFB	AS ABOVE.	13B
216.0	231.0	HB FSPR GNEISS		80
231.0	240.5	HB CHL SCHIST	BLEACHED, FRAGMENTED, ABN LAUMONTITE.	13B
240.5	250.0	HB FSPR GNEISS	FOL 80 DEG TO C/A.	13C
250.0	251.0	ANORTHOSITE	MOTTLED.	13B
251.0	255.0	HB FSPR GNEISS		20F
255.0	257.0	HB FSPR GNEISS	1-3% PY.	13B
257.0	258.5	HB FSPR GNEISS		13B
258.5	259.5	QTZ VEIN WITH ILMENITE		13B
				5Z

259.5	260.5	262.0	267.0	270.0	272.0	282.0	290.0	291.0	302.0	303.0	307.0	314.0	323.0	326.0	330.0	342.0	343.0	354.0	361.0	385.0	387.0	391.0	394.0	395.0	409.0	411.0	414.0	416.0	418.5	426.0	427.0	428.0	433.0	438.5	455.0	467.5	470.0	472.0	477.0	478.0	487.5	507.0	511.0	515.0	520.0	533.0	542.0	555.0	566.0	578.0	588.0	594.0	599.0	608.0	615.0
HB FSPR GNEISS	HB CHL SCH	HB FSPR GNEISS	HB FSPR SCHIST	QDF	HB FSPR SCHIST	HB FSPR SCHISAT	QYZ VEIN WITH PY.	HB FSPR SCHIST	HB FSPR SCH	HB FSPR SCHIST	HB FSPR GNEISS	HB FSPR SCHIST	HB FSPR GNEISS	QFB	HB FSPR GNEISS	QFB	HB FSPR GNEISS	HB FSPR GNEISS	HB FSPR GN	HB FSPR GN	HB FSPR GNEISS	HB FSPR GNEISS	HB FSPR GNEISS	HB FSPR GNEISS	HB SCHIST	HB FSPR GNEISS	HB SCHIST	MASSIVE QTZ	HB FSPR GNEISS	HB FSPR SCHIST	HB FSPR GNEISS	HB FSPR GNEISS	FSPR HB GNEISS	HB FSPR GNEISS	GABBRO	HB BIO SCH	GABERO	GABBRO	GABBRO	GABBRO	HB CHL BIO SCH	DIATREME	HB BIO FSPR GNEISS	QFB	DIATREME	HB BIO SCHIST	DIATREME	QFB	SIMILAR TO 542-555.	FRAGMENTAL	HB BIO GN	DIATREME	HB CHL BIO GNEISS		
V FN GR, GREEN DISCORDANT CONS.	FN GR, D GRE TO BLK.	D GRE, CHL'C, SERC?, SHEARED CONTACT.	AS ABOVE, 1-3% PY, PO.	MD GR, POORLY FLD, D GREEN TO BLK, MAY BE A GABBRO.	FN GR, D GRE.	MD GR, D GRE TO BLK.	RES A SEDIMENT	RES A SED.	C GR, MAY BE A MOTTLED ANORTHOSSITE.	MD GR, POORLY FLD, 1-3% PY, PO.	WITH QTZ STR, MOTTLED, 5-8% PY.	WITH QTZ STR, 1-3% PY, LOCAL ANHYDRITE.	1/2" QTZ STR WITH PY.	FN GR.	FN GR.	POSS ANHYDRITE ON CONS.	FN GR.	C GR, MN CPY.	V C GR, MOTTLED GABBRO', 1-3, LCLY 5-8% PY, PO, CPY.	MOTTLED, V C GR, 1% SULPH, MN PEG STR.	FN GR.	ALT WITH BIO STR, LCLY BL.	MOTTLED.	BL, WITH EPI, SILICIFIED, POSS MN FLUORAPATITE.	FN GR, GRE, POSS SER, LOCAL INT QFHB.	HB BIO GNEISS WITH LARGE FRAGS OR REMS OF COUNTRY ROCK UP TO 4".	MASSIVE, MD GR.	MASSIVE TEX, FN GR.	MATRIX APPEARS TO BE QFHB, FRAGS ARE MAINLY HB CHL SCHIST.	FN GR, WITH MN FRAGS.	FSPR HB CHL GN MATRIX, HB CHL SCH FRAGS UP TO 1", LOCAL EPI STR.	C GR, MASSIVE, RES A GREY GRANITE, LOCAL HB CHL SCHIST REMS.	SL MORE PLAG, 1/2" PY MAG STR.	FRAGS TO 1/2".	CONTORTED FOL.	AS BEFORE, RELATIVELY FEW FRAGS, LOCAL HB CHL SCHIST, QTZ STR.	MD GR, INT WITH FSPR HB GNEISS.																		
13B	13C	13B	13B	3E	13C	13C	5Z	13E	13B	13B	13B	13B	13B	8D	13B	8D	13B	13B	13B	13B	13B	13B	13B	13B	13B	13A	13B	13A	8M	13M	13B	13B	13B	13B	13A	20	20B	20	20	20	13C/13M	22	13B	9C	22	13A	22	9E/13C	22	22	13A	22	13C		

615.0 532.0 GABBRO
 632.0 927.0 GRANITE

50% PLAG, 50% HB, MN BIO, QTZ?, MD TO C GR, MASSIVE TEX.
 MD CR, MASSIVE, FRACTURED, LCLY 5-8% PY, MN CAL, HEM STR, GREY. 20A
 5

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	37.0	OVERBURDEN, CASING.
37.0	44.0	SHEARED GABBRO
44.0	267.0	HB FSPR GNEISS
267.0	307.0	HB FSPR SCHIST
307.0	361.0	HB FSPR GNEISS
361.0	455.0	HB FSPR GNEISS
455.0	487.5	GABBRO
487.5	507.0	HB CHL BIO SCHIST
507.0	615.0	DIATREME
615.0	632.0	GABBRO
632.0	927.0	GRANITE

HOLE-ID: S-325

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-50.0
200.0	240.0	-52.0
400.0	240.0	-59.0
600.0	240.0	-59.0
800.0	240.0	-57.0

HOLE-ID: S-325

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
72.0	74.0	.01	.00	.00	.00
117.0	120.0	.01	.00	.02	.00
217.0	218.0	.03	.02	.02	.00
231.2	233.0	.02	.01	.03	.00
238.0	239.0	.01	.01	.01	.00
250.0	251.0	.11	.16	.05	.00
255.0	257.0	.01	.01	.02	.00
258.5	259.5	.01	.01	.01	.00
290.5	291.0	.02	.00	.01	.00
302.0	303.0	.02	.02	.01	.00
364.0	365.0	.00	.01	.05	.00
376.0	377.0	.03	.01	.01	.00
385.0	387.0	.05	.00	.03	.00
388.0	389.5	.01	.00	.03	.00
389.5	391.0	.02	.00	.01	.00
394.0	395.0	.02	.00	.03	.00
416.0	418.5	.02	.00	.02	.00
435.0	438.5	.03	.01	.05	.00

HOLE-ID: S-325

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458.5	459.5	.02	.01	.04	.00
470.5	472.0	.00	.01	.01	.00
477.0	478.0	.01	.01	.04	.00
490.0	493.0	.00	.20	.00	.00
493.0	498.0	.01	.00	.01	.00
498.0	503.0	.01	.02	.01	.00
503.0	507.0	.01	.01	.04	.00
533.0	534.5	.01	.00	.03	.00
534.5	535.0	.06	.00	.00	.00
538.0	540.0	.02	.02	.00	.00
547.0	549.0	.01	.01	.03	.00
563.0	564.0	.01	.02	.04	.00
568.6	569.0	.02	.01	.05	.00

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HOLE-ID: S-326
 CORE SIZE: BQ
 HOLE LENGTH: 923.0
 AREA: 86-1

FARIES LAKE PROJECT
 DIAMOND DRILL HOLE LOG

START DATE: 19/04/87
 EASTING: 2437.0
 COMPLETED: 24/04/87
 NORTHING: 3962.2
 LOGGED BY: BAKKER
 ELEVATION: 1000.0

PURPOSE: INVESTIGATE MAG ANOMALY

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
39.0	39.0	OVERBURDEN, CASING		C
41.5	41.5	ANORTHOSSITE		20F
46.0	46.0	HB CHL SCHIST	FN GR, D GREEN TO BLK, LOCAL SMALL 'SILIC' WISPS, ALT TO BIO.	13C
49.0	49.0	CHL BIO SCHIST		8C
51.0	51.0	HB CHL SCHIST		13C
55.5	55.5	QFB	FN GR, GREY, LOCAL INT HB SCHIST.	8D
65.0	65.0	HB CHL SCHIST		13C
66.5	66.5	QFB	WITH FSPR EYES, RES QDF.	8E
71.0	71.0	HB CHL SCHIST		13C
73.0	73.0	QFB	RES QDP.	8E
82.5	82.5	HB CHL SCHIST	ABN SILLIMANITE LIKE WISPS LOCAL PY, MN CPY.	13CK
84.0	84.0	INT QFB & HB SCHIST		8/13A
102.0	102.0	HB CHL SCHIST		13A
103.5	103.5	QFB	DIRTY GREY, FN GR.	8D
105.5	105.5	HB CHL SCHIST		13C
106.5	106.5	HB CHL FSPR SCHIST	BL, PALE GREEN, SHEARED.	13C
106.5	116.0	HB CHL SCHIST	MN PEG.	13C/6
116.0	126.0	FRAGMENTAL	POORLY DEV, PARTLY CHL'C, PERVASIVE FSPR EYES.	21
126.0	127.0	QFB	D GREY, RES QDD, MN HB.	8D
127.0	129.0	QFB(H)	FN GR, LT GREY, NO TEXTURE.	8D
129.0	135.0	FRAGMENTAL	LARGE FRAGS OF QTZ.	21
135.0	137.0	FRAGMENTAL	CONTAINS CHL'C INTERVALS, 1-3% SULPH, CHL REPLACING GARNET?	21
137.0	143.0	FRAGMENTAL		21
143.0	145.0	FRAGMENTAL		21
145.0	147.0	QFB	BLACK, V FN GR, RES A QDD.	8D
147.0	151.0	FRAGMENTAL		22
151.0	154.0	HB CHL FSPR DIKE	CONS 15 DEG TO C/A, 5-8% SULPH AT CONTACT.	13C
154.0	161.0	FRAGMENTAL		21
161.0	161.5	HB CHL SCHIST	D GREEN TO BLK (POSS DIKE).	13C
161.5	170.0	FRAGMENTAL		22
170.0	171.0	HB CHL SCHIST		13C
171.0	179.0	FRAGMENTAL		22
179.0	181.0	LAUMONTITE STRINGER		13C
181.0	188.0	FRAGMENTAL		22
188.0	192.5	HB CHL BIO SCHIST		LAUM
192.5	211.0	FRAGMENTAL		21
211.0	211.5	QFB		13C
211.5	220.0	QFB(H)	C GR. MASSIVE, BLACK, POSS DIKE, CONS DISC @ 45 DEG TO C/A.	8E

*** ***	*** ***		*** ***					
220.0	223.0	224.5	254.0	264.0	268.0	268.5	274.0	280.0
FRAGMENTAL	QFB	FRAGMENTAL	HB CHL GNEISS	FRAGMENTAL	QFB	FRAGMENTAL	FRAGMENTAL	HB CHL SCHIST
289.0	295.0	297.0	299.0	302.0	310.0	321.0	323.0	325.5
QFB	HB CHL SCHIST	QFB	QFB	QFB	QFB	QUARTZITE	QUARTZITE	QUARTZITE
328.0	330.0	335.0	337.0	342.0	343.0	349.0	352.0	386.0
INT HB SCHIST & QTZITE	IRON FM	FRAGMENTAL	FRAGMENTAL	FRAGMENTAL	FRAGMENTAL	QUARTZITE	FRAGMENTAL	FRAGMENTAL
394.0	396.0	409.0	410.5	414.0	419.0	424.0	426.5	429.0
IRON FM	IRON FM	QFB(H)	QFB(H)	QFB	QFB	QFB	QFB	QFB
429.0	431.5	431.5	467.0	486.0	488.0	513.0	514.5	515.5
QUARTZITE	QUARTZITE	QUARTZITE	QFB	QFB	QFB	QFB	QFB	QFB
488.0	488.0	513.0	514.5	515.5	517.5	522.0	527.0	529.0
QFB(H)	QFB(H)	QFB(H)	QFB	QFB	QFB	QFB	QFB	QFB
529.0	530.5	530.5	540.5	553.0	558.0	560.0	563.0	564.0
QFB	QFB	QFB	QFB	QFB	QFB	QFB	QFB	QFB
565.0	565.0	565.0	565.0	565.0	565.0	565.0	565.0	565.0
IRON FM	IRON FM	IRON FM	IRON FM	IRON FM	IRON FM	IRON FM	IRON FM	IRON FM

PORPHYRITIC
BLACK, ABN `SILLIMANITE' WISPS.
D GREY, RES QDF.
WHITE, 80% QUARTZ.
FN GR, D GREEN TO BLACK, MN FSPPR EYES.
RES A QDF, ABN EPI STR, SL BL, WKLY FLD.
POSS FRAGMENTAL.
RES QDF.
D GREY, ABN FSPPR EYES.
RES A BARREN IRON FM.
FN GR, BLACK.
RES BARREN IRON FM.
15% MAG, 3% PO.
FN GR.
FN GR, D GREEN.
WHITE.
LOCAL INT HB SCHIST, MN CAL SHEAR, FOL 80 DEG TO C/A.
ABN FINE `SILLC' WISPS.
20% MAG, 10-15% PO, PY.
DK GREY, FN GR, POORLY FLD, NUM FSPPR EYES, SL MOTTLED, LCLY ALT.
AS ABOVE, BUT BL TO LT GREY, MN QTZ STR.
C GR, LT GREY, RES QDF.
ABN WHITE `SILLC' WISPS.
C GR, RES QDF.
RES A BQ, WKLY MINERALIZED.
GREY, RES QDF.
FN GR, D GREY TO BLACK, ABN `SILLC' WISPS, LOCAL INT QDF & QFB.
D GREY, V POORLY FLD, PERSASIVE FSPPR EYES, SL MOTTLED.
FN GR, WKLY FLD, SL RES QDF, BL.
AS ABOVE.
FN GR, D GREEN.
C GR, LT GREY, RES QDF.
FN GR, D GREEN.
C GR, LT GREY, RES QDF.
H DEFORMED, ALT, APPEARS TO HAVE BEEN INTRUDED BY QFB, 1-3% PC.
SIL CHL'C, ABN HB, 15-20%, LCLY 50% MAG, 5-8% PO, PY, CPY.
POORLY DEV, V SILICEOUS, SEVERAL LARGE PY CUBES.
C GR, LT GREY, ABN FSPPR EYES, RES QDF.
SIL, POORLY DEV, WELL BANDED, TEXTURALLY RES GECO BQ.
FSPPR EYES, LT GREY, C GR, RES QDF.
RES QDF.

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Sample No.	Sample Description	Notes	Location
565.0	HB SCHIST		13A
584.5	IRON FM		10
586.0	HB SCHIST		13A
587.0	IRON FM		10
597.0	QFB		8E
601.0	HB CHL SCHIST		13C
603.0	HB CHL BIO SCHIST		13C
611.0	HB CHL SCHIST		13C
611.5	HB CHL SCHIST		13A
617.0	HB SCHIST		13C
617.0	HB CHL BIO SCHIST		8
635.5	QFB		13C
637.5	HB CHL SCHIST		9E
638.5	QFB		13C
641.0	HB CHL SCHIST		10B
642.5	IRON FM		10A
647.0	IRON FM		10A
649.5	IRON FM		13A
652.0	IRON FM		13A
657.0	HB SCHIST		13A
662.0	HB SCHIST		13C
681.0	HB CHL FSPR SCHIST		13C
684.5	HB CHL GNEISS		13C
687.0	HB CHL FSPR SCHIST		13C
699.0	HB CHL GNEISS		13C
705.0	HB CHL FSPR SCHIST		13C
710.0	HB GNEISS		13
711.5	HB GNEISS		13A
712.0	HB GNEISS		13A
712.0	HB CHL FSPR SCHIST		13C
715.0	HB GNEISS		13A
716.0	HB GNEISS		13C
716.0	HB CHL FSPR SCHIST.		13C
721.0	PEGMATITE		6B
722.0	HB GNEISS		13BC
730.0	HB GNEISS		13C
733.0	HB CHL FSPR SCHIST		6A
735.0	PEG		13BC
738.0	HB SCHIST		6A
742.0	PEGMATITE		13A
744.0	HB SCHIST		5A
746.0	PEGMATITE		13A
747.5	HB SCHIST		8M
748.0	QUARTZITE		13A
749.0	HB SCHIST		3F
749.5	QDF		13A
749.5	HB SCHIST		13C
756.5	HB CHL GNEISS		13A
757.0	HB SCHIST		13C
757.0	HB SCHIST		13A
760.0	HB CHL SCHIST		13C
761.0	HB CHL SCHIST		13A
764.0	HB SCHIST		3F
766.5	QDF		13A
769.0	HB SCHIST		13/10
769.5	HB BIO QTZ SCHIST		13A
769.5	HB SCHIST		137
772.0	HB BIO QTZ SCHIST		13A
773.0	HB SCHIST		6
774.5	HB SCHIST		
775.5	PEGMATITE		

BLACK, ABN CAL FILLED FRACTURES.

50% MAGNETITE.
FSPR EYES, RES QDF.

V FN GR, LCLY 1-3% PY.
AS ABOVE, BUT BL, 1/2" PY VEINS.
AS ABOVE, V BL GREEN, ABN EPI FILLED FRACTURES.

BL, 1% PY.
GREY, RES QDF.

SIL, CHLC BANDS, H MAGC, 5-8% PO, PY, FOL 85 DEG TO C/A.
ALTERED, FSPR ENR, 5-8% PO, PY, RES BQ.
POORLY DEV, V SIL
5% PO, PY.
1% PY.

ABN WHITE 'SILLO' WISPS.
BL 3- 5% PO, PY, MN CPY.

ABN PEG STR.

LARGE ALT FSPR PHENOS.
HB GNEISS, 5-8% PO, PY.
BLEACHED.

5-8% PY, PO.

V C-GR, WHITE.
SL CHLORITIC.

V C GR, PINK.
LOCAL CHL, MN SULPHIDES.
V C GR, PINK.

V C GR, PINK.

TR GARNET.

BLEACHED.

HEM STAIN, 5% PO, PY.

RES POORLY DEV IRON FM, 5-8% PO, PY.

AS ABOVE.

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FROM	TO	MAJOR UNIT	DESCRIPTION	UNIT
775.5	776.5	HB BIO QTZ SCHIST	AS ABOVE.	137
776.5	778.0	HB SCHIST		13A
778.0	802.0	HB CHL SCHIST	BL, POSS FRAGS, LOCAL QTZ STR, BARREN.	13C
802.0	812.0	HB CHL SCHIST	UNBLEACHED, BLACK.	13C
812.0	819.0	HB FSPR GNEISS	'SILLC' WISPS, FSPR KNOTS TO 1/2".	13B
819.0	833.5	QFB	FN GR, BLK, SL BL, ABN FSPR KNOTS, LOCAL PEG.	13M
833.5	844.5	DIABASE	FN GR, FRACTURED, CAL FILLING, CON 30 DEG TO C/A.	7
844.5	847.0	HB SCHIST	BLACK.	13A
847.0	848.0	QFB	FN GR, LT GREY.	8C
848.0	866.0	HB BIO FSPR GNEISS	BL, LT GREY, BARREN, SL MOTTLED, MN QDF, QTZ VEINS, DIABASE.	13B/207
866.0	868.0	HB BIO FSPR SCHIST	ABN FSPR EYES, 'SILLC' WISPS.	13B
868.0	869.0	PEGMATITE		6
869.0	870.0	HB CHL SER GNEISS	BL, LARGE HB PENOS.	13CK
870.0	870.5	PEGMATITE		6
870.5	872.0	HB BIO FSPR GNEISS		13B
872.0	873.0	HB BIO CHL SCHIST		13C
873.0	874.0	QFB	5-8% PY.	8
874.0	880.0	PEGMATITE		5
880.0	888.5	HB BIO GNEISS	FN GR, BLK, MN CHL.	13A
888.5	889.0	QFB		8
889.0	892.0	HB BIO GNEISS		13A
892.0	893.5	PEGMATITE		6
893.5	894.0	HB FSPR GNEISS		13B
894.0	895.5	QFB	C GR, LT GREY, RES QDF.	8E
895.5	900.0	HB BIO GNEISS		13A
900.0	901.0	QFB		8
901.0	906.0	PEGMATITE		6
906.0	911.0	HB BIO GNEISS		13A
911.0	916.0	GRANITE	FN GR, WHITE, OCC PEG STR.	5
916.0	918.0	HB BIO GNEISS		13A
918.0	923.0	PEGMATITE	V C GR, PINK.	6A

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	39.0	OVERBURDEN, CASING.
39.0	73.0	HB CHL SCHIST
73.0	116.0	HB CHL SCHIST BLEACHED
116.0	289.0	FRAGMENTAL
289.0	321.0	QFB, RES QDF.
321.0	396.0	FRAGMENTAL
396.0	431.5	QFB(H)
431.5	467.0	HB (CHL) GNEISS
467.0	522.0	QFB(H)
522.0	503.0	IRON FM
503.0	542.5	HB CHL BIO SCHIST
542.5	562.0	IRON FM
562.0	735.0	HB CHL FSPR SCHIST
735.0	778.0	HB SCHIST
778.0	819.0	HB CHL SCHIST
819.0	833.5	QFB
833.5	844.5	DIABASE

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844.5 880.0 HB BIO FSPR GNEISS
 880.0 923.0 HB BIO GNEISS

HOLE-ID: S-326

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-64.0
400.0	240.0	-63.0
500.0	240.0	-61.5
800.0	240.0	-61.5

ASSAY DATA

HOLE-ID: S-326

FROM	TO	CU%	ZN%	AG opt	AU opt
59.0	60.0	.06	.01	.01	.00
135.0	137.0	.01	.00	.00	.00
137.0	140.0	.01	.00	.00	.00
140.0	143.0	.01	.00	.01	.00
150.5	151.5	.01	.01	.00	.00
179.5	181.0	.04	.01	.01	.00
267.0	268.0	.01	.01	.02	.00
298.5	299.5	.03	.00	.02	.00
308.5	310.0	.01	.01	.01	.00
325.5	328.0	.03	.02	.01	.00
328.0	330.0	.01	.01	.01	.00
349.0	352.0	.01	.00	.02	.00
409.0	410.5	.01	.02	.02	.00
426.5	429.0	.01	.00	.00	.00
522.0	527.0	.02	.01	.01	.00
527.0	529.0	.06	.00	.04	.00
529.0	530.5	.03	.00	.00	.00
530.5	535.5	.01	.02	.03	.00
535.5	540.5	.01	.01	.00	.00
540.5	545.5	.03	.02	.02	.00
545.5	550.5	.02	.00	.01	.00
550.5	553.0	.02	.00	.01	.00
553.0	558.0	.04	.00	.02	.00
558.0	560.0	.01	.01	.02	.00
560.0	563.0	.07	.00	.03	.00
563.0	564.0	.01	.01	.02	.00
564.0	565.0	.05	.01	.01	.00
565.0	570.0	.01	.00	.00	.00
570.0	575.0	.01	.01	.01	.00
575.0	580.0	.01	.00	.01	.00
580.0	584.5	.01	.02	.02	.00
584.5	585.0	.02	.02	.02	.00
586.0	587.0	.01	.00	.03	.00
587.0	592.0	.01	.00	.01	.00
592.0	597.0	.01	.00	.01	.00

PC-XPLOR VERSION 1.00
 Exploration Data Manager
 By GEMCOM SERVICES INC.

NORANDA INC. - GECO DIVISION
 FARRIES LAKE EXPLORATION PROGRAM

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597.0	501.0	.01	.00	.02	.00
501.0	603.0	.01	.00	.00	.00
603.0	507.0	.01	.01	.00	.00
607.0	611.0	.00	.00	.00	.00
611.0	612.0	.01	.00	.01	.00
635.0	637.5	.01	.00	.00	.00
642.5	647.0	.07	.00	.02	.00
647.0	649.5	.19	.00	.03	.00
649.5	652.0	.03	.01	.03	.00
652.0	657.0	.03	.01	.02	.00
681.0	684.5	.03	.00	.01	.00
710.5	711.5	.04	.03	.01	.00
711.5	712.0	.01	.01	.00	.00
715.0	716.0	.01	.01	.00	.00
756.5	757.0	.01	.00	.02	.00
757.0	761.0	.01	.01	.01	.00
769.0	769.5	.05	.01	.01	.00
772.5	773.0	.07	.00	.00	.00
775.5	776.5	.02	.00	.00	.00
860.5	866.5	.03	.00	.02	.00
869.0	870.0	.00	.10	.20	.00
872.0	873.0	.05	.01	.03	.00
906.0	906.5	.04	.02	.03	.00

PC-XPLOR VERSION 1.00 ***
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NORANDA INC. - GECO DIVISION
 FARIES LAKE EXPLORATION PROGRAM

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FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

HOLE-ID: S-327 START DATE: 25/04/87 COMPLETED: 30/04/87 LOGGED BY: BAKKER
 CORE SIZE: BQ EASTING: 3945.8 NORTHING: 1289.0 ELEVATION: 1101.2
 HOLE LENGTH: 923.0 AREA: 86-1 PURPOSE: INVESTIGATE MAG ANOMALY

AS 32

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	5.0	OVERBURDEN, CASING.		C
5.0	8.0	ANORTHOSITE	MOTTLED, ABN CHL, HB, C GR, GREY TO GREEN, TR TO MN SULPHIDES.	20F
8.0	15.0	QFB	MD GR, D GREY, ABN FSPR EYES.	8E
15.0	18.0	ANORTHOSITE		20F
18.0	20.0	QFB		8E
20.0	24.0	ANORTHOSITE		20F
24.0	26.0	QFB	AS ABOVE.	8
26.0	30.5	ANORTHOSITE		20F
30.5	33.5	HB CHL SCHIST		13C
33.5	35.0	QFB		8E
35.0	54.5	ANORTHOSITE		20F
54.5	55.0	QFB	C GR, GREY.	8EJ
55.0	59.0	ANORTHOSITE	C GR, GREY, GARNETIFEROUS.	20F
59.0	60.5	QFB		8
60.5	62.0	BIO CHL SCHIST	V SCHISTOSE.	8C
62.0	66.0	QFB	GARN.	8EJ
66.0	81.0	QFB	MD GR, D GREY, MODLY FLD.	8E
81.0	84.0	QFBH	CHL'C, SERC.	8?
84.0	91.0	QFB(H)		8
91.0	92.0	ANORTHOSITE		20F
92.0	94.0	QFB	C GR, GREY.	8D
94.0	99.0	ANORTHOSITE	V FN GR, SANDY TEXTURE.	20F
99.0	103.0	QFB(H)	LT GREY, MOTTLED.	8
103.0	104.5	QFB		8
104.5	105.5	BIO CHL SCHIST		8C
105.5	107.0	QFB		8
107.0	108.0	QFB	SILICEOUS, 1% PY.	8
108.0	109.0	QFB	MD GR, D GREY, GARN.	8E
109.0	114.0	HB CHL FSPR GNEISS		13C
114.0	115.0	QFBH	MD GR, D GREY, RES QDP.	13M
115.0	116.0	QFB	GARN.	8J
116.0	126.0	CHL FSPR SCHIST	C GR, GREEN.	13?
126.0	131.0	FSPR HB CHL BIO GNEISS	C GR, GREY, POORLY FLD, MN SULPH, SMALL BLES CPY.	13C
131.0	137.0	BIO CHL HB SCHIST	FN GR, D GRE TO BLK, V ALT BL.	8C?
137.0	138.0	ANORTHOSITE		20F
138.0	142.0	HB CHL BIO SCHIST	SERC, D GRE, FOL 50 DEG TO C/A.	13C
142.0	144.0	HB CHL SCHIST	FN GR, FN GR, GRE, MOTTLED, POORLY FLD.	13C
144.0	147.0	ANORTHOSITE	MD GR, MASS, MOTTLED.	20F

147.0	HB CHL SCHIST	AS ABOVE.	13C
150.0	QFB(H)	MD GR, D GREY, POORLY DEV FSFR EYES, ABN FRA.	8
166.5	QFB	FN GR, GREY, POORLY FLD.	8D
170.5	CHL BIO SCHIST		13?
172.0	QFB	FOL 80 DEG TO C/A.	8
175.0	HB CHL SCHIST.	D GRE, FN GR, TR TO MN SULPH.	13C
176.0	HB CHL FSFR GNEISS	MD TO C GR, GREEN, POSS ALT ANORTHOSITE, 2-5% PO, PY, CPY.	13C
177.5	QFB	CHL, FN GR, GREY, LOCAL CHL BLERS.	8
179.0	CHL HB SCHIST	MD GR, GREEN, 5-8% PO, PY, CPY.	13C
184.0	QFB	FN GR, GREY.	8D
186.0	CHL HB SCHIST		13C
196.0	QFB	FN GR, GREY-BROWN.	8D
196.5	QFB		13C
197.0	CHL HB SCHIST	FN GR, GREY, LOCAL GARNET.	8D
202.0	QFB	FN GR, GREY.	8D
206.0	QFB	RARE FSFR EYES.	8
207.0	QFB	FN GR, INT HB CHL SCHIST.	8D
210.0	HB CHL FSFR GNEISS	C GR, D GRE, 3-5% PO, CPY, PY.	13C
216.0	HB CHL SCHIST	FN GR, GREEN.	13C
217.0	QFB	FN TO MD GR, GREY.	8D
220.0	QFB	RES QDP.	8E
224.0	QFB	FN GR, GREY, SMALL CHL STR WITH PY, PO.	8D
226.0	QFB	LT GREY FN GR, WELL BANDED.	8H
227.0	QUARTZITE	FN GR, GREY POORLY FLD.	8D
227.0	QFB	SIL, MAG, CHL, GAR, 5-10% PO, PY.	10B
235.0	IRON FM	V SIL, POORLY DEV, SL SERC.	10A
238.0	IRON FM	SIL, MAG, CHL, WELL BANDED 85 DEG TO C/A.	10B
242.0	IRON FM	FN GR, BLACK.	8S
244.5	BIO HB SCHIST	SIL, V MAGC, CHL, WELL BANDED.	10B
249.0	IRON FM	V FN GR, BLACK.	13A
252.0	HB SCHIST	AS ABOVE, LOCAL GARNET.	10J
252.5	IRON FM	MD GR, D GRE, LCLY WELL BANDED, FOL 80-85 DEG TO C/A.	13B
267.5	HB FSFR GNEISS	MD GR, D GREY, M, WK FLD, MN PY, CONC CONS, APPEARS DIKE LIKE.	13M
274.5	QFHB	SL BL, SEVERAL FRA WITH CAL/LAUM INFILLING.	13B
276.0	HB FSFR GNEISS	FN GR, LCLY MD GR, D GRE TO D GREY, OCC BANDS QFB, FOL 85 DEG.	13A
278.0	HB SCH	FN GR, D GRE TO D GREY, OCC QTZ STR, SL BL, FRA WITH LAUM.	13B
294.0	HB FSFR GNEISS	D GRE, MD TO C GR, QTZ & PEG STR, LCLY WELL BANDED, MN QFB.	13B
302.0	HB FSFR GNEISS		8/13B
307.5	INT QFB & HB FSFR GNEISS	D GRE, MD GR, MASSIVE.	13B
309.0	HB FSFR GNEISS	FN GR, D GRE, M, OCC BL HRLN FRA, MN CAL, QFB, FOL 85 DEG TO C/A.	13A
311.5	HB SCHIST	MASSIVE HB, C GR, D GRE.	13
316.5	DIKE?	FRAC, ABN CAL, 1-3% PO, CPY, MN ILM IN CAL VEINS.	8?
317.0	QFB	SIL, CHL, ABN MAG, WELL BANDED.	10B
319.0	QTZ HB GNEISS	ABN QTZ FRAG, 3-5% PY, CPY, LOC MAG BANDS	M
319.0	IRON FM	SHEARED, ABN CALC	13A
321.0	NM PO	M PO, PY, CPY	5
323.0	HB GN	5-8% PY, PO, VMAG, LT FRAG IN MAF GMAS, CONTORTED	13B
325.5	HB GN	VFG, LCC CHL, BLK, W BAND, FOL AT 80 DEG	13A
326.0	HB FSFR GN	DK G TO BLK, MG	13C
327.0	6B	FG, LT GY, MIN SULPH, DYKE?	8D
327.0	HB FSFR GN	4" 6C	13C/6A
334.0	HB SCH	SHEAR, LT GREY, ABN CALC, 25 DEG TO C/A	8?
338.5	HB CHL FSFR GN	FG, BLK	13C
343.5	QFB		8D
345.5	HB CHL FSFR GN		13C/6A
360.0	POSS QFB		8?
364.0	HB CHL SCH		13C

356.0	6A		DRK GRN TO BLK, ABN SHEARS, 10% PY, MNR PO, CPY, RES FRAGMENTAL	6A
366.5	HLB CHL SCH		QFB INTERBEDS, FG, DK GY, BLK, 1-3% SULPH	13C
372.0	HLB FSPR SCH		QFB INTERBEDS, CONTORTED, ALTERED	13B
379.0	HB FSPR GN		FG, DRK GRN, CONT, 30 DEG TO C/A	13B
380.5	DIABASE		FG, DRK GRY, LOC HB SCH BANDS	7
382.0	QFHB GN		LT GREY	13M
384.0	QFB		A/A	8
385.0	QFHB		ABN HB GN STRINGERS, LOC SHEARS, CALC AND LAUM	13M
390.0	QFB		MASSIVE	8
397.0	QUARTZITE		VFG, BLK, POORLY FOL,	8M
398.0	HB SCH		A/A, QTZ STR, 5-8% PO, CPY	13A
402.0	HB SCH		VFG, BLK, POORLY FOL	13A
402.5	HB SCH		GREY, MG	13A
406.0	QFBJ		RES FRAG, BLK TO DRK GREY, TRACE CPY, LOC 1%	8J
406.5	HB SCH		MG, GREY TO BLK	13A
406.5	HB SCH		FG, DRK GREEN TO BLK, TRACE CPY, LOC 1%	13B
410.0	HB FSPR GN		RES MQ, PINK, GRADES TO 5	8J
415.0	QFBJ		DRK GREEN TO BLK, POORLY FOL, QTZ STRINGERS WITH CPY, PY	13A
415.5	HB CHL SCH		MD GR, D GRE TO GREY, LCLY APPEARS FRAGM.	13B
419.5	HB CHL SCH		RES QDF.	8E
420.5	QFBJ		ALT, LCLY SERC.	13B
433.0	HB FSPR GN		FN GR, WELL BANDED, LOCAL SERICITE, TIGHTLY, FOLDED, IN CENTRE.	8
439.0	QFB		MASSIVE, MN GARNET, LOCAL SERC BANDS, GRANITIZED.	13B
440.0	HB FSPR GNEISS.		MOTTLED, D GREEN TO BLACK, MD GR.	8M
450.0	QFB		FN GR, MOTTLED, FN GR, D GREY.	13B
451.0	HB FSPR GNEISS.		GREY TO PINK, M TO C GR, M, LCLY PEGC, GARNET THROUGHOUT.	5
454.0	QFBH		AS ABOVE.	13C
458.0	QUARTZITE		AS ABOVE.	5
461.0	HB FSPR GNEISS		AS ABOVE.	6
474.0	QFB		FN TO MD GR, PINK, GARNET THROUGHOUT.	5
479.0	HB FSPR GNEISS		BLK TO D GRE, SL ALT.	5J
484.0	GRANITE		AS ABOVE.	13C
551.0	HB CHL SCHIST		MD GR, LT GREY, BL.	5
552.0	GRANITE		AS ABOVE.	8J
595.0	PEGMATITE		C GR, LT GREY.	5
597.0	GRANITE		AS ABOVE.	8E
630.0	GRANITE		D GREY, FSPR EYES.	5
650.0	HB CHL SCHIST		AS ABOVE.	8E
652.0	GRANITE		FN GR, LOCAL FSPR EYES.	5
660.0	QFB GARNETIFEROUS		AS ABOVE.	8D
661.0	GRANITE		AS ABOVE.	5
669.0	GRANITE		FN GR, GREY, ALT, SHEARED.	8D
670.0	QFB		PINK, MASSIVE, FN GR, BADLY BROKEN, ABN EPI INFILLINGS.	5
674.5	GRANITE		FN GR, GREY, SHEARED, POORLY FLD.	8D
676.0	QFB		AS ABOVE.	5
680.0	GRANITE		FN GR, GREY, SHEARED.	5
682.0	QFB		H SCUGED.	13A
696.0	GRANITE			6Z
698.0	QFB			E
704.0	GRANITE			
705.0	QFB			
710.5	GRANITE			
712.0	QFB			
715.0	HB GNEISS.			
715.0	QTZ STR.			
715.5	FAULT ZONE			

716.5	717.5	QFB	MD GR, GREY, MN PY, CPY.	8E
717.5	718.5	HB CHL SCHIST	C GR, ABN FSPR EYES.	13C
718.5	719.0	QFB	V FN GR, GREY.	8D
719.0	720.0	HB CHL SCHIST		13C
720.0	721.0	QFB		8E
721.0	730.0	HB CHL SCHIST	GREY, FSPR EYES, RES QDF.	13C
730.0	732.0	HB GNEISS	MD GR, GREEN, LOCAL FSPR EYES, 1/2" PY STR.	13A
732.0	734.0	ANORTHOSITE	MD TO C GR, D GRE TO BLK, ABN FSPR EYES, SH, ALT, SERPENTINIZED.	20F
734.0	736.0	QFB	C GR, DIRTY, GREY.	8E
736.0	737.0	ANORTHOSITE	C GR, GREY, RES QDF.	20F
737.0	739.0	HB CHL SCH	A/A	13C
739.0	744.5	ANORTHOSITE	MG, GREEN	20F
744.5	745.0	QUARTZ	A/A	5Z
745.0	747.0	QFB	MASSIVE	8E
747.0	747.5	HB CHL SCH	GREY, MG, FSPR EYES, RES 3F	13C
747.5	750.5	QFB	CG, GREEN	8E
750.5	756.5	HB CHL GN	A/A	13C/20F
756.5	758.0	QFB	CG, GRADES TO ANORTHOSITE	8E/13C
758.0	759.0	QFB	GREY TO DRK GREY, LOC HB CHL INTERBEDS	8E
759.0	759.5	MQ	CG, GRANITIZED	8E
759.5	761.0	QFB	VFG, LT GREY	8M
761.0	765.0	QFB	CG, GRANITIZED, MNR PY	8E
765.0	767.0	ANORTHOSITE	GREY TO DRK GREY, LOC HB CHL INTERBEDS	8E/13C
767.0	773.0	QFB	VCG, MASSIVE	20F
773.0	774.0	ANORTHOSITE	FN GR, LT TO D GREY.	8D
774.0	785.0	QFB	V C GR, GREEN TO BUFF.	20F
785.0	790.0	QFB	C GR, FSPR EYES, RES QDF.	8E
790.0	798.0	QFB	FN GR, LT TO D GREY.	8D
798.0	799.0	QFB	C GR, FSPR EYES, RES QDF.	8E
799.0	800.0	HB CHL GNEISS	BLEACHED, PALE GREEN.	8
800.0	802.0	QFB	MD GR, D GREEN TO BLK.	13C
802.0	803.0	HB CHL GNEISS	MD GR, D GREY.	8E
803.0	811.0	QFB	D GREEN TO BLACK, MD GR.	13C
811.0	813.5	ANORTHOSITE	FN TO MD GR, D GREY TO BLACK.	8D
813.5	815.0	QFB	V C GR, BUFF TO PALE GREEN.	20F
815.0	821.0	ANORTHOSITE	AS ABOVE.	8
821.0	823.0	HB FSPR GNEISS	AS ABOVE.	20F
823.0	825.0	ANORTHOSITE	FN TO MD GR, BLK, FSPR EYES.	13B
825.0	826.5	QFB		20F
826.5	857.0	QFB	FN TO MD GR, D GREY.	8D
857.0	858.0	ANORTHOSITE	LT GREY, FSPR EYES, RES QDF, LOCAL QTZITIE STR.	8E
858.0	859.0	QFB		20F
859.0	860.0	PEGMATITE		8D
860.0	861.0	QFB	A/A	6A
861.0	862.0	ANORTHOSITE	V C GR, PINK.	8
862.0	863.0	QFB		20F
863.0	864.0	ANORTHOSITE	MD GR, GREY, FSPR EYES, RES QDF.	8DE
864.0	865.5	QFB	LT GREY, POORLY FLD, FN GR, MN HB CHL DIKES.	20F
865.5	871.0	ANORTHOSITE		8D
871.0	879.0	GRANITE	PINK, FN GR, SHEARED.	20F
879.0	897.0	ANORTHOSITE		5
897.0	890.0	HB FSPR GNEISS		20F
890.0	894.0	PEG, V FN GR.		13C
894.0	899.0	ANORTHOSITE		8
899.0				20F

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899.0 900.0 QFB LT GREY, C GR, ABN FSPR EYES, BL. 8E
 900.0 901.0 PEGMATITE 6
 901.0 902.0 QFB 8
 902.0 903.5 QFB 8D
 903.5 904.5 QFB 8E
 904.5 906.0 QFB 8D
 906.0 917.0 QFB? 8
 917.0 923.0 DIABASE 7

MAJOR UNIT

HOLE-ID: S-327

FROM	TO	MAJOR UNIT
.0	5.0	OVERBURDEN.
5.0	62.0	ANORTHOSITE.
62.0	108.0	QFB(H).
108.0	.0	

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-60.0
400.0	240.0	-60.0
600.0	240.0	-57.0
800.0	240.0	-57.0

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ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
107.0	108.0	.08	.08	.04	.00
130.0	131.0	.02	.01	.02	.00
175.0	176.0	.03	.02	.03	.00
176.0	177.5	.03	.01	.01	.00
179.0	182.0	.06	.01	.01	.00
182.0	184.0	.02	.01	.00	.00
184.0	186.0	.01	.00	.00	.00
186.0	191.0	.06	.01	.00	.00
191.0	196.0	.04	.01	.00	.00
196.0	196.5	.01	.01	.03	.00
196.5	197.0	.04	.00	.01	.00
210.0	212.0	.01	.01	.06	.00
212.0	213.0	.06	.00	.02	.00
213.0	216.2	.02	.01	.00	.00
224.2	227.0	.02	.01	.02	.00
235.0	238.0	.01	.00	.01	.00
238.0	242.0	.01	.02	.05	.00
242.0	244.5	.02	.01	.03	.00
244.5	249.0	.01	.01	.04	.00

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	Cu	Zn	As	Ac
249.0	.01	.01	.04	.00
252.0	.00	.00	.03	.00
252.5	.03	.02	.03	.00
257.5	.02	.03	.00	.00
262.5	.01	.01	.00	.00
317.5	.30	.11	.08	.00
319.0	.04	.00	.05	.00
321.0	.23	.02	.03	.00
323.0	.01	.01	.06	.00
323.5	.03	.02	.04	.00
325.0	.33	.04	.04	.00
327.0	.04	.01	.03	.00
331.0	.01	.04	.03	.00
360.0	.00	.02	.01	.00
366.5	.02	.03	.02	.00
402.5	.05	.01	.02	.00
416.5	.08	.00	.03	.00
724.5	.08	.04	.05	.00

John Hagnon

FARIES LAKE PROJECT
 DIAMOND DRILL HOLE LOG

HOLE-ID: S-328 START DATE: 01/05/87 COMPLETED: 04/05/87 LOGGED BY: GAGNON
 CORE SIZE: BQ EASTING: 4385.4 NORTHING: 836.4 ELEVATION: 1107.1
 HOLE LENGTH: 707.0 AREA: 86-1 PURPOSE: CHECK IRON FORMATION

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	2.0	OVERBURDEN	CASING TO 12'.	C
2.0	8.0	HB FSPR GNEISS	D GREEN, MD GR, SOMEWHAT MASSIVE, LCLY BL.	13B
8.0	22.0	ANORTHOSITE	V C GR, GREENISH WHITE, LARGE PALE GREEN FLAG PHENOS.	20F
22.0	28.0	HB FSPR GNEISS	AS BEFORE, SL SERC, LCLY BRC, BL.	13B
28.0	40.0	ANORTHOSITE	AS ABOVE, NOT SO C GR, OCC BANDS OF HB SCHIST.	20F
40.0	42.0	SHEAR ZONE	RDSH, KSPAR ENRICHED, H SILICIFIED.	SZ
42.0	50.5	HB FSPR GNEISS	LCLY SL PORP, OCC BL ZONES, LCLY CLC.	13B
50.5	65.0	ANORTHOSITE	AS BEFORE, CLC, LCLY SL SERC, TR DISS CPY.	20F
65.0	66.0	HB SCHIST	FN GR, D GREEN, MASSIVE.	13A
66.0	67.0	HB CHL SCHIST	MN INT QFB, C GR, SCHISTOSE, SCHISTOSITY 75 DEG TO C/A.	13C
67.0	68.0	ANORTHOSITE		20F
68.0	70.0	HB SCHIST		13A
70.0	86.0	CHL SCHIST	FN GR, D GRE, M, OCC INT QFB.	13D
86.0	89.5	MAFIC-DIKE?	M, C GR, POORLY FLD, RES AN ALT DIKE, TR PO, PSBLY ALT GABBRO.	13D
89.5	93.0	CHL SCHIST	FN GR, M, CLC, TR BRNSH BIO-OR SER, RES-CHL SCH, SHARP IRR CONS.	137
93.0	108.0	ANORTHOSITE	C GR, SAME AS AT 70-86.	13D
108.0	118.5	CHL SCHIST	MOTTLED, C GR, GNSH-WHITE, HOMOG, QTZ FSPR STR, MN INT QFB.	20F
118.5	132.0	ANORTHOSITE	C GR, AS BEFORE, OCC ANORTHOSITIC STR, MN INT HB SCH.	13D
132.0	154.0	CHL SCHIST	LCLY CHL'C, OCC BANDS RES QFB.	20F
154.0	161.0	ANORTHOSITE	AS BEFORE, C GR, OCC QTZ FSPR STR, MN PEG, LCLY IS SERC.	13D
161.0	164.0	CHL SCHIST	MOTTLED, D GRE, C GR, PALE GNSH WAXY FLAG, MN CPY, PO, PY.	20F
164.0	166.5	QFB?	SL SERC.	13D
166.5	168.0	HB CHL SCHIST	H GRNZ, ABN PEG STR, TR SULPH.	8E
168.0	176.0	CHL SCHIST	C GR, D GRE, 1-3% CPY, PY, PO.	13C
176.0	178.0	QFBH	MN INT QFB, LCLY SL SERC, MN TO 1% PO, PY, CPY.	13D
178.0	180.0	CHL SCH	MD GREY, MD TO C GR, SL SILF, MN ANOR STR, TR TO MN PY, PO, CPY.	13M
180.0	182.0	QFH(B)	C GR, SL SERC, MN ANOR STR, MN CPY, PY.	13D
182.0	197.0	CHL SCH	GARN, INT CHL SCH, HB SCH, TR SULPH.	8T
197.0	199.0	BIO CHL SCH	C GR, D GRE, MN HB, TR BIO, LCLY SL SERC, LCLY 2-5% PO, CPY, PY.	13D
199.0	215.0	HB FSPR CHL GNEISS	MD TO C GR, D GRE TO BROWN, SL SERC, SL SILF, LCLY 2-3% CPY.	8C
215.0	218.5	BL ZONE	D GRE, C GR, MOTTLY TEX, LCLY H CHL'C, OCC BIO/SER BANDS.	13C
218.5	227.0	QFH	H ALT, CHL'C, OCCLY SERC, CAL FILLED FRA.	BZ
227.0	229.5	HB FSPR GN	CHL'C, FN GR, D GRE TO D GREY, LCLY SL BL.	8T
229.5	230.5	BL ZONE	D GRE, C GR, CHL'C, MOTTLY TEX LIKE ANOR.	13B
230.5	232.0	QFB?	FN GR, LT GREY.	BZ
232.0	233.0	CHL SCH	BL, CHL'C.	87
233.0	236.0	BRC, BL ZONE	OCC ANOR STR.	13D
236.0	246.0	HB FSPR GN	LCLY RES ANOR, TR CPY.	20F?
			LOOKS ANORTHOSITIC, C GR, ABN PALE GNSH FLAG.	13B

 246.0 277.0 QFHB
 277.0 281.0 CHL SCH
 281.0 283.0 CHL SCH
 283.0 287.0 CHL BIO SCH
 287.0 288.0 HB FSPR GN
 288.0 290.5 INT HB FSPR GN & QFB.
 290.5 302.0 QFHB
 302.0 304.0 HB FSPR GN
 304.0 309.0 DIABASE
 309.0 318.0 CHL BIO SCH
 318.0 362.0 QFHB
 362.0 367.0 DIABASE
 367.0 377.5 QFHB
 377.5 378.0 DIABASE
 378.0 379.5 QFHB
 379.5 390.0 CHL BIO SCH
 390.0 396.0 FSPR PORPHYRY
 396.0 399.0 QFB
 399.0 404.5 DIABASE
 404.5 413.0 QFB
 413.0 416.0 FSPR PORPHYRY
 416.0 417.0 PEGMATITE
 417.0 418.0 FSPR PORPHYRY
 418.0 493.5 QFB
 493.5 637.5 GRANITE
 637.5 640.5 QFB
 640.5 651.0 GRANITE
 651.0 707.0 DIABASE

C GR, D GRE, NUM WISPS BIO, LCLY SL SERC, LCLY ANORC.
 C GR, D GRE, OCC BIO/SER WISPS.
 ABN QTZ STR.
 C GR, D GRE, BRSH BIO BANDS, MAINLY CHL, 15% BIO, MN QTZ STR.
 D GRE, C GR.
 MD GRE, FN TO MD GR, BRSH BIO BANDS, NUM QTZ FSPR STR, LCLY CLC.
 D GRE, C GR, FOL 80 DEG TO C/A.
 FN GR, MD GREY.
 OCC BANDS HB SCH, FOL 80 DEG TO C/A.
 FN TO MD GR, D GRE, FOL 80-85 DEG TO C/A, MN BIO, TR CPY, PY.
 FN GR, MD GREY, CONS 25 DEG TO C/A.
 D GREY GRE, FN TO MD GR, FSPR PORP, LOCAL ANORC BANDS.
 AS ABOVE.
 AS BEFORE, OCC FELSIC BANDS WITH MN GAR, TR SULPH.
 D GREY, MD GR, M, RES A QDF.
 FN GR, D GREY, M, MN SMALL FSPR GRAINS, RES A DIKE.
 FN GR, D GREY, SL PORP, OCC INT HB SCH, FOL 85-90 DEG TO C/A.
 ESSENTIALLY A QFB WITH SMALL FSPR PHENOS, RES A QDF.
 V C GR, PINK.
 AS ABOVE.
 FN GR, MD TO D GREY, INT HB SCH, LAUM IN FRA, FOL 80 DEG TO C/A.
 LT GREY, M, PORP, OCC RDSH ZONES, LCLY FRAC, OCC PEG STR.
 FN GR, D GREY, OCC GRNC STR.
 AS ABOVE, SL RDSH, SHEARED.
 D GREY GRE, FN TO C GR, FRAC, CON 30 DEG TO C/A.

13M
 13D
 13D
 8C
 13B
 13B/8
 13M
 13B
 7
 8C
 13M
 7
 13M
 7
 13M
 7
 13M
 8C
 3F
 8D
 7
 8D
 8D
 8D
 6A
 8D
 5
 8D
 5
 7

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	.0	

HOLE-ID: S-328

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-60.5
400.0	240.0	-59.0
600.0	240.0	-58.0

HOLE-ID: S-328

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
63.0	64.0	.03	.02	.01	.00
64.0	65.0	.01	.01	.01	.00
147.0	149.0	.05	.01	.01	.00

HOLE-ID: S-328

PC-XPLOR VERSION 1.00
Exploration Data Manager
B MEMCOM SERVICES INC.

NORANDA INC. - GECO DIVISION
FARIES LAKE EXPLORATION PROGRAM

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149.0	153.0	.01	.01	.00	.00
159.0	160.0	.04	.00	.00	.00
166.5	168.0	.22	.00	.00	.00
168.0	172.0	.05	.00	.01	.00
172.0	176.0	.04	.01	.00	.00
176.0	178.0	.06	.00	.00	.00
178.0	180.0	.06	.01	.02	.00
180.0	182.0	.03	.01	.01	.00
182.0	187.0	.02	.00	.04	.00
187.0	190.0	.03	.02	.03	.00
190.0	194.0	.02	.01	.04	.00
194.0	197.0	.16	.00	.05	.00
197.0	199.0	.08	.01	.03	.00
281.0	283.0	.01	.01	.04	.00
352.5	354.5	.02	.01	.03	.00
357.0	358.0	.02	.00	.05	.00

 9/12/87

FARIES LAKE PROJECT
 DIAMOND DRILL HOLE LOG

HOLE-ID: S-329
 START DATE: 06/05/87
 CORE SIZE: BQ
 EASTING: 4113.1
 HOLE LENGTH: 712.0
 AREA: 86-1

COMPLETED: 11/05/87
 LOGGED BY: GAGNON
 NORTHING: 1561.3
 ELEVATION: 1094.6
 PURPOSE: TEST DOWNDIP MINERALIZATION

John Gagnon

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	5.0	OVERBURDEN	CASING TO 12'.	C
5.0	21.0	ANOR	C GR, WHITE TO PALE GRE, PLAG WITH 'WAXY' LUSTRE, MN INT HB SCH.	20F
21.0	70.0	DIABASE	FN TO C GR, D GREY, DISC CONS 30 DEG TO C/A.	7
70.0	92.0	ANOR	AS ABOVE, OCC BANDS HB SCH, CHL BIO SCH, HB FSPR GN.	20F
92.0	93.0	QTZ FSPR HB BIO CHL GN	FN TO MD GR, WELL FLD, LCLY V FN GR WITH 'CHERTY' APPEARANCE.	13M
93.0	96.0	QFHB	FN TO MD GR, D GREY GRE, MN MN PY.	13M
96.0	98.5	ANOR	V C GR, WHITE, OCC REMS BIO CHL SCH.	20F
98.5	99.5	QFB	D GREY, MD GR, M, SL PORP, RES QDF, IRR CONS WITH ANOR.	8E
99.5	104.5	ANOR	MOTTLED, OCC INT QFB, BIO CHL SCH, MN QTZ STR, MN GAR, MN SER?	20F
104.5	109.0	ANOR	WHITE TO PALE GN SH, V C GR, MAINLY M FSPR, MN BANDS HB SCH.	20F
109.0	127.5	ANOR	LT TO D GREY, MOTTLED, NUM BANDS HB CHL BIO SCH.	20F/13C
127.5	128.5	QDF		3F
128.5	129.0	ANOR	AS ABOVE.	20F
129.0	130.0	CHL BIO SCH	MD TO C GR, D GRE, WITH FN BIO WISPS.	8C
130.0	131.0	QDF	OCC BL FRA, INT HB SCH.	3F/13A
131.0	139.5	HB SCH	D GRE, FN TO C GR, LCLY IS HB FSPR GN, OCC ANOR, LCLY LAMINATED.	13AB/20
139.5	147.5	HB FSPR CHL GN	C GR, D GRE, OCC QTZ STR, OCC ANORC STR.	13C
147.5	162.0	ANOR	MOTTLED, C GR, LT GREY TO D GRE, LCLY 3-5% PO, PY.	20F
162.0	163.0	HB SCH	FN GR, D GRE, SL CLC, M, HOMOG, 2-3% DISS PY.	13A
163.0	170.0	ANOR	A/A	20F
170.0	171.0	HB BIO CHL SCH	FN GR, D GRE, QUITE SCHISTOSE.	13C
171.0	174.0	ANOR		20F
174.0	175.0	MAFIC DIKE	V FN GR, D GREY TO BLK, SHARP CONS.	3/13?
175.0	191.5	ANOR	MOTTLED, OCC INT HB SCH, MN DISS PY, LCLY CLC, OCC BIO BAND.	20F/13A
191.5	196.0	HB CHL SCH	FN GR, INT ANORC BANDS, LCLY RES QFB, LOCAL S-FOLDS.	13C/20
196.0	226.5	ANOR	MOTTLED, MD GREY TO GN SH, WHITE PLAG, LCLY CLC/BIOITIC.	20F
226.5	250.0	QFHB	FN GR, D GRE, MAINLY HB, LESSER BIO, LCLY BANDED 75 DEG TO C/A.	13M
250.0	253.0	QFB	C GR, MD GREY, MN TO LESSER HB, OCC GAR TO 1/2".	8EJ
253.0	257.5	CHL BIO SCH	D GRE, C GR, FOL 75 DEG TO C/A, INT ANOR, LOCAL ILMENITE.	8C/20
257.5	273.0	ANOR	V C GR, M, MOTTLED GRE & WHITE, ABN BIO CHL BANDS.	20F
273.0	274.0	HB SCH	FN GR, D GRE.	13A
274.0	275.0	HB SCH GRNZ	C GR, RDSH, NUM EPI STR, M CAL VEIN 2" WIDE.	13A
275.0	292.5	HB FSPR GN	FN TO MD GR, D GRE, M LCLY WELL BANDED, SL SERC?, ANOR STR.	13A
292.5	296.0	GOUGE	H ALT, FRAC, BL, KSPAR EN.	G
296.0	301.0	QFHB	FN GR, BLKSH, LCLY BL, LCLY GRNZ, ABN SERC WISPS, 3-5% DISS PY.	13M
301.0	321.5	HB FSPR BIO GN	FN TO MD GR, HOMOG, BL HRLN FRA, FOL 80 DEG TO C/A, MN PY, CPY.	13B
321.5	327.5	HB FSPR GN	MN BIO, CHL, C GR, D GRE, LCLY SILT, MN TO 1/4 PO, PY, BLESS CPY.	13B
327.5	334.0	HB SCH	FN GR, D GRE, LOCAL QTZ FSPR STR, CLC, OCC BIO BANDS.	13A

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334.0	340.0	CHL BIO SCH	C GR, D GRE, ABN BIO CLOTS, LCLY SILF WITH BLEBS OF CPY.	8C
340.0	354.0	HB SCH	FN GR, D GRE, M, CLC, LOCAL INT QFB, MN CAL FILLED FRA.	13A/8
354.0	354.5	QUARTZITE?	FN GR, MASSIVE, WHITE.	8M
354.5	355.5	HB FSPR BIO GN	CLC, MD GR, D GRE, SOME INT QFB, FOL 70 DEG TO C/A.	13B/8
355.5	356.0	QFB	C GR, MN GAR, RES A QDF.	8EJ
356.0	362.0	HB FSPR GN	D GRE, FN TO MD GR, CLC, MASSIVE, MN PO, CPY, POSS ALT GABBRO.	13B
362.0	367.0	HB FSPR GN	AS ABOVE BUT C GR, V CLC, OCC BIO CLOTS, 1-3% PO, CPY BLEBS.	13B
367.0	368.0	QFB	C GR, INT HB SCH, V SL PORP, RES Q QDF.	8E/13A
368.0	375.0	HB SCH	FN GR, D GRE, M, WK TO WELL FLD, INT QFB & CHL BIO SCH.	13A
375.0	376.0	SILF ZONE	FN GR, LT GREY, HB SCH REMS.	SIL Z
376.0	381.0	HB SCH	FN GR, M, D GRE, LOCAL QTZ FSPR STR, MN INT QFB, SL CLC.	13A/8
381.0	388.5	HB SCH	V FN GR, D GRE, CLC, NO FOL, 1-3% PO, CPY, LCLY 5%.	13A
388.5	390.0	CHL BIO SCH	INT QFB	8C/8D
390.0	392.5	HB FSPR GN	RES GABBRO, MD GR, D GRE, M, WK FLD, 2-3% DISS PO, CPY.	13B
392.5	393.0	QUARTZITE?	M, V FN GR, LT GREY.	8M
393.0	397.0	HB FSPR BIO GN	CLC, D GRE, MD GR, M TO WELL BANDED, NUM THIN INT QFB.	13B
397.0	403.5	QFB	MD GREY, FN GR, BANDED 80 DEG TO C/A, LCL M GAR, INT HB FSPR GN.	8EJ/13B
403.5	414.0	IRON FM	SIL, V WELL LAM, H MAGC, LT TO D GREY, V FN GR, LCLY 5-10% PY.	10A
414.0	417.5	MAFIC DIKE	C GR, D GRE, M HB, MODLY CLC.	13
417.5	426.0	IRON FM	AS ABOVE.	10A
426.0	428.0	IRON FM?	SIL, LESS WELL BANDED, NOT MAGC, MAG MISSING?	10A
428.0	445.5	QFH		8T
445.5	455.0	IRON FM?		10A
455.0	465.5	QFH/HB SCH	SAME AS 426-428.	13A/8
465.5	466.5	QDF.	LCL INT QFB, LCLY CLC, SILF, MN QTZ FSPR STR, WK MAGC.	3F
466.5	483.0	HB FSPR GN	FN TO MD GR, D GRE, M, OCC SIL BANDS, MN INT QFB, TR SULPH.	13B/8D
483.0	485.0	QFB	FN GR, MD GREY, M, SMALL HB CHL CLOTS, SHARP CONS RES QDP.	8D
485.0	487.5	BRC ZONE	SILF BANDS, ABN CAL FILLED FRA, 3-5% PY.	BRC Z
487.5	492.0	INT QFB & HB FSPR GN	SL SHEARED, V CALC, 2-3% DISS PY.	8D/13B
492.0	494.0	CL BIO SCH	MD GRE, C GR, V SCHISTOSE, POSS SHEAR ZONE, PEG STR AT CONS.	8C
494.0	505.0	HB FSPR GN	LCL INT QFB OR QDF, BL HRLN FRA, TR SULPH, MN PEG.	13B/8
505.0	507.0	QFB	RES QDF, DISC CONS 40 DEG TO C/A, FOL IS 80 DEG.	8E
507.0	509.0	HB SCH	3% PY FROM 507.0-507.5.	13A
509.0	511.0	QFB	RES QDP, 4" PEG AT UPPER CON, CONS APPEAR CONC.	8DE
511.0	517.0	HB FSPR GN	ABN TINY WHITE FSPR GRAINS, MN INT QFB, MN QTZ STR.	13B
517.0	519.0	QDF	AS ABOVE.	3F
519.0	522.0	HB FSPR GN		13B
522.0	524.0	QDF	QTZ FSPR VEIN WITH 10% PO, MN CPY, 2-3% PO, PY AT 543.5-544.5.	3F
524.0	567.5	HB SCH		13A
567.5	568.0	QDF		3F
568.0	570.5	HB SCH	LCLY BL WITH EPI ALTERATION.	13A
570.5	581.0	HB FSPR GN	D GREY GRE, MD GR, M, MN BL HRLN FRA, TR PY, FOL 80 DEG TO C/A.	13B
581.0	583.0	PEGMATITE	V C GR, WHITE TO LT GREY, M, SCATTERED GAR.	6
583.0	628.5	HB SCH	FN GR, D GRE, M, MN SULPH, 10% PO, 1% CPY AT 592.5-593.0.	13A
628.5	631.5	QDF	CONS CONC.	3F
631.5	635.0	HB SCH	LCLY BL.	13A
635.0	699.0	GRANITE	MD GREY, C GR, M, FSPR PORP, SL RES QDF, CCC PEG STR.	5
699.0	703.0	PEGMATITE	V C GR, PINK, GARN.	6AJ
703.0	712.0	GRANITE	AS ABOVE.	5

MAJOR UNIT

FROM TO MAJOR UNIT

9/12/87

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-59.0
400.0	240.0	-61.5
600.0	240.0	-61.5

HOLE-ID: S-329

ASSAY DATA

HOLE-ID: S-329

FROM	TO	CU%	ZN%	AG opt	AU opt
153.5	154.5	.02	.02	.02	.00
162.0	163.0	.03	.02	.02	.00
291.5	292.5	.03	.01	.00	.00
292.5	294.5	.00	.02	.01	.00
294.5	296.0	.01	.02	.02	.00
296.0	301.0	.02	.01	.00	.00
318.5	319.0	.03	.01	.02	.00
319.0	321.5	.01	.02	.00	.00
321.5	325.0	.05	.00	.01	.00
325.0	327.5	.06	.00	.01	.00
337.5	338.0	.06	.00	.01	.00
356.0	359.0	.06	.00	.02	.00
359.0	362.0	.03	.00	.00	.00
362.0	367.0	.04	.00	.01	.00
381.0	384.0	.06	.00	.00	.00
384.0	388.5	.11	.01	.02	.00
388.5	390.0	.01	.00	.00	.00
390.0	392.5	.19	.00	.03	.00
403.5	407.0	.04	.01	.00	.00
407.0	411.0	.00	.00	.00	.00
411.0	414.0	.00	.01	.01	.00
414.0	417.5	.00	.01	.03	.00
417.5	421.5	.00	.01	.03	.00
421.5	426.0	.01	.01	.01	.00
426.0	428.0	.01	.01	.00	.00
445.5	450.0	.01	.00	.01	.00
485.0	487.5	.01	.03	.04	.00
487.5	492.0	.02	.00	.03	.00
492.0	494.0	.02	.01	.03	.00
507.0	507.5	.03	.02	.00	.00
543.0	543.5	.06	.01	.00	.00
543.5	544.5	.02	.02	.01	.00
592.5	593.0	.09	.01	.02	.00
593.0	593.0	.01	.01	.00	.00

9/12/87

148.5	HBL SCH	F GR, D GRE, SMALL GRNC DYKES, STR, 1% PY BLEBS ASS WITH G DYKES	13A
149.5	CL SCH	M TO C GR, MD GRE, RDSH KSPR EN STR, 2 INCH GRNC DYKE	13D
151.0	HBL SCH	VF GR, D GRE, 1 LRG BLEB OF PY, MN QTZ STR, TR SULPHIDES	13A
151.5	HB FSPR GN	MD GR, D GRE, M, FSPR PORT, LCL CLC BANDS WITH RDSH KSPR	13B
154.0	HB FSPR GN	C GR, LCLY CLC, LCLY KSPR EN, LAUM AND CALCITE IN FRAC, TR SUL	13B
157.0	QFB	FN GR, M, HOMO, OCC FRA WITH LAUM AND CAL	8D
158.0	H BL ZONE	F GR, M, PALE GREY, GRE, H CLC, OCC CAL VEIN, H CALC THROUGHOUT	BZ
160.0	HB SCH	LCLY CLC, MN QTZ STR.	13A
164.0	HB FSPR GN	SL PORP, SAME AS 151.5-154.0.	13B
165.0	HB FSPR GN	INT HB SCH, OCC BRNSH SERC BANDS, LCL LAUM & CAL IN FRA.	13B
170.5	BL ZONE	FN GR, LT GRE, CLC.	BZ
172.5	HB SCH	TYP, FN GR, D GRE, M, MN QTZ FSPR STR, MN BLEBS CPY.	13A
176.0	CHL BIO SCH	MN GRNC STR, OCC BL HRLN FRA, MD TO C GR, FOL 75-80 DEG TO C/A.	8C
179.5	GRANITE DIKE.		5
180.5	CHL BIO SCH	AS ABOVE.	8C
181.5	CHL BIO SCH	FN GR, D GRE HB SCH FRAGS, IN A PORP GRNC GRND MASS.	21B
182.5	FRAGMENTAL	FN TO MD GR, D GRE, CLC, LCL BIO BANDS, V MN SULPH.	13A
182.5	HB SCH	FN GR, D GRE, M, NO BANDING, RES A BIO GN.	8D
199.0	QFB	FN TO MD GR, D GRE, BRN BIO/SER BANDS, FOL 85 DEG TO C/A.	13B
203.0	HB BIO (SER) FSPR GN	FN GR, D GRE, M.	13A
205.5	HB SCH	FN TO MD GR, GRE TO BRNSH, SCHISTOSE.	8C
208.0	BIO CHL SCH	FN GR, D GRE, M, BL HRLN FRA, LCL CLC/BIOITIC BANDS.	13B
210.5	HB FSPR GN	SAME AS 208.0-210.5.	8C
214.5	BIO CHL SCH	FN GR, M, D GRE TO BLK.	13A
218.5	HB SCH	MD TO C GR, LCLY BANDED, LCLY APPEARS FRAGMENTAL, MN BLEBS PY.	13B/21
220.5	HB FSPR GN	FN G, D GRE, WITH BRNSH STREAKS, M, SCHISTOSE 85 DEG TO C/A.	13A
226.0	HB BIO SCH	NUM TINY WHITE FSPR GRAINS, CCC QTZ FSPR STR, LCLY CLC.	13B
230.0	HB FSPR GN		8/4
231.5	HB FSPR GN	MD GR, D GRE, ABN FN WHITE FSPR GRAINS, LCL EPI, MN QTZ STR.	13B
231.5	QFB/BIO GN	D GREY GRE, FN D GRE 'LENSES' IN A DARKER GREY QFH GRND MASS.	21B
235.0	HB FSPR GN	WHITE, LCLY PINK, LCL EPI, CONS 40, 80 DEG TO C/A.	6B
240.0	FRAGMENTAL?	FN GR, D GRE TO BLK MAFIC LENSES, QFH MATRIX, OCC FSPR PORPHS.	21B
241.0	PEGMATITE	FN GR, D GRE, M, LCLY C GR, CCCLY CLC, FOL 85 DEG TO C/A.	13A
244.0	FRAGMENTAL	FELSIC FRAGS IN A FN GR, D GRE HB SCH MATRIX, FRAGS FLATTENED.	21A
250.5	HB SCH	WHITE, M, SOME INCLUDED MAFIC MATERIAL, CONS 40 DEG TO C/A.	6Z
250.5	HB SCH	M, C GR, V POORLY DEV, MN DISS PY.	13C
264.0	FRAGMENTAL	LOOKS LIKE FRAGMENTAL, V VAGUE, OCC BL HRLN FRA, MN P, PY.	8T
269.0	QTZ VEIN	C GR, MD GREY, FSPR PORP, M, OCC REMS, MN BLEACHING.	5
269.5	HB CHL SCH		13A
270.5	HB CHL SCH		13A
270.5	QFH		21A
286.0	GRANITE		5
288.0	HB SCH		13A
288.5	HB SCH		13A
289.5	HB SCH		21A
289.5	FRAGMENTAL	FELSIC FRAGS IN A MAFIC GRND MASS, LCL MAFIC FRAGS.	5
307.0	GRANITE	SAME AS 286-288.	13A
308.5	FRAGMENTAL		13A
309.5	BIO GN	AS ABOVE.	5
311.5	FRAGMENTAL	V FN GR, D GREY, M.	21A
318.5	FRAGMENTAL	AS ABOVE, NUM FSPR PORPHS.	4
324.0	FRAGMENTAL	FN GR, D GRE, M, LCLY WITH FSPR PORPHS, LCLY BIOTITIC.	21A
324.0	FRAGMENTAL	WELL BANDED, H STRETCHED FRAGS, TR TO MN PY, MN QTZ STR.	13A
369.0	HB FSPR GN	MD GR, D GRE, FOL 70 DEG TO C/A, MN QTZ STR, MN TO 1% DISS PY.	21
376.0	QFB	PORP, RES QFB.	13B
378.5	HB FSPR GN	AS ABOVE.	8E
380.5	FRAGMENTAL	AS ABOVE.	13B
387.5	FRAGMENTAL	AS ABOVE.	21
388.5	FRAGMENTAL	AS ABOVE, H SILF, BUFF COLOURED.	21
388.5	FRAGMENTAL	AS ABOVE.	21
390.5	FRAGMENTAL	V FN GR, LCLY MD GR, D GRE, LCLY BL, OCC FSPR PORPHS.	13A
395.0	HB SCH		

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395.0	402.0	FRAGMENTAL	AS BEFORE, SIL FRAGS, MAFIC MATRIX, FSPR PORPHS, LCLY CLC.	21A
402.0	403.0	HB SCHIST	FN GR, D GRE, POSS DIKE.	13A
403.0	410.5	FRAGMENTAL	H SIL, MN TO 1% PY LAMINAE.	21A
410.5	411.5	HB SCH	FN GR, D GRE, POSS DIKE.	13A
411.5	414.0	HB FSPR GN	MD GR, GREYISH GRE, M, LCLY 1-3% DISS PY.	13B
414.0	416.0	FRAGMENTAL		21
416.0	417.0	FRAGMENTAL	H SIL FRAGS, WHITE, FN GR, D GRE MATRIX, RES A QPC.	21
417.0	426.0	HB FSPR GN	FN GR, D GRE, M, FOL 80 DEG TO C/A, MN QTZ STR.	13B
426.0	428.0	QFB	FN GR, RES QDP.	8D
428.0	437.0	HB FSPR GN	SAME AS 417-426.	13B
437.0	446.5	HB SCH	V FN GR, D GRE, M, MN BL HRLN FRA.	13A
446.5	453.5	FRAGMENTAL?	WHITE, M, WITH MAFIC STR, BANDS, LENSES, LCL PY LAM.	21A
453.5	454.0	FRAGMENTAL?	AS ABOVE, 5% PY, PO, TR CPY.	21A
454.0	456.5	HB SCH	FN GR, H BL, DISC CONS 30 DEG TO C/A, PROB DIKE.	13A
456.5	463.0	QDF	LT GREY, M, C GR, LCLY BL WITH PY, DISC CONS 60 DEG TO C/A.	3F
463.0	468.5	HB FSPR GN	C GR, D GRE, ABN FSPR PORPHS, POSS FRAGM, LCLY 2-3% PY, PO.	13B
468.5	476.0	MAFIC DIKE	D GREY GRE, HBLE SCH WITH SOME BIO, DISC CONS 30 DEG TO C/A.	13A
476.0	476.5	QDF		3F
476.5	485.5	HB FSPR GN	C GR, D GREY GRE, LCLY BL, ABN FSPR EYES, VAGUELY FRAGMENTAL.	13B
485.5	494.5	HB FSPR GN	FN GR, LCLY MD GR, D GRE, ABN WHITE FSPR GRAINS, LCLY 1% DISS PY.	13B
494.5	521.0	HB FSPR GN	SAME AS 476.5-485.5, OCC BL HRLN FRA, INT HB SCH.	13B
521.0	523.0	HB SCH	FN GR, D GRE, CONS CONC 85 DEG TO C/A.	13A
523.0	528.0	HB FSPR GN	SAME AS 476.5-485.5.	13B
528.0	529.0	HB SCH	LT GREY GRE, H BL, MN QTZ STR.	13A
529.0	541.0	HB SCH	FN GR, D GRE, NUM FSPR EYES, LCLY SL BL, MN QTZ STR WITH PY.	13A
541.0	546.0	QDF		3F
546.0	548.5	HBL SCH	VF GR, D GRE	13A
548.5	550.0	HB FSPR GN	FSPR EYES	13B
550.0	552.5	IF	SIL, F GR, D GREY, H MAG, SL CONTORTED BANDING, UP TO 5% DIS PO	10A
552.5	555.5	QDF		3F
555.5	559.5	IF	A/A, OCC <1% PY STR, BANDS	10A
559.5	560.0	QDF		3F
560.0	565.0	IF	A/A, LCLY NM MAG, MN PY, PO STR	10
565.0	567.0	HB FSPR GN	SILF, V SL MAGC, NUM QTZ STR, UP TO 10% PO STR	13B
567.0	572.5	QDF	IRR BUT SHARP CONS	13B
572.5	574.0	QFH	FN TO MD GR, LT GREY TO DRK GREY, CONTORTED BANDING	8T
574.0	575.0	HBL SCH	FN GR	13A
575.0	578.0	FRAGMENTAL	VF GR, LT GREY, RES QTZITE, SMALL D MA LENSES, OCC BL HRLN FRA	21A
578.0	580.0	QFH	MD GR, MD TO LT GREY, FOL 80DEG, SL CONTORTED	8T
580.0	581.0	FRAGMENTAL	MA FRAGS IN A MD GREY FELSIC MATRIX	21B
581.0	582.0	HB FSPR GN		13B
582.0	583.0	FRAGMENTAL		21B
583.0	585.0	IF	A/A	
585.0	586.0	FRAG	MODLY TO H MAG, SIL WITH OCC HBL BANDS, LOCAL PO STR, OCC QTZ STR	10A
586.0	588.0	QFH	A/A, MAFIC FRAGMENTS, FELSIC MATRIX	21B
588.0	590.0	QFH	MD GR, MD GREY TO GRE, WK BANDED 85DEG, TR SULPH, BLG ABOUT FRAC	8T
590.0	592.5	IF	A/A, 5-10% PY, PO	8T
592.5	593.5	HB FSPR GN,	H MAG, NM BANDS OF MAG, INT HBL RICH BANDS, LCL PY, PO STR	10
593.5	595.0	HBL SCHIST	FSPR EYES, VAGUELY FRAG	13B
595.0	603.5	HB FSPR GN	D GRE, M, FOL 80DEG	13A
603.5	605.5	MA DYKE	FN TO MD GR, M TO D GREY TO GNSH, LCL FRAC, ABN FSPR EYES	13B
605.5	631.0	QFH TO HB FSPR GN	V FN GR, D GREY, SHARP CONS	13B
621.0	638.0	HBL SCH	MD TO C GR, BANDED AT 75DEG, ABN FSPR EYES, LCLY SL BL, PEGC STR	8T/13B
638.0	646.5	QFH	DYKE?, VF GR, D GRE, M, OCC BIOTITIC KNOTTS, MN GRNC STR + SILIC	13A
			ABN FSPR EYES	8T

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RES	IF	W MAG, H SIL, WELL BANDED, OCC PY STR, LCL HBL RICH BANDS	10?
646.5	RES IF		
650.0	HBL SCHIST	FN GR, D GRE, M, SL BL	13A
651.0	HBL SCH?	BL, CLC, MD GR, SL GRNZ, MIN TO 1% OIS SUL, PY, SCS 50DEG	13A?
654.5	HBL SCHIST	FN GR, D GRE, M, MN SMALL QTZ STR, LCLY WITH TINY WHITE SILC XTAL	13A
671.0	QFH TO HBL FSPR GN	FSPR EYES, SL BL, TR PY	8T/13B
674.5	M QTZTE	FN GR, M, PINK, SL FRAC	8M
675.5	HB FSPR GN AND QFM	PEGC STR AND VEINS, LCLY WELL BAND AND SIL, LCLY H CLC, CAL VEIN	13B
685.0	BRC ZONE,	ABN EPI STR, H SIL, BANDED	BRC Z
686.5	PEGMATITE	FN GR, PALE PINK, DISC CONS	6A
687.0	HB FSPR GN	FSPR EYES, SIL BANDS WITH MN DISS PY	13B
687.5	QDF	BLEACHED	3F
689.0	HBL SCH	FN GR, D GRE, LCL QTZ FSPR STR, MN PY	13A
694.5	IF	SIL, V WELL BANDED, H MAG, LCL FRAC-WITH CAL STR, 5-10%PY, 20%PO	10
724.5	RES QDP	FN GR, LT GREY, M, DISC CONS, SCAT MA LENSES GIVE A PLATTY LOOK	3P
726.5	IF	A/A, OCC PY VEINS	10A
730.5	HBL SCH	FN GR, D GRE	13A
733.5	HB FSPR GN	MD TO C GR, WK BANDED 80DEG	13B
736.0	HBL SCH	F GR, D GRE, TR PY, MN PEGC STR, LCL CALC STR, MN QTZ, LCL BL	13A
749.0	MA DYKE	VF GR, D GREY, M, HOMO, DISC CONS	13?
750.5	HBL SCHIST	A/A, ABN LRGE QTZ VEINS	13A
751.0	MA DYKE	FN GR, D GRE, LCLY WITH FN WHITE SILC MINERAL, LCLY BL, MN QTZ	ST13A
753.0	HBL SCH	LCLY HB SCH, MOD BL, LCLY EPI ALT, FOL 85DEG, MN QTZ	13B
762.5	HB FSPR GN	MD TO C GR	13B
776.0	HB FSPR GN	BL, ABN EPI STR AND VEINS	13B
779.5	HB FSPR GN	VF GR, D GRE	13A
781.0	HBL SCHIST	H BL, ABN EPI STR, TR PY	13A
784.0	HBL SCHIST	H BL, ALT AND GRNZ QFB, LT TO D GRE, FN GR, OCC EPI AND CAL STR	8
785.5	ALT QFB	LCL QTZ STR, LCLY BL, CCC CLC BANDS, FOL 70 DEG	13A
790.5	HBL SCHIST	UP TO 10% PY BLEBS AND STRINGERS	13A
797.0	HBL SCH	LCLY BL	13A
799.0	HBL SCHIST	FN GR, D GRE, ABN FN WHITE SILC XTALS	13A
806.0	HBL SCHIST	QTZ STRINGERS, VW BANDED, LCL CHERTY APPEARANCE	13A
812.0	HBL SCH	LCLY BL	13A
812.5	HBL SCH	LCLY SL BL, MN QTZ FSPR STR, MD GR, D GRE, WK TO WELL BANDED, 80DEG	13B
815.5	HB FSPR GN	SAME AS 806-812	13A
826.0	HBL SCH	MD TO C GR, D GRE, FOL 80DEG	13B
830.5	HB FSPR GN	C GR, PINK, V MN GAR, TR PY	6A
842.0	PEGMATITE	PEGC VEINS, LCLY 5% PY BLEBS	13B
843.0	HB FSPR GN	VC GR, PINK, OCC REMS	5A
844.0	HB FSPR GN		13A
846.0	PEGMATITE		13B
847.0	HBL SCHIST	ABN QTZ STR, MODLY BL, WELL BANDED 75 DEG, LCLY 5% PY	13B
849.5	HB FSPR GN	LCLY VARIES TO HB FSPR GN, QTZ VEINS, LCLY 1-2% PY	13AB
858.5	RES QDF	OCC QTZ VEINS	3F
859.5	HBL SCHIST	FN GR, D GRE, MN QTZ STR, CCCLY WITH WHITE SILC XTALS	13A
866.5	RES A M QTZITE,	F GR, REDDISH TO WHITISH, CONS APPEAR CONC	8M
867.0	HBL SCHIST	FN GR, D GRE, M, OCC SMALL QTZ STR	13A
871.0	QDF		3F
872.0	HBL SCHIST	MN FSPR EYES	13A
874.0	RES A M QTZITE	SAME AS 866.5-867.	8M
874.5	HB FSPR GN,	MD GR, LOCAL CALCITE KNOTS, W BANDED 80DEG, W TO M BL	13B

MAJOR UNIT

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FROM TO MAJOR UNIT
 .0 .0

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-61.5
400.0	240.0	-61.5
600.0	240.0	-60.0
800.0	240.0	-60.0

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ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
96.0	97.5	.08	.02	.00	.00
122.0	123.5	.02	.00	.00	.00
123.5	124.0	.01	.00	.00	.00
124.0	125.5	.02	.00	.00	.00
125.5	126.5	.04	.01	.02	.00
128.5	129.0	.02	.00	.03	.00
137.0	138.0	.04	.01	.04	.00
138.0	139.0	.10	.03	.03	.00
148.5	149.5	.02	.00	.01	.00
366.5	367.0	.01	.00	.00	.00
372.0	373.5	.01	.00	.02	.00
403.5	405.0	.00	.00	.00	.00
452.0	453.5	.01	.00	.02	.00
453.5	454.0	.22	.03	.02	.00
459.5	460.0	.06	.05	.03	.00
463.5	465.0	.04	.02	.02	.00
488.5	490.0	.03	.02	.01	.00
550.0	552.5	.03	.00	.01	.00
555.5	560.0	.05	.01	.02	.00
560.0	565.0	.02	.01	.00	.00
565.0	567.0	.04	.00	.03	.00
583.0	585.0	.03	.01	.03	.00
588.0	590.0	.04	.00	.02	.00
590.0	592.5	.03	.00	.02	.00
646.5	650.0	.01	.00	.01	.00
651.5	654.5	.02	.00	.03	.00
693.0	694.5	.01	.01	.02	.00
694.5	697.5	.06	.01	.04	.00
697.5	699.5	.07	.01	.07	.00
699.5	704.5	.05	.00	.04	.00
704.5	709.5	.02	.01	.02	.00
709.5	714.5	.01	.00	.02	.00
714.5	719.5	.01	.01	.03	.00

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719.5	724.5	.01	.00	.02	.00
724.5	726.5	.01	.00	.03	.00
726.5	730.5	.04	.00	.02	.00
797.5	799.0	.15	.01	.11	.00
843.5	844.0	.04	.01	.04	.00
847.0	849.5	.02	.01	.02	.00
857.5	858.5	.03	.00	.02	.00

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FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John Gagnon

HOLE-ID: S-330 START DATE: 12/05/87 COMPLETED: 17/05/87 LOGGED BY: GAGNON

CORE SIZE: 8Q EASTING: 2276.3 NORTHING: 4441.1 ELEVATION: 1003.0

HOLE LENGTH: 877.0 AREA: 86-1 PURPOSE: TEST NORTH EXTENT OF IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	44.0	OVERBURDEN, CASING.		
44.0	46.0	FRAGMENTAL	LT FELSIC FRAGS IN A QTZ FSPR HB GRND MASS; MAY BE BOULDERS.	21A
46.0	47.5	CHL SCH	FN GR, LT GRE, MN QTZ STR.	13D
47.5	52.0	QFB	MD TO C GR, MD GREY, MN INT HB SCH, WKLY RES QDF.	8E/13A
52.0	57.0	HB SCH	FN GR, D GRE, MN INT QFB, M, FOL 80 DEG TO C/A.	13A/8
57.0	59.5	ANOR	V C GR, D GRE TO WHITE, OCC CLC BANDS, SOME INT HB SCH.	20F/13A
59.5	60.0	QFB	FN GR, LT GREY, M, SL BL, RES QDP.	8D
60.0	62.5	ANOR	AS ABOVE.	20F
62.5	63.0	QFB	WITH HB, SL PORP, RES QDF.	8E
63.0	64.0	CHL BIO SCH	FN GR, D GRE, SCHISTOSE.	8C
64.0	67.0	ANOR	AS ABOVE.	20F
67.0	68.0	HB SCH	AS ABOVE.	13A
68.0	69.0	ANOR	AS ABOVE.	20F
69.0	71.5	HB SCH	AS BEFORE, LCLY IS MD GR HB FSPR GN.	13A/13B
71.5	72.5	CHL BIO SCH	MD GR, D GRE TO BRNSH, V SCHISTOSE AT 75 DEG TO C/A.	8C
72.5	73.5	HB SCH	OCC ANORC STR.	13A
73.5	75.5	CHL BIO SCH	AS ABOVE.	8C
75.5	78.0	ANOR	AS BEFORE, INT HB SCH, MN PY.	20F
78.0	79.0	HB FSPR GN AND SCH		13B
79.0	80.0	ANOR		20F
80.0	87.0	HB SCH	AS ABOVE.	13A/13B
87.0	88.0	BL ZONE	FN GR, D GRE, LCLY VARIES TO HB FSPR GN, QUITE CLC, MN PEG STR.	BZ
88.0	94.5	CHL SCH	V CALC, SOME EPI, CONS V SHARP, APPEARS DIKE LIKE.	13D
94.5	100.0	HB SCH	C GR, D GRE, FOL 80 DEG TO C/A, LCLY IS HB CHL SCH.	13A
100.0	110.5	HB FSPR GN	M, LCLY 1-2% DISS PY AND CPY, MN QTZ STR, CPY ALONG MARGINS.	13B
110.5	113.0	BL ZONE	MD GR, D GREEN TO GREY, LCLY WELL BANDED, V MN PY, TR CPY,	BZ
113.0	114.5	HB FSPR GN	NUM BL HRLN FRA, CAL STR AND VEINS; RDSH FSPR ABOUT CAL VEINS	13B
114.5	120.5	HB FSPR GN	MIN TO 1% DISS PY, CPY	13B
120.5	122.0	CHL SCH	SL BL, MN QTZ FSPR STR, LCLY SL RDSH KSPAR EN, CAL FRAC, TR SULPH13B	13D
122.0	123.5	HB FSPR GN	MD TO C GR, MD GR, LCLY WITH BIO	13B
123.5	124.0	QTZ VEIN	MD GR, D GRE, FOL 60-70DEG, MN TO 1% DIS SULPHIDES, PY, CPY	6Z
124.0	125.5	CHL SCH	M, WHITE, TRACE CPY, RDSH KSPR AT MARGINS	130
125.5	129.0	HB FSPR GN	LCLY BL, SILF, UP TO 1% DISS PY, CPY	13B
129.0	130.0	HB FSPR GN	M	13B
130.0	138.0	HB FSPR GN	MD GR, D GRE, LCLT SL BL, TR TO 1% PY, CPY	13B
138.0	139.0	GRN DYKE	CCR, M, MD GREY, SL PORP, CCC XENOLITHS, MN PY, CPY ALONG TINY FR5	13A
139.0	147.0	HBL SCH	AS BEFORE, FN GR, D GRE, OCC SMALL GRNC DYKES	5
147.0	148.5	GRN DYKE	SAME AS 138-139, CCNS OISC 40DEG,	

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NORANDA INC. - GECO DIVISION
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FARIES LAKE PROJECT

John Gagnon

DIAMOND DRILL HOLE LOG

HOLE-ID: S-331 START DATE: 18/05/87 COMPLETED: 22/05/87 LOGGED BY: GAGNON

CORE SIZE: BQ EASTING: 3713.0 NORTHING: 2004.1 ELEVATION: 1073.9

HOLE LENGTH: 745.0 AREA: 86-1 PURPOSE: TEST IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
10.0	10.0	CASING		C
10.0	25.5	HB FSPR SCH	INTERMEDIATES, F TO C GR, LCLY HCLC, FOL 70 DEG, LCC AN STR, PY B13B	20F
25.5	27.0	ANORTHOSITE	WHITE TO LT GREY, VC GR, MOTTLED-TEXTURE	20F
27.0	28.0	HBL SCHIST	FN GR, D GRE	13A
28.0	29.0	ANORTHOSITE		20F
29.0	30.0	HB FSPR GN	MD GR, D GRE, LCL FSPR EYES	13B
30.0	32.5	HBL SCHIST	NUM ANORC STR, LCLY CLC, OCC QTZ STR, MN PY BLEBS	13A
32.5	34.0	ANORTHOSITE	MOTTLED, C GR, OCC HBL SCH REMS, MN QTZ VEINS	20F/13A
34.0	39.0	HB FSPR GN	C GR, D GRE, POORLY BANDED, LCL BANDS HBL SCH, MN QTZ STR, AN STR13B	20F
39.0	50.0	ANORTHOSITE	C GR, LT GNSH TO DRK GRE, MTLD, OCC HBL SCH BANDS, LCL CPY, PY ST20F	13B
50.0	54.5	HB FSPR GN,	MD GR, M, HOMO, NUM FSPR EYES	13A
54.5	58.0	HBL SCHIST	LCLY BL, NUM BL HRLN FRA, 3 INCH DIA DYKE, AN BANDS	13A
58.0	78.0	ANORTHOSITE	VC GR, WHITE TO MD GREY, M, LCLY M WHITISH, TR PY AND HBL SCH	20F
78.0	81.0	HBL SCHIST	FOL 70 DEG	13A
81.0	87.5	ANORTHOSITE	VC GR, WHITE TO MD GREY, M	20F
87.5	92.0	RES QFB	MD GREY, C GR, FSPR PORPHYRY OR EYES, LCLY BL, POSS QDF	87/32
92.0	94.5	HBL SCHIST	FN GR, D GRE, MN PY	13A
94.5	105.5	ANORTHOSITE	A/A	20F
105.5	107.0	CL SCHIST	M, FN GR, D GRE	13D
107.0	108.0	MA DYKE	FN GR, RES A QDF	20F
108.0	108.5	ANORTHOSITE		20F
108.5	109.5	HBL FSPR GN	FSPR EYES	13B
109.5	152.0	ANORTHOSITE	C TO VC GR, GREY TO WHITE TO GNSH, M, OCC BANDS HBL SCH, LCL QTZ	20F/13A
152.0	163.5	DIA	FN GR, MD GREY, CCNS 90DEG	7
163.5	175.5	ANORTHOSITE	A/A	20F
175.5	177.5	HB BIO SCHIST	F GR, D GREY, LCLY CLC, BANDS OF BROWNISH BIC	13A
177.5	186.0	HBL SCH	F GR, D GREY M	13A
186.0	193.0	ANORTHOSITE	MOTTLED, VC GR, M	20F
193.0	194.5	CLC SCHIST	CONTORTED, ABUNDANT QTZ AND AN STR, LCLY BL WITH CAL STR	13D
194.5	198.0	QFB	PORP, RESEMBLES QDF	8E
198.0	211.0	ANORTHOSITE	TYPICAL	20F
211.0	215.0	HBL SCHIST	VF GR, MN QTZ STR	13A
215.0	216.0	ANORTHOSITE		20A
216.0	226.5	HB FSPR GN	MD TO C GR, LCLY BIOTITIC, D GREY, FSPR EYES, MN BL HRLN FRA	13B
226.5	228.5	QDF		3F
228.5	230.5	QFB	SL PORP, OCC CLC BANDS, LCLY RES QDF	8E
230.5	232.0	ANORTHOSITE		20F
232.0	233.0	HBL SCHIST		13A

233.0 234.5 HB FSPR GN
234.5 235.5 ANORTHOSITE
235.5 241.0 INT HB SCH AND HFB GN
241.0 254.0 ANORTHOSITE
254.0 261.0 CL SCHIST
251.0 262.0 ANORTHOSITE
262.0 266.0 CLC SCHIST
266.0 275.0 HBL SCHIST
275.0 282.0 QFHB GN
282.0 284.0 HBL SCHIST
284.0 289.5 HB FSPR GN
289.5 292.5 QFB
292.5 300.5 ANORTHOSITE
300.5 303.0 ALTERED ZONE
303.0 306.0 ANORTHOSITE
306.0 308.5 HBL SCHIST
308.5 310.0 QFB
310.0 318.0 HB FSPR GN
318.0 319.0 QFB
319.0 321.0 HB FSPR GN
321.0 323.0 HB FSPR GN
323.0 334.0 HB FSPR GN
334.0 340.0 HB FSPR GN
340.0 342.0 ALT BL ZONE
342.0 350.0 DIA
350.0 352.0 ALT BL ZONE
352.0 359.0 H BL ZONE
359.0 360.0 FAULT GOUGE
360.0 365.5 HB FSPR GN
365.5 367.5 HB FSPR GN
367.5 372.0 HB FSPR GN
372.0 375.5 HB SCH
375.5 382.5 QDD?
382.5 383.5 QFB
383.5 392.0 QFB
392.0 399.0 IRON FM
399.0 400.5 QUARTZITE?
400.5 401.0 IRON FM
401.0 402.0 QUARTZITE
402.0 410.5 IRON FM
410.5 419.5 HB FSPR GN
419.5 424.0 QFH
424.0 426.0 HB FSPR GN
426.0 427.0 DIABASE
427.0 433.5 HB SCH
433.5 434.5 QDF?
434.5 435.5 HB SCH
435.5 437.0 PEGMATITE
437.0 447.0 HB FSPR GN
447.0 448.0 PEG
448.0 449.0 HB FSPR GN
449.0 450.5 IRON FM
450.5 456.0 IRON FM
456.0 458.5 HB SCH

CL BIOTITIC BANDS, OCC PORP QFB BANDS, MN QTZ STR, FOL 65-70 DEG. 13B
20F
FN TO C GR, D GRE TO GREY WITH BROWN BIO BANDS, ANORC STR, 50-70D. 13AB
20F/13A
TYPICAL, OCC BAND OF HBL SCH
C GR, MD GRE, QUITE SCS, SCZ 85-90DEG, LCL PEGC STR, MN PY 13D
20F
C GR, D GRE, QTZ FSPR AND AN STR, OCC BANDS RES QFB OR QDF 13D
VF GR, D GRE TO BLKSH, M, LCLY RDSH KSPR EN, LAUM IN FRA, LCLY CL13A
C GR, POORLY BANDED, D GREY TO GRE, BROWN BIO BANDS, LCL ANOR STR13M
VF GR, M, POSS DYKE 13A
A/A, LCLY BIOTITIC BANDS, OCC QTZ STR, SL RES MOTTLED AN 13B
F GR, MD GREY, M, MN BL HRLN FRA, OCC CLC BANDS 8D
MOTTLED, OCC REMS OF HBL SCH, QTZ STR, LCLY BIOTITIC 20F/13A
LT GREY TO SL BROWNISH, F GR, OCC CAL STR, POSS DYKE, TR PY AZ
A/A 20F
F GR, D GRE, SL CLC, MN PY 13A
F TO C GR, MD GREY, MN QTZ STR WITH TRACE PY 80E
LCLY 5% DISS PY, PO POSS CPY 13B
1-2% DISS PY; CPY-BLESS IN 1 INCH MA BAND, FOL 70--75 DEG 8
LCLY 5% DISS PY 13B
TINY WHITE SILLC XTALS 13B
MD GR, D GREY-GRE, MN TO 1% DISS PY, TRACE CPY, LCLY APPEARS SERC13B
LCLY BL, OCC QTZ STR, MN PY 13B
SL BRC, ABN CAL STR, CON ZONE OF DIA BZ, BRC
FN GR, D GREY, CONS 10-20 DEGREES 7
BRC WITH CAL STR, M EPI STR AT CON WITH DIABASE. BZ, BRC
ALT, FN GR, MD GREY, M, OCC CAL STR. BZ
CAL STR, KSPAR EN. F/G
LCLY 5% PY. 13B
SL BL, CLC, 5% PY. 13B
MD TO C GR, D GRE, FOL 80 DEG. 13B
FN GR, D GREY, M, HOMCG, LCL PY STR. 13A
PORP, RES QDF. 3D
WELL BANDED, SIL, LOOKS LIKE A SIL IRON FM WITH NO MAG. 8E
SIL, V WELL BANDED, LCLY UP TO 20% PY, FOL 80 DEG TO C/A. 8E
V FN GR, PINK TO RED, LCL QTZ STR. 10A
AS ABOVE. 8M
AS ABOVE, M, LCLY FINELY BANDED. 10A
AS ABOVE, LOCAL CAL STR. 8M
MD GR, D GRE, GEN POORLY BANDED, MN FSPR EYES, MN PY, FOL 80 DEG. 13B
LT GREY, FN GR, MODLY BL, SL SERC?, FOL 45 DEG TO C/A, 1% PY. 8T
FN WHITE WISPY SILLIMANITIC MINERAL. 13G
FN GR, D GREY, M. 7
FN GR, D GRE, M. 13A
GRNC APPEARANCE, MD GR, LT GREY, M, MN EPI STR, DISC CONS. 3F
V C GR, PINK, IRR CONS. 13A
BL HRLN FRA, QTZ STR. 6A
LAMINATED, H MAGC, LCL BANDS UP TO 20% PO. 13B
H SIL, NM PO, LCLY 2-3% CPY STR, MN PEG STR. 10A
FN GR, D GRE, LCLY WELL BANDED 80 DEG TO C/A, LCLY 5% PY STR. 13A

9/12/87

458.5	478.0	481.0	483.5	512.5	516.0	517.0	529.0	530.0	537.5	538.5	555.5	558.0	559.0	563.0	592.0	593.0	595.0	596.0	600.0	601.5	605.5	606.5	608.0	613.5	640.5	642.5	658.5	739.0	744.0	745.0
HB FSPR GN	HB FSPR GN	HB SCH	HB SCH	HB SCH	HB SCH	SHEAR ZONE	HB SCH	QFB?	HB SCH	QFB GARN	HB SCH	QDF	QTZ VEIN	HB SCH	HB SCH	PEG	HB SCH	QDF?	HB-SCH	QDF?	HB SCH	QDF?	HB SCH	QFHB	HB SCH	GRANITE	HB FSPR SCH	GRANITE	QTZ FSPR HB CL SCH	GRANITE

MD TO C GR, D GRE, LCLY MOTTLED, 2-3% DISS SULPH, POSS GABBRO. 13B
 C GR, OCC PEG STR, MN PY, POSS INT QDF. 13B
 QTZ FSPR STR AND DIKES, SOME WITH NM MAG. 13A
 FN GR, D GRE, LCLY SL BL, MN EPI, QTZ STR, 2-3% DISS PY. 13A
 FN GR, D GRE. 13A
 CLC, RED KSPAR EN. SZ
 FN GR, D GRE, MN QTZ STR, GEN M, POORLY FLD. 13A
 FN GR, LT GREY, M, GARN. 80
 MN QTZ STR, LCLY WK BL, OCC FN, WHITE, WISPY XTALS. 13A
 SAME AS 529-530. 8J
 AS ABOVE, MN QTZ STR, FOL85 DEG TO C/A. 13A
 FN GR, LT GREY WITH WHITE FSPR EYES, LOWER 2" BL. 3F
 WHITE, M, OCC REMS, DISC CONS 40 DEG TO C/A. 6Z
 FN WHITE 'SILLC' XTALS. 13A
 V FN GR, D GRE, M, MN PY, LOCAL FSPR EYES, LCLY 3-5% PY. 13A
 V C GR, WHITE, REMS OF HB SCH. 6C
 FN GR, D GRE, M, POORLY BANDED. 13A
 3F
 13A
 3F?
 13A
 3F?
 13A
 13M
 13A
 5
 13B
 5
 13B
 5

AS ABOVE, FOL 80 DEG TO C/A.

FN GR, M, MD GREY, HOMOG, POSS DIKE, CONS WITH HB SCH ARE DISC.
 FN GR, D GRE, M, WK FLD 80 DEG TO C/A, MN PY STR.
 LT GREY, FN TO C GR, WK PORP, LOCAL GAR, CAL VEINS AT CON.
 LCLY 2-3% PY.
 C GR, M, LT GREY TO BUFF, LCL PEG, REMS HB SCH, FEW EPI STR.
 MAY BE A DIKE, MD GREY GRE, FN TO C GR, FOL 40 DEG TO C/A.
 AS ABOVE.

MAJOR UNIT

FROM	TO	MAJOR UNIT

HOLE-ID: S-331

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	250.0	-60.0
200.0	250.0	-63.0
400.0	250.0	-59.0
600.0	250.0	-59.0

HOLE-ID: S-331

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
21.0	22.0	.03	.01	.03	.00
40.0	41.0	.04	.01	.03	.00

HOLE-ID: S-331

138.5	140.0	.06	.01	.07	.00
307.5	308.0	.09	.00	.04	.00
310.0	312.0	.07	.01	.03	.00
317.0	318.0	.04	.03	.02	.00
318.0	319.0	.02	.00	.01	.00
319.0	321.0	.06	.01	.01	.00
325.0	326.5	.04	.01	.01	.00
328.5	331.0	.09	.01	.01	.00
331.0	332.5	.04	.01	.00	.00
332.5	333.5	.07	.01	.00	.00
335.5	336.5	.07	.01	.02	.00
362.5	362.5	.11	.00	.03	.00
365.5	367.5	.11	.01	.03	.00
378.0	378.5	.04	.00	.04	.00
392.5	396.0	.03	.00	.00	.00
396.0	399.0	.04	.01	.03	.00
399.0	400.5	.01	.00	.02	.00
400.5	401.0	.01	.00	.01	.00
401.0	402.0	.01	.01	.01	.00
402.0	406.0	.01	.00	.01	.00
406.0	410.5	.02	.00	.03	.00
416.5	417.5	.04	.00	.01	.00
423.5	424.0	.03	.00	.02	.00
449.0	450.5	.57	.03	.05	.00
450.5	453.0	.83	.02	.06	.00
453.0	456.0	.62	.01	.05	.00
457.0	457.5	.05	.02	.01	.00
458.5	463.5	.05	.02	.02	.00
463.5	468.5	.04	.02	.03	.00
468.5	473.5	.07	.02	.03	.00
473.5	478.0	.02	.00	.02	.00
478.0	481.0	.02	.01	.02	.00
481.0	483.5	.01	.00	.01	.00
483.5	488.5	.02	.00	.02	.00
488.5	493.5	.03	.00	.00	.00
493.5	498.5	.03	.01	.00	.00
498.5	503.5	.02	.00	.01	.00
503.5	512.5	.02	.00	.03	.00
586.5	587.0	.04	.01	.02	.00
587.5	588.5	.03	.02	.01	.00
618.5	619.0	.04	.03	.03	.00
647.0	648.5	.02	.00	.01	.00

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NORANDA INC. - GECO DIVISION
 FARIES LAKE EXPLORATION PROGRAM

NORANDA GECO
 Serial no: 20350
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9/12/87

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John Gagnon

LOGGED BY: GAGNON

COMPLETED: 25/05/87

START DATE: 22/05/87

ELEVATION: 1073.8

NORTHING: 2004.1

EASTING: 3713.0

PURPOSE: TEST IRON FM

AREA: 86-1

HOLE-ID: S-332

CORE SIZE: 8Q

HOLE LENGTH: 704.0

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
8.0	8.0	OVERBURDEN.		C
10.0	10.0	HB SCH	SL BL, FN GR, D GRE.	13A
13.0	13.0	ANORTHOSITE	PALE GREEN TO BUFF, C GR, M, WK FLD, 45 DEG.	20F
20.0	20.0	HB FSPPR GN	MD TO C GR, D GRE, LCLY WITH FSPPR EYES, OCC BL HRLN FRA.	13B
23.0	23.0	H BL ZONE	NUM CAL STR, ALSO QTZ STR WITH PY.	BZ
24.0	24.0	HB SCH	FN GR, D GRE.	13A
26.0	26.0	ANORTHOSITE	PALE GRE TO D GRE, C GR, MOTTLED.	20F
52.0	52.0	HB SCH	FN GR, D GRE, LCLY C GR WITH FSPPR EYES, OCC ANOR STR, MN PY.	13A
73.0	73.0	ANORTHOSITE	C GR, D GRE, TO WHITE, M, OCC BANDS HB SCH, FOL 45-50 DEG TO C/A. 20F/13A	20F
76.0	76.0	ANORTHOSITE?	H BL, FRA, WITH ABN CAL STR, SOME QTZ STR.	20F
87.0	87.0	H BL ROCK	FN GR, LT GREY, M, HOMOG, NUM TINY CAL STR, MN TO 1% DISS PY.	BZ
100.0	100.0	H BL & ALT	ABN CAL STR, MN QTZ STR, SL GRNZ, LCLY BRC.	BZ
102.0	102.0	HB SCH	MODLY BL, FN GR, D TO PALE GRE, OCC CAL STR, MN DISS PY.	13A
108.5	108.5	ANORTHOSITE	M, BL, C GR, GRNZ, PINKISH WITH OCC CAL STR.	20F
118.5	118.5	ANORTHOSITE	M, C GR, MODLY TO H BL, OCC CAL STR, MN DISS PY, MN PY STR.	20F
120.5	120.5	HB FSPPR GN	C GR, M, HOMOG WITH FSPPR EYES, POSS DIKE, NUM CAL STR.	13B
125.5	125.5	ANORTHOSITE	BL, NUM CAL STR.	20F
131.0	131.0	HB SCH	FN GR, D GRE, OCC CAL STR, LCLY APP HB FSPPR GN, LCLY 1-3% PY.	13A
142.5	142.5	ANORTHOSITE	C GR, H BL, OC CAL VEINS & STR, MN DISS PY.	20F
151.0	151.0	HB SCH	FN GR, D GRE, SCHISTOSITY 50 DEG TO C/A. CAL & ZEOLITE IN FRA.	13A
156.0	156.0	ANOR	BL, CAL STR.	20F
168.0	168.0	HB SCH	FN GR, D GRE, M, LCLY SL BL, TR PY, LCL FSPPR EYES.	13A
193.5	193.5	ANOR	V C GR, MOTTLED, OCC BANDS HB SCH, LCLY SL BL.	20F
251.0	251.0	QFB	WITH FSPPR EYES, M, C GR, SL BL, CONS DISC, POSS DIKE, MN PY.	8E
281.0	281.0	ANOR	V C GR, MOTTLED, D GRE & WHITE, LCL BIO, FOL 50 DEG TO C/A.	20F
284.0	284.0	QFB	WK PORP WITH FSPPR EYES, MN MAFIC BANDS, RES A QDF, CONS 50 DEG.	8E
285.5	285.5	HB SCH	FN GR, D GRE, POORLY BANDED, LCL C GR ANORC STR.	13A
302.0	302.0	ANOR	V C GR, M, WHITE TO PALE GNSH.	20F
319.0	319.0	DIABASE	FN TO MD GR, D GREY, M, CONS 50 DEG TO C/A.	7
321.0	321.0	ANOR	CCC REMS OF HB SCH.	20F/13A
322.0	322.0	QDF?		3F?
330.0	330.0	HB SCH	FN GR, D GRE, FAIRLY M, POORLY BANDED, LCL FSPPR EYES, MN CAL, CL. 13A	13A
331.0	331.0	ODF?	OCC CLOTS GAR, TR PY.	3F?
332.5	332.5	HB FSPPR B/C GN	MD TO C GR, D GREY GRE, NUM BRN BIO LENSES.	13B
335.5	335.5	ANOR		20F
338.0	338.0	HB BIC SCH	FN GR, D GRE, SL BL.	13A
342.0	342.0	HB FSPPR GN	MD TO C GR, D GRE, LCLY BANDED, FOL 60 DEG.	13B
348.0	348.0	HB BIC SCH	FN GR, LT GREY GRE, SL BL, CLC, LCL EPI STR, SOME BANDS ANOR.	13A/20F

348.0 373.0 ANOR
 373.0 381.5 CL BIO SCH
 381.5 385.0 FRACTURE ZONE
 385.0 392.0 ANOR
 392.0 393.0 HB CL SCH
 393.0 394.5 ANOR
 394.5 410.5 ANOR
 410.5 411.5 QFB
 411.5 412.0 CL SCH
 412.0 431.0 HB SCH
 431.0 432.0 HB SCH
 432.0 443.0 HB SCH
 443.0 445.0 HB CL BIO SCH
 445.0 457.5 HB FSPR GN
 457.5 473.0 QFB
 473.0 490.5 IF
 490.5 498.0 DYKE
 498.0 501.0 HB FSPR GN
 501.0 502.0 IF
 502.0 511.0 HB FSPR GN
 511.0 513.0 DYKE?
 513.0 523.0 HB FSPR GN
 523.0 524.0 RES QDF
 524.0 532.0 HB FSPR GN
 532.0 536.0 DIA
 536.0 577.0 HB FSPR GN
 577.0 586.5 HB FSPR GN
 586.5 594.0 DYKE
 594.0 605.5 HBL SCH
 605.5 618.0 DIA
 618.0 620.0 HBL SCH
 620.0 624.0 QDF
 624.0 625.0 HB FSPR GN
 625.0 626.0 PEGMATITE
 626.0 632.5 HB FSPR GN
 632.5 639.0 MA DYKE
 639.0 643.0 HBL SCH
 643.0 647.0 DYKE
 647.0 656.0 HBL SCH
 656.0 669.5 RES QFB
 669.5 679.5 HBL SCH
 679.5 680.5 QDF
 680.5 690.5 HBL SCH
 690.5 692.5 MA DYKE
 692.5 704.0 HBL SCH,

C GR, M, WHITE FSPR IN A D GRE GRND MASS, LCL PY, CPY STR. 20F
 M, D GRE, C GR, ABN ANORC STR. 8C
 SILF WITH ABN CAL STR AND VEINS, ANORC, CCC PY BLESS. FRAC Z
 M, V C GR, OCC QTZ STR, QTZ VEIN WITH PY, CPY BLESS. 20F
 FN GR, D GRE, M, 1-2% DISS PY. 13C
 M, WHITE. 20F
 C GR, WHITE FSPR IN D GRE GRND MASS, MOTTLED TEX, CCC QTZ STR. 20F
 FN GR, MD GREY, M, RES A QDD. 8D
 MD GR, D GRE, SCHISTOSITY 60 DEG TO C/A. 13D
 FN GR, D GREY GRE, M, LCLY SL SILF WITH PY BLEBS, WK BANDED. 13A
 BRC WITH ABN TO NM CAL STR, BLEBS OF PY NEAR MARGINS. 13A
 FN GR, D GRE, LCLY 2-3% PY, LCLY BL. 13A
 MN TO 1% DISS PY. 13C
 FN TO MD GR, D GRE, LCLY M, CLC, MN TO LCLY 5% PY, LCLY SERC. 13B
 FN GR, LCLY MD TO C GR, MD TO D GREY, MN GAR, MN DISS PY. 8DJ
 SIL, VW BANDED, H MAGC, LCLY 3-5% PY, OCC BANDS RES M QTZTE, STR 10A
 FN GR, M, MD GREY WITH SMALL DRK GRE MAFIC CLOTS, ALT, BL 13?
 D GREY, MD GR, LCLY BL 13B
 SIL, H MAGC, AA 10A
 LCLY WITH LRG FSPR GRAINS, MODLY WELL BANDED, FOL 60 DEG 13B
 SAME AS 490.5-498.0, CONS UNCLER, APPEAR DISC 13?
 MD TO C GR, D GRE TO D GREY, QTZ-FSPR STR, SIL LCLY, LCLY RDSH 13B
 BL WITH NUM CAL VEINS AND STR, LCLY SILF, UP TO 3% PY 3F
 FN GR, D GREY, M 7 13B
 MD TO C GR, WELL FOL 60 DEG, MN QTZ AND LAUM STR, SL SERC 13B
 BL WITH NUM CAL VEINS AND STR 13B
 SAME AS 511-513 13?
 ALT, BL, CAL STR, LCL SMALL OIA, 13A
 FN GR, D GREY, M, FRAC, CON SUB-PARALLEL TO CORE, TR IF 7
 BL, NUM CAL STR, VEINS 13A
 M, HIGHLY BL 3F
 FOL 75 DEG 13B
 C GR, PINK 6A
 BL, CAL FRA, LAUM IN FRAC 13B
 SAME AS 490.5-498.0, DISC CONS 20-40 DEG, OCC CALC STR 13?
 D GRE, F GR, LCLY BL, CCC CAL FRA, LCLY PY RICH 1-2% 13A
 SAME AS 490.5-498., DISC CONS 20-40 DEG, OCC CAL STR 13?
 F GR, D GRE, F WHITE WHISPY MIN, LCLY BL AND CLC WITH CAL STR 13A
 F GR, MD GREY, M, LCLY BL WITH CAL FRA, CONS ARE DISC---DYKE? 8D
 F GR, D GRE, M, MN QTZ STR, LCLY BL 13A
 A/A, LCLY 3-5% PY STR 3F
 A/A, RE QDP 13A
 LCLY BL, LAUM AND CAL FILLED FRAC, MN PY, FOL 70 DEG 3?
 13A

MAJOR UNIT

FROM TO MAJOR UNIT

SURVEY DATA

9/12/87

HOLE-ID: S-332

FOOTAGE	AZIMUTH	DIP
0	240.0	-90.0
200.0	240.0	-88.0
400.0	240.0	-88.0
600.0	240.0	-83.0

ASSAY DATA

HOLE-ID: S-332

FROM	TO	CU%	ZN%	AG opt	AU opt
20.0	23.0	.02	.03	.05	.00
47.0	48.0	.02	.02	.05	.00
73.0	76.0	.02	.02	.05	.00
76.0	80.0	.03	.02	.05	.00
80.0	84.0	.03	.01	.08	.00
84.0	87.0	.02	.02	.08	.00
87.0	92.0	.01	.01	.09	.00
92.0	100.0	.02	.00	.10	.00
100.0	102.0	.02	.00	.03	.00
102.0	106.0	.02	.01	.02	.00
106.0	108.5	.02	.00	.02	.00
108.5	113.5	.04	.00	.02	.00
113.5	118.5	.04	.00	.03	.00
118.5	120.5	.02	.01	.03	.00
120.5	125.5	.03	.01	.05	.00
125.5	127.0	.04	.01	.02	.00
131.0	135.0	.03	.01	.02	.00
135.0	139.0	.03	.00	.01	.00
139.0	142.5	.03	.00	.00	.00
151.5	156.0	.02	.00	.03	.00
354.5	355.5	.02	.00	.02	.00
381.5	385.0	.04	.00	.02	.00
387.5	388.5	.02	.00	.00	.00
392.5	393.0	.03	.00	.01	.00
431.0	432.0	.09	.02	.07	.00
436.0	437.0	.03	.01	.02	.00
439.0	443.0	.06	.00	.02	.00
443.0	445.0	.03	.00	.01	.00
445.0	447.0	.10	.00	.03	.00
447.0	451.0	.09	.00	.03	.00
451.0	453.0	.08	.00	.00	.00
453.0	455.0	.00	.00	.04	.00
455.0	457.0	.03	.01	.02	.00
466.0	467.0	.01	.01	.04	.00
467.0	470.0	.02	.01	.02	.00
470.0	472.0	.01	.00	.03	.00
472.0	473.0	.03	.01	.04	.00
473.0	478.0	.04	.01	.03	.00
478.0	483.0	.00	.00	.02	.00
483.0	488.0	.00	.00	.05	.00
488.0	490.5	.00	.00	.02	.00

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501.5	502.0	.00	.00	.02	.00
531.0	532.0	.02	.00	.06	.00
555.0	555.5	.04	.00	.03	.00
579.5	581.0	.03	.01	.04	.00
584.0	586.5	.01	.00	.04	.00
633.0	635.0	.03	.00	.03	.00
638.0	639.0	.02	.00	.03	.00
642.0	643.0	.01	.02	.02	.00
689.5	690.5	.04	.03	.02	.00
696.0	697.5	.09	.03	.03	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John Gagnon

HOLE-ID: S-333 START DATE: 26/05/87 COMPLETED: 30/05/87 LOGGED BY: GAGNON
 CORE SIZE: 8Q EASTING: 3175.0 NORTHING: 2873.3 ELEVATION: 1008.0
 HOLE LENGTH: 787.0 AREA: 86-1 PURPOSE: TEST IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
			CASING DRIVEN TO 22 FEET	C
17.0	17.0	OVER BURDEN	M TO C GR, M, LCLY F GR AND WELL, D GREY, TR DIS PY	13B
33.5	33.5	HB FSPR GN	F GRAINED, WELL FOL 80 DEG, GRE	8C?
37.5	37.5	BCHLF-SCH	M-C GR, M, GNSH GREY, QZ VEINS WITH ASS OIS PY	13B
40.5	40.5	HB FSPR GN,	F GR, D GREY, WELL FOL 85 DEG, TR DIS PY	8C?
54.0	54.0	BCHLF SCH	VC GR, M, GREY, LCL QZ VEINS	13B
58.5	58.5	HB FSPR B GN	V F GR, TR DISS SULPHIDES	13B/32
59.0	59.0	MA DYKE	GNSH GREY, LOCAL QZ VEINS, WEAK TO MOD FOLIATION	13B
65.5	65.5	HFB GN	F GR, WELL FOL 85 DEG, DRK GREY	8
66.5	66.5	BF SCHIST	A/A, VC GR	13B
69.0	69.0	HFB GN	F GR, WELL FOL 80 DEG, LCLY C GR, QZ VEINS	8
76.5	76.5	BFH SCH	GREY, M-C GR, QZ VEINS, RES A QDF	13B
78.0	78.0	HFB GN	FN GR, WELL DEV FOL 88 DEG TO C/A, QZ VEINS.	8
81.5	81.5	BIO FSPR HB SCH	FN GR WITH ASSOC PY AND PO, QZ VEINS, GNSH GREY.	10A
82.5	82.5	IRON FM	GREY, MD TO C GR, SHARP CON, RES QDF.	8
83.0	83.0	FSPR BIO (HB) GN	FN GR, LOCAL QZ VEINS, POSS LAUM.	8
85.0	85.0	BIO FSPR (HB) SCH	AS ABOVE, GREY, MD TO C GR.	8
85.5	85.5	BIO FSPR (HB) GN	F GR, D GRE, FOL 88 DEG, 2-3% DIS PY, QZ VEINS	8
92.0	92.0	BF SCH	WEAKLY FOL, LIGHT TO DRK GREY, LAUM VEINS,	13B
105.5	105.5	HFB GN	LCLY C GR, D GRE, 2-3% DIS PY, QZ VEINS.	8C?
120.0	120.0	BCHLF (HB) SCHIST	C GR, M, TR DIS PY, RES AN	13B
123.0	123.0	BFH GN	SAME AS 105.5-120., F GR, FOL 88 DEG	8
124.0	124.0	HFB GN	C-VC GR, M, GRADES TO MOTTLED AN	13B/20F
128.0	128.0	HFB GN	A/A, F GR, D GRE	8
129.0	129.0	BFH SCH	C GR, M, 1-2% DIS SUL, LCLY F GR BFH SC	8
132.0	132.0	HFB GN	A/A, F GR, SHARP CONTACT	8
132.5	132.5	BFH SCH	VC GR, GRADES TO AN, M	13B
138.0	138.0	HFB GN	D GRE, F GRE, 1-2% DIS SULPHIDES(PY), ABN QZ-LAUM VEINS	8
145.5	145.5	BF(H) SCH	M-C GR, WKLY FOL, PINKISH STAIN IN LOWER HALF, RES QDF	13B
149.5	149.5	HFB GN	F GR, D GRE, QZ AND LAUM STR, FOL 70 DEG	8
153.0	153.0	BFH SCH	M-C GR, WKLY FOL, LCLY M, MOTTLED IN SPOTS	13B
154.0	154.0	HFB GN	M-C GR, GREY, WKLY FOL	13B
157.0	157.0	HFB GN	F GR, D GRE, A/A	8
157.5	157.5	BF (H) SCH	M-C GR, WEAKLY TO MOD FOLIATED 70 DEG, TR DIS SULPHIDES, RES QDF	13B
159.0	159.0	HFB GN	D GRE, 1-2% DIS SULPHIDES, LCLY MD GRAINED	8
167.0	167.0	BF(H) SCH	O GRE TO GREY, GENERALLY MASSIVE BUT LCLY WEAKLY FOL, TR PY	13B
169.0	169.0	HFB GN	F GR, D GRE, LAUM VEINS	8
172.0	172.0	BF(H) SCH	C GR, GNSH GREY, LCLY LAUM STAINED, 1-2% OIS PY, NUM BRN BIO LENS	13B
172.0	172.0	HFB GN		

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182.0	193.5	HBL SCH	F GR, D GRE, LCLY C GR HFB GN INTERBEDS, RDSH STAIN, TR PY	13A
193.5	197.0	HFB GN	M-C GR, WEAKLY FOL, D GRE, QTZ VEINS, LCLY RED STAINED, RES QDF	13B
197.0	198.0	BF (H) SCH	F GR, D GRE-GREY, MA LENSES, RES FRAGMENTAL	8
198.0	204.5	HFB GN	M-C GR, MASSIVE-WEAKLY FOL, RES QDF	13B
204.5	206.5	BF SCH	EXTENSIVE REDDISH STAIN, CAL NOCULES AND QTZ VEINS	8
206.5	219.0	HFB SCH	A/A, GENERALLY F GR, LCLY C GR, QTZ VEINS	13B
219.0	223.0	HFB SCH	RDSH STAINED, F GR, D GRE, WELL FOL 75 DEG, SMALL BRNSH BIO LENS	13B
223.0	223.5	HFB GN	C GR, M	13B
223.5	267.5	HFB SCH	F-M GR, D GRE-GREY, WELL FOL 80 DEG, LCLY FE STAINED, TR PY	13B
267.5	269.0	HFB GN	C-VC GR, M-WEAKLY FOL, GNSH-GREY, TR PY,	13B
269.0	275.0	BFH SCH	A/A, F-M GR, D GRE-GREY	8
275.0	277.0	HFB GN	M-WKLY FOL, VC GR,	13B
277.0	280.5	BFH SCH	F GR, D GRE, A/A, MN QTZ VEINS, LCLY C GR HFB GN	8
280.5	284.5	HFB GN	C GR, M, D GRE-GREY, 1-2% PY, LCLY F GR	13B
284.5	319.5	BFH SCH J	HB FSPR GN INTERBEDS, D GRE-GREY, LOCALLY CHL, 2-3% PY	8
319.5	337.5	MTLY AN	OCC HB SCH BANDS, C-VC GR, M, LOCAL J	20F
337.5	348.0	HBL SCH AND QFB	QFB IS LT TO MD GR, MD TO C GR, SL FSPR POR, BIO WISPS AND CLOTS	13A/8
348.0	353.5	CHL BIO SCH		8D
353.5	362.0	HBL BIO SCH		13A
362.0	365.0	QFHB	F GR, D GREY, POORLY BANDED, MN-QTZ-STR	13M
365.0	367.0	HB FSPR GN	MD GR, MD GR, MN QTZ STR, FSPR PORPH	13B
367.0	377.0	QFB	FN TO MD GR, D GRE, LCL FSPR EYES	13B
377.0	393.0	DIA	LT TO MD GREY, M TO C GR, POORLY BANDED, INT HBL BIO SCH, FOL 70 6E/13A	7
393.0	407.0	QFHB	MD GREY, FN TO MD GR, M, UPPER CON 45 DEG, LOWER CON 80 DEG	13M
407.0	429.5	QFHB,	MD TO DRK GREY, F-M GR, LCL FSPR EYES, GRAO CONS, LCLY CHL, MN QTZ STR	13M
429.5	432.0	QHCF GN	M, F GR, D GREY, ABN FSPR EYES, LOCAL FOL 70 DEG	8T?
432.0	436.0	HBL SCH	WELL FOL 70 DEG, RES QTZT, LCLY C GR CHL BANDS	13A
436.0	437.0	QFB	FN GR, D GRE, M, MN QTZ STR, MN DIS PY	8E
437.0	442.0	IF	LT GREY, C GR, FOL70 DEG	10AB
442.0	447.0	RES IF	WEAK, SIL, VW BANDED 70DEG, 10-15% PO, OCC COURSE CHL BANDS	87
447.0	449.0	HBL SCH	A/A, VW BANDED, SIL, LCLY BL WITH PY STR	13A
449.0	455.0	QFB	F-GR, D GRE, V POORLY BANDED	8E/13A
455.0	458.0	HB SCH	M-C GR, LT TO MD GREY, ABN INT HBL SCH, FOL 70-80DEG	13A/8
458.0	462.0	HB BIO SCH AND QFB	F GR, D GREY, OCC INT QFB BANDS	13A
462.0	465.0	IF	SIL, H MAGC, MN PY	10A
465.0	476.0	HB FSPR GN	MD GR, D GRE WITH LCL INT QFB, LCLY BL	13B
476.0	482.0	IF	SIL, WELL FOL, LCLY 5-10% PO, PY, QTZ VEIN WITH MN PY, PO	10A
482.0	490.5	HBL SCH	VF GR, D GREY, BLK, MN SIL MAGC BANDS, OCC PY, CPY STR	13A
490.5	494.0	HFB GN	M, UNFLO, PSBLY A DYKE, LOWER CON DISC	13B
494.0	517.0	HB FSPR GN	MD GR, D GRE, M, POORLY BANDED, MN QTZ STR, LCLY SL BL	13B
517.0	520.0	HBL SCH	VF GR, D GRE, SL CLC, 1 2 INCH BAND 20% PO, 5% CPY	13A
520.0	522.5	IF	SIL, WELL LAM, 10-20% PO, LCL CPY STR, LCLY BRC, BANDING AT 90DEG10A	13A/8
522.5	523.5	INT HBL SCH AND QFB		
523.5	525.5	FRAG?	MAYBE BRC ZONE, H SIL/FELSIC WITH D GRE MA LENSES, LOCAL PO STR	21A
525.5	526.5	IF	SIL, WELL BANDED, WK TOMODLY MAGC, MAINLY PO, OCC CPY STR	10A
526.5	528.0	HB FSPR GN	OCC SIL BANDS, LCL PO STR	13B
528.0	529.5	SIL IF	LCLY 5-10% PO, WELL BANDED	10A
529.5	534.5	QFH	LOCAL SIL BANDS, MN HB SCH, 5-10% PO, MN PY, TR CPY.	8T
534.5	536.0	HB SCH	FN GR, D GRE, M, POSS DIKE.	13A
536.0	560.0	HB FSPR GN	MD TO C GR, D GREY, LCLY APPEARS FRAGM, 1-3% PO, LCLY 5% TR CPY.	13B
560.0	575.5	QFHB	MD TO D GREY, MD GR, LCL FSPR EYES, M, 1% DISS PO, PY, TR CPY.	13M
575.5	579.0	HB SCH	MN TO 1% DIS PO, PY.	13A
579.0	589.5	QFHB	SAME AS 560-575.5. DISC CONS 45 DEG TO C/A, LCLY 1-2% PO, PY.	13M
589.5	593.5	HB SCH	LCLY 2-3% PO.	13A

593.5 604.0 QFHB
 604.0 612.0 HB SCH
 612.0 613.0 DIKE
 613.0 615.0 HB SCH
 615.0 618.0 QDP?
 618.0 626.0 HB SCH
 626.0 643.0 HB SCH
 643.0 644.5 DIKE
 644.5 655.0 HB SCH
 655.0 656.0 FSPR PORPHYRY
 656.0 658.5 HB SCH
 658.5 660.0 FSPR PORPHYRY
 660.0 666.0 HB SCH
 666.0 667.5 FRACTURED ZONE
 667.5 695.5 HB SCH
 695.5 697.0 FSPR PORPHYRY
 697.0 702.0 HB SCH
 702.0 705.0 FSPR PORPHYRY
 705.0 707.0 HB SCH
 707.0 715.5 HB SCH
 715.5 717.5 FSPR PORPHYRY
 717.5 724.5 HB SCH
 724.5 727.0 DIKE
 727.0 767.0 HB SCH
 767.0 768.0 QFB
 768.0 771.0 HB SCH
 771.0 772.0 QFB
 772.0 778.0 HB SCH
 778.0 779.0 QUARTZITE?
 779.0 787.0 HB SCH

SAME AS 560-575.5, DISC CONS 45 DEG TO C/A, LCLY RES A QDP.
 FN GR, D GRE, M, POORLY FLD, LCL PEG STR, LCLY 1-3% PO, TR COP.
 RES 3P
 TYP, FN GR, D GRE, MN QTZ FSPR STR, SCATTERED GAR.
 FN GR, M, MD GREY, DISC CONS, POSS LAMPORPHYRE.
 FN GR, D GRE, M, WK BANDED, FOL 75 DEG TO C/A, MN PEG.
 FN GR, D GRE, M, POORLY BANDED, FOL 75 DEG, MN PEGC STR.
 AS BEFORE, DISC CONS, 50 DEG, FN GR, MD GREY, M.
 AS ABOVE.
 CONC, OCC BL HRLN FRA, RES QDP.
 WELL BANDED 80 DEG TO C/A, MN QTZ STR.
 AS ABOVE.
 TYP, D GRE, V FN GR, M, FOL 80 DEG TO C/A.
 NUM CAL LAUM VEINS, OCC PY BLEBS.
 D GRE, FN GR, M, MN QTZ STR, LCLY BANDED 80 DEG TO C/A, MN PEG.
 RES QDF, CONC CONS 80 DEG TO C/A.
 AS ABOVE, OCC SMALL PORPHYRY DIKES, OCC PY, CPY STR.
 RES QDF, CONS 80 DEG TO C/A.
 FSPR EYES.
 TYPICAL.
 RES QDF, CONC CONS 80 DEG TO C/A.
 TYPICAL, MN PORPHYRITIC BANDS
 RES QDP, OR LAMPORPHYRE, RUNS SUBPARALLEL TO CORE, 1-3% PY.
 TYPICAL, OCC WHITE PEGC STR, LCLY BANDED, LCLY 1-2% PY, SL BL.
 FN GR, MD GREY, M, POORLY BANDED, CONC CONS.
 SL BL, OCC SMALL PORPHYRY DIKES, MN TO 1% PY.
 MD GR, MD GREY, SL FSPR PORP.
 FOL 80 DEG TO C/A.
 M, FN GR, WHITE TO PINK, OCC TINY FRA WITH LAUM, MN GAR.
 OCC WHITE PEGC BANDS, FOL 85 DEG TO C/A.

MAJOR UNIT

FROM	TO	MAJOR UNIT
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SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-70.0
200.0	240.0	-71.0
400.0	240.0	-71.0
600.0	240.0	-70.0
800.0	240.0	-69.0

ASSAY DATA

FROM	TO	CUS	ZN%	AG opt	AU opt
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315.5	318.0	.02	.00	.00	.00

HOLE-ID: S-333

HOLE-ID: S-333

HOLE-ID: S-333

PC-XPLOR VERSION 1.00
Exploration Data Manager
By GEMCOM SERVICES INC.

NORANDA INC. - GECO DIVISION
FARIES LAKE EXPLORATION PROGRAM

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437.0	442.0	.03	.01	.00	.00
462.0	465.0	.01	.02	.02	.00
476.0	478.0	.02	.03	.03	.00
478.0	479.0	.11	.04	.04	.00
479.0	482.0	.04	.02	.02	.00
487.0	490.5	.02	.02	.02	.00
518.5	518.5	1.00	.02	.02	.00
518.5	520.0	.04	.02	.02	.00
520.0	522.0	.24	.04	.04	.00
522.5	523.5	.02	.03	.03	.00
523.5	525.5	.02	.03	.03	.00
525.5	526.5	.12	.02	.02	.00
526.5	528.0	.05	.01	.01	.00
528.0	529.5	.11	.02	.02	.00
529.5	534.5	.09	.02	.02	.00
534.5	536.0	.02	.01	.01	.00
536.0	540.0	.03	.01	.07	.00
540.0	545.0	.01	.01	.06	.00
545.0	550.0	.03	.01	.09	.00
550.0	555.0	.03	.01	.05	.00
555.0	560.0	.04	.01	.06	.00
560.0	565.0	.01	.02	.08	.00
575.5	579.0	.01	.01	.07	.00
586.5	589.5	.02	.01	.07	.00
591.5	592.5	.02	.02	.08	.00
604.0	605.5	.02	.01	.10	.00
612.5	613.0	.00	.01	.06	.00
660.0	667.5	.01	.01	.06	.00
697.5	698.0	.01	.01	.02	.00
700.0	702.0	.01	.01	.03	.00
724.5	727.0	.01	.01	.03	.00
737.0	738.0	.04	.11	.02	.00
769.0	770.0	.03	.03	.02	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LCG

John Gagnon
 LOGGED BY: GAGNON

HOLE-ID: S-334 START DATE: 31/05/87 COMPLETED: 05/06/87

CORE SIZE: BQ EASTING: 1827.0 NORTHING: 5064.3 ELEVATION: 1015.9

HOLE LENGTH: 1244.0 AREA: 86-1 PURPOSE: TEST IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
0	15.0	OVERBURDEN	CASING TO 15 FEET	C
15.0	35.5	ANORTHOSITE	M, VC GR; WHITE TO DRK GRE, SL CLC	20F
35.5	37.5	HBL SCH REM	V F GR, D GRE, TYPICAL	13A?
37.5	38.5	DYKE	HBL FSPR BIO, SLIGHTLY RES A QDP	13B
38.5	42.0	HBL SCH	F GR, G GRE, LCLY C GR, H CLC, LCL AN BANDS	13A/20F
42.0	59.5	ANORTHOSITE	OCC REMS HBL SCH	20F/13A
59.5	60.5	HBL SCH	LT GRE, VF GR, H SILF, BL WITH EP STR, MN PY	13A
60.5	61.0	QTZ VEIN	WHITE, BARREN, OCC SMALL REMS	6Z
61.0	66.0	HBL SCH AND AN	ROUGHLY EQUAL AMOUNTS, FOL IN HBL SCH ROUGHLY 70 DEG	13A/20F
66.0	80.5	ANORTHOSITE	TYPICAL	20F
80.5	82.5	QFH	MD GR, MD GREY, FOL 45 DEG, POSSIBLY A REM	24D
82.5	118.5	ANORTHOSITE	A/A, LCL PY, CPY, V MN PY	20F
118.5	122.5	HBL SCH	FN GR, D GRE, POORLY BANDED, LCL SMALL BANDS RES GARN QFB	13A
122.5	123.5	FSPR PORPHYRY	RES QOF, CONS APPEAR TO BE CON	3F?
123.5	125.0	ANORTHOSITE, TYPICAL	TYPICAL	20F
125.0	130.0	HBL SCH	VF GR, D GRE, WK LD 75 DEG, MN PY	13A
130.0	131.5	HBL SCHIST	NUM SMALL FSPR PORPHYRY STR, SL BL, LCLY V SL RDSH, FOL 70 DEG	13A
131.5	133.0	HBL SCH	MODLY BL, PALE GN SH, V CLC, OCC V SMALL FSPR POR STR, TR PY	13A
133.0	134.0	FSPR PORPHYRY	RES QDF	3F?
134.0	146.0	ANORTHOSITE	ABN HBL SCH REMNANTS, LCLY BL, MN BLEBS PY, CPY	20F/13A
146.0	150.0	CLC SCH	M, PALE GN SH, M, 1% MAG GRAINS, OCC PY, CPY GRAINS, LCLY TO 1%	13D
150.0	151.5	HBL SCH	ANOR STR, MN CPY LAMINAE	13A
151.5	153.0	MA DYKE	RES A QDD, CONS APPEAR CON	3D
153.0	156.0	HBL SCH	AN STR THROUGHOUT, OCC PEG DYKES, MN TO 1% PO, PY, TR CPY	13A
156.0	163.0	HBL SCH	F GR, D GRE, M, POORLY BANDED WITH NUM WHITE AN CLOTS	13A
163.0	178.5	HBL FSPR GN	MD TO C GR, MD TO D GREY, LCLY LT GRE, BL, NUM SMALL AN STR + CLO13B	13A
178.5	207.0	HBL SCH	F GR, D GRE, M, LCLY BANDED, TYP, LOCAL QTZ STR	13A
207.0	215.5	FRAGMENTAL	LT TO MD GREY, HFC GN WITH SMALL D GRE M LENSES, LCL FSPR EYES	21B
215.5	217.5	HBL FRAC ZONE	NUM EP STR, MN PY	FRAC Z
217.5	225.0	HBL SCH	F GR, D GRE, M, LCLY WITH QTZ STR	13A
225.0	241.0	FRAGMENTAL	A/A, LCLY BL, TR PY, FSPR EYES THROUGHOUT	21B
241.0	242.5	HBL SCH	A/A, FOL 90 DEG, POS DYKE	13A
242.5	251.0	FRAGMENTAL	A/A, LCLY SILF WITH CHERTY APPEARANCE, FOL 80 DEG	21B
251.0	252.0	HBL SCH	F GR, D GRE, CONC	13A
252.0	256.5	FRAGMENTAL	A/A	21B
256.5	257.5	FSPR PORPHYRY	RES QOF	3F
257.5	276.0	FRAGMENTAL	A/A, ABN FSPR EYES, FOL 75-80 DEG, REMNANT HBL SCH BANDS	21B
276.0	281.0	HBL SCH	F GR, D GRE, TYPICAL	13A

281.0	282.0	HIGHLY SILF ZONE	PALE GRE TO PINK TO BUFF, V F GR, OCC PY STR	SIL Z
282.0	286.5	FRAGMENTAL	LT GREY, SILF WITH D GRE MA LENSES	21B
286.5	288.5	FSPR PORPHYRY	D GREY G MASS, NUM INEQUANT FSPR EYES, RES QDF	3F
288.5	301.0	FRAGMENTAL	A/A, SIL, OCC BANDS HBL SCH, MN FSPR EYES, V MN PY STR	21B
301.0	330.0	HBL SCH	F GR, D GRE, M, POORLY BANDED, WEAK FOL 80 DEG	13A
330.0	333.0	HBL SCH	BL, OCC SMALL QTZ STR, TR PY	13A
333.0	341.0	HBL SCH	D GRE, F GR, NUM TINY WHITE MIN GRAINS, V MN QTZ STR	13A
341.0	362.0	GABBRO	C GR, MD GRE, M, NOT FLD, LCLY ANORC, MN QTZ STR, CONS INDISTINCT20A	3F
368.0	370.0	FSPR PORPHYRY	RES QDF	3F
370.0	372.5	DYKE	F GR, MD GREY, WELL FOL, RES QDP	3P
372.5	375.5	HBL SCH	SL BL, ONE LRG CLOT OF PO, PY	13A
375.5	391.0	FRAGMENTAL	A/A, FSPR EYES, LCLY SL BL, V MN PY	21B
391.0	393.5	HBL SCH		13A
393.5	415.0	FRAGMENTAL	SL BL, ALT, MN QTZ STR, TR PY, OCC BL	21
415.0	417.0	BL ZONE	V F GR, LT GREY BUFF, PSBLY AN ALT HBL SCH	BZ
417.0	431.0	HBL SCH	F GR, D GRE, LCLY VARIES TO MD TO C GR HF GN, MN QTZ STR, TR PY	13A
431.0	436.0	GRN DYKE	C GR, PINKISH, SL PORPH, M, LCL QTZ AND EP STR, CONS IRR	5
436.0	442.0	HB FSPR GN	C GR, D GRE TO PALE GRE, ALT, OCC CAL STR, MN PY, LCLY CHL	13B
442.0	447.5	FSPR PORPHYRY	RES QDF, MD TO LT GREY-BUFF WHERE HIGHLY BLEACHED	3F
447.5	464.5	FRAGMENTAL	A/A, LCLY HIGHLY SILF, SCATTERED FSPR EYES	21
464.5	469.0	HBL SCH	F GR, D GRE, M, FOL 80 DEG	13A
469.0	471.0	FSPR PORPHYRY	RES QDF, LCLY BL	3F
471.0	492.5	FRAGMENTAL	A/A, MAFIC FRAG IN A F GR FELSIC SIL G MASS, SCAT FSPR EYES, BL	21B
492.5	495.0	HBL SCH	VF GR, D GRE, WK FLD, MN PY, MODLY CLC	13A
495.0	496.0	FRAGMENTAL	A/A	21B
496.0	501.5	HBL SCH	SAME AS 492.5-495	13A
501.5	508.0	HBL SCH	TINY WHITE MINERAL GRAINS	13A
508.0	510.0	MA DYKE	DISC CONS, VF GR, D GRE, M, NOT FOL	13
510.0	525.0	HBL SCH	SAME AS 501.5-508, MN QTZ STR WITH MN BLEBS OF CPY, LCLY SL BL	13A
525.0	529.5	HB FSPR GN	D GRE, MD TO C GR, MN QTZ STR, LCL PO, PY STR	13B
529.5	540.0	GABBRO	C GR, D GRE, M, MODLY CLC, LCL SER CLOTS, LCLY ANG, 2-3% PY, M P07	20F
540.0	567.0	ANORTHOSITE	C-VC GR, PALE GNISH WHITE FSPR AND D GRE MA, HB RICH, TR PY	13A
567.0	574.0	HBL SCH	F GR, D GRE, H FRAC, QTZ STR, LCLY HIGHLY SILF, MN TO 1% PY	20F
574.0	578.5	ANORTHOSITE	A/A	3F
578.5	581.0	DYKE?	MD GREY, F GR, WELL FOL, RES QDF, SHARP CONS, 2-3% PY	20F/13A
581.0	611.0	ANORTHOSITE	A/A, MN PY, LCLY BANDS OF HBL SCH	3F
611.0	615.5	DYKE	SIMILAR TO 578.5-581.0, M, WK FOL NEAR CONS, BL, 1% DIS PY	20F
615.5	620.0	ANORTHOSITE	A/A	20F
620.0	670.5	ANORTHOSITE,	SAME AS 611-615.5	20F
670.5	672.0	DYKE	A/A, TYPICAL, TR CPY, 2-3% PY LCLY, LCLY APPEARS BREC	3F
672.0	697.0	ANORTHOSITE	D GRE, ABN AN, ANORC FRAGS, FSPR PORPH FRAGS AND OTHERS, LCL PY	22
697.0	733.0	DIATREME BRECCIA/ PIPE	C GR, D GRE, M HOMCG, IRR CONS 20 DEG, 5% PY AT CONS	7
733.0	738.0	GABBRO DYKE	A/A, PY BLEBS LCLY	22
738.0	744.0	DIATREME	A/A, 1-2% DIS PY	LAMP
744.0	745.5	LAMPORPHYRE	A/A, SERC ALTERATION AROUND 762.	22
745.5	783.0	DIATREME	BL, ALT, FRAC WITH EP STR, LCLY RDSH AND GRNZ, LCLY 1-2% DIS PY	?
783.0	789.0	DYKE?	A/A	22
789.0	800.5	DIATREME	F GR, D GRE TO LT GRE, LCLY CLC, MN QTZ STR, TR PY, FOL 80 DEG	13A
800.5	811.0	HBL SCH	RES QDP, FSPR EYES, CONC CONS, FOL 75 DEG	24D
811.0	814.0	QFH	VC GR, PINK, SL FRAC,	6A
814.0	816.5	PEGMATITE	RES A HBL SCH OR QFB, H WAGG, 25-50% MAG, LCLY 5% PY	10
816.5	819.0	IF	C GR, D GRE, NUM FSPR EYES	13B
819.0	820.5	HB FSPR GN	F GR, D GRE, FOL 75 DEG	13A
820.5	824.0	HBL SCH		

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824.0	825.0	826.5	828.0	834.0	834.5	837.0	853.0	853.5	871.0	882.0	883.5	885.5	887.0	890.0	891.5	893.0	924.0	927.0	931.0	936.0	941.0	942.0	943.0	944.0	949.5	949.5	954.5	956.0	979.0	987.0	990.0	1036.0	1052.0	1067.0	1067.0	1070.0	1114.5	1123.0	1123.0	1148.0	1177.0	1181.0	1184.0	1184.0	1188.5	1190.5	1192.5	1196.5	1196.5	1200.5	1202.0	1202.0	1205.5	1214.5	1219.0	1219.0	1220.0	1231.5	1244.0
QFB	HBL SCH	IF	HB FSPR GN	QFB	FSPR PORPHYRY	HBL SCH	LAMP	HBL SCH	INT HB SCH AND QFB	RES A M QTZTE	RES A PEGMATITE	PEGMATITE	HB FSPR GN	DIATREME BRECCIA	DIABASE	DIATREME BRECCIA	DIATREME	DIATREME	DIATREME	DIATREME	HBL SCH	DIATREME	HB FSPR GN	DIATREME	POSSIBLY GABBRO	DIATREME	GRN	DIATREME BRECCIA	DIATREME BRECCIA	ANORTHOSITE	DIATREME	DIATREME BRECCIA	DIATREME BRECCIA	DYKE	DIATREME BRECCIA	DIATREME	DIATREME BRECCIA	DIATREME BRECCIA	DIATREME BRECCIA	DIATREME BRECCIA	DIATREME	DYKE	PEGMATIZED	QFB	ANORTHOSITE	QFB	ANORTHOSITE	HBL SCH	QFB	ANORTHOSITE	HBL SCH	HBL SCH	QFB, HB SCH AND ANORTHOSITE	ANORTHOSITE					
LT GREY, F GR, SIL, RES BQ	F GR, D GRE, M, PY IN FRAC	M SIL, MAGC, LCLY 20% PY, PO, TR CPY	M-C GR, D GRE, LCLY SIL BANDS, MN QTZ STR, LCL CAL STR	SIL, WELL BANDED, RES BQ, MN PY	RES QOF, H BL, LT GREY, M, CONS CCN 85 DEG	TYPICAL, F GR, D GRE, FOL 85, LKLY WKLY BL, LCLY 2-3% PY	A/A, CONS CONCORDANT 75 DEG	A/A, LCLY WELL BANDED, MN QTZ STR, LCLY RDSH KSPAR EN, FOL 75DEGF13A	M TO WELL BANDED, QFB LCLY SIL WITH 1% PY, MN CAL STR, FOL 55-70D13A/8	WHITE TO PINK, VF GR, WELL BANDED NEAR TOP, TR PY	C GR, PINK, REM BANDING, 6 INCH HBL SCH AT BOTTOM	C GR, WHITE, ABN QTZ STR, PY AT MARGINS	M-C GR, D GRE, OCC QTZ STR, LCLY CLC, LCLY 1-3 PY BLESS, PEG STR 13B	A/A, 1-3% PY	F GR, MD GREY, M, IRR, DISC CONS	A/A, MULTIPLE FRAG TYPES, 1% PY THROUGHOUT, SL BL APPEARANCE	A/A, MODLY BL, SL CLC, MN CAL STR, WELL BANDED AND SL GRNZ, 1-2%P22	A/A, LCLY 1-2% PY	BL, SL CLC, SERC, 1-2% PY, LCLY APPEARTS GRNZ	F GR, D GRE, MN PY, MN QTZ AND CALCITE STR,	BL, LT GREY, 2-3% PY	D GRE, C GR, FAIRLY M, MAY BE A LRGE FRAG	BL, LT GREY, A/A, 1% DIS PY	C GR, D GRE, M, SL CONTORTED, BRC, MN TO 1% PY BLESS	C GR, MA MATERIAL, LCLY H FRAC, CAL STR, MODLY CLC, 1% PY BLESS	MD GR, M, PINK	LCLY CLC, SL BL, 1-2% DIS PY BLESS, VARIOUS LITH FRAGS	H FRAC, BL, ACT, NUM CAL STR, LCLY H GOUGED, M TO 1% DIS PY	C GR, M, D GRE AND WHITE,	A/A, MULTIPLE FRAG TYPES, LCLY CLC, MN TO 2% PY	SIL AND QTZ FRAGS DOMINATE, LCL PY, LCLY H CLC	A/A, MODLY BL, LCLY H CLC, 1% DIS PY, QTZ VEIN WITH CPY BLESS	M, D GRE, C GR, 5% DIS PY, CONS INDISTINCT	MORE MA, LESS DISTINCT FRAG, GEN BL AND CLC, LCL SER ALT	A/A, FRAC WITH CAL STR, LAUM VEINS, RDSH KSPR ENRICHED	A/A, MAINLY MA FRAGS, OCC FSPR PORPHYRY FRAGS, MN-2% PY	A/A, 1-2% PY DIS,	H ALT, H GRNZ WITH ABN EPI ALTERATION, RDSH KSPR EN	F GR, M, HOMOG, BL, LT GRE TO RDSH, EP STR COM,	ABN EPI ALTERATION	F GR, M GREY, SL BL, FOL 65 DEG	C GR, MOTTLED, ABN EPI, PEG, LCL DISS PY	F GR, MD GREY, LCLY C GR, LCL DISS PY	C GR, D GRE AND WHITISH GRE, SL MAGC, POSS ILM, MV PY	F GR, D GRE, M, WK FLD	SL ALT, OCC BL HRLN FRA, LCLY SL GRNZ	VC GR, LT GNSH, ABN EPI ALTERATION, CCC SMALL PEG STR, MN QFB REM20F	F GR, D GRE, M	F GR, LT GREY, M	POS FSPR PORPHYRY, LCLY GRNZ, LCLY H CLC	C GR, M, PALE, GREY TO D GRE, QTZ STR, MN REMS OF HBL SCH								

MAJOR UNIT

PC-XPLOR VERSION 1.00 ***
 Exploration Data Manager ***
 By GEMCOM SERVICES INC.

NORANDA INC. - GECO DIVISION
 FARRIES LAKE EXPLORATION PROGRAM

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FROM TO MAJOR UNIT

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-60.0
400.0	240.0	-60.0
600.0	240.0	-59.0
800.0	240.0	-59.0
1000.0	240.0	-59.0
1200.0	240.0	-60.0

HOLE-ID: S-334

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
108.5	109.0	.36	.04	.01	.00
136.0	137.0	.02	.01	.00	.00
138.5	139.0	.04	.04	.02	.00
143.5	145.0	.03	.01	.02	.00
146.0	150.0	.11	.00	.00	.00
150.0	151.5	.03	.01	.02	.00
153.5	156.0	.06	.00	.02	.00
215.5	217.5	.01	.01	.01	.00
281.5	282.0	.02	.01	.02	.00
374.0	374.5	.09	.02	.01	.00
415.5	417.0	.02	.01	.02	.00
422.0	422.5	.01	.01	.02	.00
423.5	424.0	.04	.02	.01	.00
429.5	430.5	.02	.02	.01	.00
438.0	440.0	.04	.02	.00	.00
440.0	442.0	.01	.00	.04	.00
454.0	456.5	.01	.01	.04	.00
523.5	524.0	.05	.01	.03	.00
527.5	528.5	.06	.02	.01	.00
529.5	533.0	.06	.00	.03	.00
567.0	570.5	.01	.05	.02	.00
570.5	574.0	.01	.01	.02	.00
578.5	581.0	.07	.04	.05	.00
611.0	615.5	.01	.03	.02	.00
670.5	672.0	.03	.03	.02	.00
675.5	678.0	.01	.01	.02	.00
680.5	682.0	.05	.01	.04	.00
702.0	704.5	.01	.03	.02	.00
707.5	709.5	.04	.04	.03	.00
710.5	711.5	.01	.01	.00	.00
716.5	717.0	.01	.03	.02	.00

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718.5	721.0	.01	.00	.03	.00
724.0	726.0	.00	.01	.04	.00
732.5	733.5	.01	.01	.03	.00
737.0	737.5	.04	.03	.03	.00
738.5	740.5	.01	.00	.02	.00
744.0	745.5	.00	.00	.02	.00
748.0	749.0	.03	.01	.03	.00
781.5	783.0	.01	.04	.04	.00
783.0	786.0	.00	.02	.03	.00
786.0	789.0	.01	.01	.03	.00
816.5	819.0	.02	.02	.03	.00
825.0	826.5	.03	.00	.04	.00
826.5	828.0	.13	.00	.08	.00
843.0	844.0	.03	.01	.02	.00
869.5	870.5	.01	.00	.03	.00
888.5	889.0	.01	.00	.06	.00
890.0	891.5	.01	.01	.04	.00
893.0	898.0	.01	.01	.05	.00
898.0	903.0	.03	.01	.04	.00
903.0	908.0	.01	.00	.03	.00
908.0	913.0	.02	.02	.05	.00
924.0	927.0	.02	.01	.04	.00
927.0	931.0	.02	.00	.06	.00
931.0	936.0	.01	.00	.03	.00
941.0	942.0	.02	.00	.04	.00
943.0	944.0	.01	.00	.00	.00
944.0	946.0	.01	.01	.04	.00
949.5	954.5	.01	.01	.02	.00
956.0	961.0	.02	.01	.02	.00
961.0	966.0	.03	.00	.02	.00
966.0	971.0	.03	.00	.04	.00
971.0	975.0	.03	.00	.04	.00
975.0	979.0	.04	.01	.04	.00
979.0	983.0	.03	.03	.03	.00
983.0	987.0	.03	.00	.03	.00
990.0	993.0	.03	.00	.03	.00
994.5	997.0	.07	.01	.06	.00
1001.0	1004.0	.05	.00	.01	.00
1005.0	1008.0	.03	.00	.03	.00
1011.0	1015.0	.04	.01	.03	.00
1018.0	1022.0	.03	.00	.02	.00
1028.0	1031.0	.04	.00	.03	.00
1052.0	1053.5	.09	.01	.03	.00
1053.5	1055.5	.06	.01	.07	.00
1064.5	1065.0	.09	.01	.05	.00
1067.0	1070.5	.08	.00	.03	.00
1076.5	1077.5	.04	.01	.00	.00
1077.5	1082.0	.05	.02	.01	.00
1082.0	1086.0	.04	.00	.02	.00
1086.0	1090.0	.04	.00	.02	.00
1090.0	1094.0	.03	.01	.02	.00
1094.0	1097.0	.02	.00	.00	.00
1097.0	1100.0	.02	.00	.01	.00
1114.5	1116.5	.01	.00	.02	.00

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1118.0	1123.0	.02	.00	.01	.00
1123.0	1128.0	.03	.00	.02	.00
1128.0	1129.0	.03	.00	.01	.00
1134.5	1137.0	.04	.00	.04	.00
1137.0	1140.0	.02	.00	.00	.00
1140.0	1144.0	.02	.00	.02	.00
1144.0	1147.0	.02	.00	.00	.00
1147.0	1148.0	.03	.00	.04	.00
1148.0	1153.0	.02	.00	.02	.00
1153.0	1158.0	.01	.00	.01	.00
1158.0	1163.0	.02	.00	.01	.00
1163.0	1168.0	.02	.00	.03	.00
1168.0	1173.0	.02	.00	.00	.00
1173.0	1177.0	.03	.00	.03	.00
1193.0	1194.0	.01	.00	.02	.00
1196.5	1200.5	.01	.00	.03	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John Gagnon

HOLE-ID: S-335 START DATE: 06/06/87 COMPLETED: 09/06/87 LOGGED BY: GAGNON

CORE SIZE: 8Q EASTING: 3385.0 NORTHING: 3017.6 ELEVATION: 1009.4

HOLE LENGTH: 757.0 AREA: 86-1 PURPOSE: TEST IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
14.0	14.0	CASING		C
14.0	28.0	HFB GN	MD TO C GR, D GRE WITH BROWN BIO LENSES, FOL 75 DEG, PY, MN CPY	13B
28.0	32.0	FSPR PORPHYRY	RES QDF, MN HFB GN REMS, PY, MN CPY ALONG HRLN FRA AND LOWER CON	3F
32.0	36.5	HBL SCH	LCLY HBL FSPR GN, MN BIOTITIC LAMINARE, PY, MN CPY	13A
36.5	38.0	FSPR PORPHYRY	RES QDF	3F
38.0	39.5	QFB AND QUARTZITE	INTERBEDS, F GR, SIL, MASSIVE	8DH
39.5	40.5	FSPR PORPHYRY	A/A	3F
40.5	53.0	HB FSPR GN	MD-C GR, LCLY F GR, D GRE, MN FSPR PORPHYRY, MN INT QTZTE, MN PY	13B
53.0	54.0	QFB	VF GR, MD GREY, M, MN QTZ STR	8D
54.0	55.5	HB FSPR GN	CLC, FRAC WITH LAUM	13B
55.5	57.0	FSPR PORPHYRY	RES QDF, CONS APPEAR TO BE CONCORDANT 40 DEG	3F
57.0	76.0	HB SCH	F GR, D GRE, M, LCLY SL BL, MN FRA WITH LAUM, CAL	13A
76.0	79.5	FSPR PORPHYRY	RES QDF, CONC CONS	3F
79.5	84.0	HB FSPR GN	LOCAL QTZ STR WITH UP TO 5% PY, MN INT QFB, LCLY SL BIOTITIC	13B
84.0	85.5	FSPR PORPHYRY	A/A	3F
85.5	88.0	HB FSPR GN	OCC QTZ STR, MN DISS PY	13B
88.0	89.0	FSPR PORPHYRY	A/A	3F
89.0	136.0	HB FSPR GN	MD-C GR, D GRE, OCC QTZ STR, LCL PY, PO, UP TO 5%, STR AND BLEBS	13B
136.0	137.0	HB FSPR GN	C GR, RDSH, KSPAR EN, OCC QTZ STR, SL GRANZ	13B
137.0	142.5	HB FSPR GN	D GR, C GR, M, TR PY	13B
142.5	147.5	HBL SCH	F GR, D GRE, M, LCLY CLC, TR PY, FOL 70 DEG, BUFF COL, RES QTZTE	13A
147.5	149.0	HB FSPR GN	D GRE, C GR, M, TR PY	13B
149.0	150.0	QUARTZITE	H SIL, VF GR, LT GREY, WK BANDED 50 DEG, QTZ VEIN WITH TR PY	8M
150.0	174.0	HB FSPR GN	TYP, C GR, D GRE, LCLY F GR, M, POORLY BANDED 70 DEG, MN QTZ-CAL	13B
174.0	192.0	ANORTHOSITE	VC GR, M, LCLY BIOTITIC, BIO OCC ALT TO SER, LCLY HIGHLY CLC	20F
192.0	195.0	HFB GN	C GR, WKLY FOL 70 DEG, D GREY-GRE, LCL ANORTHOSITIC BANDS	13B/20F
195.0	198.0	ANORTHOSITE	A/A	20F
198.0	199.0	QFH	F-MD GR, LT GREY, M, WK FLD	8T
199.0	200.0	HBL SCH	TYPICAL	13A
200.0	210.0	ANORTHOSITE	A/A	20F
210.0	210.5	FSPR PORPHYRY	RES QDF, CONS 70 DEG	3F
210.5	211.5	HB BIO SCH	F GR, D GRE, M, PREDOM HBL, LESSER BIO	13A
211.5	213.5	FSPR PORPHYRY	RES QDF, CONS 70 DEG	3F
213.5	215.0	HB FSPR GN	C GR, FOL 70 DEG	13B
215.0	216.0	FSPR PORPHYRY	RES QDF, CONS CONC 70 DEG	3F
216.0	233.0	HBL SCH	F GR, D GRE, M-WK FOL 80 DEG	13A
233.0	234.0	QFB	VF GR, MD GREY, MN QTZ STR, SMALL BROWN BIO WISPS, OCC HBL RICH	88D
234.0	235.0	HB FSPR GN		39

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235.0	QFB	F GR, MD GREY, LCL THIN BANDS HB FSPR GN, FOL 80 DEG	80
236.0	FSPR PORPHYRY	RES QDF, CONS 80 DEG	3F
239.5	HB FSPR GN		13B
243.5	ANORTHOSITE	C-VC GR, LT GNSH WHITE, M	20F
246.0	HB FSPR GN	MD-C GR, D GRE, MN ANOR BANDS, MN QTZ STR WITH PY, CPY	13B/20F
262.0	HBL SCH	F GR, D GRE, WK FLD, MN QTZ STR	13A
264.0	HB FSPR GN	MD-C GR, M, D GRE, WKLY FLD, MN QTZ STR, LCLY BIOTITIC	13B
276.0	HBL SCH	F GR, D GRE, OCC C GR BANDS	13A
279.5	SHEAR ZONE	POSS SH ANORTH, ABN BIO, MODLY SER, LCL C CLC, MN CAL	SZ
281.0	ANORTHOSITE	C GR, OCC SMALL CAL VEINS	20F
284.0	HBL SCH	F GR, D GRE, MN SMALL BIOTITIC WISPS	13A
286.0	ANORTHOSITE	ANORTHOSITE, C GR, LCLY BIOTITIC, OCC BAND HBL SCH	20F/13A
289.0	HB FSPR GN	MD-C GR, D GRE, WK FLD 80 DEG	13B
291.5	ANORTHOSITE	TYPICAL	20F
294.5	HBL SCH	TYPICAL	13A
296.0	ANORTHOSITE	TYPICAL	20F
298.0	HBL SCH	F GR, D GRE, M LCL DISS PY, TR CPY	13A
303.0	SHEAR ZONE	H CLC, ABN BRN BIO, LCLY SERC, WK CALC, MN QTZ STR, ALT AN?	SZ
306.0	HBL SCH	VF GR, MN QTZ STR	13A
310.0	SHEAR ZONE	SAME AS 303-306	SZ
311.0	HBL SCH	VF GR	13A
311.5	ANORTHOSITE	VC GR, M, LT GREY TO WHITISH, H CLC, ALT, SH AT CONS	20F
317.5	HBL SCH	F GR, D GRE, M	13A
326.0	SH ANOR	LT GREY TO WHITISH, VERY SCS, H CLC, LCLY APPEARS SER	20F?
341.5	HB FSPR GN	MN QTZ STR	13B
344.0	ANORTHOSITE	VC GR, LCL BIO WISPS, TR PY	20F
349.0	HBL SCH	TYPICAL, FOL 80 DEG	13A
356.0	HB BIO SCH	F GR, D GRE, BRNSH BIO, MN BANDS OF QFB	13A
358.0	HBL SCH	SL SERC	13A
360.0	HB BIO SCH		20F
361.0	ANORTHOSITE	F GR, D GRE, CLY SERC, MN AN BANDS	13A/20F
362.0	HB BIO SCH	NUMERCUS HBL SCH REFS	20F/13A
366.5	ANORTHOSITE	F GR, D GRE, MN QTZ STR, LCLY MD GR, FOL 70 DEG	13A
369.5	HBL SCH	PROBABLY A SHEAR ZONE, M-C GR, V SCS, ABN BRNSH BIO,	8S
394.5	BIO SCH	LOCAL ANORTHOSITIC BANDS, TR PY, CPY IN SMALL FR	13A/20F
395.5	HBL SCH	TYPICAL	20F
420.5	ANORTHOSITE	MD GR, LCLY F OR C GR, D GRE TO GREY, INT QFB AND AN, LCLY BIO	13B
422.0	HFB GN	F GR, D GRE	13A
441.0	HBL SCH	INT QFH AND QFB, F-M GR, LT GREY-GRE, M, LCL BIO RICH BANDS, Q-C	13B
446.0	HFB GN	C GR, D GRE, M, HCMCG	7
465.5	GABBRO	QFB COMPOSITION, VF GR, LT GREY WITH SMALL BIO HBL CLOTS, DISC C	13B
468.0	HB FSPR GN	VF GR, D GREY, QFB COMPOSITION, SHARP DISC CONS	8
473.0	DYKE	C GR, D GRE, M	13B
474.5	HB FSPR GN	F GR, D GRE, M	13A
475.5	DYKE		13A
477.0	HB FSPR GN	FOL 70 DEG	13A
478.0	HBL SCH	NUM QTZ STR, LCLY BIOTITIC	13B
481.0	HBL BIO SCH	VC GR, TYPICAL	20F
482.0	HBL SCH	RES QDF, M, HCMCG, C GR, DISC CONS, REM AN CLOTS	3F
484.0	HB FSPR GN	LCL INT HBL SCH	20F/13A
486.0	ANORTHOSITE	D GRE, F-M GR, MV INT QFB	13B/8
487.5	FSPR PORPHYRY		
489.0	ANORTHOSITE		
495.0	HFB GN		

498.5	504.0	QFB	MD GR, MD GREY, OCC AN BANDS, FOL 70 DEG, LCLY APPEATS SL SERC	8E/20
504.0	511.5	ANORTHOSITE	QFB INTERBECS, HBL SCH, LCCAL PEGC STR, MN QTZ STR, MN FSPR PORPH20F/8	13A
511.5	512.5	HBL SCH	SOME SMALL FSPR PORPHYRY STR	13A
512.5	514.5	HBL SCH		20F
514.5	522.0	ANORTHOSITE	SAME AS 504-511.5	13A
522.0	533.5	HBL SCH	F GR, D GRE, M, LCLY BIOTITIC, SL BL, MN CAL VEINS, LCLY H CLC	20F
533.5	538.0	ANORTHOSITE	ABN CL, BIO, SOME SER ALT, MN PEG VEINS WITH EP	13A/13MJ
538.0	543.0	HBL SCH	VF GR, D GRE, LCL QFHB WITH GARNET	13C/20F
543.0	549.0	HBL CLC SCH	C GR, MD TO D GRE, LCL AN BANDS, OCC QTZ STR	8D
549.0	551.0	QFB	VF GR, MD GREY, M, LCLY C GR, CLC	13C
551.0	552.0	HBL CLC SCH	A/A	13A
552.0	555.5	HBL SCH	F GR, M, LCLY CLC	8MJ
555.5	556.0	RES QTZTE	VF GR, LT GREY, M, GARN, CONS APPEAR DISC	13M
556.0	559.0	QFHB	D GREY, MD GR, M, POORLY BANDED	13A
559.0	565.0	HFB SCH	F GR, BRNSH GRE, LCLY C GR, LT GREY QFB BANDS, FOL 75-80 DEG	13A
565.0	569.0	HBL SCH	F GR, D GRE, M, MN FRA WITH PY AND TR CPY	13M
569.0	570.5	QFHB	MD-C GR, NUM QTZ STR,	13A
570.5	577.0	HBL SCH	D GRE, LCLY CLC, MN BIO, OCC QTZ STR, MN BANDS OF QFB	217
577.0	577.5	RES QPC	WELL BANDED, CLC WITH THIN BIO LAMINAE	8D/13A
577.5	581.0	QFB AND HBL SCH	QFB IS VERY F GR, MD GREY, M	13M
581.0	581.5	DYKE	QFHB COMP. RES A QDF, CON CONS 70 DEG	13A
581.5	586.0	HBL SCH	F GR, D GRE, M	3F
586.0	587.0	RES QDF	UPPER CON CONC, LOWER CON DISC	13A
587.0	592.0	HBL SCH	F GR, D GRE, MN QTZ STR, LCLY CLC	13C
592.0	607.0	HBL CLC SCH	F GR, MD GREY, M, MN CAL IN TINY FRA	13A
607.0	613.0	HBL SCH	VF GR, D GREY, M, SCATTERED FSPR EYES	13C
613.0	615.5	HCB SCH	F GR, MD GREY-GRE, LCLY WELL BANDED 70 DEG	10A
615.5	619.5	IF	SIL, MN QTZ STR WITH PY, PO, LCLY MN MAGNETITE, LCLY WELL BANDED	13M
619.5	621.0	QFHB	M, OCC PY, PO, CPY BLEBS	10A
621.0	623.5	IF	SIL, MN DIS PY, PO	13A
623.5	624.5	HBL SCH	M, SL CLC	10A
624.5	627.0	IF	SIL, A/A	13A
627.0	628.0	HBL SCH	M, GR, D GRE	10A
628.0	628.5	IF	SIL	13A
628.5	629.5	HBL SCH	M, SL MAGC, MN QTZ STR WITH PY, PO	10A
629.5	631.0	IF	SIL, OCC BLEBS PY, PO, MN QTZ STR WITH PY	13A
631.0	632.5	HBL SCH	M, MD GR, D GRE	13A
632.5	633.5	IF	SIL	6Z
633.5	638.0	HFB GN	M, DISC CONS, 2-3% DIS PY, PO, MN J	13A
638.0	647.5	HBL SCH	F GR, D GRE, M, FOL 70 DEG	13BJ
647.5	651.5	QTZ VEIN	M, WHITE, BARREN	13A
651.5	654.0	HBL SCH	PCC QTZ VEIN	6Z
654.0	654.5	QTZ VEIN	OCC PO BLEBS THROUGHOUT, 1.5 INCH M PO AT UPPER CON	13A
654.5	660.0	HBL SCH	F GR, M, D GRE, LCL DIS PY, PO, OCC QTZ STR	6Z
660.0	663.5	IF	SIL, WELL FOL, H MAGC, LCL BANDS CPY, MN FOLDS	13A
663.5	665.5	IF	SIL, NM BANDS PO, CONTORTED, BRC, CAL STR AND VEINS, TR CPY	10A
665.5	666.0	DYKE?	M, NUM WHITE, TINY MIN GRAINS, DISC CONS	32/137
666.0	668.0	WEAK IF	SIL, BANDED, WEAKLY MAGC, 2-3% PO LAMINAE	10?
668.0	669.0	QFB	F GR, MD GREY, MN DISS PY, FOL 70 DEG	8D
669.0	678.0	IF	MODLY TO H MAGC, POORLY BANDED, F GR, D GRE, MN DIS PO, LCL SIL	10A
678.0	689.5	HBL SCH	F GR, D GRE, M, POORLY BANDED, MN DISS PY	13A
689.5	697.5	FRAGMENTAL	MD GREY, F GR FRACS IN A F GR, D GRE HBL SCH G MASS, TR SULPHIDES	21B
697.5	713.0	HBL SCH	TYPICAL, F GR, D GRE, M, LCLY 3-5% DISS PO	13A
713.0	733.0	FRAGMENTAL	A/A, OCC INT HBL SCH, MN QTZ STR WITH ASS PY, UP TO 5% PO	21/13A

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733.0 735.0 HBL SCH
 735.0 736.0 FRAGMENTAL
 736.0 738.0 QTZ VEIN
 738.0 740.0 QFB
 740.0 751.0 HBL SCH
 751.0 757.0 HBL SCH

TYPICAL
 A/A
 M, WHITE, CCC REMS, CCC BLEBS PY, PO, CPY ALONG MARGINS
 VF GR, MD GREY, M
 RES FRAG, MN J, CCC PO, CPY STR
 SL BL, CLC, FOL 70 DEG, ABN TINY WHITE MINERAL GRAINS

MAJOR UNIT

FROM	TO	MAJOR UNIT

HOLE-ID: S-335

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-70.0
200.0	240.0	-70.0
400.0	240.0	-68.0
600.0	240.0	-67.0

HOLE-ID: S-335

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
25.5	26.0	.06	.00	.01	.00
30.5	32.0	.02	.00	.20	.00
32.0	33.0	.01	.00	.00	.00
48.0	48.5	.01	.00	.01	.00
82.0	84.0	.01	.00	.00	.00
101.5	102.5	.01	.00	.01	.00
102.5	103.5	.03	.00	.00	.00
116.5	117.0	.03	.00	.02	.00
117.0	119.0	.01	.00	.05	.00
122.0	124.0	.01	.00	.05	.00
125.5	126.5	.40	.00	.09	.00
129.5	132.0	.02	.00	.04	.00
149.0	150.0	.01	.00	.06	.00
164.5	165.5	.00	.00	.02	.00
254.5	255.5	.02	.00	.01	.00
279.5	281.0	.00	.02	.00	.00
298.5	299.0	.02	.04	.00	.00
299.5	300.0	.01	.01	.01	.00
401.5	402.0	.03	.01	.00	.00
426.5	428.0	.03	.01	.01	.00
566.0	567.0	.01	.01	.00	.00
615.5	619.5	.02	.01	.02	.00
619.5	621.0	.07	.03	.05	.00
621.0	623.5	.02	.02	.02	.00
623.5	624.5	.02	.03	.03	.00
624.5	627.0	.01	.03	.05	.00

HOLE-ID: S-335

627.0	628.0	.00	.01	.00	.00
628.0	628.5	.01	.02	.02	.00
631.0	632.5	.01	.03	.00	.00
632.5	633.5	.01	.02	.01	.00
633.5	638.0	.02	.01	.00	.00
554.0	654.5	.10	.02	.02	.00
654.5	654.5	.01	.02	4.00	.00
559.5	660.0	.12	.02	.05	.00
660.0	663.5	.28	.02	.05	.00
663.5	666.5	.17	.00	.08	.00
666.5	669.0	.02	.02	.01	.00
669.0	673.0	.01	.01	.00	.00
673.0	678.0	.00	.01	.04	.00
704.0	705.0	.02	.00	.04	.00
736.0	738.0	.02	.02	.07	.00
743.0	745.5	.04	.03	.06	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John Gasman

HOLE-ID: S-336 START DATE: 09/06/87 COMPLETED: 12/09/87 LOGGED BY: GAGNON

CORE SIZE: BQ EASTING: 3385.0 NORTHING: 3017.6 ELEVATION: 1009.4

HOLE LENGTH: 905.0 AREA: 86-1 PURPOSE: TEST IRON FORMATION

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
.0	12.0	CASING		C
12.0	35.0	HFB GN		13B
35.0	50.0	QFHB GN	POORLY BANDED, LCLY PORPH, MN QTZ AND PY STR, MN CPY IN STR	13M
50.0	53.0	FSPR PORPHYRY	RES QDF, CONS CONC 65 DEG	3F
53.0	54.5	QJARTZITE	F GR, WHITE TO LT GREY, M, SMALL FSPR PORPHYRY DYKE	8M
54.5	58.5	HB FSPR GN	C GR, D GRE, POORLY BANDED, FOL 70 DEG	13B
58.5	59.0	QFB	LT GREY, M, RES QTZITE	8DH
59.0	60.0	FSPR PORPHYRY	RES QDF	3F
60.0	62.0	HB FSPR GN	C GR, D GRE, EN WITH RDSH K SPAR, OCC PY STR	13B
62.0	63.0	FSPR PORPHYRY	RES QDF	3F
63.0	64.0	QFB	VF GR, MD GREY, M, FOL 45 DEG	8D
64.0	68.0	HB FSPR GN	C GR, D GRE, WKLY FOL, LCLY BIOTITIC	13B
68.0	71.0	QFB GN	F GR, V LT GREY, WELL BANDED 4C DEG, SL SER	8D
71.0	73.0	HB FSPR GN	C GR, M, WKLY FOL, IRR DISC CONS WITH OVERLYING QFB, GRAD LOWER C13B	13A
73.0	82.0	HBL SCH	F TO MD GR, LCLY BIOTITIC, TR PY	13A
82.0	83.0	FSPR PORPHYRY	RES QDF	3F
83.0	84.0	HBL SCH		13A
84.0	89.0	FSPR PORPHYRY		3F
89.0	92.0	QFB	RES QDF, CONS CONC	13A
92.0	124.5	HB FSPR GN	VF GR, MD GREY, M, LCLY WKLY BANDED 70 DEG	3F
124.5	125.5	HBL SCH	MD TO C GR, D GRE, FOL 70 DEG, LCLY 2-3% PY	8D
125.5	142.0	HB FSPR GN	QTZ STR, YP TO 5% PY	13B
142.0	151.0	HB FSPR GN	A/A, LCLY INT HBL SCH, LCL QTZ STR WITH 2-3% PY BLEBS	13A
151.0	163.0	HBL SCH	C GR, D GRE, SL PORPH, UNIFORM, HOMOG, FOL 70 DEG	13B
163.0	165.0	HB CL BIO SCH	F GR, D GRE, LCLY BIOTITIC, CLC	13A
165.0	196.0	HB FSPR GN	F GR, MODLY SCS, LT GRE WITH BRNSH LENSES	13C
196.0	203.5	FSPR PORPHYRY	C GR, D GRE, LCLY BIOTITIC, POORLY BANDED, FOL 60-70 DEG, LCL PY	13B
203.5	205.0	HBL SCH	RES QDF, CONS CONC 70 DEG	3F
205.0	221.5	ANORTHOSITE	F GR, D GRE	13A
221.5	233.5	HBL SCH	VC GR, MOTTLY, LOCAL BIOTITIC BANDS, OCC HBL SCH BANDS	20F
233.5	234.5	QFHB	F GR, D GRE, LCLY BANDED, GEN M, FOL 70 DEG, MN QTZ STR, TR CPY	13A
234.5	237.0	HBL SCH	C GR, OCC J	13M
237.0	238.0	FSPR PORPHYRY	A/A	13A
238.0	239.5	QFB	RES QDF	3F
239.5	242.5	QFH	VF GR, MD GREY, M	8D
242.5	248.5	QFHB	MD-C GR, CAL STR, LCLY RDSH KSPR EN	8T
248.5	249.5	HBL SCH	C GR, MD GREY, M, HOMOG, POORLY BANDED, FOL 70 DEG	13M
249.5	256.0	QFHB	F GR, D GRE, M	13A
			SAME AS 242.5-248.5, SL SERC, CLC, OCC AN BANDS	13M

256.0	271.5	ANORTHOSITE	LCCAL HBL SCH BANDS, MN CAL VEINS, LCL BIOTITIC BANDS	20F
271.5	276.0	QFH	C GR, SL PORPH, M, MD GREY, LCLY BIOTITIC	8T
276.0	282.0	ANORTHOSITE	VC GR, M, MOTTLED	20F
282.0	297.0	HB FSPR GN	C GR, D GRE, POORLY BANDED, FOL 70-80 DEG	13B
297.0	299.0	HBL SCH	VF GR, D GRE, MN QTZ STR	13A
299.0	302.0	ANORTHOSITE	VC GR, WHITE AND GRE, MOTLY TEX	20F
302.0	305.0	CL BIO SCH	C GR, V CONTORTED, LCL QTZ STR, PSBLY SER, FAIRLY SHARP CONS	13D
305.0	306.0	HBL CL BIO SCH	F-MD GR, MODLY SCS, CONS GRAD TO LOWER UNIT	13C
306.0	319.0	HBL SCH	VF GR, D GRE, LCLY CLC, MN BLG WITH BIO	13A
319.0	325.5	ANORTHOSITE	VC GR, WHITE AND D GRE, MOTTLY TEX	20F
325.5	329.0	QFHB	MD GREY, F-MD GR	13M
329.0	330.0	ANORTHOSITE	OCC BIOTITIC STR	20F
330.0	331.5	HBL SCH		13A
331.5	333.0	ANORTHOSITE	MD GR, GRE-BRN, SL BL, SERC	20F
333.0	334.0	CL BIO SCH	F GR, D GRE, MD GREY, SCS, POSSIBLY SERC	130
334.0	337.0	HBL SCH	F GR, MD GREY, SCS, POSSIBLY SERC	13A
337.0	338.0	CL BIO SCH	LT GREY, F GR, SL SIL, MN QTZ STR	13D
338.0	339.0	HB BIO CL SCH		13C
339.0	342.0	CL BIO SCH	SAME AS 302-305	130
342.0	347.0	HB BIO CL SCH	F GR, D GREY GRE, M, POORLY FOL	13C
347.0	352.0	HBL CL SCH	D GREY, F GR, LCLY SCS, M	13C
352.0	357.0	CL BIO SER SCH	MD GR, D GRE TO LT GREYISH, LCLY H SERC, SCZ 80 DEG	13DK
357.0	365.5	HB FSPR BIO CL GN	MD TO C GR, M, POORLY FOL	13B
365.5	366.5	HBL SCH	F GR, D GRE, M, CLC	13A
366.5	375.0	QFHB	M-C GR, D GREY, M, POORLY BANDED	13M
375.0	376.0	MA DYKE	VF GR, D GRE, HBLE RICH, DISC CONS	13B
376.0	378.0	QFB	C GR, LT TO MD GREY, MN HBL, FOL 60-70 DEG	8E
378.0	382.0	HBL SCH AND HB FSPR GN	F-C GR, POORLY BANDED, D GRE	13AB
382.0	384.0	WEAK IF	LT GREY TO D GRE, WELL BANDED, SL MAGC, LCCAL PO/CPY STR	10
384.0	387.0	SER CL BIO SCH	WHITISH WITH D GRE CLC CLOT, BRNSH BIO BANDS	13DK
387.0	388.0	CL BIO SCH	LT GRE, F GR	13D
388.0	391.0	HBLE SCH	F GR, MD GRE, SL CLC, SERC	13A
391.0	404.0	HBL SCH	OCC BIOTITIC BANDS, LCLY SL SERC, LCLT GRNTZ, MN QTZ STR WITH PY	13A
404.0	410.0	ANORTHOSITE	VC GR, M, HBL SCH REMS	20F/13A
410.0	413.0	HBL FSPR GN	MD TO C GR, D GRE, WELL FOL 70 DEG	13B
413.0	423.5	ANORTHOSITE	A/A	20F
423.5	425.0	HBL SCH	F GR, D GRE,	13A
425.0	447.5	ANORTHOSITE	MOTTLY, TR SER, MN QTZ STR, OCC HBL SCH	20F/13A
447.5	483.0	HB FSPR GN	MD GR, LCLY F GR, HOMOG, POORLY BANDED, LCLY CLC, MN BIO, TR CPY	13B
483.0	483.5	QTZ VEIN	M, WHITE, BARREN	6Z
483.5	552.0	ANORTHOSITE	BARREN	20F
552.0	555.0	HBL SCH	F GR, D GRE, LCLY SL GRAN	13A
555.0	558.0	HB FSPR GN	MD GR, D GRE, LCLY BIOTITIC, FOL 70 DEG	13B
558.0	559.0	CL BIO SCH	C GR, D GRE, M, DISC CONS, POSS DYKE	13D
559.0	564.5	QFH	C GR, M-D GREY, POORLY BANDED, LCLY F GR HBL SCH	8T
564.5	571.0	ANORTHOSITE	VC GR, WHITE AND D GRE, OCC BIOTITIC LENSES	20F
571.0	576.5	HBL CL SCH	F GR, D GRE, LCLY CLC, OCC BIOTITIC BANDS	13C
576.5	582.0	ANORTHOSITE	A/A	20F
582.0	584.0	HBL SCH	TYPICAL	13A
584.0	588.5	ANORTHOSITE	TYPICAL	20F
588.5	594.5	CL BIO SCH	C GR, D GRE, M, CONTORTED, LCL ANORTH STR	13D
594.5	597.0	DYKE	M GREY, F GR, QFB COMPOSITION, SCATTERED SMALL HBL CLOTTS	8
597.0	601.0	HB FSPR CL GN	C GR, D GRE, OCC ANORTH BANDS, MN J	13C/20F
601.0	613.0	ANORTHOSITE	TYPICAL, INT HBL FSPR GN,	20F/13B

613.0	620.5	623.0	625.0	627.0	630.5	636.0	639.0	640.0	643.0	644.0	647.0	648.0	649.5	656.0	657.0	663.0	691.0	696.0	703.0	706.0	708.0	710.0	712.0	719.5	727.0	728.0	735.0	741.0	753.0	755.0	771.0	772.0	788.0	789.0	790.5	791.5	793.0	798.5	801.0	802.0	808.5	810.5	813.0	816.0	818.0	823.0	827.0	830.0	839.0	840.0	841.0	846.0	855.5	865.5
	HBL SCH	QFH	HB CL BIO SCH	SH ZONE	QFH	HB FSPR GN	HB FSPR GN	HBL SCH	HB FSPR GN	HBL SCH	QFH	HB SCH	QFH	QFB AND QFH	DYKE	HB FSPR BIO GN	MA DYKE	QFHB	HB BIO CL SCH	QFB	IF	M HBL	IF	MA DYKE	IF	M HBL	IF	HB FSPR GN	HBL SCH	HBL SCH	HBL SCH	MA DYKE	HBL SCH	MA DYKE	HBL SCH	QFB	HBL SCH	MA DYKE	QFHB	M HBLE	MA DYKE	HBL FSPR GN	M HBL	QFB	IF	HBL SCH	HBL SCH	FSPR PORPHYRY	FRAGMENTAL	FSPR PORPHYRY	HBL SCH	FSPR PORPHYRY	HBL SCH	QFHB
	F GR, D GRE, LCLY WELL BANDED, LCLY BIOTITIC	M, C GR, V SL PORPH, RES QDF DYKE, CONS APPEAR CONC	F GR, MD TO D GRE, M, FOL 75 DEG	ESSENTIALLY A HBL CL SCH, C GR, QTZ STR, LCLY ROSH, MN ANOR BANDSSZ	MD-C GR, D GREY-GRE, MN INT HBL SCH, OCC J, FOL 55 DEG	C GR, LCL BIOTITIC STR, OCC CLC, ABN AN STR	SL PORPHYRY, POSS PORPHYRY DYKE, SHARP CONC CONS	RDSH, FSPTZO, MN CAL STR, FOL 65 DEG	SAME AS 635-639	F GR, D GRE, TR SULPH	C GR, M GR, HOMOG, SL PRPHY, RES A QDF	NF GR,	PORP, SL RES QDF	WELL BANDED 70 DEG, LCLY CLC, SL PORPH, MN WHITE SIL BANDS	DISC CONS, QFH COMPOSITION, SL CLC	C GR, LCL QTZ STR, LCLY APPEARS AN, OCC HBL SCH BANDS	F-M GR, D GREY, M, HOMOG, QFHB COMP, IRR DISC CONS, 2-3% DIS PY	F GR, D GRE, LCLY WELL BANDED 70 DEG, FAIRLY HOMCG	F GR, D GRE, M, FOL 70 DEG, 1% DISS PO, TR CPY	F GR, M GREY, WELL BANDED, OCC D GRE HBL RICH LAMINAE, MN PO STR	SIL, WELL BANDED, 5-10% PO, PY, TR CPY	F GR, D GRE	SIL, A/A	SAME AS 663-691, TR SULPH	SIL, H-MAGC, 5% PO BANDS, MN PY STR	MD GREY, D GRE	WELL BANDED, LESS SIL, NOT AS F GR, ONLY TR SULPH	MD GR, D GRE WITH LARGE BLOBS OF GNSH FSPR	D GREY, MD GR, LCLY F GR, POORLY BANDED, TR PY LCLY CLC	5-10% PY	F GR, D GRE, OCC GRNC BANDS	SAME AS 663-691	F GR, D GRE, M, LCLY WKLY BL	SIMILAR TO 663-691, F GR, MD GREY, M, HOMOG, QFH COMP, CONC CONS	TYPICAL	F GR, MD GREY, M, FOL 80 DEG	F GR, D GRE, TYPICAL	SAME AS 663-691, QFHB COMPOSITION, M, HOMOG, LCL BL HRZN, LCL PY	FOL 70 DEG	MD GR, D GRE, MN PY BLEBS	SAME AS 663-691	F GR, WKLY BANDED	F GR, D GRE, LCL BL HORIZONS, MN QTZ STR	F GR, LT GREY, M, LCL INT HBL SCH	M-NM PO, 1% CPY BLESS	FOL 70 DEG, MN TO 1% DIS PY, PO	WEAK MAGC, SL RES IF, 1-2% PY, PO, TR CPY	RES QDF, CONC CONS	FELSIC SIL FRAGS IN A D GRE HBL SCH GMASS, 1% PY, PO	RES QDF	A/A, CCC REM HBL SCH	PO, CPY, F GR, D GRE, HOMOG, M, FOL 75-80 DEG, LCLY WELL BANDED	F GR, MD TO D GREY, POORLY BANDED, OCC QTZ STR, MN PO, PY	

13A
 8T
 13C
 8T
 13B
 13B
 13A
 13B
 13A
 8T
 13A
 8T
 13A
 8T
 8T
 13B/13A
 13M
 13M
 13C
 8D
 10A
 13
 10A
 13B/13A
 10A
 13
 10A
 13B
 13A
 13A
 13A
 13A/5
 13A/13B
 13A
 8T
 13A
 8D
 13A
 13M
 13M
 13
 13?
 13B
 13
 8D/13A
 10
 13A
 13A
 3F
 21A
 3F
 13A
 3F/13A
 13A
 13M

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 F GR, D GRE, MN QTZ STR, LCLY 1-2% DISS PO, PY, TR CPY

884.0 905.0 HBL SCH

13A

MAJOR UNIT

FROM	TO	MAJOR UNIT
.0	.0	

HOLE-ID: S-336

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-90.0
200.0	240.0	-84.0
400.0	240.0	-83.0
600.0	240.0	-83.0
800.0	240.0	-76.0

HOLE-ID: S-336

ASSAY DATA

FROM	TO	CU%	ZN%	AG opt	AU opt
27.5	28.0	.08	.05	.06	.00
31.5	32.0	.04	.02	.00	.00
60.0	62.0	.03	.02	.03	.00
99.5	101.0	.03	.00	.03	.00
111.0	117.0	.03	.01	.02	.00
124.5	125.5	.04	.00	.04	.00
136.5	137.5	.02	.00	.05	.00
185.0	186.0	.02	.00	.04	.00
382.0	384.0	.07	.01	.04	.00
402.0	402.5	.02	.00	.03	.00
479.5	481.0	.03	.00	.03	.00
486.5	488.5	.04	.00	.06	.00
663.0	668.0	.00	.00	.04	.00
668.0	673.0	.00	.01	.01	.00
673.0	678.0	.00	.00	.02	.00
678.0	683.0	.00	.00	.06	.00
683.0	688.0	.02	.01	.05	.00
688.0	691.0	.02	.02	.03	.00
696.0	701.0	.03	.00	.03	.00
701.0	703.0	.05	.02	.02	.00
706.0	708.0	.02	.00	.03	.00
708.0	710.0	.02	.00	.03	.00
710.0	712.0	.09	.09	.03	.00
712.0	716.0	.02	.01	.03	.00
716.0	719.5	.02	.00	.02	.00
719.5	723.0	.02	.01	.03	.00
723.0	727.0	.02	.01	.02	.00
727.0	728.0	.01	.01	.00	.00
728.0	732.0	.01	.00	.02	.00

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732.0	735.0	.01	.00	.01	.00
753.0	755.0	.09	.01	.02	.00
816.0	818.0	.16	.01	.06	.00
818.0	823.0	.02	.00	.00	.00
823.0	827.0	.06	.02	.05	.00
830.0	835.0	.03	.00	.02	.00
835.0	839.0	.04	.01	.03	.00
849.5	851.0	.03	.01	.01	.00
868.0	869.0	.14	.01	.03	.00
884.0	886.0	.01	.00	.01	.00
897.0	898.0	.09	.01	.02	.00

FARIES LAKE PROJECT

DIAMOND DRILL HOLE LOG

John D. Gagnon

HOLE-ID: S-337 START DATE: 13/09/87 COMPLETED: 17/09/87 LOGGED BY: GAGNON
 CORE SIZE: BQ EASTING: 2925.8 NORTHING: 3598.2 ELEVATION: 1007.9
 HOLE LENGTH: 907.0 AREA: 86-1 PURPOSE: TEST IRON FM

LITHOLOGY

FROM	TO	ROCK-TYPE	REMARKS	CODE
34.0	34.0	CASING		C
63.0	63.0	ANORTHOSITE	C-VC GR, OCC BANDS OF HBL SCH, MTLD TEXTURE, D GRE TO BUFF	20F/13A
68.5	68.5	FSPR PORPHYRY	RES QDF, CONS 50 DEG	3F
70.0	70.0	QFB	VF GR, M, D GREY, POSS DYKE	8D
117.0	117.0	ANORTHOSITE	A/A	20F
118.0	118.0	HBL SCH	F GR, D GREY, LCLY FSPTZ, MN CAL VEINS	13A
122.0	122.0	ANORTHOSITE	A/A	20F
129.5	129.5	HBL FSPR GN	MD TO C GR, D GRE, POORLY BANDED, FOL 60 DEG	20B
139.5	139.5	ANORTHOSITE	VC GR, WHITE TO D GRE, OCC BANDS OF HBL SCH	20F/13A
155.5	155.5	HBL SCH	F GR, D GRE, LCL BIO BANDS, OCC BL HRN, FRAC WITH SMALL CAL STR	13A
157.5	157.5	ANORTHOSITE	VC GR, M	20F
161.5	161.5	QFB	F GR, LT GREY, M, MN QTZ STR, CCC INT HBL SCH, LCL AN BANDS	8D/13A
165.0	165.0	ANORTHOSITE	VC GR, M, OCC HBL SCH BANDS	20F/13A
169.5	169.5	HBL SCH	VF GR, D GRE, M, MN QTZ STR, CCC BIOTITIC CLC BANDS	13A
174.5	174.5	ANORTHOSITE	VC GR, M, LCL INT HBL SCH, FOL 70 DEG	20F/13A
177.0	177.0	HFB GN	MD TO C GR, M, POORLY BANDED	13B
178.5	178.5	QFB	F GR, M, LT GREY, SOME AN BANDS	8D/20F
182.0	182.0	ANORTHOSITE	VC GR, M, WHITE AND D GRE	20F
186.5	186.5	HB FSPR GN	C GR, D GRE, WKLY FLD, LCLY F GR	13B
188.5	201.0	CL BIO SCH	C GR, D GRE WITH BRN BIO BANDS, POORLY FLD, CONTORTED, FSPR POR L130	13M
201.0	202.0	QFHB	MD GR, MD GREY, M	8
202.0	204.5	QFB(HBL)	M, D GREY, F GR, WELL FOL, RES A QDP	13B
204.5	209.5	HBL FSPR GN	M-C GR, D GRE, M, POORLY FOL	13A
209.5	213.5	HBL SCH	F GR, D GRE, LCLY C GR	3P
213.5	219.0	RES QDP	SAME AS 202-204.5, LCLY BL WITH 2-3% DIS PY	ALT Z
219.0	233.5	HB FSPR GN	M-C GR, D GREY-GRE, INT F GR D GRE HBL SCH, POORLY BANDED, F EYES13B/13A	3P
233.5	235.5	ALT ZONE	V RDSH KSPR EN, SCS, SMALL CAL STR	13B
235.5	238.0	RES QDP	SAME AS 202-204.5	13B
238.0	251.0	HB FSPR GN	GEN C GR, D GRE, POORLY BANDED, LCLY HAS A WEAK FRAG TEXTURE	13B/21
251.0	252.5	CL BIO SCH	D GRE TO BRN, C GR, INT QFB, LCLY 2-3% PY BLEBS	13D
252.5	258.0	HB FSPR GN	A/A	13B
258.0	263.0	ANORTHOSITE	TYPICAL, LCLY CLC	20F
263.0	268.5	HBL FSPR GN	LCLY BIOTITIC	13B
268.5	269.0	FSPR PORPHYRY	RES QDF	3F
269.0	270.0	RES QDP	AS BEFORE	3P
270.0	271.0	HB FSPR GN	C GR	13B
271.0	272.0	HBL SCH	VF GR, M, D GRE, POSS DYKE	13A
272.0	279.5	HBL FSPR GN	MD TO F GR, LCL QTZ STR, LCL BIOTITIC CLOTS	13B

279.5	281.5	FSPR PORPHYRY	CONC SILL LIKE CONS, RES QDF	3F
281.5	289.5	HBL SCH	F GR, D GRE, LCLY C GR, CLC, TR PY	13A
289.5	305.0	FSPR PORPHYRY	A/A, UPPER CON V IRR, DISC	3F
305.0	310.5	RES QDF	AS BEFORE	3P
310.5	322.0	HFB GN	C GR, D GREY-GRE, POORLY BANDED, CCC AN BANDS	13B
322.0	325.0	CL BIO SCH	MD GRE TO BRN, F TO M GR, FOL 80 DEG	13D
325.0	328.0	HFB GN	C GR, M, D GREY, SCATTERED SMALL FSPR EYES	13B
328.0	329.0	RES QDF	AS BEFORE	3P
329.0	345.0	FSPR PORPHYRY	RES QDF, CONS 45 DEG	3F
345.0	353.0	ALT, SIL ROCK	ALT HB FSPR GN	13B?
353.0	367.0	QFB	MD GREY, M-C GR, LCLY CLC, SL GRNZ, WKLYFOL 80 DEG	8E
367.0	372.0	GRN?	LT GREY TO PINK, REM FOL, LCLY SL PORPHYRITIC, MN QFB REMS	5
372.0	374.5	QFB	ALT, SL CLC, CCC BANDS OF ANORTHOSITE	8/20F
374.5	391.0	FSPR PORPHYRY	RES QDF, AS BEFORE, ALT, NUM CAL AND LAUM FILLED FRAC	3F
391.0	420.5	HBL SCH	F GR, D GRE, M, POORLY BANDED, MN QTZ STR, LCLY CLC WITH BIO	13A
420.5	436.0	FSPR PORPHYRY	RES QDF, LCLY BL ABOUT FRAC, CONC CONS	3F
436.0	460.0	HB FSPR GN	MD TO C GR, LCLY F GR, D GRE, MN HBL SCH BANDS, LCLY CLC, FOL 75D13B/13A	20F
460.0	461.0	ANORTHOSITE	TYPICAL	13A
461.0	462.0	HBL SCH	MN SIL-BANDS	13A
462.0	465.0	FSPR PORPHYRY	RES QDF, SL BL	3F
465.0	474.5	HBL CL BIO GN	F GR, GRNSH GREY, SL BL ALT, FOL 80 DEG	13C
474.5	490.5	HBL SCH	F GR, M, D GREY GRE, MN QTZ STR	13A
490.5	494.0	SHEAR ZONE	FRAC, H CLC, ALT, CCC RSDH ZONES, MN LAUM FILLED FRAC	SZ
494.0	519.5	HBL SCH	F GR, D GRE, M	13A
519.5	523.0	QFH	SL PORPHYRITIC, RES A QDF, SHARP CONC CONS	8T
523.0	529.0	HBL FSPR GN	MD TO C GR, D GRE, OCC SMALL FSPR PORPHYRY	13B
529.0	531.0	FSPR PORPHYRY	A/A, RES QDF, SHARP CONC CONS	3F
531.0	537.5	QFHB	M-C GR, D GREY, LCLY D GRE HBL SCH, M, HOMOG	13M/13A
537.5	540.5	QFB	F GR, MD GREY, M, HOMOG, MN MAG, SHARP CONS	8D
540.5	545.0	HBL SCH	F GR, D GRE, OCC INT F GR QFB, LCL SIL QTZITE BANDS, LCLY CLC	13A
545.0	550.5	QFB	F GR, MD GREY, M, HOMOG, LARGE ROUND REMS OF HBL SCH	8D/13A
550.5	551.5	IF	SIL, H MAGC, WELL BANDED, MN PY, PO	10A
551.5	552.0	QFB	A/A	8D
552.0	553.0	HB BIO SCH	C GR, D GRE, SCS TEX	13C
553.0	553.5	QFB	A/A, CONS ARE DISC	8D
553.5	554.5	QFH		8T
554.5	556.0	HBL SCH	MD GR, D GRE, SMALL WHITE XTLS, MN QTZ STR	13A
556.0	558.0	IF	SIL, HIGHLY MAGC, WELL BANDED, 10% PO, LESSER PY	10A
558.0	568.5	FSPR PORPHYRY	RES QDF, SHARP CONS, APPEAR CONC, CCC BANDS OF HBL SCH	3F
568.5	570.0	IF	SIL, MODLY MAGC, 1-2% PY, CPY STR	10A
570.0	571.0	HBL SCH		13A
571.0	571.5	IF	A/A, 1% PY STR, TR CPY	10A
571.5	572.5	FSPR PORPHYRY	RES QDF	3F
572.5	578.0	HBL SCH	F GR, D GRE	13A
578.0	588.0	IF	SIL, BANDED, H MAGC, LCLY NM MAG, LCLY 10% PO, 1-2% CPY BLEBS	10A
588.0	610.0	IF	SIL, HIGHLY MAGC, WELL BANDED, LCLY 5-10% PO, LCLY NM, CPY BLEBS	10A
610.0	625.0	HBL SCH	F GR, D GRE, M, MN BIO	13A
625.0	626.0	HBL SCH	SL BL, RDSH ALTERATION, LAUM FRAC	13A
626.0	645.5	QFHB	F GR, D GRE, M, HOMOG, WKLY FOL, FOL 85 DEG, MN QTZ STR	13M
645.5	679.0	HBL SCH	F GR, D GRE, M, LCLY WKLY BANDED 85 DEG, MN QTZ VEINS, PY AND CPY13A	8T?
679.0	681.0	QTZ FSPR CL HB VEIN	PY AND CPY BLEBS AT MARGIN, CON 30 DEG	13A
681.0	682.0	HBL SCH		13C
682.0	684.0	HBL CL FSPR VEIN	M, VC GR, MN PG	13A
684.0	701.5	HBL SCH	F GR, D GRE, M, FOL 80 DEG	13A

9/12/87

701.5 702.5 HB FSPR VEIN
 702.5 729.0 HBL SCH
 729.0 735.0 IF
 735.0 736.0 QUARTZITE
 736.0 751.0 HB FSPR GN
 751.0 753.0 HBL SCH
 753.0 759.0 HB FSPR GN
 759.0 761.0 QFB
 761.0 774.5 HB FSPR GN
 774.5 776.5 QFHB
 776.5 779.5 HBL SCH
 779.5 785.0 QFHB
 785.0 786.5 HBL SCH
 786.5 794.0 QFHB
 794.0 795.5 QFHB
 795.5 810.0 HBL SCH
 810.0 816.0 HBL SCH
 816.0 823.0 HBL SCH
 823.0 824.0 DYKE
 824.0 825.5 HBL SCH
 825.5 829.0 HBL SCH
 829.0 831.0 FSPR PORPHYRY
 831.0 858.5 HBL SCH
 858.5 862.5 FSPR PORPHYRY
 862.5 871.0 HBL SCH
 871.0 872.0 FSPR PORPHYRY
 872.0 907.0 HBL SCH

C GR, SIMILAR TO 682-684, PO, PY STR ALONG MARGINS, TR CPY, PO BL13
 F GR, D GRE 13A
 WELL LAMINATED, SIL, HIGHLY MAGC, M PO, MN BLEBS CPY 10A
 WHITISH-D GRE, MA BANDS, WELL LAM, MA LENSES, STRETCHED FRAGS? 8M
 M-C GR, M-D GREY, LCLY BL, MN PO BANDS 13B
 F GR, D GRE, M, SHARP CONS, POSS A MA DYKE OR SILL 13A
 A/A, OCC PO BANDS 13B
 LT GREY, F GR, LOCAL INT HBL SCH 80/13A
 FN TO MD GR, D GREY-GRE, LCLY BANDED, LCL FSPR EYES, OCC STR PO 13B
 F GR, D GREY, RES QDD 13M
 F GR, D GRE 13A
 A/A, RES QDD, IRR SISC CONS, UP TO 2% DIS PY 13M
 A/A, SL BL, ALT, GEN VUGGY, 1-2% DI PY LCLY, GRAD LOWER CON 13A
 A/A, F GR, MD GREY, 1-2% DIS PY 13M
 F GR, D GRE, M, LOCAL PY, PO STR TO 5% 13A
 NUM SMALL WHITE MINERL GRAINS 13A
 F GR, D GRE, M, LOCAL CAL VEINS 13A
 RES A QDP, F GR, MD GREY, QFB COMPOSITION, PATY APPEARANCE
 NUM QTZ STR, MN PY ASS,
 F GR, D GRE 13A
 UPPER CON DISC, LOWER CON CONCORDANT AT 65 DEG, RES QDF DARK 3F
 F GR, D GRE, M TO WELL BANDED, OCC PEG BANDS, LCLY 2-3% PO 13A
 RES QDF, LOCAL BL HAIRLINE FRAC, CONC CONS TYPICAL 3F
 A/A, CONS CONC 80 DEG 13A
 F GR, D GRE, M TO LCLY BANDED, MN PY AND PO 13A

MAJOR UNIT

FROM TO MAJOR UNIT

HOLE-ID: S-337

SURVEY DATA

FOOTAGE	AZIMUTH	DIP
.0	240.0	-60.0
200.0	240.0	-57.5
400.0	240.0	-58.0
600.0	240.0	-57.5
800.0	240.0	-53.5

HOLE-ID: S-337

ASSAY DATA

FROM	TC	CU%	ZN%	AG opt	AU opt
215.5	216.5	.03	.02	.04	.00
251.0	252.5	.05	.03	.04	.00
550.5	551.5	.03	.02	.03	.00
556.0	558.0	.11	.01	.04	.00

HOLE-ID: S-337

PC-XPLOR VERSION 1.00
Exploration Data Manager
By GEMCOM SERVICES INC.

NORANDA INC. - GECO DIVISION
FARIES LAKE EXPLORATION PROGRAM

NORANDA GECO
Serial no: 20350
9/12/87 Page : 4

568.5	570.0	.16	.01	.04	.00
570.0	571.5	.06	.02	.04	.00
578.0	583.0	.07	.01	.06	.00
583.0	588.0	.04	.00	.03	.00
588.0	593.0	.04	.00	.02	.00
593.0	598.0	.04	.01	.00	.00
598.0	603.0	.02	.00	.04	.00
603.0	608.0	.06	.02	.03	.00
608.0	610.0	.02	.01	.02	.00
675.0	679.0	.04	.01	.01	.00
679.0	681.0	.03	.01	.02	.00
701.5	702.5	.05	.00	.01	.00
729.0	732.0	.10	.00	.02	.00
732.0	735.0	.15	.00	.02	.00
736.5	737.0	.06	.01	.02	.00
755.0	756.0	.03	.03	.02	.00
757.0	759.0	.05	.01	.02	.00
768.5	769.5	.01	.02	.02	.00
772.0	773.0	.05	.01	.01	.00
779.5	780.5	.01	.01	.00	.00
788.5	792.0	.03	.00	.01	.00
794.0	795.5	.04	.00	.00	.00
795.5	797.5	.05	.00	.02	.00
804.0	804.5	.04	.00	.00	.00
824.0	825.5	.02	.00	.03	.00
832.0	833.0	.06	.01	.01	.00
895.5	896.5	.04	.01	.02	.00



Ministry of
Northern Affairs
and Mines
Ontario

Report
of Work

W3804 107



42F04SE0002 12 MCGRAW LAKE

Mt Owen McGraw Lake Area G602

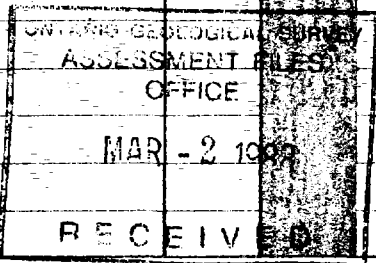
Mining

900

Name and Postal Address of Record Holder
Nuranda Minerals Inc. - Geco Division A 19911
P.O. Box 100, Manitowadge, Ontario, POT 2C0

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>92629342</i>	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only)									
See attached list									
<input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey									



All the work was performed on Mining Claim(s): **TB 864107, 864112, 864113, 864114, 864118, 864119, 864120**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

See attached list

work assignment:	days	balance
TB 864107	1659	2341
864112	563	3437
864113	2909	0
864114	340	3203
864118	1184	2816
864119	1740	2260
864120	447	2063

days available: *92629342* Q.M.
 days requested: *32203300* Q.M.
 credit balance: *6042* days

RECEIVED THUNDER BAY MINING DIVISION FEB 3 AM 11 36

Date of Report: **Feb. 1, 1988**
 Recorded Holder or Agent (Signature):

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 Postal Address of Person Certifying
F, Bakker, Nuranda Minerals Inc. - Geco Div., P.O. Box 100, Manitowadge, Ont. POT 2C0

Date Certified: _____ Certified by (Signature): _____

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Nil	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.		Nil



Mining Act

Name and Postal Address of Recorded Holder Noranda Minerals Inc. - Geco Division	Prospector's Licence No. A 19911
P.O. Box 100, Manitowadge, Ontario. POT 2C0	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only)	See attached list								
<input type="checkbox"/> Manual Work									
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.									
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.									
<input type="checkbox"/> Power Stripping									
<input checked="" type="checkbox"/> Diamond or other Core drilling									
<input type="checkbox"/> Land Survey									

All the work was performed on Mining Claim(s): **TB 864107, 864112, 864113, 864114, 864118, 864119, 864120**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

See attached list

RECEIVED
THUNDER BAY
MINING DIVISION
88 FEB 16 PM 12 22

Date of Report Feb. 11, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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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 Postal Address of Person Certifying
F. Bakker, Noranda Minerals Inc. - Geco Div., P.O. Box 100, Manitowadge, Ont. POT 2C0

Date Certified Feb 11, 1988	Certified by (Signature) <i>[Signature]</i>
---------------------------------------	--

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		

<u>Claim No.</u>	<u>Days</u>	<u>Claim No.</u>	<u>Days</u>
864101	60	TB 974651	20
864102	60	974652	20
864103	60	974653	20
864104	60	974654	20
864105	60	974655	20
864106	60	974656	20
864107	60	974657	20
864108	60	974658	20
864109	60	974659	20
864110	60	974660	20
864111	60	974661	20
864112	60	974662	20
864113	60	974663	20
864114	60	974664	20
864115	60	974665	20
864116	60	974666	20
864117	60	974667	20
864118	60	974668	20
864119	60	974669	20
864120	60	974080	20
864121	60	974081	20
864122	60	974082	20
864123	60	974083	20
864124	60	974084	20
864125	60	974085	20
864126	60	974086	20
864127	60	974087	20
864128	60	974088	20
864129	60	974089	20
864130	60	974090	20
908480	60	974091	20
908481	60	974092	20
908482	60	974093	20
908483	60	974094	20
908484	60	974095	20
908485	60		
908486	60		
908487	60		
908488	60		
908489	60		
908490	60		
908491	60		

60 140 a.m.

77 claims

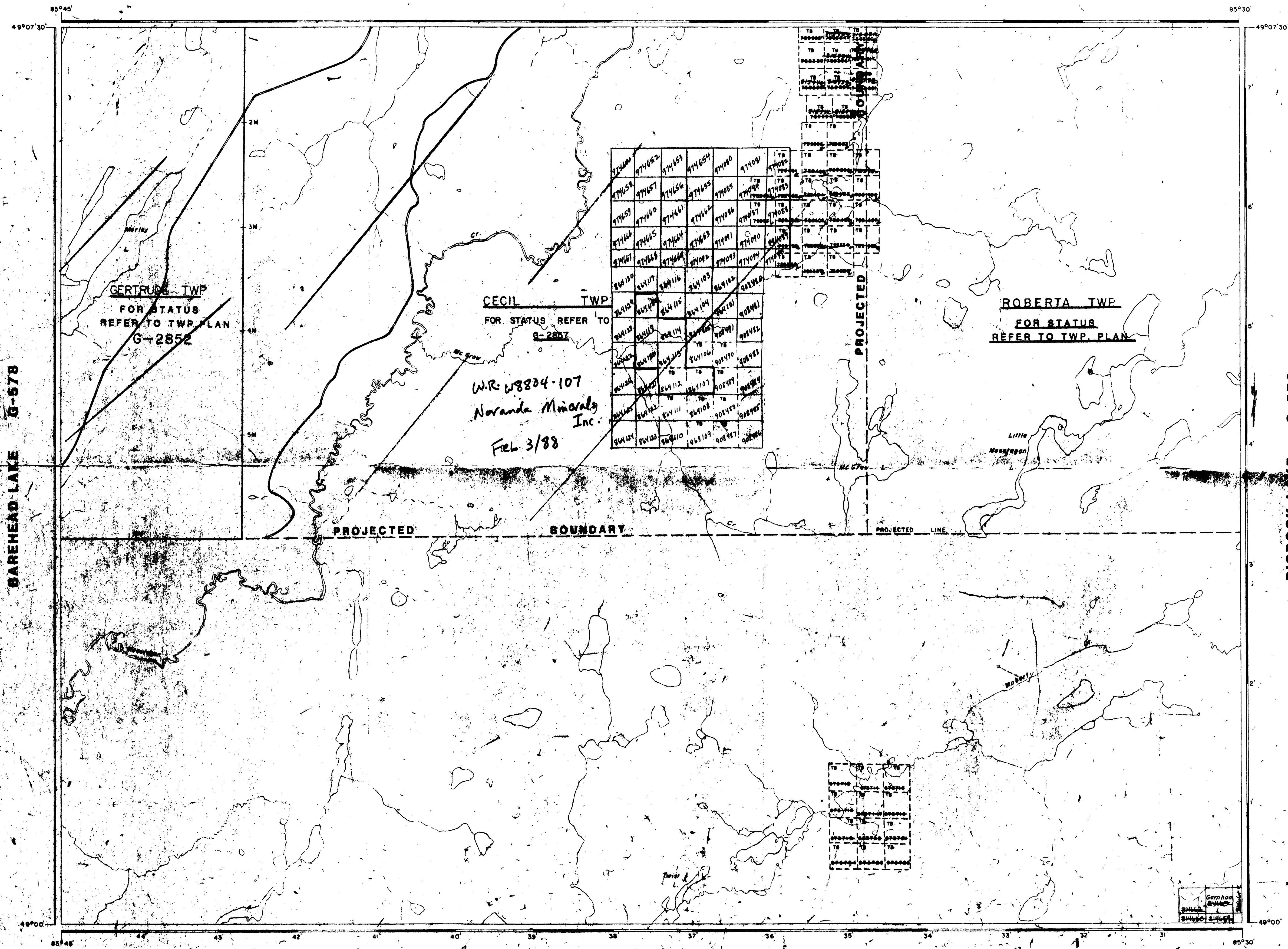
- D.D.Hole S-326: Length 923 ft., Az 240, Dip -60, Core Size BQ, drilled between April 19 - April 24, 1987.
- D.D. Hole S-327: Length 923 ft., Az 240, Dip -60, Core Size BQ, drilled between April 25 - April 30, 1987
- D.D. Hole S-328: Length 707 ft., Az 240, Dip -60, Core Size BQ, drilled between May 1 - May 4, 1987
- D.D. Hole S-329: Length 712 ft., Az 240, Dip -60, Core Size BQ, drilled between May 6 - May 11, 1987
- D.D. Hole S-330: Length 877 ft., Az 240, Dip -60, Core Size BQ, drilled between May 12 - May 17, 1987
- D.D. Hole S-331: Length 745 ft., Az 240, Dip -60, Core Size BQ, drilled between May 18 - May 22, 1987
- D.D. Hole S-332: Length 704 ft., Az 240, Dip -60, Core Size BQ, drilled between May 22 - May 25, 1987
- D.D. Hole S-333: Length 787 ft., Az 240, Dip -70, Core Size BQ, drilled between May 26 - May 30, 1987
- D.D. Hole S-334: Length 1244 ft., Az 240, Dip -60, Core Size BQ, drilled between May 31 - June 5, 1987
- D.D. Hole S-335: Length 757 ft., Az 240, Dip -70, Core Size BQ, drilled between June 6 - June 9, 1987
- D.D. Hole S-336: Length 905 ft., Az 240, Dip -90, Core Size BQ, drilled between June 9 - June 12, 1987
- D.D. Hole S-337: Length 907 ft., Az 240, Dip -60, Core Size BQ, drilled between June 13 - June 17, 1987

The above holes were drilled by N. Morissette Diamond Drilling Ltd.,
Haileybury, Ontario.

LOKEN LAKE G-597

REFERENCES

Improvement District of Manitowadge, cover Gertrude Twp.
File: 154466.



LEGEND

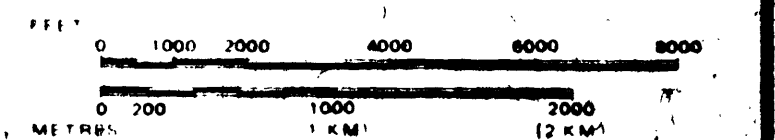
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIP BASE LINES, ETC.
- LOTS, MINING CLAIMS PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKOG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

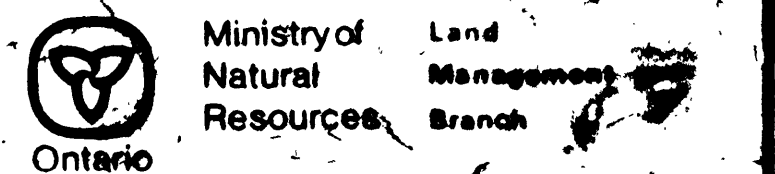
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



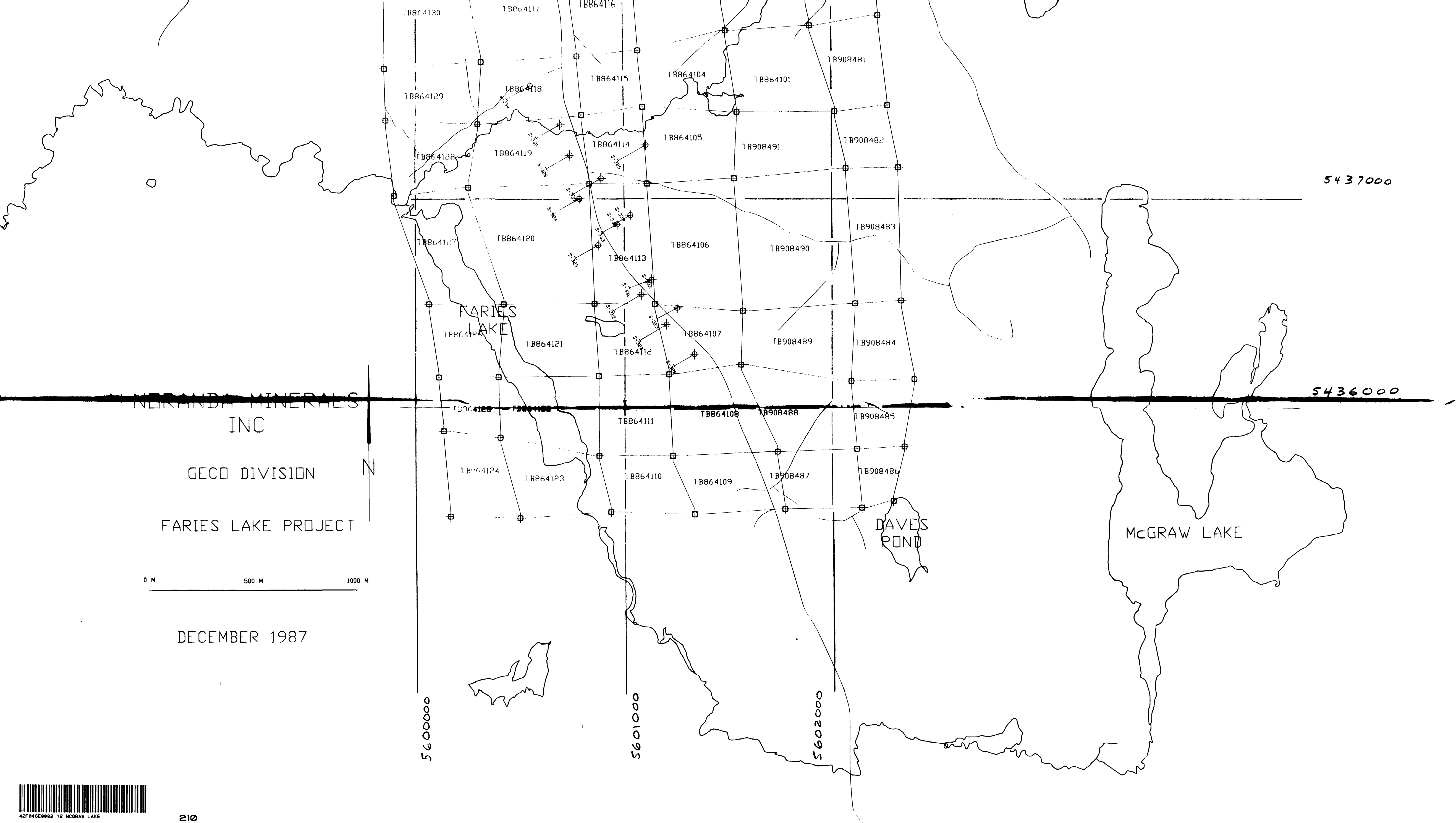
AREA

MC GRAW LAKE
M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY



Date: AUGUST 3/84 Number: **G-602**





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5436000

INDIANA MINERALS
INC

GECO DIVISION

FARIES LAKE PROJECT

0 M 500 M 1000 M

DECEMBER 1987



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