



52C10NW8307 67 HALKIRK

010

DIAMOND DRILLING

AREA: ~~FACTOR LAKE~~ HALKIRK + Farrington TWP

REPORT NO: #67

WORK PERFORMED FOR: Minnova

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

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
777338	ML-08	431.60m	Mar/88	(1)
830404	ML-09	411.10m	May/88	(1)
	ML-10	258m	May/88	(1)

NOTES: (1) W8901.111, date filed May/89

MOLE NUMBER: ML-08

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: SWELL BAY/MUDGE LAKE
PROJECT NUMBER: PH399
CLAIM NUMBER: 777338, 873627
LOCATION: BLISS LAKE ZONE

PLOTTING COORDS GRID: METRIC
NORTH: 1425.00S
EAST: 12900.00E
ELEV: 0.01

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -69° 0' 0"
LENGTH OF THE HOLE: 431.60m
START DEPTH: 0.00m
FINAL DEPTH: 431.60m

COLLAR GRID AZIMUTH: 360° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 340° 0' 0"

DATE STARTED: March 10, 1988
DATE COMPLETED: March 21, 1988
DATE LOGGED: March 23, 1988

COLLAR SURVEY: NO
MULTISHOT SURVEY: YES
ROD LOG: NO

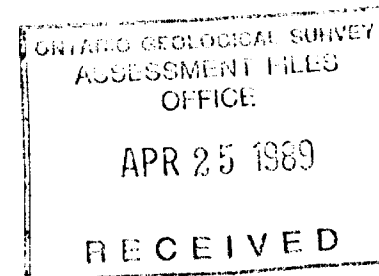
PULSE EM SURVEY: YES
PLUGGED: NO
HOLE SIZE: 80

CONTRACTOR: AMITY DRILLING
CASING: 27.5
CORE STORAGE: ROBINSON'S LANDING

PURPOSE:

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
24.50	-	-67° 0'	ACID		ROTCOIP ONLY	.	.	.	.	.	.
69.00	-	-66° 0'	ACID			.	.	.	.	.	.
129.50	-	-62° 0'	ACID		ROTCOIP MALFUNCTION	.	.	.	.	.	.
154.00	-	-63° 0'	ACID			.	.	.	.	.	.
178.50	-	-63° 0'	ACID			.	.	.	.	.	.
212.00	-	-61° 0'	ACID			.	.	.	.	.	.
212.00	-	-61° 0'	ACID			.	.	.	.	.	.
257.50	-	-60° 0'	ACID			.	.	.	.	.	.
281.50	-	-60° 0'	ACID			.	.	.	.	.	.
316.00	-	-57° 0'	ACID			.	.	.	.	.	.
340.00	-	-57° 0'	ACID			.	.	.	.	.	.
405.00	-	-53° 0'	ACID		ROTCOIP	.	.	.	.	.	.
410.30	-	-53° 0'	ACID		ROTCOIP	.	.	.	.	.	.
36.50	340° 0'	-67° 5'	MULTISHOT	OK		.	.	.	.	.	.
61.00	344° 0'	-66° 0'	MULTISHOT	OK		.	.	.	.	.	.
91.00	347° 0'	-64° 0'	MULTISHOT	OK		.	.	.	.	.	.
122.00	347° 0'	-63° 0'	MULTISHOT	OK		.	.	.	.	.	.
152.00	347° 0'	-63° 0'	MULTISHOT	OK		.	.	.	.	.	.
183.00	347° 0'	-63° 0'	MULTISHOT	OK		.	.	.	.	.	.
213.00	348° 0'	-62° 0'	MULTISHOT	OK		.	.	.	.	.	.
244.00	349° 0'	-60° 0'	MULTISHOT	OK		.	.	.	.	.	.
274.00	350° 0'	-59° 0'	MULTISHOT	OK		.	.	.	.	.	.
305.00	350° 0'	-58° 0'	MULTISHOT	OK		.	.	.	.	.	.
335.00	348° 0'	-56° 0'	MULTISHOT	OK		.	.	.	.	.	.
366.00	347° 0'	-54° 30'	MULTISHOT	OK		.	.	.	.	.	.
396.00	352° 0'	-52° 30'	MULTISHOT	OK		.	.	.	.	.	.
427.00	354° 0'	-52° 0'	MULTISHOT	OK		.	.	.	.	.	.

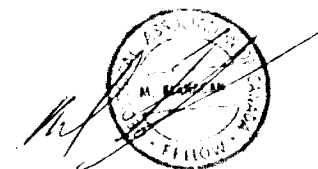


MOLE NUMBER: ML-08

DRILL HOLE RECORD

LOGGED BY: MIKE FLANAGAN

PAGE: 1



April 15, 1989

HOLE NUMBER: ML-08

MINNOVA INC.
DRILL HOLE RECORD

DATE: 4-July-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 24.70	OVERBURDEN «OB»					
24.70 TO 57.90	ANORTHOSITE «ANORT»	Coarse grained, moderately inhomogeneous, greyish green coloured intermediate intrusive. Coarse green-grey feldspar phenocrysts up to 80% of rock in fine grained chloritic matrix. Somewhat porphyritic. Local fine grained chlorite sections. @ 50.0-57.9 strongly sheared @	34			
57.90 TO 294.90	MAFIC «MA»	<p>Green, fine grained, homogeneous moderate to strongly chloritic mafic volcanic. Minor calcite veins. @ 189.8-197.0 increasing chlorite/sericite and (sheared) strong foliation @</p> <p>197.0-198.5 Mafic crystal tuff. Phenocrysts of feldspar and mafic mineral (chloritic) up to 2mm diameter comprising 20% of section.</p> <p>203.0-203.9 Very fine grained mafic with increased py sections of moderate fine grained mafic flow 201.6-205.3. Contact at 205.3</p> <p>208.6-222.6 Section with anhedral grains and grain aggregates up to 5mm in diameter of sulphides with minor coarse patches of sulphides. Contact @ 223.8</p> <p>224.0-225.3 Section with minor stringers of sulphides.</p> <p>225.0-225.3 5% sulphides.</p> <p>247.0-247.2 Barren chert section. Contact @</p>	47 50 49 46	<p>Moderate to strong chlorite throughout section.</p> <p>{57.9-294.9} «chloritic alt»</p>	<p>203.0-203.9 Finely disseminated pyrite < 2%.</p> <p>Py + po < 2%.</p> <p>Py + po 1%.</p> <p>{225.0-225.3} «py + po + cp 5%»</p> <p>Py + po 3% @ 249.2-249.4.</p>	<p>60.0- 63.0 MSD 1530 Na2O Zn 1.07 40 90.0- 93.0 MSD 1531 0.59 33 120.0-123.0 MSD 1532 1.03 51 150.0-153.0 MSD 1533 1.10 46 180.0-183.0 MSD 1534 1.03 51 191.0-194.0 MSD 1535 0.38 57 209.0-212.0 MSD 1536 0.98 41</p> <p>203.0-203.9 MSD 1985</p> <p>230.0-233.0 MSD 1537 0.43 39</p> <p>224.0-225.0 MSD 1986</p> <p>225.0-225.3 MSD 1987</p>

HOLE NUMBER: ML-08

DRILL HOLE RECORD

LOGGED BY: MIKE FLANAGAN

PAGE: 2

HOLE NUMBER: ML-08

MINNOVA INC.
DRILL HOLE RECORD

DATE: 4-July-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		263.9-266.1 Section with sericitic cherty bands and fragments in fine grained chloritic mafic. 286.0 Foliation @	40	Moderate to strong chlorite. Occasional medium to coarse grain sericite.	276.30-276.35 Cp stringers in sericitic feldspathic white bands. (Py) po, cp stringers increasing in abundance @ 281.3 approximately 5 veinlets/metre with average width of 1mm; to 287.7. 287.7-288.2 < 1% po, cp. 290.8-292.5 1% po, cp, no pyrite. 294.5-294.7 2% po, py.	260.0-263.0 MSD 1538 Na2O Zn 0.33 40 MSD 1991 to 1997. MSD 1988. 290.8-291.7 MSD 1989 291.7-292.4 MSD 1990 Na2O Zn 291.0-292.0 MSD 1539 0.66 150 S102 Cu/ppm 1539 28.3 1670
294.90 TO 297.60	«QE DYKE»	Grey to charcoal grey, fine grained, moderate equigranular intermediate to felsic dyke in contact with quartz +/- felds porphyritic dyke. Upper contact @ Quartz phenocrysts <= 5mm diameter comprising approximately 4% of porphyritic section. Several dark coloured (biotitic) fragments up to 7mm diameter may suggest pyroclastic.	39			This rock is similar to "Feeder dyke" in ML-04 compare litho samples ML-04 TBD 7351 S102 TiO2 Al2O3 Na2O 291.7-291.9 60.1 0.72 14.2 4.53 ML-08 MSD 1540 Na2O Zn 295.5-295.8 5.70 87 See also ML-02.
297.60 TO 298.20	MAFIC «MA»	Chloritic, strongly foliated mafic.				
298.20 TO 301.10	«QE DYKE»	Grey, fine grained qtz +/- feldspar porphyritic dyke.				2.3m of lost core I
301.10 TO 303.50	MAFIC «MA»	Chloritic, moderate to strongly foliated.		Chlorite, carbonate stringers.		

HOLE NUMBER: ML-08

DRILL HOLE RECORD

LOGGED BY: MIKE FLANAGAN

PAGE: 3

HOLE NUMBER: ML-08

MINNOVA INC.
DRILL HOLE RECORD

DATE: 4-July-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
303.50 TO 304.30	QE DYKE «QE DYKE»	Grey, qtz +/- feldspar porphyritic dyke; diffuse contacts.				
304.30 TO 332.10	MAFIC «MA»	Green, fine grained, homogeneous mafic. Moderately foliated. Foliated feldspar porphyritic mafic flow at 314.7-315.6. 329.6-331.4 Mafic with cherty - sericitic bands associated with py +/- po.		Strong chlorite.	Occasional po +/- cp stringers grading to py only, below 333.0.	MSD 1541 318.0-321.0 Na2O 0.41 Zn 46
332.10 TO 332.30	QE DYKE «QE DYKE»	Qtz +/- feldspar porphyritic dyke. Contact @	55			
332.30 TO 333.10	MAFIC «MA»	As above MA.				
333.10 TO 333.60	QE DYKE «QE DYKE»	Qtz +/- feldspar porphyritic dyke; diffuse contacts.				
333.60 TO 359.00	MAFIC «MA»	Green, fine grained mafic. Moderately to strongly foliated with sections containing feldspathic carbonate bands +/- pyrite. Medium grained mafic flow 350.3-351.9		Strong chlorite.		MSD 1542 352.0-355.0 Na2O 1.36 Zn 416
359.00 TO 424.10	SPHER RHY «SPHER RHY»	Green, heterogeneous textured variolitic/ spherulitic, hyaloclastic and amygdaloidal int/ mafic flows. Matrix chloritic. Thin interflow chloritic seds? and cherty mudstones. Siliceous medium to fine grained spherulites increasingly coalescing with concomitant decrease in chlorite at 380.3. 405.6-406.5 Coarse spherulitic unit. 408.4		Alteration weakening ?	1cm wide cp, po stringer at 385.7 chloritic, po rich 5cm band at 389.3. 394.2-395.0 1% disseminated py +/- sphal.	MSD 1543 365.6-367.1 Na2O 2.68 Zn 65 MSD 1544 398.0-401.0. 3.39 68

HOLE NUMBER: ML-08

DRILL HOLE RECORD

LOGGED BY: MIKE FLANAGAN

PAGE: 4

HOLE NUMBER: ML-08

MINNOVA INC.
DRILL HOLE RECORD

DATE: 4-July-1988

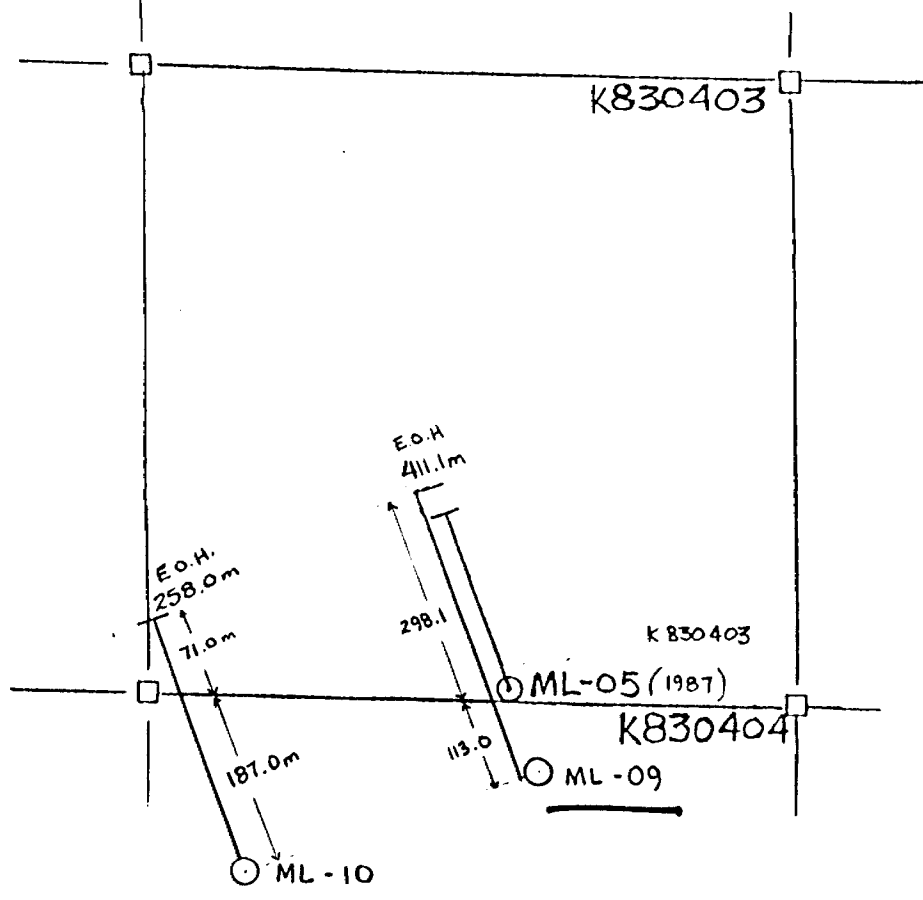
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Contact @ 408.4-409.0 Pink hematized fragments and fractures. 10cm wide, chloritic, po-rich metased at 411.5.	56 41			
424.10 TO 424.30	CHERT «CHERT»	Mineralized cherty metased.	63		412.4-412.9 1% disseminated po. 5% finely disseminated po, cp, sphal.	MSD 2000 Po 1%, Cp 0.5%, sphal 0.5% Cu/ppm 758 Zn/ppm 5640
424.30 TO 431.60	ANDESITE «ANDES» E.O.N.	Green, fine grained moderately homogeneous, weakly to moderate foliated andesite. Minor amygdaloidal sections. End of Hole.		Moderate chlorite.		

HOLE NUMBER: ML-08

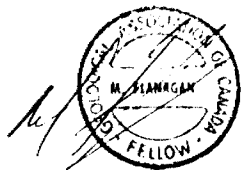
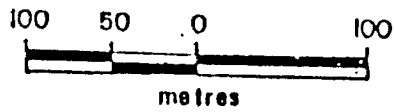
DRILL HOLE RECORD

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PAGE: 5



SWELL BAY
DRILL PLAN



ML-09

113.0 m

298.1 m

K830404

K830403

0 ————— 50
metres

411.1 m



MINNOVA INC.
DRILL HOLE RECORD

HOLE NUMBER: ML-09

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: SWELL BAY/MUDGE LAKE
PROJECT NUMBER: PN399
CLAIM NUMBER: 830404, 403
LOCATION: ML-05 ZONE

PLOTTING COORDS GRID: METRIC
NORTH: 450.00S
EAST: 12600.00E
ELEV: -4.00

ALTERNATE COORDS GRID:
NORTH: 0+ ON
EAST: 0+ OE
ELEV: 0.00

COLLAR DIP: -65° 0' 0"
LENGTH OF THE HOLE: 411.10m
START DEPTH: 0.00m
FINAL DEPTH: 411.10m

COLLAR GRID AZIMUTH: 360° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 340° 0' 0"

DATE STARTED: April 26, 1988
DATE COMPLETED: May 6, 1988
DATE LOGGED: May 5, 1988

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
ROD LOG: NO

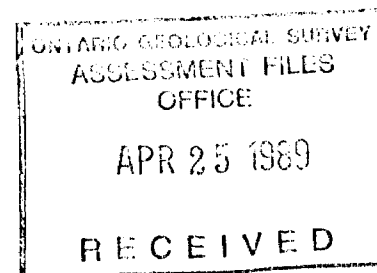
PULSE EM SURVEY: YES
PLUGGED: NO
HOLE SIZE: 8Q

CONTRACTOR: ST. LAMBERT DRILLING
CASING: 3.5m
CORE STORAGE: ROBINSON'S LANDING

PURPOSE: DOWN DIP EXTENSION OF ML-05 MINERALIZATION.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
6.00	-	-64° 0'	ACID	OK	ACID TEST CHECKS WITH ROTD.	150.00	-	-62° 0'	ROTDIP	OK	
162.00	-	-62° 0'	ACID	OK	ACID TEST 62 DEGREES	156.00	-	-61° 0'	ROTDIP	OK	
9.00	-	-64° 0'	ROTDIP	OK		171.00	-	-65° 0'	ROTDIP	OK	
15.00	-	-63° 0'	ROTDIP	OK		177.00	-	-62° 0'	ROTDIP	OK	
18.00	-	-63° 0'	ROTDIP	OK		183.00	-	-62° 0'	ROTDIP	OK	
24.00	-	-63° 0'	ROTDIP	OK		189.00	-	-62° 0'	ROTDIP	OK	
30.00	-	-64° 0'	ROTDIP	OK		195.00	-	-62° 0'	ROTDIP	OK	
33.00	-	-69° 0'	ROTDIP	OK		201.00	-	-62° 0'	ROTDIP	OK	
39.00	-	-63° 0'	ROTDIP	OK		204.00	-	-62° 0'	ROTDIP	OK	
45.00	-	-63° 0'	ROTDIP	OK		210.00	-	-62° 0'	ROTDIP	OK	
48.00	-	-63° 0'	ROTDIP	OK		213.00	-	-62° 0'	ROTDIP	OK	
54.00	-	-68° 0'	ROTDIP	OK		219.00	-	-62° 0'	ROTDIP	OK	
60.00	-	-63° 0'	ROTDIP	OK		225.00	-	-54° 0'	ROTDIP	OK	
66.00	-	-63° 0'	ROTDIP	OK		231.00	-	-62° 0'	ROTDIP	OK	
72.00	-	-63° 0'	ROTDIP	OK		234.00	-	-67° 0'	ROTDIP	OK	
78.00	-	-63° 0'	ROTDIP	OK		243.00	-	-61° 0'	ROTDIP	OK	
81.00	-	-63° 0'	ROTDIP	OK		249.00	-	-61° 0'	ROTDIP	OK	
87.00	-	-63° 0'	ROTDIP	OK		255.00	-	-61° 0'	ROTDIP	OK	
93.00	-	64° 0'	ROTDIP	OK		261.00	-	-61° 0'	ROTDIP	OK	
99.00	-	-62° 0'	ROTDIP	OK		267.00	-	-61° 0'	ROTDIP	OK	
105.00	-	-62° 0'	ROTDIP	OK		273.00	-	-61° 0'	ROTDIP	OK	
111.00	-	-62° 0'	ROTDIP	OK		279.00	-	-61° 0'	ROTDIP	OK	
117.00	-	-62° 0'	ROTDIP	OK		285.00	-	-60° 0'	ROTDIP	OK	
123.00	-	-62° 0'	ROTDIP	OK		291.00	-	-60° 0'	ROTDIP	OK	
129.00	-	-63° 0'	ROTDIP	OK		297.00	-	-59° 0'	ROTDIP	OK	
135.00	-	-63° 0'	ROTDIP	OK		303.00	-	-59° 0'	ROTDIP	OK	
138.00	-	-62° 0'	ROTDIP	OK		309.00	-	-58° 0'	ROTDIP	OK	
144.00	-	-62° 0'	ROTDIP	OK		315.00	-	-58° 0'	ROTDIP	OK	



HOLE NUMBER: ML-09

DRILL HOLE RECORD

LOGGED BY: MIKE DUROSE + M. FLANAGAN PAGE: 1

April 18, 1989

HOLE NUMBER: ML-09

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS:

METRIC UNITS: X

PROJECT NAME: SWELL BAY/MUDGE LAKE
PROJECT NUMBER: PN399
CLAIM NUMBER: 830404, 403
LOCATION: ML-05 ZONE

PLOTTING COORDS GRID: METRIC
NORTH: 450.00S
EAST: 12600.00E
ELEV: -4.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0W
EAST: 0+ 0E
ELEV: 0.00

COLLAR DIP: -65° 0' 0"
LENGTH OF THE HOLE: 411.10m
START DEPTH: 0.00m
FINAL DEPTH: 411.10m

COLLAR GRID AZIMUTH: 360° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 340° 0' 0"

DATE STARTED: April 26, 1988
DATE COMPLETED: May 6, 1988
DATE LOGGED: May 5, 1988

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
ROD LOG: NO

PULSE EM SURVEY: YES
PLUGGED: NO
HOLE SIZE: 80

CONTRACTOR: ST. LAMBERT DRILLING
CASING: 3.5m
CORE STORAGE: ROBINSON'S LANDING

PURPOSE: DOWN DIP EXTENSION OF ML-05 MINERALIZATION.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
321.00	-	-60° 0'	ROTODIP	OK		.	.	.	.	.
327.00	.	-60° 0'	ROTODIP	OK		.	.	.	.	.
333.00	.	-60° 0'	ROTODIP	OK		.	.	.	.	.
339.00	.	-60° 0'	ROTODIP	OK		.	.	.	.	.
345.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
348.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
354.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
360.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
366.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
372.00	.	-60° 0'	ROTODIP	OK		.	.	.	.	.
378.00	.	-59° 0'	ROTODIP	OK		.	.	.	.	.
384.00	.	-58° 0'	ROTODIP	OK		.	.	.	.	.
390.00	.	-57° 0'	ROTODIP	OK		
396.00	.	-58° 0'	ROTODIP	OK		
402.00	.	-57° 0'	ROTODIP	OK		
408.00	.	-57° 0'	ROTODIP	OK		
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HOLE NUMBER: ML-09

DRILL HOLE RECORD

LOGGED BY: MIKE DUROSE + M. FLANAGAN PAGE: 2

HOLE NUMBER: ML-09

MINNOVA INC.
DRILL HOLE RECORD

DATE: 3-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.50	OVERBURDEN «OB»					
3.50 TO 22.50	GABBRO «GB»	Green, medium grained, homogeneous, equigranular, poorly foliated gabbro.				
22.50 TO 262.20	QUARTZ EYE RHYOLITE «QE RHY»	<p>Grey, fine grained, moderately-homogeneous, Qtz xtal tuff. Qtz phenos < 1mm diameter, comprising 10% of unit. Pale grey siliceous patches with garnetiferous cores +/- chlorite; lapilli fragments? Qtzose frags representing pumice frags? @ 130.5-153.0 + 164.9-171.3</p> <p>"Lampophyre dykes" @</p> <p>{202.4-203.4} «lamp dyke» {205.3-207.5} «lamp dyke» {229.3-230.4} «lamp dyke» {252.0-252.8} «lamp dyke»</p> <p>Greenish grey, medium to fine grained, with chloritic/biotitic fragments <math>\leq 4\text{mm}</math> in diameter.</p> <p>{216.0-218.9} «ma dyke» Green, fine grained mafic dyke.</p> <p>{243.8-244.7} «ma dyke» Green very fine grained mafic dyke or flow?</p> <p>256.8-262.2 Rounded siliceous fragments (lapilli) in moderately siliceous fine grained matrix. Distinct angular fragments @ 201.2-213.1 (lithic tuff).</p>	45	<p>Minor intervals of silicification.</p> <p>silicification becoming increasingly pervasive @ 221.0 +/- fracture filling chlorite.</p> <p>{222.0-264.1} «silicif, bleached»</p>	<p>Trace.</p> <p>Wipe of honey coloured apatite at 170.3-170.4, 172.0-172.2.</p>	<p>1551 33.0-36.0 Litho. 1552 63.0-66.0 Litho. 1553 93.0-96.0 Litho. 1554 120.0-123.0 Litho. 1555 150.0-153.0 Litho. 1556 170.2-172.2 Litho. 1557 180.0-183.0 Litho. 1558 210.0-213.0 Litho. 1559 231.0-234.0 Litho.</p>
262.20 TO 264.10	FRAGMENTAL BRECCIA «FRAG BX»	Grey to bleached grey fragmental to brecciated rhyolite. Garnetiferous clasts.		Moderately to strongly silicified.	Trace.	1560 261.0-264.0 Litho.
264.10 TO 273.30	TUFFACEOUS SEDIMENTS WITH EXHALITE BEDS «TUFF SEDS»	Grey to brownish grey, fine to very fine grained, finely bedded to laminated, moderately foliated ash tuffs with minor exhalite beds at 264.35, 264.90, 265.9, 268.9, 271.40. Qtz vein with po, galena @ 269.7.	40	{264.1-273.3} «chlorite»	{268.6-269.1} «sphal exhalite»	1561 266.0-267.0 Litho.

HOLE NUMBER: ML-09

DRILL HOLE RECORD

LOGGED BY: MIKE DUROSE + M. FLANAGAN

PAGE: 3

HOLE NUMBER: ML-09

MINNOVA INC.
DRILL HOLE RECORD

DATE: 3-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
273.30 TO 344.30	RHYOLITE LITHIC TUFF «RHYO TUFF»	Grey, fine grained, moderately homogeneous, crystal lithic tuff +/- pumaceous frags. Fine qtz phenocrysts comprising 40%. Local large quartz-garnet "clasts".		Patchy silicification. Patchy chlorite at 337.4-337.5.	{337.4-337.5} «py, chl alt» Diss Py.	1562 291.0-294.0 Litho. 1563 321.0-324.0 Litho.
344.30 TO 354.20	TUFFACEOUS SEDIMENTS WITH TUFF EXHALITE»	Dark green with brownish tint, fine grained, finely laminated ash tuff. Zones of sphalerite bearing cherty exhalite occur in bands 1-8cm thick. Sulphides occur parallel and oblique to laminations. In one area between interval 352.4-352.5, there is a zone of brecciation quartz fragments 0.2-1mm in diameter. Matrix between grains is chlorite +/- {352.4-352.5} «breccia»	40	Chlorite and siliceous alteration. {351.75-351.80} «sphal, py, exhal»	1% Zn, 0.5% Pyrite. {346.4-346.55} «60% py, MS» {347.9-348.3} «sphal, py exhal» 348.5-348.55 «sphal, py, exhal» 348.7-348.8 «sphal, py exhal»	This zone shows chloritic and silicified alteration, with associated sphalerite-pyrite mineralization. Fragments in brecciated zone have moved on a mm scale, and can be pieced together.
354.20 TO 364.20	«SILTY SEDS»	Grey, aphanitic, weakly schistose, homogeneous rock. Locally, there are zones of lighter green "silicified" areas ranging from 5 to 20cm thick. {356.9-360.1} «lamprophyre dyke» Blackish green, fine to medium grained, with chlorite, biotite, epidote. {363.6-364.1} «lamprophyre dyke» Blackish green, fine to medium grained, with chlorite, biotite, epidote.		Chlorite and silica.	Trace pyrite (< 0.5%).	The lighter green "patches" may represent local zones silica enrichment. Check litho sample TBD 7379. 355.0-356.5.
364.20 TO 370.00	«E. RHYOLITE» «Q.E. RHYO»	Dark grey-green, very fine grained tuff containing lensoid bluish white quartz eyes 0.5mm in length. In some areas, brown wisps of sphalerite? are seen. The zone shows a moderately strong schistosity.	43	Chlorite.	0.2% Zn	Brownish colouration may represent sphalerite, or sericite.
370.00 TO 411.10	APHANITIC RHYOLITE OR SILTY SED? «SILTY SED»	Dark grey green, aphanitic, weakly schistose. Quartz eyes (< 1%) are subrounded and purplish blue.		Chlorite moderate.	0.1% pyrite. 0.1% pyrrhotite.	This rock may represent an altered (chloritic) felsic tuff or flow rock, but chemistry more akin to andesite or seds.

HOLE NUMBER: ML-09

DRILL HOLE RECORD

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PAGE: 4

HOLE NUMBER: ML-09

MINNOVA INC.
DRILL HOLE RECORD

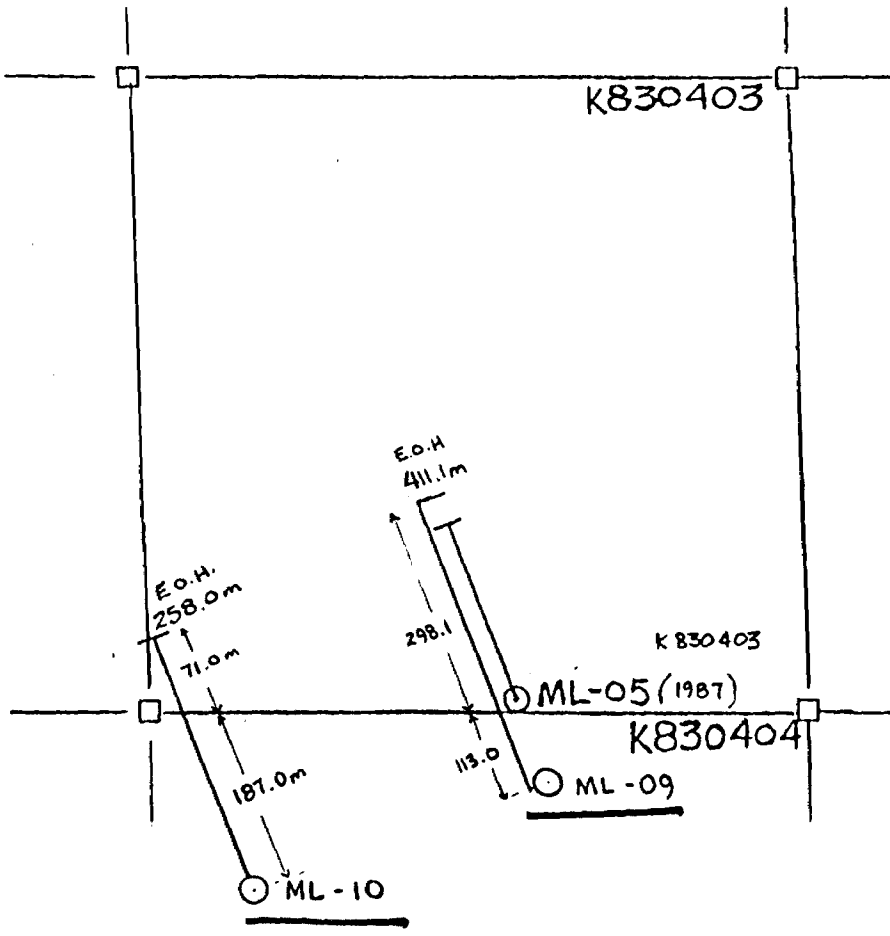
DATE: 3-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	E.O.H.	<p>387-387.1 Breccia. Angular milky quartz fragments 0.1-0.2mm in an aphanitic chlorite matrix.</p> <p>387.6-391.7 Epidote Breccia. Light green with patches of dark green, subangular fragments 0.2-8cm in diameter. Composed of 70% epidote, 20% chlorite 10% hematized siliceous zones.</p> <p>396.0-407.4 Aphanitic Rhyolite containing local zones of siliceous enrichment which occur in bands 1-6cm thick.</p> <p>410.5-411.1½ «qtz veining» Quartz vein. Milky quartz vein 1cm thick cuts through aphanitic chlorite rich zones. This area contains 0 1-2% disseminated pyrite.</p> <p>End of Hole.</p>				fault breccia ?

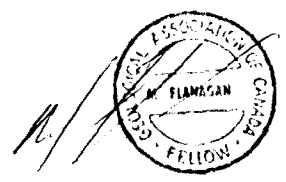
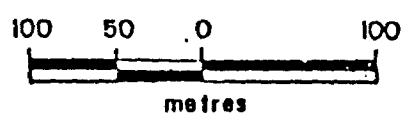
HOLE NUMBER: ML-09

DRILL HOLE RECORD

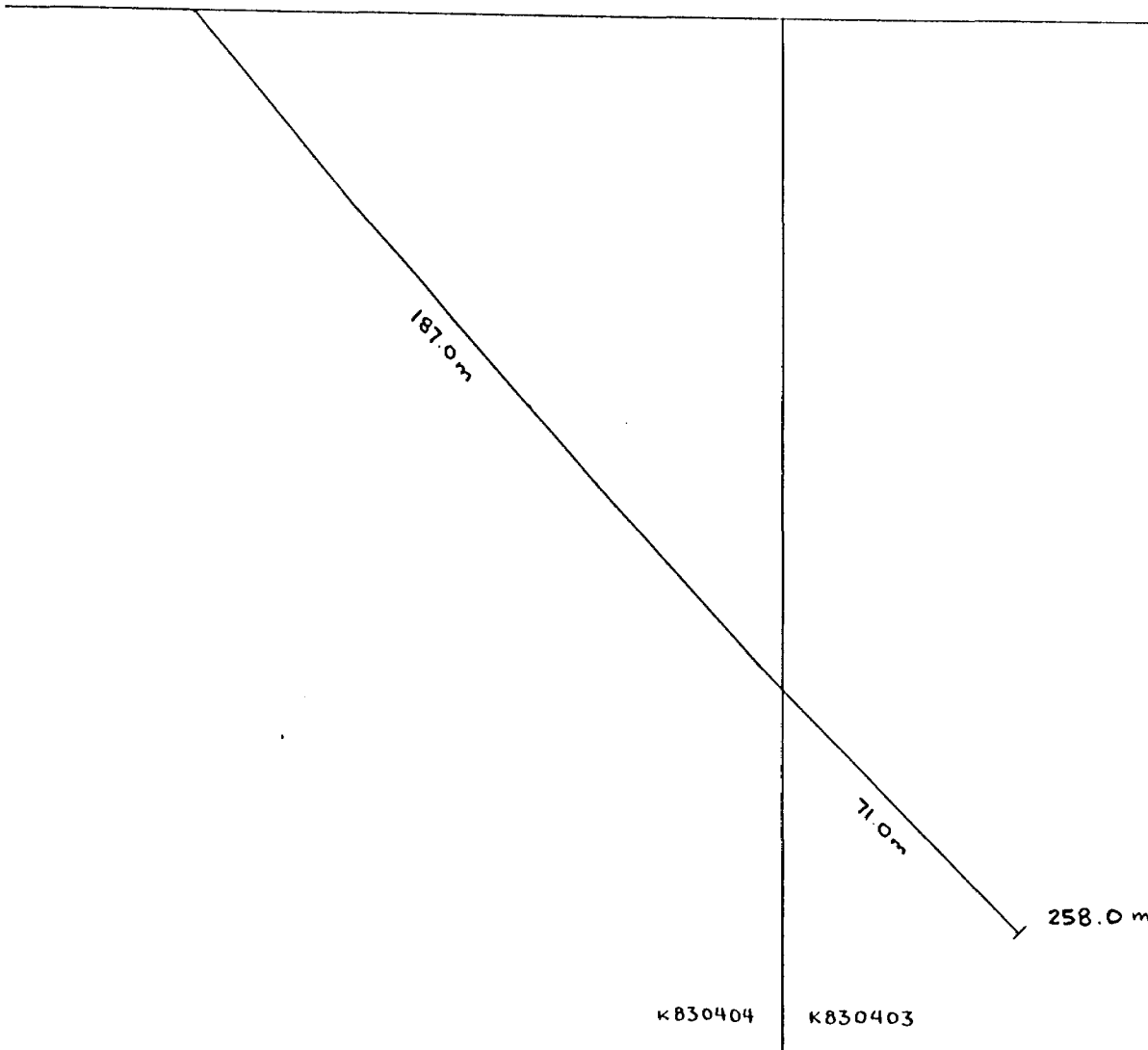
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SWELL BAY
DRILL PLAN



ML-10



0 50
metres



MINNOVA INC.
DRILL HOLE RECORD

HOLE NUMBER: ML-10

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: SWELL BAY/MUDGE LAKE
PROJECT NUMBER: PN399
CLAIM NUMBER: 830404 403
LOCATION: ML-05 ZONE

PLOTTING COORDS GRID: METRIC
NORTH: 450.00S
EAST: 12400.00E
ELEV: -4.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 258.00m
START DEPTH: 0.00m
FINAL DEPTH: 258.00m

COLLAR GRID AZIMUTH: 360° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 340° 0' 0"

DATE STARTED: May 6, 1988
DATE COMPLETED: May 12, 1988
DATE LOGGED: May 11, 1988

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

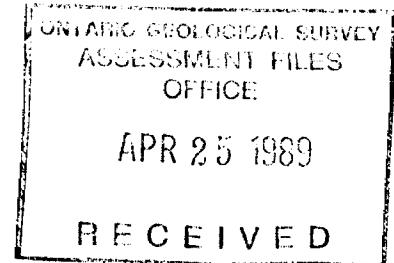
PULSE EM SURVEY: YES*
PLUGGED: NO
MOLE SIZE: 80

CONTRACTOR: ST. LAMBERT LTD.
CASING: 6.5m
CORE STORAGE: ROBINSON'S LANDING

PURPOSE: WESTERN STRIKE EXTENSION OF ML-05 MINERALIZATION.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
7.00	-	-50° 0'	ACID		ACID TEST 50 DEGREES	177.00	-	-47° 0'	ROTOIP	OK	
125.00	-	-49° 0'	ACID		ACID TEST 49 DEGREES	183.00	-	-46° 0'	ROTOIP	OK	
258.00	-	-47° 0'	ACID	OK	ACID TEST AT END OF HOLE.	189.00	-	-46° 0'	ROTOIP	OK	
12.00	-	-50° 0'	ROTOIP	OK		198.00	-	-45° 0'	ROTOIP	OK	
18.00	-	-52° 0'	ROTOIP			204.00	-	-45° 0'	ROTOIP	OK	
33.00	-	-50° 0'	ROTOIP	OK		210.00	-	-47° 0'	ROTOIP		
39.00	-	-58° 0'	ROTOIP			216.00	-	-45° 0'	ROTOIP	OK	
45.00	-	-49° 0'	ROTOIP	OK		222.00	-	-44° 0'	ROTOIP	OK	
51.00	-	-49° 0'	ROTOIP	OK		225.00	-	-45° 0'	ROTOIP	OK	
57.00	-	-50° 0'	ROTOIP	OK		228.00	-	-45° 0'	ROTOIP	OK	
60.00	-	-48° 0'	ROTOIP	OK		234.00	-	-45° 0'	ROTOIP	OK	
66.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
72.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
78.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
84.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
93.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
99.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
105.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
111.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
120.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
126.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
129.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
138.00	-	-53° 0'	ROTOIP			.	.	.	.	.	.
144.00	-	-52° 0'	ROTOIP			.	.	.	.	.	.
147.00	-	-48° 0'	ROTOIP	OK		.	.	.	.	.	.
153.00	-	-47° 0'	ROTOIP	OK		.	.	.	.	.	.
165.00	-	-47° 0'	ROTOIP	OK		.	.	.	.	.	.
171.00	-	-53° 0'	ROTOIP			.	.	.	.	.	.



HOLE NUMBER: ML-10

DRILL HOLE RECORD

LOGGED BY: H.C. DUROSE

PAGE: 1



FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.50	OVERBURDEN «OB»					
6.50 TO 87.30	QE'D RHYOLITE WITH HETEROGENEOUS LAPILLI SIZED FRAGS «QE'D RHYO»	<p>Gray to bleached grey, locally dark green; 35% rounded, blue, 1mm quartz phenocrysts in an aphanitic grey matrix.</p> <p>Lapilli size fragments form 15% and include:</p> <p>(a) lensoid biotite-quartz patches surrounded by white silicic halos;</p> <p>(b) irregular shaped to subangular chlorite-pyrite rich fragments (2-3cm in diameter);</p> <p>(c) subrounded garnet (pyrope?) chlorite-biotite rich frags surrounded by a white silicified halo;</p> <p>(d) greyish white 1-4cm long angular calcite frags surrounded by 0.5mm thick zone of chlorite, which in turn are rimmed by 0.5-2cm thick halos of greyish white quartz.</p>		<p>Silicified patches throughout.</p> <p>{20.0-20.1} «silic»</p> <p>Local patches of chlorite.</p> <p>{11.2-11.5} «chl alt, py»</p> <p>1-2mm greenish-grey pseudo hexagonal spots found overgrowing chlorite rich zone containing blue quartz eyes.</p>	Local zones of pyrite form 0.2%, associated with zones of chloritic alteration.	<p>This interval is QE'd Rhyolite which appears to have been affected by Hydrothermal solutions as evidence by:</p> <p>a) chlorite alteration</p> <p>b) silica alteration</p> <p>1571 30.0-33.0 Litho.</p> <p>1572 60.0-63.0 Litho</p>
87.30 TO 90.00	BRECCIATED QE'D RHYOLITE WITH SERICITE ALTERATION «BX QE'D RHYO, SER ALT»	<p>Olive green to greyish white, aphanitic, 0.5-1mm QE'D rhyolite form zone of brecciation. Characterized by hairline to 0.3mm wide qtz-pyrite matrix forming veinlets separating angular silicified QE'D Rhyolite frags separating angular silicified QE'D Rhyolite frags which contain rounded, blue QE's.</p> <p>The breccia fragments have moved on a mm scale and can be pieced together.</p> <p>{87.3-90.0}</p> <p>Pseudo Breccia.</p> <p>Dark green aphanitic chlorite matrix 0.10-0.5mm wide separates irregular shaped subangular to rounded musky-yellow zones; sericite.</p>		<p>87.8-88.8 Sericite.</p> <p>Silicified patches throughout.</p> <p>Chlorite-sericite.</p> <p>Silica,</p> <p>«DAL»</p>	87.7-87.8 py, 1% 1% pyrite.	<p>Sulphides occur in hairline fractures. Sericite, silica and pyrite found in this interval.</p> <p>LITHO SAMPLE TBD 7370.</p> <p>87.3-90.0</p>
90.00 TO 145.60	FRACTURED QE'D RHYOLITE WITH CHLORITE	<p>90.0-91.6</p> <p>Grey-green, aphanitic, local qtz fractures 0.01-0.2mm wide.</p> <p>Reddish-pink garnets 0.05m are locally present</p>		<p>Chlorite.</p> <p>Silica</p>		<p>1573 93.0- 96.0 Litho.</p> <p>1574 111.0-114.0 Litho.</p> <p>1575 129.0-132.0 Litho.</p>

HOLE NUMBER: ML-10

MINNOVA INC.
DRILL HOLE RECORD

DATE: 1-January-1980

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	SILICA ALTERATION, LOCALLY BRECCIATED «QE'D RHYO, CHLR, SIL ALT, LOCAL BX»	<p>form 1%.</p> <p>91.6-92.15 Zone of silicification characterized by whitish grey area containing 0.05-1.10mm diameter blue, QE's. Local zones of brecciation.</p> <p>92.15-93.0 Dark green, matrix with greyish white patches, thin 1-2mm laminations of pyrite +/- sphal in chlorite rich zones. Rounded bluish QE's form 10% and are found throughout.</p> <p>Angular lapilli sized fragments are composed of chlorite and garnet (pyrope) and form 5%-10% of rock.</p> <p>93.0-101.1 Dark green, very fine grained, 15-20%, blue 0.5-1mm diameter qtz phenos, bands of dark brown sphalerite forms up to 1%, small zones of pyrite occur in highly silicified and/or chloritized zones which are commonly brecciated. Locally, pyrite, is massive over distance of 0.03-0.05m.</p> <p>101.1-101.3 Zone of brecciation characterized by subangular, dark green, 1cm-0.5cm long fragments found floating in a matrix of milky qtz +/- py.</p>	45	<p>Silica.</p> <p>Chlorite.</p> <p>Silicification.</p> <p>Chloritic and silicified areas throughout commonly associated with local zones of brecciation.</p> <p>Silicification. Chloritization.</p>	<p>5% Pyrite 0.2% Zn</p> <p>0.2% Py</p> <p>94.7-94.76 20% py Occurs as "net texture" around QE'd rhyolite frags.</p> <p>{95.70-95.75} «sphal, 1-10%» 0.5% Zn (net texture).</p> <p>{99.2-99.25} «py, 35%» Occurs in qtz filled fractures, associated with a zone of strong silicification.</p> <p>99.6-100.0 30% py Occurs in fractured zone.</p> <p>100.1-100.15 10% py Occurs in qtz filled fract. (hairline) between silicified Q.E. Rhyolite frags.</p> <p>0.5% pyrite.</p>	<p>Rock generally chlorite rich but contains zones of silicification and high sulphide concentrations.</p>

HOLE NUMBER: ML-10

DRILL HOLE RECORD

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PAGE: 3

HOLE NUMBER: ML-10

MINNOVA INC.
DRILL HOLE RECORD

DATE: 1-January-1980

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>101.3-105.0 Green to grey, fine grained matrix containing round 1.0-0.5mm blue quartz phenos (15%), red and white lapilli sized angular to subangular pyrope-quartz fragments (20%).</p> <p>105.0-105.5 Zone of brecciation containing silicified 2-5cm long angular fragments. Some fragments are pseudo hexagonal amygdules. Fracture filling material is aphanitic grey qtz which occurs in fractures in thickness.</p> <p>105.5-145.6 Greyish green, patchy white, aphanitic matrix, contains 10-15% 2-5mm bluish white qtz phenos. Qtz-filled fracturing increases from 115.5-145m. Angular lapilli size frags form 15% and occur throughout (15-20%) and have silicified halos.</p>		<p>103.0-110.2 Silicification. Chloritization.</p> <p>Chlorite and silicification throughout.</p>	<p>0.3% pyrite.</p> <p>Local intervals of 1-2% py.</p>	
145.60 TO 156.80	TUFFACEOUS SEDIMENTS «TUFF SEDS»	<p>145.6-149.0 tuff seds Brownish black to dark green, very fine grained to fine grained, finely laminated, tuffaceous sediment containing fine laminations of brown sphalerite and dustings of pyrite and po. 2% lenticular qtz frags occur up to 1cm in length.</p> <p>{149.0-149.2} «lamp dyke» Greyish green, fine to medium grained, contains 0.1-0.2mm black subangular chlorite-biotite minerals, 1% py.</p> <p>149.2-149.5 tuff seds Grey, very fine grained, finely laminated tuffaceous seds containing pink and green lenticular silicified fragment 3cm in length.</p> <p>{149.5-150.9} «lamp dyke» Greyish green, fine to medium grained, contains 0.1-0.2mm black subangular chlorite-biotite minerals, 1% py.</p>	50 36	<p>Minor chlorite throughout.</p> <p>Slight silicification.</p>	<p>145.7-145.72 0.5% Zn 3.0 Py 1.0% Po Occur as fine laminations or as very fine grained dusting.</p> <p>1% Py.</p> <p>0.5% Py.</p> <p>1% py.</p>	<p>1576 147.0-150.0 Litho.</p> <p>Sharp contact with seds.</p> <p>Sharp contact with seds.</p>

HOLE NUMBER: ML-10

DRILL HOLE RECORD

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PAGE: 4

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
156.80 TO 166.40	«TUFFACEOUS CHERTY EXHALITES»	Blackish brown, locally zones of green and white. Very fine to fine grained. Finely laminated ash tuff. Thin bands (0.2-0.5cm) of sulphides (sphal, py) occur parallel to laminations and form 0.5-1%. In some areas, grey to reddish brown silicified fragments are found.	37	Chlorite pervasive throughout.	.05-1% pyrite occurs as fine dustings parallel to laminations, or as 0.3mm long irregular shaped grains. 0.5-1% sphalerite occurs as finely laminated threads parallel to laminations.	Tuffaceous Sed containing sulphides + chert laminations. Unit appears to be sheared slightly.
166.40 TO 183.90	TUFFACEOUS SEDIMENTS «TUFF SED»	{176.9-179.3} Biotite-chlorite carbonate tuff «bio, chl, carb tuff seds» seds Black, dark green, and white, local zones of bronze-brown. Fine grained, finely laminated, schistose tuffaceous sediment containing 40% fine grained biotite, 40% chlorite, 15% carbonate (possibly white calcite - fizzed well with acid). Lenticle 1-2cm long bluish white qtz fragments form 4-5% of unit, and occur with long axis of grains parallel to schistosity planes. 179.3-183.9 tuff seds Brownish black, fine grained, equigranular, finely laminated tuffaceous sediment. 5% biotite, 25% chlorite, 14% calcite, 0.5% pyrite. Small (0.02-0.05mm) rounded detrital qtz grains form 5% of unit.	42 41	Chlorite. Carbonate? Minor chlorite carbonate.	Trace pyrite (up to 1%) occur as threads parallel to schistosity planes. 0.5-1% py occurs as thin thread like grains generally parallel to laminations.	Calcite veins x-cut through, or are parallel to schistosity. 1577 171.0-174.0 Litho.
183.90 TO 186.90	EPIDOTE BRECCIA «EPIDOTE BX»	Light green, fine to coarse grained, schistose, matrix supported breccia. Angular to subrounded clear and milky quartz fragments form 15-20% of unit, and are found floating in a fine grained chlorite-muscovite, epidote matrix. Quartz bearing, hair-line fractures x-cut throughout unit.	39	Pervasive silica, epidote.		Fault. 1578 183.9-186.7 Litho.
186.90 TO 200.10	TUFFACEOUS SEDIMENT «TUFF SEDS»	186.9-192.1 tuff seds Bronzy brown to black, light green, white, fine to coarse grained, highly schistose tuffaceous sediment 70% biotite, 20% carbonate, 10% chlorite. Lenticle 0.2-2cm long boundinaged grey carbonate (calcite?) fragments occur in a fine grained matrix of biotite +/- chlorite. Fragments are matrix supported.	51	Minor chlorite, carbonate.	0.5% pyrite occurs as fine disseminations throughout unit.	Carbonate fragments show evidence of shearing and rotation. Some grains have boudinaged structures others have "winged" structures. Shear zone ?

HOLE NUMBER: ML-10

MINNOVA INC.
DRILL HOLE RECORD

DATE: 1-January-1980

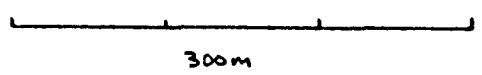
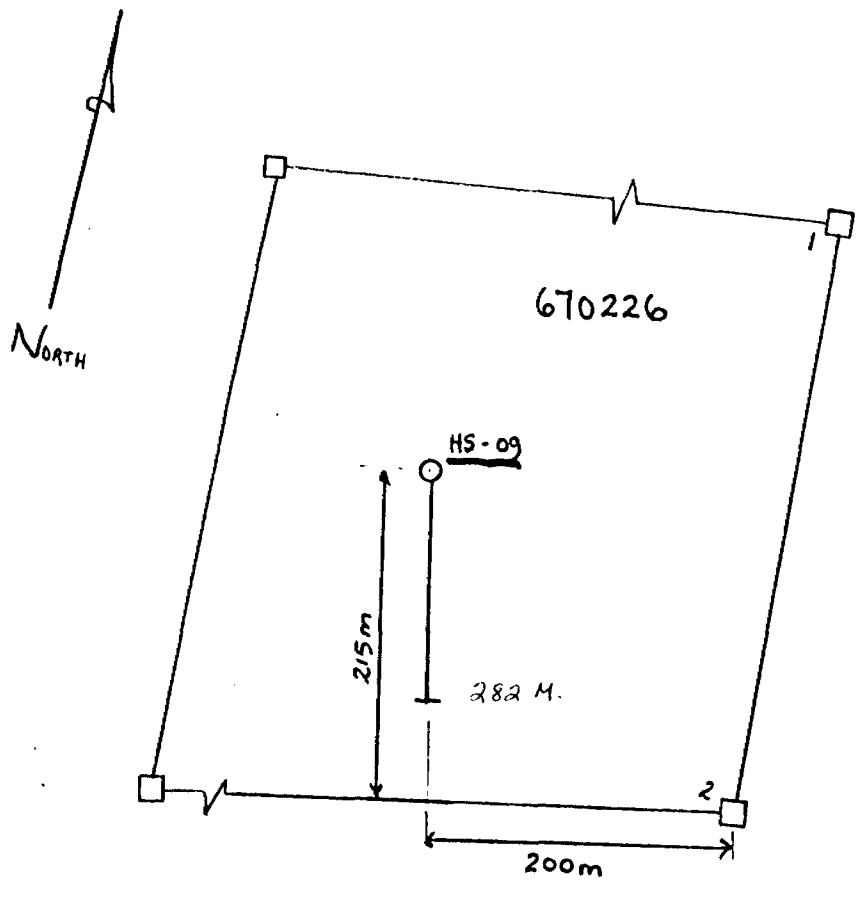
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		189.3-200.1 tuff seds Black, very fine grained to aphanitic, diffuse alternating black to brown bands 0.5-1.5mm thick; some white milky qtz bands (3-4%), 1mm-5mm wide, local hairline carbonate fractures.	64	Minor chlorite.	Trace pyrite (0.5%).	
200.10 TO 218.10	EPIDOTE BRECCIA «EPIDOTE BX»	Light green, patches of dark green and white. Fine to coarse grained. X-cutting 0.5cm - 20cm wide milky qtz veins. Angular, white cherty fragments 0.3-1.0cm long in a fine grained greenish white silicified matrix.		Pervasive silica, epidote.		Fault Zone.
218.10 TO 258.00	SILTY SED «SED» E.O.N.	Black to dark grey, aphanitic, very diffuse banding. Sparse patches of Pyrrhotite. Local 0.5-0.8cm wide greyish white siliceous bands. Local zones of brecciation occur at 249.30-249.35 and at 252.15-252.20m. These zones are characterized by angular 3-25mm aphanitic brown or white hard fragments in a very fine grained. Dark green chloritic matrix. Fractures between fragments are hairline, and frags can be placed together. Minor py associated with breccia. End of Hole.		Very weak chlorite.	0.05% Po, trace py.	1579 219.0-222.0 Litho. 1580 249.0-252.0 Litho.

HOLE NUMBER: ML-10

DRILL HOLE RECORD

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PAGE: 6

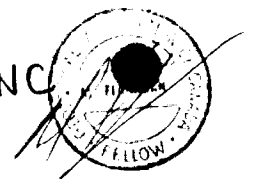


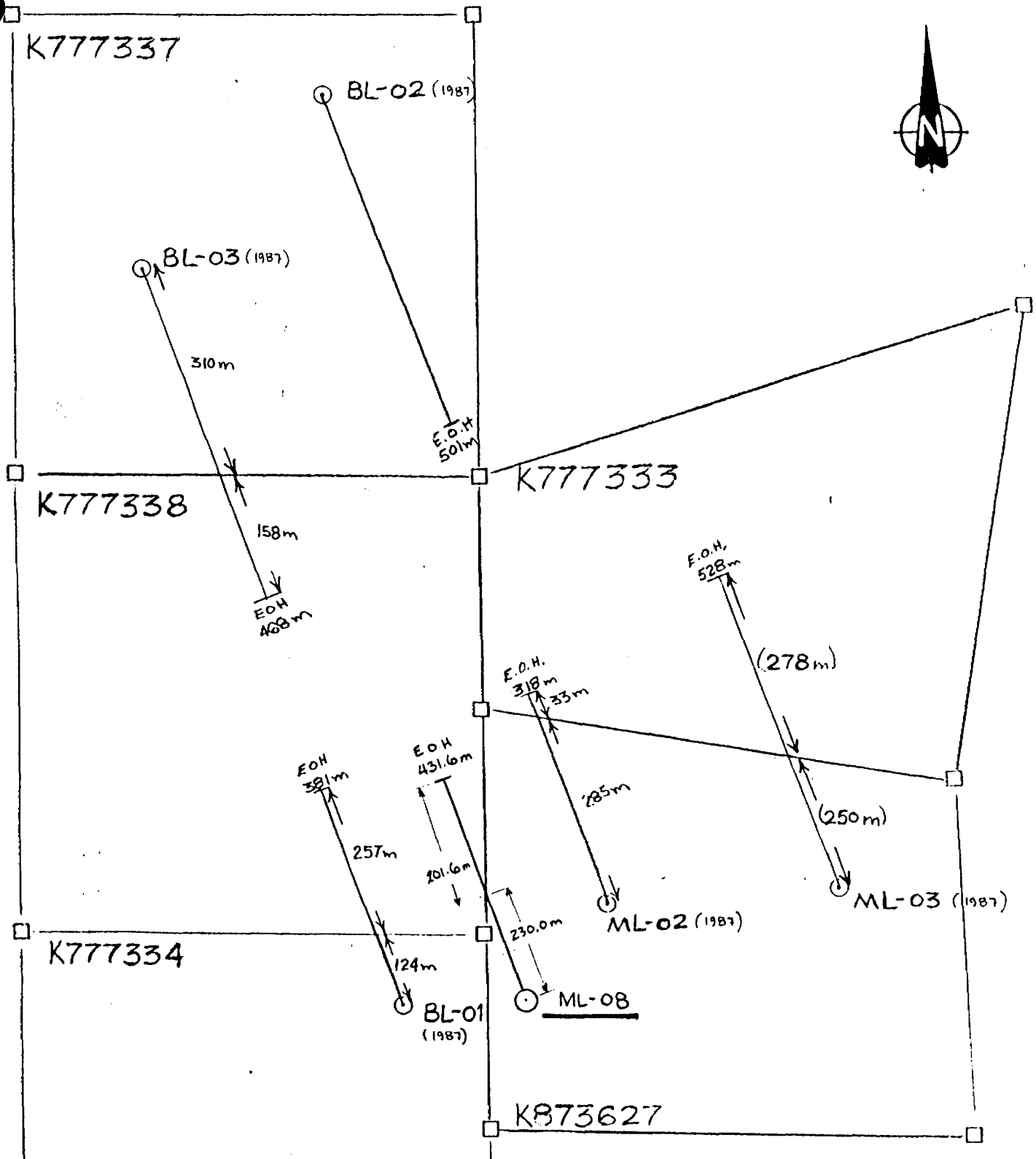
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Sketch map of location of DPH - HS09

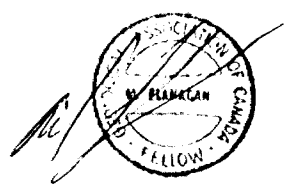
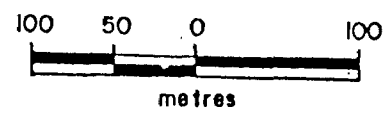
M Flanagan

MINNOVA INC.





SWELL BAY
DRILL PLAN



ML-DB

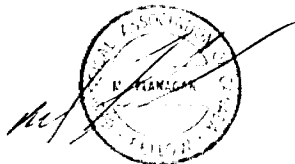
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K873627

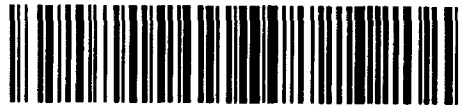
201.6m

K777338

0 50
metres



431.6m



Ontario *300 VERMILION 6366*
LITTLE TURTLE LK RC 265/2
ADJACENT TO THE MOBILE BLISS LA 6366

The Miner

Name and Postal Address of Recorded Holder MINNOVA Inc.,	Prospector's Licence No. T-556
SUITE 3970, P. O. BOX 91, COMMERCE COURT WEST, TORONTO, ONTARIO M5L 1C7	

Total Work Days Cr. claimed 4325 DAYS	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) <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 BQ <input type="checkbox"/> Land Survey	K	835126	100	LK	835134	100	K	862220	99
		127	100		135	100		221	99
		128	100		136	100		222	99
		129	100		137	100		223	99
		835130	100		835138	100		224	99
		131	100					225	99
		132	100		846551	100		862226	99
		835133	100					see attached page	

All the work was performed on Mining Claim(s): K 670226; K 777338; K 830403; K 830404; K 873627 additional claims

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

WORK PERFORMED BY: AMITY DRILLING LIMITED, 9002 QUARTZ ROAD, WHITEHORSE, YUKON Y1A 2Z5
 D.D.H. ML-08 MARCH 10th - 21st, 1988

WORK PERFORMED BY: ST. LAMBERT DRILLING CO. LTD., P.O. BOX 473, VALLEYFIELD, QUEBEC J6S 4V7
 D.D.H.'s ML-09, ML-10, HS-09, APRIL 26th - JUNE 20th, 1988

HOLE NUMBER	CLAIM NUMBER(S)	DRILLING DATES	METERS
ML-08	K 777338 201.6 M K 873627 230.0 M	MARCH 10th - 21st, 1988	431.6
ML-09	K 830404 113.0 M K 830403 298.1 M	APRIL 26th - MAY 6th, 1988	411.1
ML-10	K 830404 187.0 M K 830403 71.0 M	MAY 6th - 12th, 1988	258.0
HS-09	K 670226	JUNE 15th - 20th, 1988	282.0
			1,382.7 Meters

TO BE USED FOR THIS SUBMISSION **4325.0 DAYS** **1382.7 x 3.28 = 4535.25 DAYS/FEET**

RETAINED FOR FUTURE SUBMISSION **210.25 DAYS** **670221**

APR 25 1989

Date of Report: APRIL 18th, 1989
 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
MICHAEL FLANAGAN c/o MINNOVA Inc. 2606 VICTORIA AVENUE, EAST, THUNDER BAY, ONTARIO P7C 1E7

Date Certified: APRIL 18th, 1989
 Certified by (Signature):

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	APR 19 1989 AM Nil 915 PM 789101112123456	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 her Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		

MINNOVA

April 18th, 1989

Mr. Scott Rivett
The Mining Recorder
Kenora Mining Division
Ministry of Northern Development and Mines
808 Robertson Street
Kenora, Ontario
P9N 3X9

Minnova Inc.
Mining Innovation
2606 Victoria Avenue East
Thunder Bay, Ontario
P7C 1E7
Telephone (807) 623-1511
Telecopier (807) 623-7019

RE: FILING OF 4,325.0 DAY/FEET DIAMOND DRILLING - 45 CLAIMS


K 835126 etal BLISS, MUDGE, BAD VERMILION LAKE AREAS

Dear Sir:

Enclosed please find two copies of "Yellow Report of Work" covering the filing of 4,325.0 days of BQ diamond drilling on 45 claims. This filing will bring all of these claims to the required 200 days of assessment. We will retain a drill bank for future submission of 210.25 days/feet as the total of the meters drilled on Holes ML-8, 9, 10 and HS-9 is equivalent to 4,535.25 days/feet.

Two sets of drill logs and location sketches/sections accompany the Report of Work.

Yours truly,
MINNOVA Inc.


Michael Flanagan

MF/cme

encls. 2 Reports

