



42D14NW0003 28 PAYS PLAT LAKE

010

DIAMOND DRILLING

Area: PAYS PLAT LAKE

Report No: 28

WORK PERFORMED FOR: MINNOVA INC.

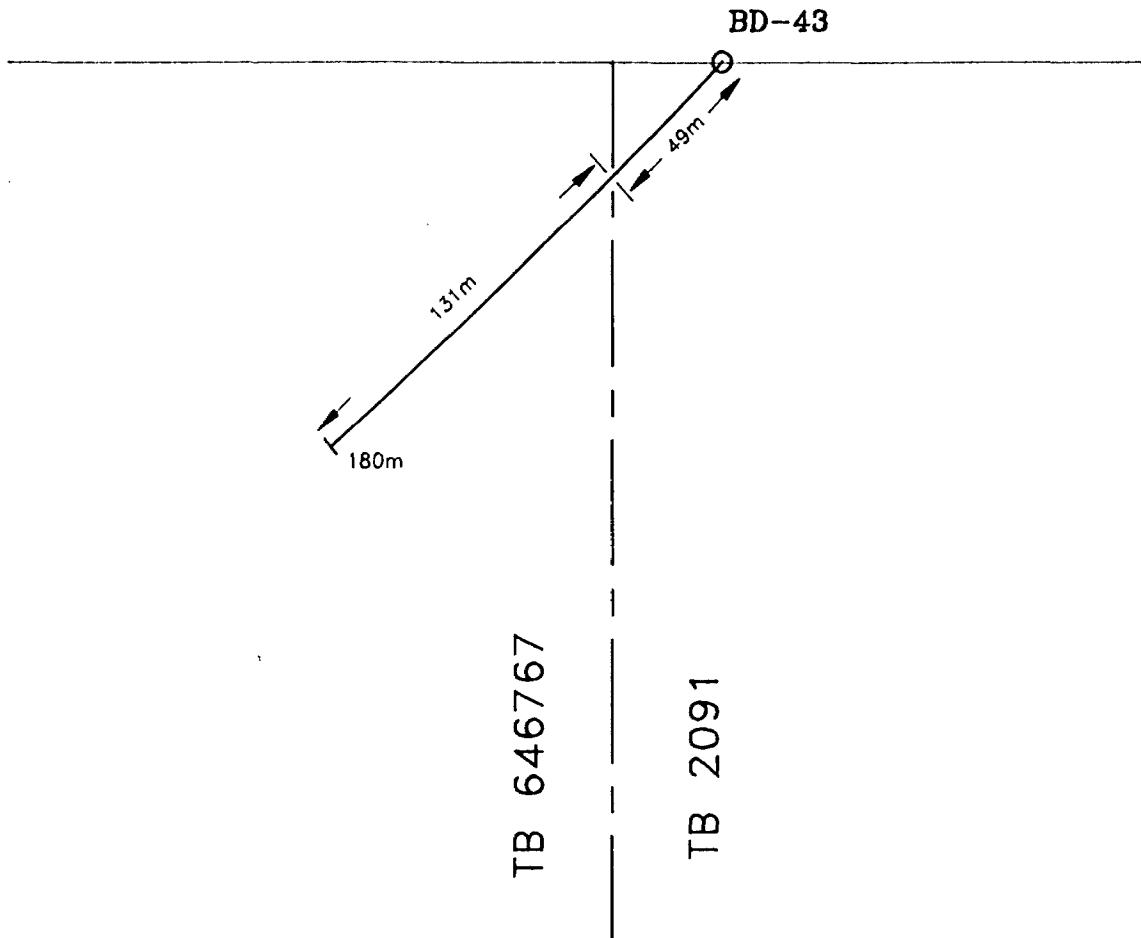
RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
TB2091 & TB646767	BD-43	180 M	APRIL/86	(1)
TB646768 & TB655278	BD-44	150 M	APRIL/86	(1)

330

NOTES: (1) #W9140.179, FILED JULY/91



DRILL SECTION
(in the plane of the drill hole)

BD-43

SCALE: 1:2500

J. M. - 1

HOLE NUMBER: BD-43

CORPORATION FALCONBRIDGE COPPER
DRILL HOLE RECORD

Imperial Units Metric Units X

PROJECT: PN385,388	FIELD COORDS: LAT: 8+00W	COLLAR BRNG: 180°	CONTRACTOR: ST.LAMBERT DRILLING
GRID: BIG DUCK LAKE	DEP: 10+25S	COLLAR DIP: -45°	CORE STORAGE: CLEAVER LAKE
CLAIM NUMBER: TB 2091, 646767	ELEV:	HOLE SIZE: BQ	CASING: 8.8m
LOCATION:	SURVEY COORDS: LAT:	FINAL DEPTH: 180m	PLUGGED:
DATE STARTED: APRIL 24,1986	DEP:	RQD LOG:	MULTISHOT SURVEY:
DATE COMPLETED: APRIL 27,1986	ELEV:	PULSE EM SURVEY:	COLLAR SURVEY:

PURPOSE: TO TEST A COINCIDENT CU, AU LITHOGEOCHEM ANOMALY. THE BURSTROM FAULT AND A MAGNETIC HIGH SOUTH OF THE FAULT

ACID TESTS		TROPARI TESTS			MULTISHOT DATA				
Depth	Corrected Angle	Depth	Corrected Angle	Depth	Azimuth	Dip	Depth	Azimuth	Dip

51	44°
102	44°
150	43°

HOLE NO: BD-43

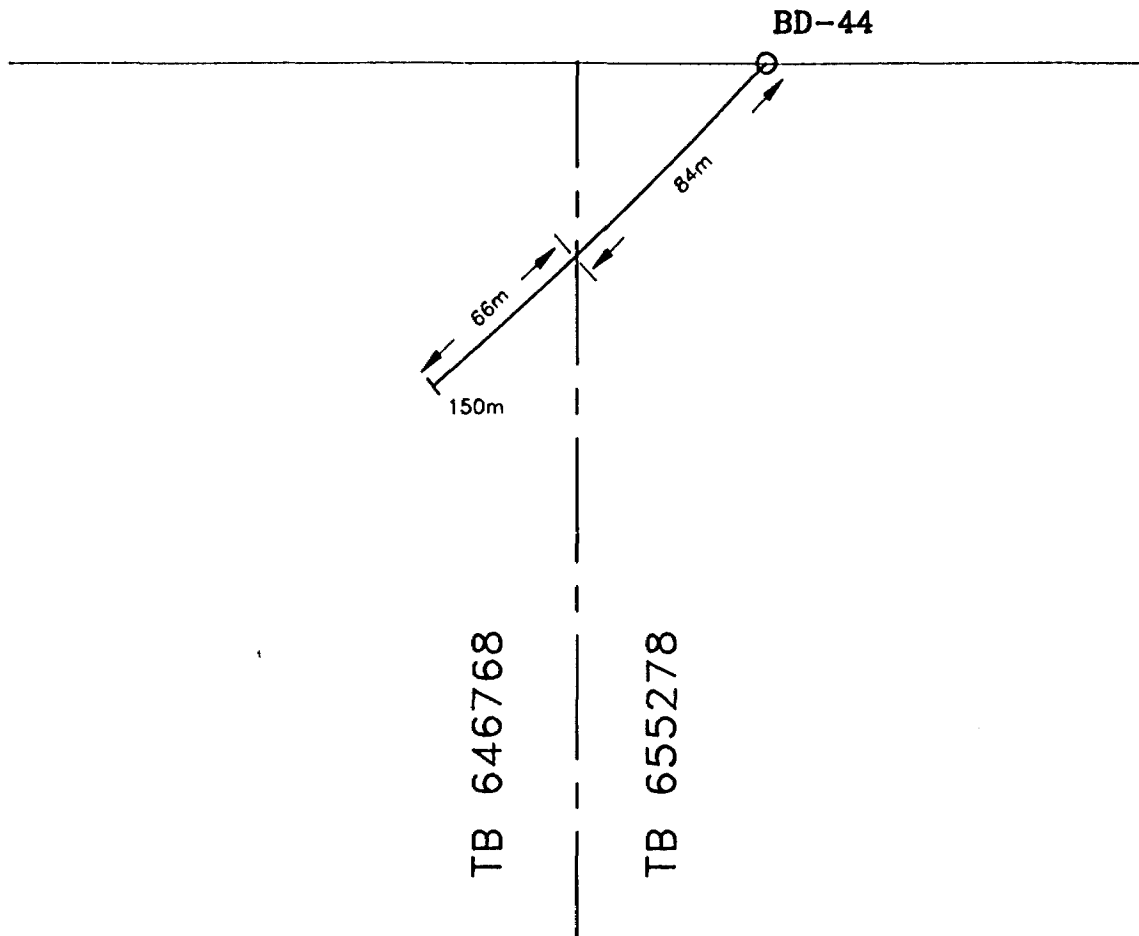
LOGGED BY: G. S. WELLS

DRILL HOLE LOG

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 8.8	OVERBURDEN	(boulders)						Casing
8.8 to 11.3	MAFIC FLOW	Dark green	fg	Massive		Moderate biotite	None	
11.3 to 46.2	QFP	Grey with reddish hematitic section	mg to cg	Massive Upper contact sharp @ 19.6-20.4: Fault breccia-hematitic QFP fragments in epidote matrix Fg mafic inclusions/dykes at: 23.0-25.3 39.4-39.75 39.9-40.7 43.95-44.15 45.0-45.1 45.9-46.0	40°	2-3% qtz-carb-epidote veining 20.4-23.0: Pervasive hematite staining 25.3-26.8: Patchy orange staining 26.8-39.4: QFP weakly sericitic 32.9-33.5: White qtz vein 40.7-46.2: Moderate hematitic staining with 1-2% biot, ep-qtz veins	Tr pyrite 35.1-35.3: 1-2% py in qtz-carb-chl vein	
46.2 to 180.0	MAFIC FLOW	Dark green	fg	Massive QFP dykes at: 52.7-53.5 - hematitic 61.35-61.45 61.65-63.0 91.9-93.9 - hematitic	61.6 70°	Relatively unaltered 1% qtz +/- carb veins 1-2% hematite veins & patches Qtz veins at: 48.85-49.0 49.8-49.9 Tr-1% leucoxene from 63.0-71.8	Tr diss pyrite 48.85-49.0 - 1% py 49.8-49.9 - 1% py Massive py stringers (1cm) at: 71.0, 71.4	

DRILL HOLE LOG

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
						71.8-115.25: Vfg mafic pillowed unit Relatively unaltered Strongly magnetic 1% qtz-hem veins 1-2% epidote patches	81.8-115.25: Tr-1% diss py Tr cp.	
						Amphibole-carbonate veins at: 102.5-102.8 108.4-108.7 111.2-111.8 114.35-115.25	Semi-massive py stringers at: 103.45 (2cm) 104.1 (3cm) 102.5-102.8 - 1-2% py 108.4-108.7 - 2-3% py 111.2-112.8 - 10% py 114.35-115.25 - 10-15% py	
						118.0-118.2: qtz vein	118.0-118.2: Tr-1% py, tr cp in vein	
						115.25-141.9: Core locally weakly magnetic. 1-2% qtz veins Host rock has orangy red tinge due to hematite (?)		
				124.2-124.8: Cg orangy red granitic dyke - chloritic veining at upper contact gives host mafic rock a brecciated look.				
				Granitic dykes also at: 125.15-125.2 127.05-127.1				
						132.0-141.65: 2-3% carb veinlets		
						141.9-180.0: Fg strongly magnetic mp's 1-2% ep-qtz +/- carb veins 1-2% epidote pillow cores		
				QP dykes at: 145.9-146.3: weakly hematitic 160.35-162.25				
						Qtz carb-chl veins at: 164.8-164.85 176.0-176.35	159.5-160.35: 3-5% py 164.8-164.85: 5% py, tr cp 176.0-176.35: 1-2% py, tr cp. Mo	
180.0 E.O.H.				End of Hole.				



DRILL SECTION
(in the plane of the drill hole)

BD-44

SCALE: 1:2500

J. M. ...

HOLE NUMBER: BD-44

CORPORATION FALCONBRIDGE COPPER
DRILL HOLE RECORD

Imperial Units Metric Units X

PROJECT: PN388	FIELD COORDS: LAT: 3+03W	COLLAR BRNG: 180°	CONTRACTOR: ST.LAMBERT DRILLING
GRID: BIG DUCK LAKE	DEP: 10+73S	COLLAR DIP: -45°	CORE STORAGE: CLEAVER LAKE
CLAIM NUMBER: TB 646768, 655278	ELEV:	HOLE SIZE: BQ	CASING: 2.0m
LOCATION:	SURVEY COORDS: LAT:	FINAL DEPTH: 150m	PLUGGED:
DATE STARTED: APRIL 28, 1986	DEP:	RQD LOG:	MULTISHOT SURVEY:
DATE COMPLETED: APRIL 30, 1986	ELEV:	PULSE EM SURVEY:	COLLAR SURVEY:

PURPOSE: TO TEST THE SJOLANDER FAULT AND A COINCIDENT CU-AU LITHOGEOCHEM ANOMALY

ACID TESTS		TROPARI TESTS			MULTISHOT DATA				
Depth	Corrected Angle	Depth	Corrected Angle	Depth	Azimuth	Dip	Depth	Azimuth	Dip

51	45°
102	42°



HOLE NO: BD-44

LOGGED BY: G. S. WELLS

DRILL HOLE LOG

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 2.0	OVERBURDEN							Casing
2.0 to 76.35	QEP	Grey	fg to mg	Massive with foliated sections 33.65-35.9: Fg black magnetic mafic dyke 38.0-45.4: Mg mafic dyke Black, mafic inclusions (biotitic with 1-2% carb veinlets) at: 51.4-51.7 52.15-52.8 53.3-53.4 53.8-54.0 54.4-54.45 54.6-55.0 64.9-65.0	17.0 80° 52.8 80° 54.8 80°	1-2% qtz-biot veins weakly sericitic in patches Bleached areas around veins give core mottled look Orange stained, hematitic QP at: 33.2-33.65 35.9-36.35	Tr diss py, cp and in veins 48.25-48.6: 15% py, 1-2% cp associated with qv in QEP 55.6-55.65: 10% py in qv. 64.4-64.55: 2-3% py in qtz-chl vein Tr Mo in qtz veinlets at 74.5 & 75.15	
76.35 to 150.0	MAFIC	Dark grey	Vfg	Massive 81.0-84.6: Fg grey QP dyke		76.35-106.45: Pervasive intense biot with 3-5% qtz-carb veinlets Magnetic throughout Locally have white, rounded spots - alteration? 77.0-77.15: Carb-biot vein	76.35-76.7: 20-25% py 2-3% massive magnetite bands in a chloritic & carbonate groundmass 76.7-81.0: 1% diss py, tr cp.	

DRILL HOLE LOG

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
								84.6-105.3: Tr-1% py, tr cp.
						94.8-95.1: Qtz-carb-amp vein		94.8-95.1: 1% py
				96.4-98.4: Fg. grey QP dyke				96.95: Tr Mo in qtz veinlet
				99.45-99.75: Fg. weakly hematitic QP dyke				
						105.3-106.45: Biot-qtz-amp zone/ vein area		105.3-106.45: 3-5% diss py, tr cp
				QEP dyke at 121.7-122.4		106.45-124.9: Becoming less altered 1-2% qv's Biot alteration is patchy Tr-1% epidote patches = pillow cores Magnetic throughout.		106.45-124.9: Tr diss py
						124.4-124.6: Qtz-carb vein 124.6-124.9-intense biot		124.4-124.6: 1-2% py, tr cp
				124.9-150.0: Becoming vfg Mafic pillows with tr qtz-filled vesicles.		124.9-150.0: Unaltered 1-2% epidote pillow cores		
						136.1-136.5: Carb-biot-chl vein		136.1-136.5: Tr py.
						147.5-150.0: 10% qtz-hematite veins		147.5-150.0: Tr cp in veins
150.0 E.O.H.				End of Hole.				

DOCUMENT No.
W9140.179



42014NW0003 28 PAYS PLAT LAKE

900

Mining Act Report of Work

Name and Address of Recorded Holder MINNOVA Inc. SUITE 700, 4 KING STREET, WEST, TORONTO, ONTARIO M5H 3X1	Prospector's Licence No. T-556 Telephone No. 807-623-1511
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Summary of Distribution of Credits and Work Performance

Mining Division	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
THUNDER BAY												
Township or Area UPPER AQUASABON AND PAYS PLAY AREAS												
Total Assessment Credits Claimed												
Type of Work Performed (Check one only)												
<input type="checkbox"/> Manual Work												
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work												
<input type="checkbox"/> Mechanical equipment												
<input type="checkbox"/> Power Stripping other than Manual (maximum credit allowed - 100 days per claim)												
<input checked="" type="checkbox"/> Diamond or other Core drilling												
<input type="checkbox"/> Core Specimens												

Dates when work was performed From: FEBRUARY 14, 1985 To: APRIL 30, 1986	Total No. of Days Performed 7897	Total No. of Days Claimed	Total No. of Days to be Claimed at a Future Date 7897
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All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)		Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
		TB 535226	1102.4	TB535227	1099	TB 645279	492.1	TB645307	1391.1
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
B 645310	771	TB 645311	915.4	TB645312	91.9	TB 645768	305.1	TB645769	324.8
								TB 646765	482.3

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

ALL WORK PERFORMED BY: **ST. LAMBERT DRILLING CO. LIMITED, P.O. BOX 473, VALLEYFIELD, QUEBEC J6S 4V7**

DDH BD-18 TB 535226 410.1
BD-18 TB 535227 524.9 Total Footage 935' BD-18
DDH BD-19 TB 535226 360.9 Feet
DDH BD-20 TB 535226 331.4
TB 535227 574.1 Total Footage 905.5 BD-20
DDH BD-27 TB 645311 521.7 Feet
** DDH BD-30 TB 645307 442.9
TB 645310 278.9 Total Footage 721.8' BD-30
DDH BD-33 TB645310 492.1 Feet
DDH BD-34 TB 645311 393.7
TB 645312 91.9 Total Footage 485.6' BD-34

**DDH BD-29 TB 645307 948.2 Feet

ONTARIO GEOLOGICAL SURVEY
GIS - ASSESSMENT FILES
JUN 1 1991
see also attached page for DDH's 35,36,37, and DDH's 41,43,44
RECEIVED

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

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date	Recorded Holder or Agent (Signature)
MAY 28th, 1991	<i>[Signature]</i>

certification Verifying Report of Work

IAN. R. MORRISON - AS AGENT

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

Name and Address of Person Certifying

IAN R. MORRISON - AS AGENT FOR - MINNOVA Inc. 2606 VICTORIA AVENUE, EAST

Telephone No.	Date	Certified By (Signature)
807-623-1511	MAY 28th, 1991	<i>[Signature]</i>

for Office Use Only

IAN R. MORRISON

Work Assignments	Received Stamp

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

May 28th, 1991

Re - Diamond Drilling Assessment filed for work performed
February 14th, 1985 - April 30th, 1986
Rope Lake, Upper Aquasabon and Pays Plat Areas

Licence #T-556

DDH BD-35	TB 646279	492.1 Feet	
DDH BD-36	TB 645768	305.1 Feet	
DDH BD-37	TB 645769	324.8 Feet	
DDH BD-41	TB 646765	482.3 Feet	
DDH BD-43	TB 646767	429.8 Feet	
*			
DDH BD-44	TB 646768	216.5	
	TB 655278	275.6	Total Footage 492.1' BD-44

Total Footage/Days this submission 7897