

LOG NO. 1012	NO.
TITLE:	
FILE NO.:	

Diamond Drilling Report

Mt. Sicker Property

Victoria Mining Division

NIS 92 B/13

48° 59' N Latitude

123° 30' W Longitude  
46

FILMED

Owner: Minnova Inc.

Operator: Minnova Inc.

by: G. S. Wells

August, 1988

Claims

Lenora Group

Little Nugget  
Chemainus  
Belle  
Dunsmuir  
Seattle  
Copper King  
Copper Queen  
Queen Bee  
Alliance Fr.  
Peggy Fr.

Beatrice  
Rocky 1  
Rocky 3  
Bonnie I  
Bonnie II  
Bonnie III  
Bonnie IV  
Bonnie V  
Bonnie VI  
Stephanie Fr.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,834

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## Diamond Drilling Report

### Mt. Sicker Property

#### 1. Introduction

Minnova Inc. has acquired the mineral rights to claims which cover much of Mt. Sicker to evaluate the volcanogenic massive sulphide potential of the property. This report describes the results of diamond drill hole MTS-52 which tested the down dip extent of the Richard III mineralization. The hole was drilled during the period - April 27 to May 4, 1988 by Burwash Contract Drilling.

#### 1.1 Location and Access

The Mt. Sicker property is located 40 km and 10 km north of Victoria and Duncan respectively (Figure 1). An extensive system of logging roads from the Island Highway provides excellent access to the property. Topographic relief is moderate with elevations ranging from 150 to 700 meters above sea level. The property is covered by a mixed forest of Douglas fir, alder and cedar. Active logging is currently underway on several parts of the property.

#### 1.2 Mineral Rights

Drill hole MTS-52 is located on the Richard III claim which is part of the Lenora group (Figure 2). The claim status of the Lenora Group is as follows:

#### Lenora Group

<u>Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Month of Record</u>
Little Nugget	1	13	January
Chemainus	1	14	January
Belle	1	15	January
Dunsmuir	1	16	January
Seattle	1	17	January
Copper King	1	18	January
Copper Queen	1	19	January

Queen Bee	1	22	January
Patricia Jane Fr.	1	83	May
Morley Jane Fr.	1	84	May
Peggy Fr.	1	119	September
Alliance Fr.	1	120	September
Beatrice	2	121	September
Rocky 1	4	155	April
Rocky 3	8	157	April
Rocky 4	8	158	April
Bonnie I	1	415	September
Bonnie II	1	416	September
Bonnie III	1	417	September
Bonnie IV	1	418	September
Bonnie V	1	422	October
Bonnie VI	1	423	October
CR I	10	929	May
CR II	10	930	May
Banana	10	1073	August
Stephanie Fr.	1	1074	August
International A. Fr.	1	1119	October
XL	1	19G	crown grant
Herbert	1	20G	" "
Lenora	1	35G	" "
Tyee	1	36G	" "
Key City	1	37G	" "
Richard III MC	1	39G	" "
Magic Fr. MC	1	41G	" "
NT Fr.	1	43G	" "
Westholme Fr. MC	1	59G	" "
International Fr.	1	60G	" "
Donald	1	63G	" "
Thelma Fr.	1	85G	" "
Imperial Fr.	1	86G	" "
Doubtful Fr.	1	87G	" "

DAM

50°

128°

PACIFIC OCEAN

VANCOUVER ISLAND

WESTMIN DEPOSITS

MOUNT SICKER

DEBBIE

THISTLE

HEATHER

LARA

Victoria

124°

LEGEND

- 4 JURASSIC Intrusions
- 3 Nanaimo Sediments
- 2 KARMUTSEN & BONANZA Volcanics
- 1 Sicker Volcanics & Sediments

VANCOUVER ISLAND

GEOLOGY

SCALE: 1:2,000,000

MINNOVA



Muriel Fr.	1	108G	"	"
Phil Fr.	1	110G	"	"

### 3. History

Two former producers, the Lenora and Tye mines occur on the Mt. Sicker property. These deposits were discovered in 1898 and were largely mined out by 1909 although they were worked periodically until 1947. A total of 300,000 tons grading 3.31% Cu, 7.51% Zn, 2.75 oz/ton Ag and 0.13 oz/ton Au were recovered from these 2 mines. Recent exploration on the property has been done by Duncanex, Mt. Sicker Mines and Serem in the vicinity of the former mines and the Postuk-Fulton and NE Copper showings. Minnova Inc. (formerly Corporation Falconbridge Copper) has been active on the property since 1983. We have carried out an integrated exploration program consisting of geological, geochemical and geophysical surveys which has been followed up by diamond drilling. All aspects of this continuing program have been aimed at discovering a polymetallic volcanogenic massive sulphide deposit.

### 2. Work Done

This report summarizes the results of diamond drill hole MIS-52 (477.0 m) which tested the down dip extent of the Richard III mineralization which is interpreted as the eastern extension of the Lenora-Tye ore bodies. This hole, which is located on the Richard III claim (Figure 3) was drilled by Burwash Contract Drilling.

Lithochemical samples were taken routinely throughout the hole, sent into Min-En Laboratories in Vancouver, and analyzed for major and trace elements ( $\text{SiO}_2$ ,  $\text{TiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{K}_2\text{O}$ ,  $\text{MgO}$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{Pb}$ ,  $\text{Ba}$ ,  $\text{Cu}$ ,  $\text{Zn}$ ,  $\text{Au}$ ,  $\text{Ag}$ ,  $\text{Zr}$ ,  $\text{Sr}$ ,  $\text{As}$ ,  $\text{Sb}$ ) using an ICP technique. Mineralized sections were analyzed for  $\text{Cu}$ ,  $\text{Zn}$ ,  $\text{Ag}$ ,  $\text{Au}$  and  $\text{Ba}$  using an atomic absorption method. The drill core is stored at 6722 Lakes Road, Duncan, B.C.

### 3. Geology

#### 3.1 Regional Geology

The Mt. Sicker property is located in the Cowichan-Horne Lake uplift which is one of 3 fault-bounded areas that expose the Paleozoic Sicker Group on Vancouver Island (Figure 1). Muller (1980) subdivided the Sicker Group, as follows, in order of increasing age:

- 1) Buttle Lake Formation - consists of recrystallized crinoidal limestone interbedded with calcareous siltstone and chert
- 2) Sediment - Sill Unit - thinly bedded to massive argillite, siltstone and chert interlayered with diabase sills
- 3) Myra Formation - basic to rhyodacitic banded tuff, breccia and lava with interbedded argillite, siltstone and chert
- 4) Nitinat Formation - basaltic lavas and agglomerates with minor massive to banded tuff layers

Cretaceous sediments of the Nanaimo Group unconformably overly the Sicker group; the contact is commonly marked by a basal conglomerate containing volcanic fragments derived from the Sicker Group.

The structure of the Sicker group is characterized by southwest verging, asymmetric and vertical, open and isoclinal folds (Muller, 1980). West-northwest and northeast trending faults dissect the Sicker group of the Cowichan-Horne Lake Uplift into numerous fault blocks. Movement along those faults is interpreted to have been mostly Tertiary in age (Muller, 1980). Metamorphic grade ranges from sub-greenschist to greenschist.

#### 3.2 Geology of the Mt. Sicker Property

The Mt. Sicker property is underlain by Sicker group volcanic rocks, Nanaimo group sediments and dioritic intrusions of possible Triassic age (Figure 3). The Sicker Group can be subdivided into the Myra and Nitinat formations. The Myra formation consists of thick units of felsic and subordinate mafic pyroclastic/flow rocks with minor ash, argillaceous sediment and chert. The Lenora-Tyee massive sulphide deposit occur within the Mine package which is a distinct well-bedded, 70 meter thick succession

of quartz +/- feldspar crystal tuffs, local felsic flows, fine felsic ash and minor chert and argillite. The Lenora-Tyee deposits are considered to be the stratigraphic equivalent of Westmin's Myra-Lynx deposits.

The Nitinat formation is restricted to the east end of the property and is well exposed along the Island Highway. The formation consists of epidotized pyroxene and/or plagioclase porphyritic andesitic-basaltic flows, flow breccias and debris flows.

The structure of the Mt. Sicker property is dominated by a large asymmetric, west-northwesterly trending, shallow west-plunging anticline. The fold axis is interpreted to lie 300 m north of the Lenora-Tyee deposits. The axial plane of the anticline is reflected by a pervasive moderately to intensely developed, vertically dipping foliation. Small drag folds associated with the Mt. Sicker anticline occur at NE Copper and Lenora-Tyee.

#### 4. Diamond Drilling Results

Hole MIS-52 tested the down-dip extent of the sulphide mineralization reported in the Richard III mine. The hole intersected a 7.1 meter wide zone of cherty argillite which is intimately associated with the ore at the former mines. Although the cherty argillite is locally enriched in Zn and Ba at the ppm level, no zones of economic mineralization are present in the hole. The cherty argillite occurs as a fault bounded zone between 2 thick diorite dikes which have dilated the hanging wall and footwall sequences. The lower part of the hole intersects a sequence of relatively unaltered felsic ashes and tuffs. A detailed log for hole MIS-52 is included in Appendix I.

## 5. Conclusions

Hole MIS-52 intersected a wide zone of cherty argillite which is interpreted as the lateral equivalent of the ore horizons at the former Lenora-Tyee mines. The argillite is fault-bounded and its position in the stratigraphy is further complicated by 3 thick diorite dikes which have dilated and possibly offset the footwall and hanging wall sequences. No zones of economic mineralization were intersected in hole MIS-52. Further drilling in the area is warranted to help unravel the geology and to evaluate the extent of the cherty argillite horizon which is intimately associated with the massive sulphide zones.

  
\_\_\_\_\_  
G. S. Wells



7. References

Muller, J. E.

1980: The Paleozoic Sicker Group of Vancouver Island, B.C.  
GSC Paper 79-30.

Wells, G. S.

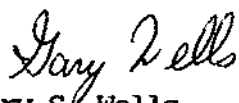
1987: Report on the 1987 Drill Program - Mt. Sicker Property  
FAME Report 10962-E65.

8. Statement of Qualifications

I, Gary S. Wells, hereby certify that:

1. I hold an Honours Bachelor of Science degree in combined geology and chemistry (1975) from Carleton University, Ottawa, Ontario and a Ph.D degree in geology (1980) from Queen's University, Kingston, Ontario.
2. I am an associate member of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
3. I have practised my profession in exploration continuously since graduation in 1980.
4. I have based conclusions contained in this report on knowledge of the area, my previous experience and results of field work conducted on the property.

Date: August 19, 1988

  
Gary S. Wells  
Vancouver, British Columbia

Statement of Qualifications of Field Personnel

Paul Baxter:            B.Sc. (Geology) 1985, University of Alberta  
                             2 years full-time experience in mineral exploration  
                             3 years part-time experience in mineral exploration

Address: c/o Minnova Inc. 4th Floor - 311 Water Street  
Vancouver, B.C. Phone: 681-3771



HOLE MTS-52

Moving & Road Building

11 tractor hours @ \$60.00/hr.	\$660.00
11 man hours cat operating @ \$24.00/hr.	264.00
6 man hours moving @ \$24.00/hr.	144.00

Overburden

12' @ \$16.00/ft.	192.00
-------------------	--------

Core

937' @ \$16.00/ft.	14,992.00
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Consumables

1 x 10' NW Casing @ \$150.00	150.00
2 x 2' NW Casing @ \$49.00	98.00
1 NW Casing shoe @ \$152.00	152.00
1 NW Casing cap @ \$40.00	40.00
7 pails polymer mud @ \$110.00	770.00

6% P.S.T.	72.60
Cost + 10%	128.26

Hole Stabilizing

drill hours @ \$20.00/hr.	40.00
4 man hours @ \$24.00/hr.	96.00

\$17,798.86



HOLE MTS-52 (to completion)

Core

51' @ \$16.00/ft.	\$816.00
565' @ \$18.00/ft.	10,170.00

Consumables

6 pails Polymer mud @ \$110.00 ea.	660.00
6% P.S.T.	39.60
Cost + 10%	69.96

Hole Stabilization

6 man hours @ \$24.00/hr.	144.00
3 drill hours @ \$20.00/hr.	60.00

Testing

2 acid tests @ \$50.00 ea.	100.00
	<u>\$12,059.56</u>

HOLE MTS-53

Moving

4 tractor hours @ \$60.00/hr.	\$240.00
4 man hours cat operating @ \$24.00/hr.	96.00

Overburden

10' @ \$16.00/ft.	160.00
-------------------	--------

Core

990' @ \$16.00/ft.	15,840.00
66' @ \$18.00/ft.	1,188.00

Consumables

2 x 10' NW Casing @ \$150.00	300.00
1 NW Casing shoe @ \$152.00	152.00
1 NW Casing cap @ \$40.00	40.00
7 pails polymer mud @ \$110.00 ea.	770.00
6% P.S.T.	75.72
Cost + 10%	133.77

\$18,995.49

Appendix I

Drill Logs

MIS - 52



HOLE NUMBER: MTS-52

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 29-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE: TO CA:	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.65	OVERBURDEN <OVB>					Casing, no core recovered.
3.65 TO 69.10	DIORITE <DIOR>	Colour - speckled medium green. Grain Size - medium to coarse grained. 15% white ragged fsp, locally fsp poor 3-5% and fsp rich 30%. Massive Weakly magnetic.		Pervasive carbonate alt, weak cross-cutting carbonate veining & rare carb/Qtz veinlets. Patchy moderate-weak epidote alteration of fsp.  3.65 - 22.2 Moderate limonite staining of fracture surfaces.		
		37.60 - 43.00 Finer grained & weakly foliated. 42.50m (foliation)	50			
		20cm chill margin @ lower contact. Lower contact in broken core, questionable core angle. 69.1m (contact)	80			
69.10 TO 147.80	QFP FRAGMENTAL FLOW <QFP FLOW>	Colour - medium grey. Grain Size - medium grained. 1-2% white mm Qtz crystals and 5-7% white fsp crystals in a fine grained matrix. Numerous >3cm white fragments with diffuse boundaries, some sharp boundaries. - Rare cherty felsic ash fragments. - Some irregular flow banding.		Rare patches of weak epidote alt. Patchy silicification. <1% mm carbonate veinlets.	<1-1% diss. py>  <1-1% diss. brassy py.	
		102.55 Possible upper contact of flow.		102.4 - 102.55 Qtz + carbonate + chlorite vein. Lower contact 70 degrees.		
		126.1 - 126.65 <Mafic Dyke> Mafic dyke: fine grained, massive, 2% fsp crystals Gouge Lower Contact. 126.1m (Upper Contact)	20	126.1 - 126.65 Weak epidote alteration of fsos. Weakly chloritic.		
		132.5 - 135.15 <Fel Ash, Ch> Fine felsic ash, some irregular chert bands, minor qtz flow. 132.5m (contact)	30		132.5 - 135.15 <2% py, 1-1% cpy> 2% diss. py locally 3-5% py. Up to 1% diss. cpy mainly within QFP.	ICP sample from 133 - 136m. Sample 900 9300

HOLE NUMBER: MTS-52

DRILL HOLE RECORD

LOGGED BY: P. S.

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HOLE NUMBER: MTS-52

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 29-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS	
		141.5 - 147.8 Dark grey, no speckled, colour, 5-7% quartz, rare white fsp. Massive Hornfels? Very irregular lower contact.					
147.80 TO 192.25	DIORITE <DIOR>	Colour - medium green. Grain Size - medium grained. SZ porphyritic feldspars, ragged, creamy green, in a finer grained intergranular matrix. Massive. Weakly magnetic, 50cm chill margin at upper contact.		<Weak patchy epidote, w chl>  Rare carb + Qtz + chl veins 3-10cm wide.  {152.15 - 160.6} <10% carb+Qtz+chl vns>  {162.0 - 166.85} <Qtz DIOR> Quartz diorite. 7-10% dark quartz grains. 2-3% feldspars toward base of Qtz Dior. Irregular upper and lower contacts.  189.8 - 192.25 Chill margin @ lower contact. Very sharp faulted lower contact. 192.25m (contact)			
192.25 TO 192.70	ARGILLITE <ARG>	Colour - light to very dark grey. Grain Size - very fine grained. Very sheared, destroying any previous textures. Graphitic. Sharp lower contact. 192.7 (contact)	35	<80% fault gouge>		Possibly some very fine sulphides within fault gouge. Fault zone.	
192.70 TO 199.40	FELSIC - INTER-MEDIATE TUFF FAULT GOUGE <F-IT>	Colour - light green. Grain Size - fine to medium grained.  {192.7 - 196.3} <Fault Zone> Very sheared, brecciated, & distorted, extensive clay gouge developed. Some Qtz eyes evident. Brecciated quartz veinlets.		{192.7 - 196.3} <5 Ser, 70% Fault Gouge> Strongly sericitic, 70% clay fault gouge.	<1% diss py>  {193.05 - 193.30} <7-10% py> -10% fine pyrite, some brecciated	There is a possibility of two units within this unit. 1) A felsic unit within the fault zone and 2) an intermediate unit starting at 195.0m.	

HOLE NUMBER: MTS-52

DRILL HOLE RECORD

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HOLE NUMBER: MTS-52

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 29-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Fairly sharp lower contact to fault zone. 196.3a (Fault?)	20		quartz, possibly some argillite.	
		196.3 - 199.4 <FP Int T> Feldspar porphyritic intermediate tuff. Moderate - strongly foliated. 5-7% feldspar crystals. 161.1m (foliation) 196.3a (contact) Sharp lower contact @ 199.4	30 20 25	196.3 - 199.4 <S Ser, Ep alt fsp> Strongly sericitic, weak epidote altered feldspars. 5-10% clay alteration.		
199.40 TO 206.50	ARGILLITE, CHERTY OR SILICIFIED ARGILLITE <ARG, > <CHTY ARG>	<Finely laminated> Colour - black, whitish grey. Grain Size - very fine grained. Finely laminated to thinly bedded. Bedding sometimes distorted/folded. Very graphitic along bedding planes. - Possible barite as fine white stockwork. 200.15 (bedding) 203.3 (bedding) 206.4 (bedding) Sharp lower contact into 15cm of grey fault gouge.	40 45 55	Weak quartz and carbonate veinlets cross-cutting and parallel to bedding.	<SI py> SI diss. py fine grained to coarse and brassy. Numerous laminations rich in very fine syngenetic pyrite.	
206.50 TO 211.60	CHERTY FELSIC ASH TUFF <CHTY FEL> <ASH>	Colour - very light grey to light green. Grain Size - fine grained. 206.6 - 207.9 Fairly massive, weakly foliated. Possible quartz eyes, milled texture. 207.9 - 208.4 <Fault> Fault zone. Milled texture, distorted and folded foliation. Folded pyritic chert at 208.0a. 208.4 - 208.8 <Qtz V> 208.8 - 209.9 Cherty ash, moderately foliated, milled texture. Gougy, brecciated and very milled from 209.2 - 209.3. 209.2 (foliation) 209.9 (contact) (Fault?)		<Weak - mod. ser.> 207.9 - 208.4 <S ser, clay fault> <gouge> 208.4 - 208.8 <Qtz V> 208.8 - 209.9 <Mod. ser.>	<SI py> 207.5 - 208.05 <3-SI py> 3-SI py diss. and weak stringers parallel to weak foliation.	
			60 25			

HOLE NUMBER: MTS-52

DRILL HOLE RECORD

DIBBED BY: P. B.

PAGE: 4



HOLE NUMBER: MTS-52

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 29-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		283.15m (contact)	25			
		Gouge @ 287.8m.				
		{287.8 - 289.8} <M. Dyke>				
		Mafic Dyke, fine grained. Massive, sharp upper and lower contacts.				
		287.8m (contact)	35			
		289.8m (contact)	45			
		{291.2 - 291.7} <M. Dyke>				
		318.2 - 332.5				
		Rare patches with 1% leucoxene.				
		318 - 340.15				
		Rubbly blocky core.				
		322m				
		10cm fault gouge and brecciate diorite.				
		{321 - 391.0} <Feld Phyric>				
		Feldspar phyrice with rare equigranular patches.				
		328.2				
		10cm milled and gougy core				
		328.2m (fault)	50			
		345.7 - 354.2		{345.7 - 354.2} <Perv. carb. alt.>		
		Fine grained phase of diorite with minor feldspar phyrice areas.		Moderate to strong carbonate stockwork.		Does not look like fine mafic dykes. Gradational contacts into feldspar phyrice diorite.
		356.85				
		3cm clay gouge.				
		364.9 - 367.7		{364.9 - 367.7} <Perv. carbonate>		
		Fine grained phase of diorite.				
		372.05 - 372.15				
		Milled and gougy.				
		391.0 - 392.1				
		Chill margin, sharp lower contact.				
		392.1m (contact)	38			Pyritic stringer along lower contact.

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DRILL HOLE RECORD

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HOLE NUMBER: MTS-52

MINNOVA INC.  
DRILL HOLE RECORD

DATE: 29-August-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE: TO CA:	ALTERATION	MINERALIZATION	REMARKS
392.10	FELSIC TUFF			<W. Ser>		
TD	ASH TUFF	Colour - light grey.				
477.00	<FT,FA>	Grain Size - fine grained.				
		1-22 $\mu$ m quartz eyes, locally 3-5%.		Patchy carbonate stringers/veinlets.		
		1-22 $\mu$ m feldspars, patchy distribution.		Patchy silicification, weakly chloritic		
		Zones of very fine grained felsic ash.		within Qtz/carbonate pyrite stringers.		
		- core has noticeable pitted appearance				
		- weakly foliated.				
		394.2m (foliation)	30			{392.1 - 397.0} <1-2% py>
				{397.0 - 407.3} <Qtz, Carb, Ch> stringers		{397.0 - 407.3} <3-5% py>
				Area of numerous zones of Qtz + carbonate + chlorite + pyrite stringers from 15-30cm wide.		3-5% disseminated pyrite and numerous zones as follows of stringer pyrite up to 20% py and 1% cpy.
						397 - 397.2 7% py
						398.2 - 398.6 5% py
						400.45 - 400.75 20% py, 1% cpy
						404.1 - 404.65 10% py, <1% cpy
						405.15 - 405.6 5-7% py, tr cpy
						406.05 - 406.4 7% py, tr cpy
						406.9 - 407.3 5-7% py
						{407.3 - 456.2} <1-3% py>
						1-3% diss. py, locally up to 5% py.
		418.25 - 419.0				
		Brecciated core, 15% fault gouge.				
		{434.0 - 434.2} <Fault>				
		Milled and gougy core.				
		434.2m (Fault)	20			
		{442.4 - 444.5} <Weakly feldspar phryc>				
		440.5 - Fault				
		442.5 (foliation)	25			
				{440 - 448} <W. chl>		
		{454.8 - 455.3} <Volcanoclastic sediment>				
		Fine grained, medium grey sediments and ashy brown mudstone.				
		454.85m (contact)	20			{454.85 - 455.3} <7% py>
						7% finely disseminated py, some coarse stringer py. Tr cpy.
		{455.9 - 456.15} <Volcanoclastic sediment & mudst>				
		455.9m (contact)	25			{455.9 - 456.15} <3-5% py>
		474.5m (foliation)	10			{456.15 - 477.0} <1% py>

HOLE NUMBER: MTS-52

DRILL HOLE RECORD

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HOLE NUMBER: MTS-52

ASSAY SHEET

DATE: 29-August-1988

Sample	From (m)	To (m)	Length (m)	ASSAYS					GEOCHEMICAL						COMMENTS	
				CU %	ZN %	PB %	AG gm/T	AU gm/T	CU ppm	ZN ppm	PB ppm	AG ppm	AU ppb	AS ppm		BA ppm
9151	192.25	193.40	1.15						231	473		1.4	85			
9152	193.40	194.40	1.00						203	594		2.3	110			
9153	194.40	195.40	1.00						111	556		1.5	45			
9154	195.40	196.25	0.85						95	275		.8	50		740	
9155	199.40	200.40	1.00						53	118		.7	10		920	
9156	200.40	201.40	1.00						54	126		.9	10		1440	
9157	201.40	202.40	1.00						76	76		1.1	5		1630	
9158	202.40	203.40	1.00						45	84		1.0	5		1230	
9159	203.40	204.40	1.00						47	87		.9	10		2600	
9160	204.40	205.40	1.00						62	169		.8	20		1500	
9161	205.40	206.50	1.10						123	89		.6	25			
9245	206.50	207.50	1.00													
9246	207.50	208.40	0.90													
9247	208.40	209.30	1.50													
9162	400.45	400.75	0.30						1920	57		1.7	75			
9163	404.10	404.65	0.55						2330	67		1.5	30			
9248	454.80	455.30	0.50													

HOLE NUMBER: MTS-52

ASSAY SHEET

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HOLE NUMBER: MTS-52

BEDCHEM. SHEET

DATE: 29-August-1988

Sample	From (m)	To (m)	Length (m)	SiO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	MNO2 %	TiO2 %	BA %	CU PPM	ZN PPM	PB PPM	AG PPM	AU PPB	AS PPM	SB PPM	SR %	ZR %	TOTAL %
9321	73.00	76.00	3.00	65.96	14.70	1.33	1.76	4.80	1.61	3.40	.10	.33	.098	1	59	24	.9	5	21	2	.02	.010	94.13
9322	103.00	106.00	3.00	63.59	15.50	1.73	1.68	5.13	1.27	4.27	.09	.33	.048	1	67	26	.9	10	21	2	.02	.011	93.67
9323	133.00	136.00	3.00	63.40	14.73	.77	3.45	3.48	2.09	4.94	.18	.37	.088	89	271	100	.7	5	5	1	.01	.008	93.52
9277	207.00	209.90	2.90	69.64	13.37	2.71	.98	1.33	2.36	4.86	.04	.29	.119	78	564	31	2.6	810	47	2	.02	.012	90.87
9324	398.00	400.50	2.50	71.57	12.15	.72	2.24	.27	2.59	7.08	.07	.27	.152	4	42	12	.5	5	9	1	.01	.007	90.04
9325	430.00	433.00	3.00	71.26	13.45	.97	3.57	1.39	1.92	3.52	.10	.27	.159	37	58	14	.5	5	6	1	.01	.008	93.11
9276	463.00	466.00	3.00	68.76	14.78	1.45	3.40	.30	2.68	4.57	.08	.29	.143	76	43	15	.6	5	9	1	.01	.009	91.90

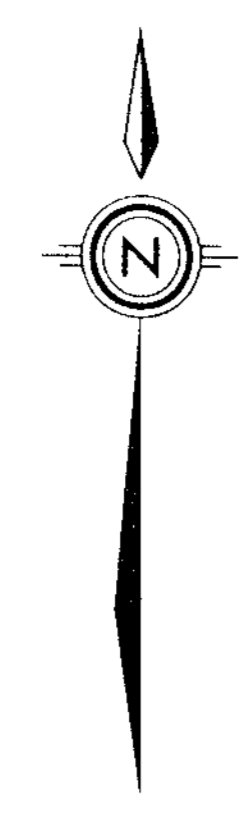
HOLE NUMBER: MTS-52

BEDCHEM. SHEET

PAGE: 3

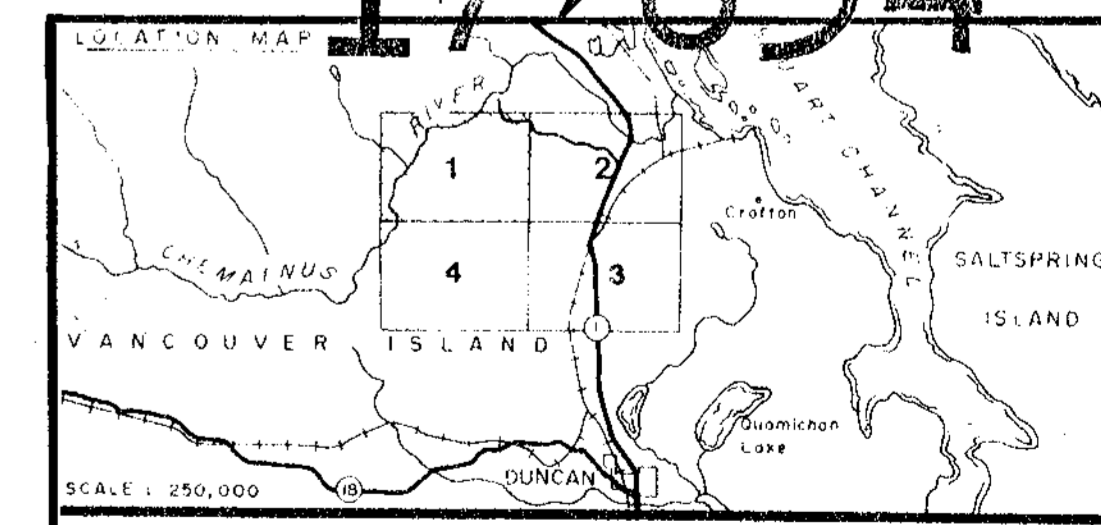
LEGEND

- CRETACEOUS**
- 4 Nanaimo Group Sediments
  - 3 Diorite Intrusions (age unknown)
- PALEOZOIC**
- SICKER GROUP**
- 2 Rhyolitic-Dacitic Volcanics
  - 1 Andesitic Volcanics
- Mineralized chert, ash argillite (mine package)
- SYMBOLS**
- Shaft/old workings
  - Bedding
  - Anticline
  - Syncline
- Fording Coal Lease Boundary
- MTS40 1987 Drill Hole Collar Location
  - IP Chargeability Anomaly
  - IP Survey December 1987
  - 1988 Proposed drill hole location



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

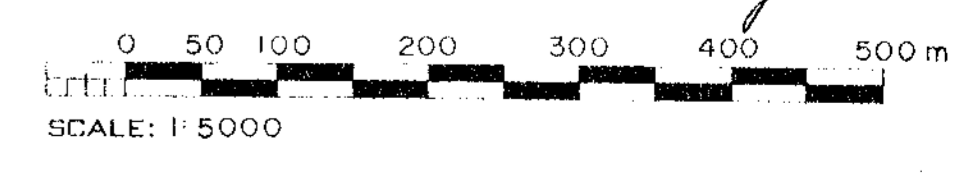
17,834



MINNOVA Inc.

MT. SICKER PROPERTY

GENERALIZED GEOLOGY  
+ DRILL HOLE LOCATIONS



November 1987	FIG. NO.
DRAWN BY HLG/GSW	REVISED JAN. 1988
DATE DEC. 1986	N.T.S. 92 B/13