

77-#250-#6361

Assessment Report
on the
Diamond Drill Program
on the
LAURA CLAIM (Record #147)
Big Missouri Property
situated
27 kilometres north
of
STEWART B.C.
Skeena Mining Division

vic
MINERAL RIGHTS DIVISION
ASSESSMENT REPORT
NO. 6361

Field Work between Sept. 9 and Oct. 14, 1976
and financed by
Tapin Copper Mines Ltd.
by agreement with
TOURNIGAN MINING EXPLORATIONS LTD.
of
Vancouver B.C.

Report by
D. R. Cochrane P. Eng.
August 10, 1977
Delta, B. C.



Cochrane Consultants Limited
4882 Delta St., Delta, B.C. V4K 2T8 946-9221
Geotechnical Consulting / Exploration Services

geology
geophysics
geochemistry

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BACKGROUND

During September and October, 1976, White Mine Development of Vancouver, B. C. contract diamond drilled on the Big Missouri Property, near Stewart B. C. During the drill period the property was under option by Tapin Copper Mines Ltd. from Tournigan Mining, both of Vancouver B. C. The work was supervised by Cochrane Consultants Ltd. of Delta B. C.

This brief report provides drill and assay information and has been prepared to comply with assessment work submission regulations.

NOTE: all latitudes, departures, elevations, distances etc. in metres.



LOCATION and ACCESS

The Unicorn - Big Missouri property is located some 25 kilometres due north of the towns of Stewart, B. C. and Hyder, Alaska, and lies immediately east of the Salmon River in the Portland Canal Mining camp of the Skeena Mining Division. Road access to Stewart is available in fair weather months via a spur of the Stewart/Cassiar road that has been completed in the last few years. Access northerly to Stewart is available from Terrace or Hazelton, and access southerly is from Watson Lake through Cassiar and Eddontenajon to Maziadin Lake, the junction point for Stewart. The gravel road is, however, occasionally washed out or mud or snow covered.

Alternate access is via regularly scheduled aircraft northerly from Prince Rupert with Trans Provincial Airlines.

Road access to the property from Stewart is via the Granduc Mines road which proceeds along the east bank of the Salmon River. A 4 X 4 switchback road continues past the Silbak Premier Mine north and east to the Big Missouri Ridge. An alternate (foot path) route is available from the Big Missouri mill site area on the Granduc Road, easterly to the

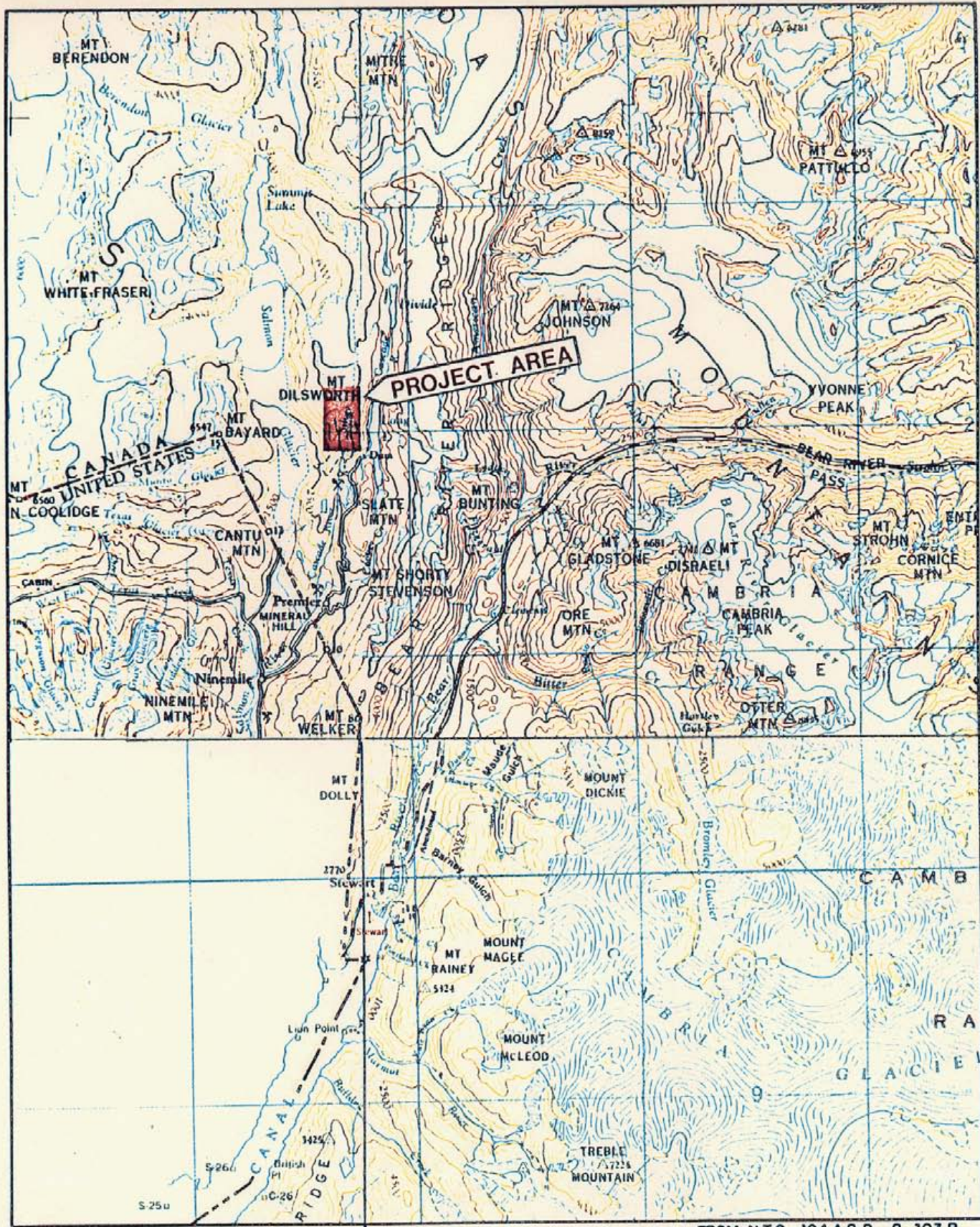


ridge. (A distance of approximately one kilometre).

Vancouver Island Helicopters maintains a base at Stewart and thereby provides alternate facile access.

The N.T.S. code reference for the area is 104 B/1; the longitude is 130° West and the latitude is $56^{\circ} 07'$ North.





130° 00'

56° 00'

- FROM N.T.S. 104 A & B, & 103 P.

BIG MISSOURI PROJECT

TOURNIGAN MINING EXPLORATIONS Limited		
LOCATION MAP		
Cochrane Consultants Limited		
SCALE: 1:250,000 - 1" = 4 mi.		
SEPT. 1976.	FIG. 1	BAC

SPECIFICATIONS

CONTRACTOR: White Mine Development,
1234 Seymour Street,
Vancouver, B. C.

DRILL: WINKIE with EX rods

CORE: 1 inch or 2.54cm

SUPERVISION: Cochrane Consultants Ltd.,
4882 Delta Street,
Delta, B. C.

CORE STORAGE: As above

LOCATION: Drill holes 76-1 to 76-6 in the Creek
Zone, LAURA claim and drill holes 76-7
and 76-8 on the S-1 Gold Zone, also on
the Laura Claim. (See accompanying maps)

ASSAYS: by Bondar Clegg and Co., North Vancouver,
B.C. assayed for Cu, Pb, Zn, Ag and Au.

GEOLOGICAL LOGGING:
by D. R. Cochrane, P. Eng., G. Giroux,
P. Eng. and Dr. W. Smitheringale, P. Eng.

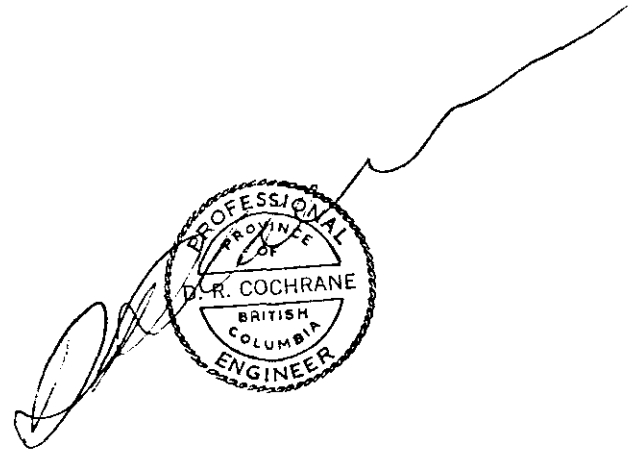


DURATION OF WORK

between Sept. 9 and October 14, 1976

POSITION - ELEVATION:

by transit surveying by Cochrane and Giroux,
elevations based on metric base map prepared
from air photos by Pacific Survey Corp.,
latitude (LATS) and departures (DEPS)
relative to a base line grid established
in 1976.



DRILL HOLE SUMMARY

<u>HOLE NO.</u>	<u>ZONE</u>	<u>LAT.</u>	<u>DEP.</u>	<u>ELEV. (m)</u>	<u>BEAR</u>	<u>DIP</u>	<u>DEPTH(m)</u>
76-1	CREEK	1380N	1559E	880.4	-----	90	15.3
76-2	CREEK	1365N	1538E	878.6	105°	-45	27.1
76-3	CREEK	1351N	1558E	885.9	010°	-33	6.7
76-4	CREEK	1362N	1560E	882.8	012°	-38	30.0
76-5	CREEK	1384N	1564E	881.9	235°	-45	25.6
76-6	CREEK	1387N	1581E	893.8	240	-65	21.3
76-7	S - 1	1385N	1277E	943.9	100	-45	27.4
76-8	S - 1	1385N	1277E	943.9	000	-45	24.4

Total of eight (8) EX diamond drill holes totaling 177.8 metres

PLEASE NOTE: Latitudes, departures, elevations and depths in metres
Bearings are relative to true north. Drill holes surveyed
by transit and chain.

STATEMENT OF EXPENSES

A.	White Mine Development. (see enclosed)	
	Invoice # P-7-02	\$ 3,484.00
	Invoice # P-7-03.....	4,901.25
B.	Cochrane Consultants Ltd.	
1.	D. R. Cochrane, P. Eng. supervision, surveying 2 days @ \$200/day	400.00
2.	G. Giroux, P. Eng. logging core, surveying, total 5 days @ \$100/day.....	500.00
3.	B. A. Cochrane, drafting total 52.8 hrs @ \$8.25/hr.	435.60
C.	Assaying: Bondar Clegg and Co. 49 samples for Cu, Pb, Zn, Ag and Au at a unit price of \$21.50 per sample plus \$2.00 Sample preparation charge per sample 49 X \$ 23.50	1,151.50
	Total.....	\$10,872.35

The above total is exclusive of camp, transportation,
communications, survey equipment rental and data processing costs.



PERSONNEL AND DATES WORKED

D. R. Cochrane, P. Eng. (Geological Consultant) Registered member of the Association of Professional Engineers, B. C. Experience in mining and exploration since 1958. Graduate from Toronto, 1962 (B.A. Sc.) and Queen's in 1964 (M.Sc. Eng.)

Nominal 2 days in Sept. and Oct. 1976 on drilling.

G. Giroux, P. Eng. (Geological Engineer). Registered member A. P. Eng., B. C. Graduate 1970, University of B. C. (B.A. Sc.)

Nominal 5 days in Sept. and Oct. 1976 on drilling.

M. Mathieu, President, Scope Exploration Services, extensive experience in mining and exploration since the 1950's.



APPENDIX I
DRILL CONTRACT
and
INVOICES



BETWEEN: TAPIN COPPER MINES LTD. - BIG MISSOURI PROJECT

c/o Cochrane Consultants Limited
4882 Delta Street
Delta, B.C.

(hereinafter referred to as the "Company")

AND:

WHITE MINE DEVELOPMENT LTD.
1234 Seymour Street
Vancouver, B.C.

(hereinafter referred to as the "Contractor")

WHEREAS the Company has requested that the Contractor carry out certain work and other services on the Big Missouri Project near Stewart, B.C.

AND WHEREAS the Contractor hereby agrees to perform the said work and other services requested under the terms and conditions hereinafter contained.

1. SCOPE OF WORK

To Diamond Drill on surface as per instructions.

2. COMMENCEMENT

As soon as contract is signed.

3. The Contractor agrees to:

(a) Supply all necessary equipment to drill holes.

1. All IEX rods - 1" core.

2. Winkie Drill.

(b) 4 x 4 truck to haul equipment to jobsite.

(c) All labour (two men).

(d) Core Boxes (at Company cost).

(e) To move drill 200 feet from any road accessible by truck.

4. The Company agrees to:

(a) Transport equipment to drill site if more than 200 feet from accessible road. (accessible by 4 x 4 truck).

(b) Pay Contractor \$8.00 per foot drilled.

(c) Provide room and board (or pay \$25.00 per day per man to Contractor).

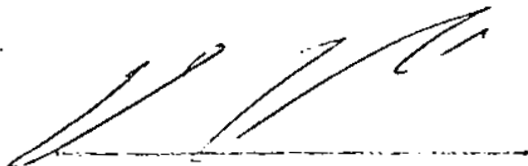
4. Continued:

- (d) Pay Contractor \$35.00 per hour for time involved in changing drill sites - this includes two men and equipment.
- (e) Pay Contractor \$1,000 advance when crew and equipment arrive on drill sites - this amount to be deducted from last invoice.
- (f) Pay Contractor on the 5th and 20th of each month.
- (g) There is to be no charge for mobilization - but there will be a charge of \$500. demobilization on completion of job.
- (h) Pay for E. Featherboard core boxes - at a cost of \$2.25 each.

INSURANCE AND GENERAL

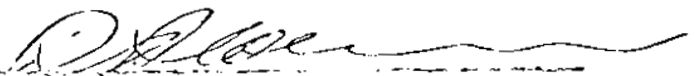
- 1. The Contractor shall provide and maintain Comprehensive General Liability Insurance protecting himself and the Company against damages arising from personal injury (including death) and from claims for property damage.
- 2. The Contractor shall be responsible for, and will pay promptly all costs and charges incurred by himself for Worker's Compensation, Holiday Pay, Canada Pension, Unemployment Insurance, Sales Taxes, or other such applicable charges relative to his own labour and supplies purchased.


IN WITNESS WHEREOF the Parties hereto have executed this agreement on the 7th day of September, 1976.



Witness

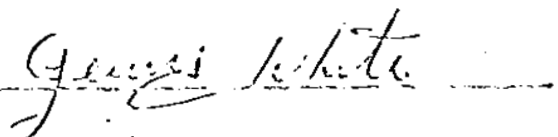
TAPIN COPPER MINES LTD.

By 



Witness

WHITE MINE DEVELOPMENT LTD.

By 

WHITE MINE DEVELOPMENT LTD.

1860 EAST 22ND AVENUE
VANCOUVER, B. C. V5N 2R1
TELEPHONE 872-1435

INVOICE NO. P-7-02
REF. J.E. _____
V.O. _____
A/C _____
DATE: Sept. 30, 1976

TO:

Tapin Copper Mines Ltd.
c/o Cochrane Consultants Ltd.
4882 - Delta Street
Delta, B.C.

Attention: Mr. D. Cochrane

081-0419

WE debit YOUR ACCOUNT AS FOLLOWS:

Big Missouri Project - Invoice from September 9th to 23rd, 1976	
274 feet - Footage Advance @ \$8.00 per lineal foot	\$2,192.00
<u>32 hours</u> - Cost Plus Time @ \$35.00 per man hour <i>(amount, time)</i>	1,120.00
4 days - Room and Board @ \$25.00 per man day <i>(8 hrs)</i>	100.00
32 boxes - A Feather Core Boxes @ \$2.25 each	72.00
Total	<u>\$3,484.00</u>

Thank-you

Please remit to our new address at 1234 Seymour Street
Vancouver, B.C. V6B 3N9

*pay I will work
it out in next
invoice D
DPL
Oct 5/76*

INVOICE NO. P-7-02

PAID

OCT 19 1976
Cheque No. 76-51

PER _____

WHITE MINE DEVELOPMENT LTD.

1860 EAST 22ND AVENUE
VANCOUVER, B.C. V5N 2R1
TELEPHONE 872-1435

INVOICE NO. P-7-03

TO:
Tapin Copper Mines Ltd.
c/o Cochrane Consultants Ltd.
4882 - Delta Street
Delta, B.C.

Attn: D. Cochrane

REF. J.E. _____

V.O. _____

AVC _____

DATE October 26/76

WE DEBIT YOUR ACCOUNT AS FOLLOWS:

Big Missouri Project

Invoice for period of September 24 to October 13, 1976

313 Feet	- Footage Advance @ \$8.00 per lineal foot	\$ 2,504.00
35 Hours	- Cost Plus Time @ \$35.00 per hour	1,610.00
3 Days	- Room and Board - 2 men @ 25.00 each per day	150.00
61	- Featherboard Core Boxes @ \$2.25 each	137.25
	- Demobilization	500.00
	Sub-total	\$ 4,901.25
Less: Advance		-1,000.00
	Total	<u>\$ 3,901.25</u>

PAID
1150 8 PAID

Cheque No. 26-61

PER _____

Thank-you

Please remit to our new address at 1234 Seymour St.
Vancouver, B.C. V6B 3N9

INVOICE NO. P-7-03

GRAN

...ING COMPANY

P.O. BOX 69, STEWART, B.C. V0T 1W0

INVOICE No.	0214
DATE	August 23/76
ACCOUNT No.	086-041
YOUR P.O. NUMBER	
TERMS	

TAPIN/BIG A MISSOURI PROJECT

REC'D SEP 7 1976

- Cochrane Consultants Ltd.,
- 4882 Delta St.,
- DELTA, B. C.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
TO: Invoice you for the rental of one D6 Cat as follows:-				
		August 20/76 4 Hrs. @	35.00	140.00
		" 21/76 10 1/2 Hrs. @	35.00	367.50
		" 22/76 9 Hrs. @	35.00	315.00
Invoice you for the rental of one low bed unit for the haulage of above Cat from Stewart to Premier and return as follows:-				
		August 21/76 1 Hr. @	25.00	25.00
		" 22/76 1 Hr. @	25.00	25.00

PAID: 2. Sept 76-19

PLEASE PAY FROM THIS INVOICE

SUB-TOTAL \$872.50

TAX.

TOTAL \$872.50

Inance Walker

GRANDUC OPERATING COMPANY

P.O. BOX 69, STEWART, B.C. V0T 1W0

INVOICE
No.

0251

DATE

Sept. 29/76

ACCOUNT No.

086-041

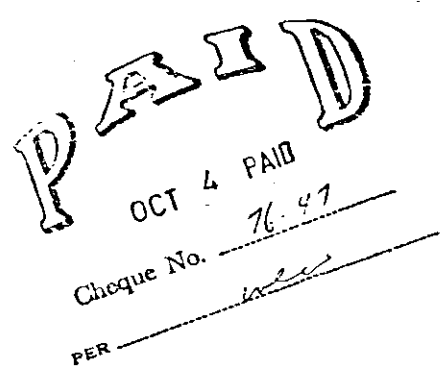
YOUR P.O.
NUMBER

TERMS

• Cochrane Consultants Ltd.,

• 4882 Delta St.,

• DELTA, B. C.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
TO: Invoice you for the rental of One D6 Cat as follows:-				
		Sept. 24/76 11 Hrs. @	\$ 35.00	\$385.00
		Sept. 25/76 11 Hrs. @	35.00	385.00
		Sept. 26/76 11 HRS. @	35.00	385.00
		Sept. 27/76 8 Hrs. @	35.00	280.00
		Sept. 28/76 8 Hrs. @	35.00	280.00
Invoice you for the rental of One low bed unit for the haulage of above Cat from Stewart to Premier and return as follows:-				
		Sept. 24/76 1 Hr. @	25.00	25.00
		Sept. 28/76 1 Hr. @	25.00	25.00
				
PLEASE PAY FROM THIS INVOICE			SUB-TOTAL	\$1,765.00
			TAX	
			TOTAL	\$1,765.00

APPENDIX II

DRILL LOGS & ASSAYS.



1380 N

PROPERTY TAPIN / BIG MISSOURI - CREEK ZONE



DIP TEST

Footage	Angle	
	Reading	Corrected
cellar	-90	

HOLE No. 76-1 Sheet No. 1 Lot. 1380 N Total Depth 15.3 m
 Section Dep. 1559E Logged By G.G.
 Date Begun Sept 9/76 Bearing - Claim LAUDA
 Date Finished Sept. 13/76 Elev. Collar 880.4 (m) Core Size 1"

DEPTH	DESCRIPTION	cu %	SAMPLE No.	WIDTH OF SAMPLE (meters)	Pb %	Zn %	Ag g/ton	Au g/ton
0 - 1.8	Recovery ~ 70% py, some galena	0.091	11951	1.8	0.09	2.50	0.45	0.013
1.8 - 3.2	Recovery ~ 80% more sulphides than 51	0.103	11952	1.4	0.09	1.69	0.41	0.015
5.3 - 7.3	Abundant py. - some galena & sphalerite	0.10	11953	2.0	0.04	0.19	0.10	0.001
	Weighted average							
	11951 & 11952	0.096		3.2	0.09	2.15	0.43	0.014



PROPERTY TAPIN / BIG MISSOURI CREEK ZONE

DIP TEST

Footage	Angle	
	Reading	Corrected
Casing	-38°	

HOLE No. 76-4 Sheet No. 1 Lat. 1362 N Total Depth 30 m
 Section 1360 E Logged By G.A.
 Date Begun Sept. '76 Bearing 012° (true) Claim LAURA
 Date Finished " " Elev. Collar 882.8 Core Size 1"

DEPTH	DESCRIPTION	Cu %	SAMPLE No.	WIDTH OF SAMPLE	Pb %	Zn %	Ag oz/ton	Au oz/ton
0-1.5	very poor core recovery							
1.5-3.7	Diss. sphalerite, chloritic some sil.	.041	11957	2.2	0.13	0.82	0.38	0.020
3.7-4.9	Not sampled							
4.9-7.2	Sphalerite - diss & in blebs	.039	11958	2.3	0.06	0.73	0.29	0.023
7.2-30	Tuff?							
30m	end hole							
	Weighted average							
	57/58	.040		4.5	0.09	0.77	0.33	.022

DIAMOND DRILL RECORD



PROPERTY TAPIN / BIG MISSOURI CREEK ZONE

DIP TEST

Footage	Angle	
	Reading	Corrected
Casing	-45°	

HOLE No. 76-5 Sheet No. 1 Lot. 1384 N
 Section Dep. 1564 E
 Date Begun Sept. 76 Bearing 235°
 Date Finished Sept. 76 Elev. Collar 881.9

Total Depth 25.6
 Logged By G.G.
 Claim LAURA
 Core Size 1"

DEPTH	DESCRIPTION	Cu %	SAMPLE No.	WIDTH OF SAMPLE	Pb %	Zn %	Ag g/ton	Au g/ton
0-1.5	10% core recovery - chips only							
1.5-2.4	50% " " - py - scattered Zn	.268	11959	0.9	.12	.94	.91	.190
2.4-3.4	Silicified - vis. sphalerite / veinlets	.180	11960	1.0	.41	.46	.49	.038
3.4-5.2	75% rec. - scattered ZnS & chalc.	.023	11961	1.8	.02	.12	.17	.018
5.2-6.1	" " -	.001	11962	0.9	.01	.04	.06	.002
6.1-7.0	" " tuff or lapilli	.007	11963	0.9	.01	.09	.16	.002
7.0-8.8		.008	11964	1.8	.01	.14	.19	.003
8.8-10.7		.002	11965	1.9	.02	.04	.17	.002
10.7-11.6		.003	11966	0.9	.03	.09	.11	.008
11.6-25.6	Poor rec. scattered py End hole 25.6							
	Weighted average 59860	.222	59/60	1.9	0.27	.69	.67	0.110

DIAMOND DRILL RECORD



PROPERTY TAPIN / BIG MISSOURI CREEK ZONE

DIP TEST		
Footage	Angle	
	Reading	Corrected
Casing	approx - 65	

HOLE No. 76-6 Sheet No. _____ Lot 1387 N
 Section _____ Dep. 1581 E
 Date Begun Sept 76 Bearing approx 240°
 Date Finished _____ Elev. Collar 893.8
 Total Depth 21.3
 Logged By G.G.
 Claim LAURA
 Core Size 1"

DEPTH	DESCRIPTION	Cu %	SAMPLE No.	WIDTH OF SAMPLE	Pb %	Zn %	Ag g/ton	Au g/ton
0 - 0.6	80% rec. oxydized							
0.6 - 1.5		.002	11967	0.9	.04	.07	.09	.003
1.5 - 3.0	Pyrite, shalerite some galena	.003	11968	1.5	.02	.04	.11	.035
3.0 - 4.6		.011	11969	1.6	.17	.18	.18	.075
4.6 - 6.1	90% rec. ~ 10% sulfides	.009	11970	1.5	.09	.20	.10	.024
6.1 - 7.6		.001	11971	1.5	.06	.14	.08	.010
7.6 - 9.1		.003	11972	1.5	.04	.10	.09	.001
9.1 - 10.7	80% rec. 10-20% py, ZnS, Pb, chalc.	.078	11973	1.6	.06	1.46	.54	.030
10.7 - 12.2		.889	11974	1.5	.42	8.20	3.59	.240
12.2 - 12.8		1.135	11975	0.6	.30	12.75	3.70	.175
12.8 - 13.7		.219	11926	0.9	.20	1.60	1.23	.165
13.7 - 15.2	90% rec. ~ 10% sulf.	.010	11927	1.5	.03	.11	.22	.006
15.2 - 16.8		.008	11928	1.6	.03	.08	.18	.005
16.8 - 18.3		.008	11929	1.5	.04	.10	.19	.005
	Weighted average 73/26	.508		4.6	.23	5.16	2.08	.144

DIAMOND DRILL RECORD



PROPERTY TAPIN / BIG MISSOURI S-1. Crown Zone

DIP TEST		
	Angle	
Footage	Reading	Corrected
approx	-45	

HOLE No. 76-B Sheet No. Lat. 1385 N
 Section Dep. 1277 E
 Date Begun Oct. Bearing North
 Date Finished Oct. 14/76 Elev. Collar approx. 940 m.
 Total Depth 24.4
 Logged By G. G.
 Claim Union F.
 Core Size 25 mm.

DEPTH	DESCRIPTION	Cu %	SAMPLE No.	WIDTH OF SAMPLE	Pb %	Zn %	Ag g/ton	Au g/ton
0 - 1.2	Casing							
1.2 - 4.6	55% G. Rec. dike?							
4.6 - 6.1	Approx. 10% Ag, 1% Pb/Zn.	.010	11942	1.5	.03	.13	.10	.003
6.1 - 7.6	90% G. Rec.	.009	11943	1.5	.01	.04	.06	.002
7.6 - 9.1		.010	11944	1.5	.02	.04	.08	.017
9.1 - 10.7		.010	11945	1.6	.01	.18	.10	.007
10.7 - 12.2		.016	11946	1.5	.03	.11	.10	.005
12.2 - 13.7	Dike No sample		-	-				
13.7 - 15.2		.018	11947	1.5	.02	.18	.10	.006
15.2 - 16.8	Blebs galena, approx 10% sulph.	.019	11948	1.6	.02	.18	.11	.054
16.8 - 18.3		.007	11949	1.5	.12	.15	.10	.057
18.3 - 20.3		.011	11950	2.0	.04	.09	.08	.010
20.3 - 20.6	Dike 20.3 to 20.6		-	-				
20.6 - 22.6	10% sulphides	.035	11876	2.0	.05	.48	.21	.024
22.6 - 24.4	Approx 20% core rec.		-	-				
	24.4 meters end hole.							

DIAMOND DRILL RECORD



PROPERTY TAPIN / BIG MISSOURI. SI-GOLD ZONE

HOLE No. 76-7 Sheet No. Lat. 1385N
 Section Dep. 1277E
 Date Begun Oct. 76 Bearing approx. 100°
 Date Finished " " Elev. Collar. approx. 940 m

Total Depth. 27.4
 Logged By G.G.
 Claim UNION F.R.
 Core Size 1"

DIP TEST		
Footage	Angle	
	Reading	Corrected
Casing	approx. 45	

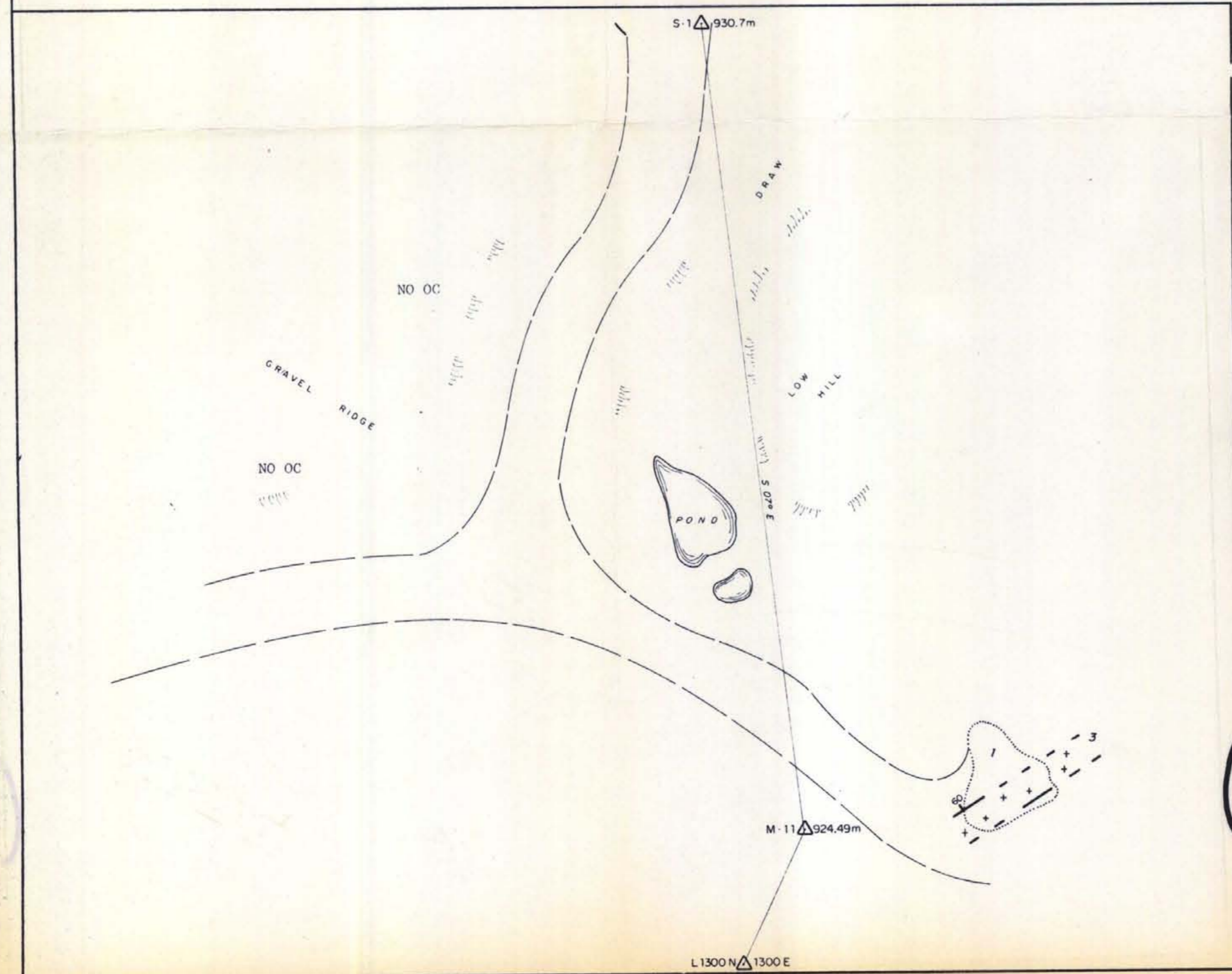
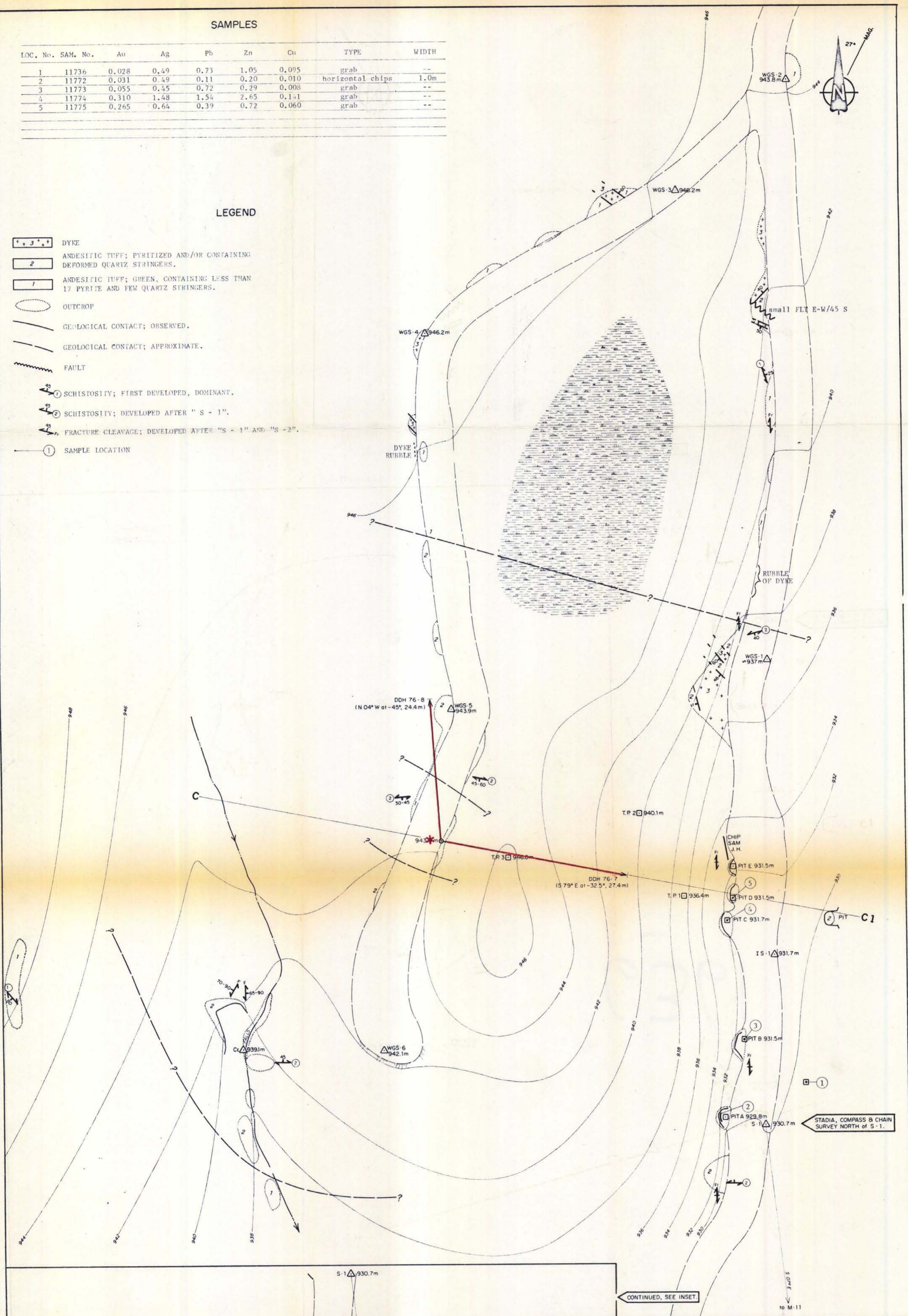
DEPTH	DESCRIPTION	Cu %	SAMPLE No.	WIDTH OF SAMPLE	Pb %	Zn %	Ag g/ton	Au g/ton
0 - 4.6	Approx 50% core rec. oxidized							
4.6 - 6.1		.030	11932	1.5	.11	.28	.19	.011
6.1 - 7.6	70% rec. Pyrite, chalc., sphalerite	.013	11933	1.5	.03	.61	.23	.148
7.6 - 9.1		.072	11934	1.5	.04	3.83	.78	.430
9.1 - 10.7	Narrow seams galena	.024	11935	1.6	.06	.32	.18	.018
10.7 - 12.2	98% rec. < 10% py, trace gal.	.029	11936	1.5	.04	.10	.15	.007
12.2 - 13.7	5% py	.014	11937	1.5	.08	.08	.13	.014
13.7 - 15.2	5-10% sulph., py, gal., sphal.	.019	11938	1.5	.06	.30	.14	.020
15.2 - 16.3		.017	11939	1.1	.04	.16	.10	.010
16.3 - 24.2	Not sampled		-	-				
24.2 - 25.9		.008	11940	1.7	.05	.06	.10	.022
25.9 - 27.4	65% C. Rec. < 10% sulph.	.007	11941	1.5	.01	.04	.10	.054
	End hole 27.4 meters.							
	Weighted average 33/34	.043		3.0	.03	2.22	.51	.289

SAMPLES

LOC. No.	SAM. No.	Au	Ag	Pb	Zn	Cu	TYPE	WIDTH
1	11736	0.028	0.49	0.73	1.05	0.095	grab	--
2	11772	0.031	0.49	0.11	0.20	0.010	horizontal chips	1.0m
3	11773	0.055	0.45	0.72	0.29	0.008	grab	--
4	11774	0.310	1.48	1.54	2.65	0.1+1	grab	--
5	11775	0.265	0.64	0.39	0.72	0.060	grab	--

LEGEND

- DYKE
- ANDESITIC TUFF; PYRITIZED AND/OR CONTAINING DEFORMED QUARTZ STRINGERS.
- ANDESITIC TUFF; GREEN, CONTAINING LESS THAN 17 PYRITE AND FEW QUARTZ STRINGERS.
- OUTCROP
- GEOLOGICAL CONTACT; OBSERVED.
- GEOLOGICAL CONTACT; APPROXIMATE.
- FAULT
- SCHISTOSITY; FIRST DEVELOPED, DOMINANT.
- SCHISTOSITY; DEVELOPED AFTER "S - 1".
- FRACTURE CLEAVAGE; DEVELOPED AFTER "S - 1" AND "S - 2".
- SAMPLE LOCATION



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 Big Missouri Project Skeena M. D.
 near Stewart, B. C. N.T.S. 104 B

0 5 10 15 20 25 metres
 1:250 1" = 20.83'

0 20 40 60 80 FEET

BASE MAP DRAWN NOVEMBER, 1976. MAPPED BY Wm. S. TRACED BY B.A.C.
 TO ACCOMPANY A REPORT BY D.R. COCHRANE, P.Eng., ON THE BIG MISSOURI-UNICORN PROJ.

FIGURE 5
 S-1 GOLD ZONE

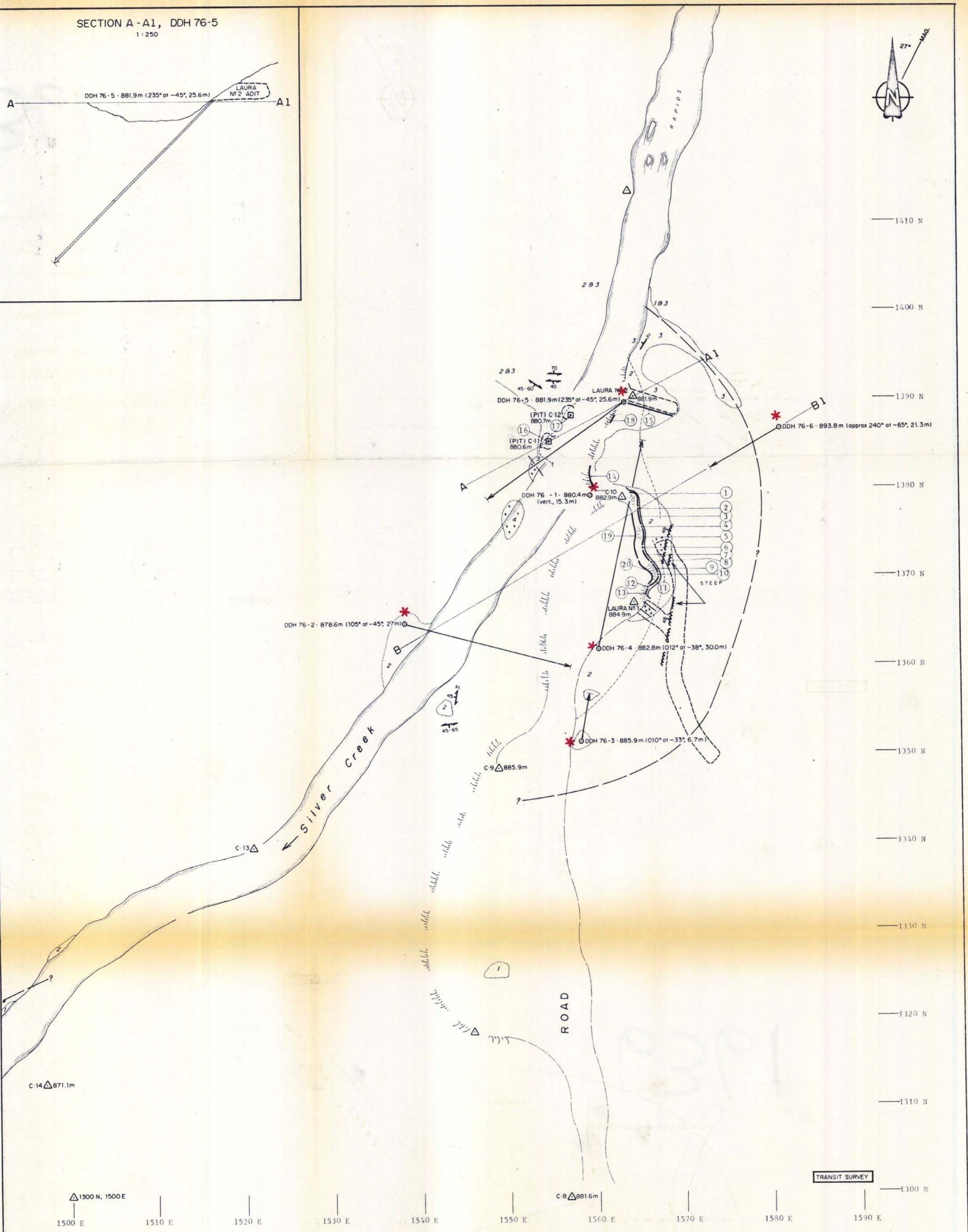
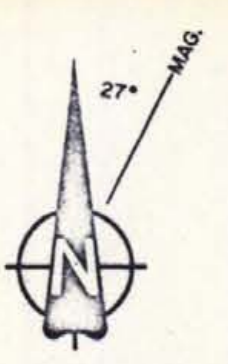
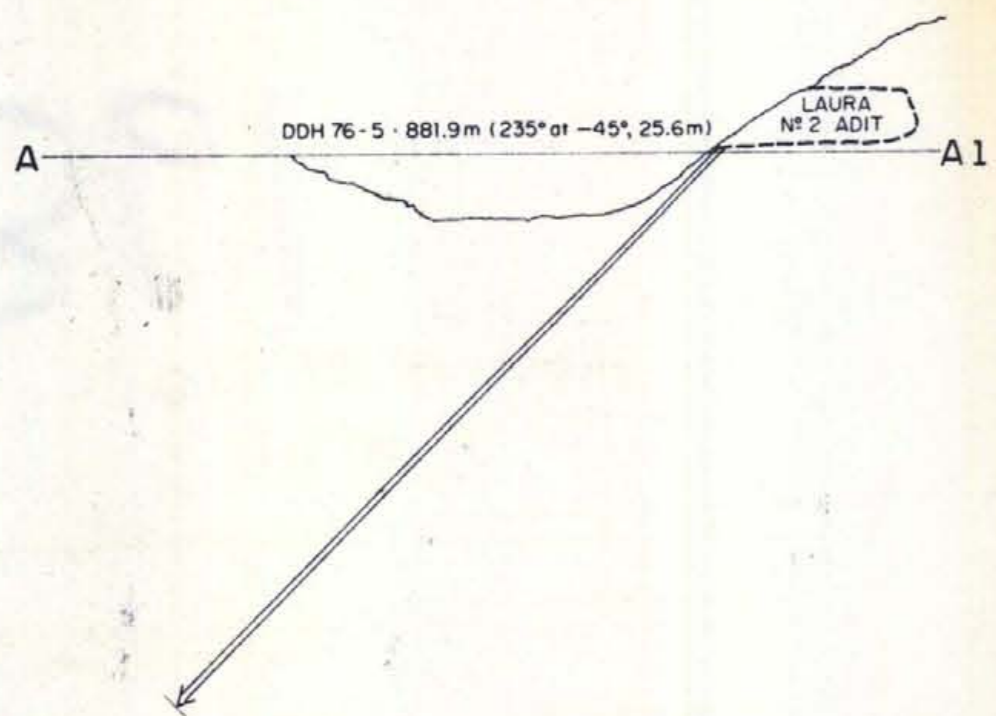
6361 *Drill Hole Location

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6361

To accompany a report by
 D.R. COCHRANE, P.Eng. on the
 "Laura" Claim, August 10, 1977.

Cochrane Consultants Limited
 4682 Delta Street Delta B.C.

SECTION A-A1, DDH 76-5
1:250



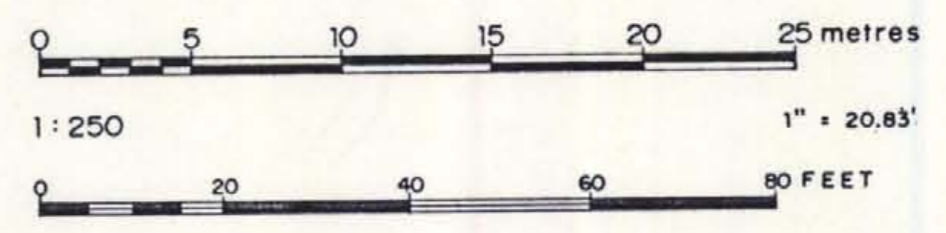
- LEGEND**
- 4 DYKE
 - 3 QUARTZ ROCK: REPLACEMENT & STRINGER QUARTZ
 - 2 SILICIC TUFF; AGGLOMERATIC IN PLACES
 - 7 ARGILLACEOUS TUFF
 - OUTCROP
 - - - APPROXIMATE GEOLOGICAL CONTACT
 - - - LIMIT OF DISSEMINATED SPHALERITE AND GALENA
 - 45° FAULT
 - 45° FRACTURE CLEAVAGE
 - 45° SCHISTOSITY
 - OLD TUNNELS
 - ② SAMPLE LOCATION

SAMPLES

LOC. No.	SAM No.	Au	Ag	Pb	Zn	Cu	TYPE	WIDTH
1	11701	0.049	0.78	0.51	2.35	0.178	horizontal chips	2.6m
2	11702	0.024	2.61	3.34	3.50	1.050	vertical chips	1.4m
3	11703	0.014	2.53	2.72	6.45	0.955	horizontal chips	1.3m
4	11704	0.037	1.44	8.70	2.45	0.285	vertical chips	1.7m
5	11705	0.145	7.48	10.50	6.25	2.510	horizontal chips	2.3m
6	11706	0.030	0.68	0.74	2.05	0.475	vertical chips	2.0m
7	11707	0.026	27.40	1.42	0.73	0.825	horizontal chips	2.3m
8	11708	0.006	2.15	2.84	0.55	0.505	vertical chips	2.1m
9	11709	0.022	0.34	0.32	1.10	0.110	horizontal chips	1.6m
10	11710	0.034	0.39	0.23	0.93	0.112	vertical chips	2.1m
11	11711	0.039	6.84	17.60	4.05	2.420	horizontal chips	2.1m
12	11712	0.047	0.73	0.53	2.85	0.225	vertical chips	2.0m
13	11713	0.034	4.12	3.51	3.55	0.601	horizontal chips	3.0m
14	11758	0.025	0.41	0.25	0.50	0.095	horizontal channel	2.4m
15	11763	0.015	0.97	0.09	2.70	0.260	horizontal channel	5.4m
16	11764	0.008	1.50	0.96	1.69	0.590	grab	--
17	11765	0.006	0.98	1.89	1.02	0.256	grab	--
18	11771	0.088	1.07	0.38	2.85	2.850	horizontal chips	1.0m
19	11665	0.055	2.62	4.74	3.82	1.020	horizontal chips	5.0m
20	11668	0.056	5.80	4.22	2.83	0.650	horizontal chips	3.0m
WT'D AV.	1 to 13	0.050	7.25	5.28	3.38	1.080	horizontal chips only	15.2m

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BASE MAP DRAWN NOVEMBER, 1976. MAPPED by Wm. S. TRACED by B.A.C.
TO ACCOMPANY A REPORT by D.R. COCHRANE, P. Eng., on the BIG MISSOURI-UNICORN PROJ.

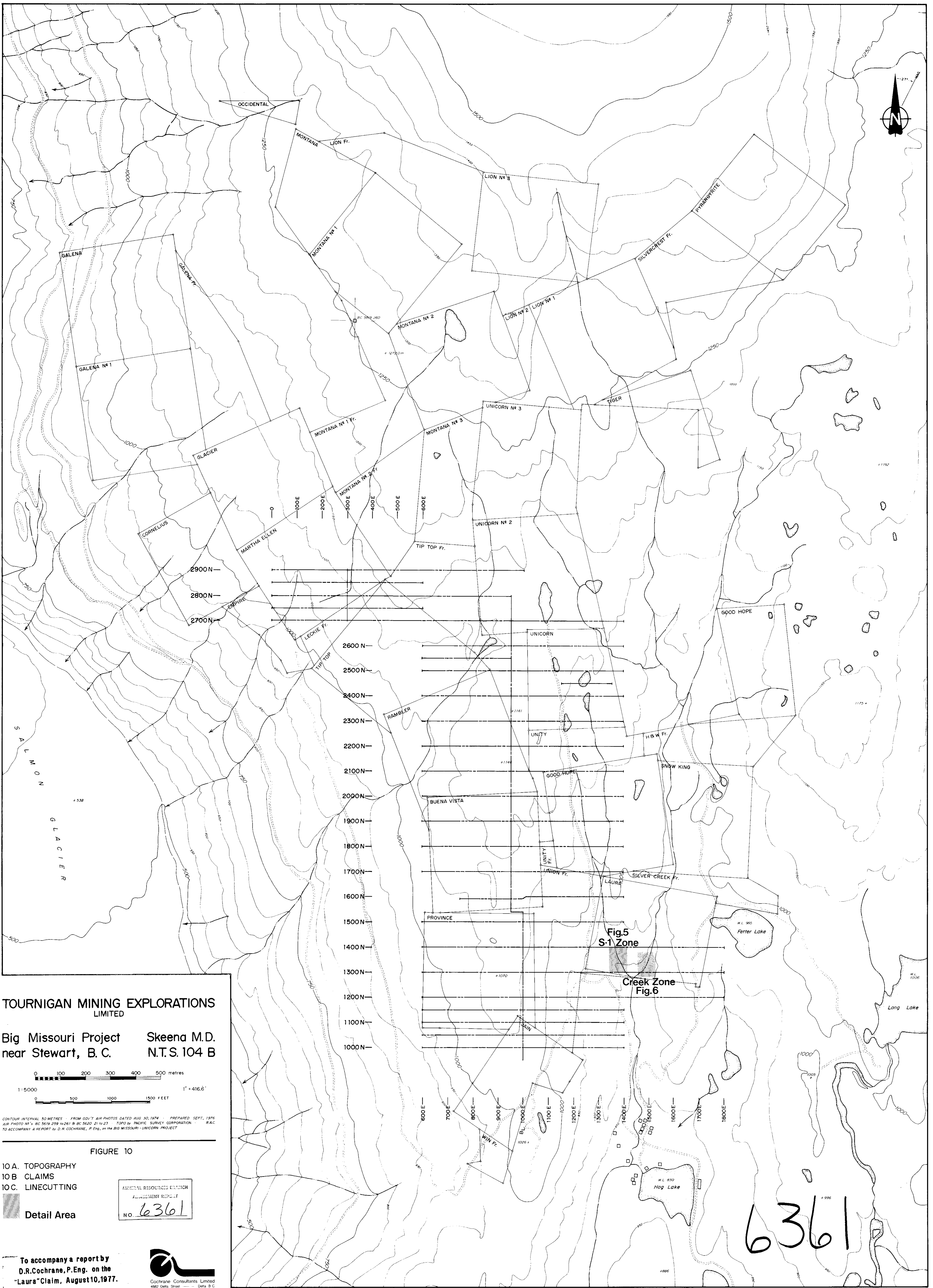
**FIGURE 6
CREEK ZONE**

6361

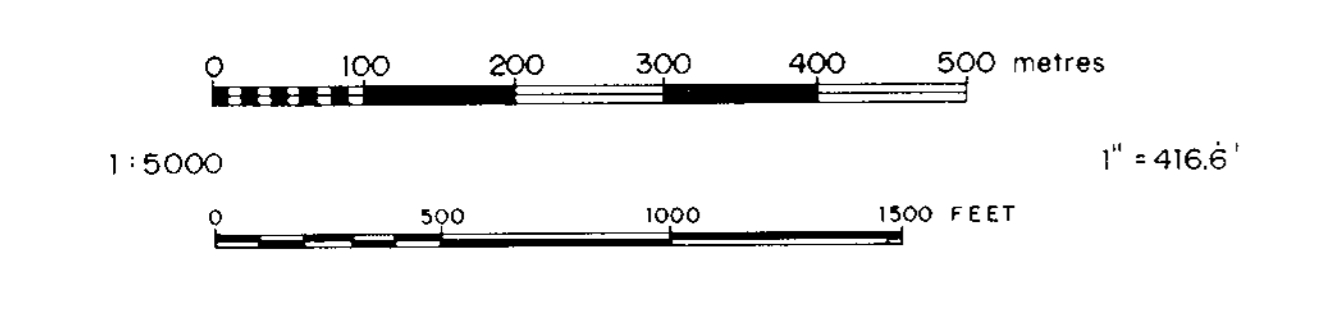
***Drill Hole Location**
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6361

To accompany a report by
D.R. Cochrane, P. Eng. on the
"Laura" Claim, August 10, 1977.





TOURNIGAN MINING EXPLORATIONS LIMITED
Big Missouri Project **Skeena M.D.**
near Stewart, B.C. **N.T.S. 104 B**



CONTOUR INTERVAL 50 METRES FROM GOV'T AIR PHOTOS DATED AUG. 30, 1974 PREPARED SEPT., 1976
 AIR PHOTO N.T.S. BC 5619 259 10261 & BC 5620 2110 23 TOPO BY PACIFIC SURVEY CORPORATION B.C.
 TO ACCOMPANY A REPORT BY D.H. COCHRANE, P. ENG. ON THE BIG MISSOURI-UNICORN PROJECT

FIGURE 10

- 10A. TOPOGRAPHY
- 10B. CLAIMS
- 10C. LINECUTTING

Detail Area

FEDERAL RESOURCES BRANCH
 ASSESSMENT REPORT
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6361