

AUG, 20, 82 - COURSE ISLAND

FROM SEATTLE - EAST on  
LOUISE MAINLINE - RIGHT on  
L100

D.H. - GEOLOGY

CHAIN - G.I.

Limestones + Arg  
PASS - SICTISTONS

- sediments green

BLAUCONITE - green MASS  
(main dep.)

L-02-172

DH

840998  
Louise Island

1982

SAMPLE NO	LOC	AUT	DESCRIPTION
1	1400	200	BEDDED ARG SHALES M.R. 200/45 S
2	1620	240	BED ARG SED - SHALES BEDDED SED. M.R. 190/50 S MCA
A	1700	230	AS IN 2 W FOLDING
B	1900	250	AS IN A - MORE INTENSE FOLDING + SH. OF BEDS.
C	2030	240	AS IN B.
D	2100	"	AS IN B - GEN. TRENCH 103/40
E	2280	260	AS IN D - MORE FOLDING BEDDING GENERALLY VERTICAL
		f	f20

AUG 19, 82 LOUISE 15CANAD

D.H. - GEOLOGY



E.O.C  
2600 TURN TO  
PUMP RD  
- 200' OFF LOUISE M.L.

2400  
O.E

2200  
O.D  
O.C

2000  
O.D

1800  
O.A

1600  
O.P  
- 1500

1400  
O.I

1200 - 1200m

LOUISE  
PUMP  
1000m  
500

- 200m

ROAD  
500m

400m

ROAD  
200

M.L + 100m

SHIRE  
BEATTIE  
RANCH

SAMPLE  
NO

LOC

ALT

DESCRIPTION

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA  
DUKSBAL WATERPROOF

METRIC  
FIELD (S)



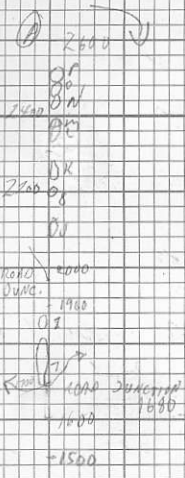
AUG 21, 82 LOUISE ISLAND  
D.H. - GEOLOGY S.G. - SOIL  
FROM END OF AUG 20 D.H. + G.T.  
TRAV ON L100 CONTINUING  
UPWARDS ON ROAD.

L-02-3 to 9

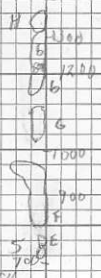
SAMPLE NO	LOC	ACT	DESCRIPTION
A	220	450	BEDDED ARG SH. M R. 136/12 SW FOSSILIFEROUS MCA, WCAV.
B	380	520	AS IN A 99/36 SE
3	420	520	CONTACT ROCK BET BEDDED SH AS IN B, AND GR ROCK AS IN 4. CONTACT 252/64 SE AMYG BAS. ? M CAO - CARBONITIZED
U.	"	"	SILTSTONE, AG? W MEM, MCC, WCA MED GREEN
C	480	550	ARG. SH
D	"	"	AS IN 4
E	720	700	GREY CARB BAS. M CA, WCAV, MR FAIRLY COARSE.
E	760	720	DARK SILTSTONE. WCAV, MCA, FINE W.
F	800	760	S.S. 1 WEATHERED I EX FOLIATION, W, MCA M CARB.

AUG. 21, 82 BOUISE ISLAND (2)  
 Dr. H. J. S.G.

GEOLOGY



26



SWITCHBACK



PUMP ROAD

EOL  
 7800  
 09  
 2600  
 A

SAMPLE NO	LOC	ALT	DESCRIPTION
6	1100	920	AS IN F, SIS.
6	1200	1010	GRY BEDDED SD. LIMY S.S. MCA 298/55 SW M R
H	1360	1100	DK I FRAC, W SH S-S, W CA, M R W HCM
7	1720	1210	VERY DK LIMY ARG M R I FRAC, W SH, W CC W-M CA.
I	1860	1300	LT-M GREEN AS, M CONG, W CC, SOFT W CA, M R. <u>CARBONACE</u> FRAC + SH
J	2140	1340	BEDDED ARG SH. BLACK + FINE, M R. W CA 260/74 S
8	2200	11	MAS CARB GAS GRAY; W-M CA, W G, W OSS PY, M R. POSS AND.
K	2260	11	LIKE 8 - PARKER
L	2360	11	ARG SH - FOLDED
M	2380	11	CARB GAS - AS IN 8

R. D. PERHALL LTD. MADE IN VANCOUVER, CANADA  
DUKSBAK WATERPROOF

METRIC  
FIELD (S)

AUG 21, 82 LOUISE ISLAND

(5)

D.H. F.S.G.

SAMPLE NO	COC	ACT	DESCRIPTION
N	2430	1320	ACT, INTRUSIVE COARSE M.R., M.C.A., W HEM DIOKITE.
O	2450	"	BEAD-ED ARG SA. 98/8 S
P	2500	1	MAS BAS-CARB., W CA, W-M CL. W.M.R.
Q	2700	1	MAS. CARB BAS I R, M DISS PY, W CA, W O

AUG 27, 87 LOUISE ISLAND  
FROM KISSON PT - JUNCTION  
OF L 200 + L 210 - UP ALONG  
L 200

D. H. - GEOLOGY

S. G. - SOIL

SAMPLE NO	LOC	ALT	DESCRIPTION
10	170	370	S.S. M-I CARB V, WCA, MR.
A	190	380	DARK SANDSTONE, POROUS, WR, WCA, WCL
B	240	420	AS IN A, FOSSILIFEROUS
C	300	450	AS IN B, I FRAC
D	400	510	S.S.
11	"	"	CONGLOMERATE IN BETWEEN BASALTS - 10 M ZONE, CONTACTS RUNNING AT 286° CONG - M-I R, POROUS, SAND MATR SMALL - 1 CM INCL.
E	"	"	S.S.
F	440	540	CONG, MASSIVE, POROUS, MUSI INCL UP TO 25 CM. 1 CM.
G	580	610	AS INF
H	620	690	AS ING
I	840	780	S.S. AS IN 10
12	900	11	DARK I MUSI SANDSTONE, WCA, POROUS.

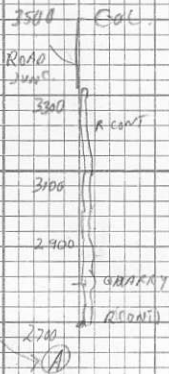
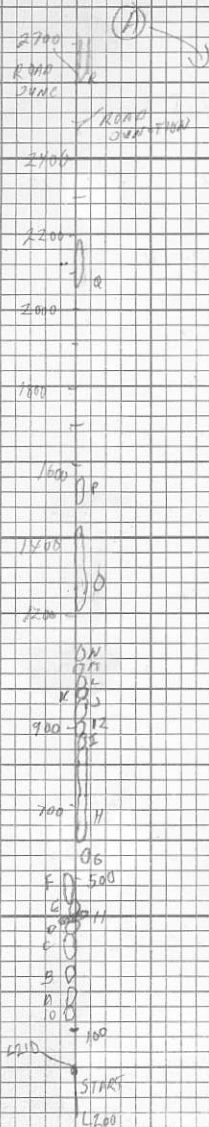
R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA  
DUSSBAK WATERPROOF

METRIC FIELD (S)



AUG 22, 82 LOUISE ISLAND  
 D.H. & S.G. GEOLOGY

(8)



SAMPLE NO	LOC	ALT	DESCRIPTION
J	920	800	CONG. - SANDSTONE
K	1000	850	S.S.
L	1030	860	CONG - SANDSTONE
M	1080	870	T CARB SANDSTONE WCA, SOFT CARB BX.
N	1100	880	SANDSTONE
O	1260	970	" "
P	1500	1120	" "
Q	2070	1230	" "
R	2610	1260	" " - COARSE, W SH. J FRAC.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA  
DUKSBAR WATERPROOF

METRIC  
FIELD (S)

AUG 23, 82 LOUISE ISLAND  
FROM LOUISE ML WP (200 + CONTINUING  
ALONG C 210

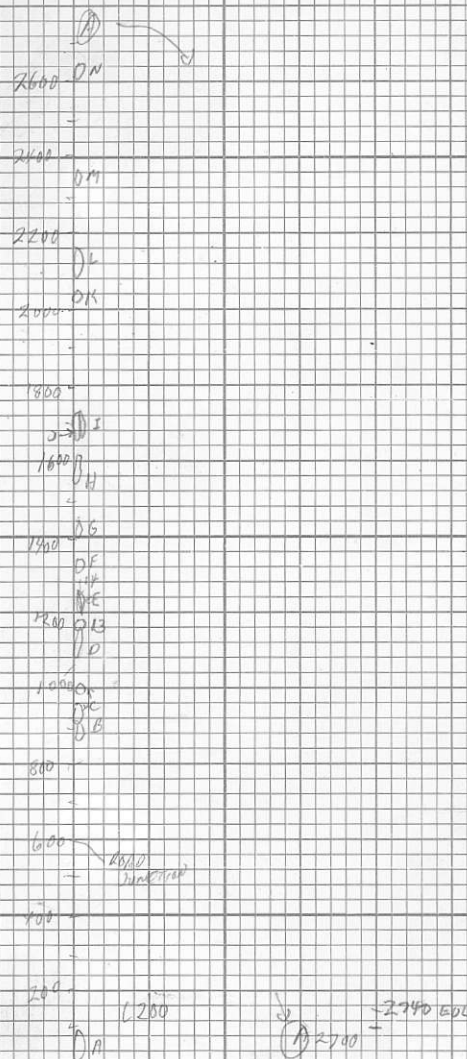
D. H. - GEOLOGY

G. T. - SOIL

SAMPLE NO	LOC	ALT	DESCRIPTION
A	80	90	SANDSTONE - FINE, WCA, W.
B	900	450	SANDSTONE - FINE COAR.
C	930	460	FOLDED BEDDED ARG SHALE + SILTSTONE
D	1100	550	VERY FINE DARK MUDSTONE, SILTSTONE.
J3	1170	600	AND? M CA, M CL, W DISS PY, PHENOCRYSTIS, M., WCAU
14	1230	640	.5 M DYKE ROCK - GRAY, FINE, N-MCA, W-M DISS PY W SIL AND SITE
E	"	"	BLACK FOLDED SH & FINE SILTSTONE W CA V, W "
F	1330	650	BEDDED SILT - SANDSTONE, WCA, W DISS PY 306/90
G	1430	700	AS IN E - SILTSTONE
H	1560	720	BEDDED, VERY FOLDED ARG SH.
I	1700	740	" " "
J	"	"	SH & FOLDED SANDSTONES W CA V.
K	2030	780	BEDDED & FOLDED SILTSTONE
L	2120	800	" " ARG 9
M	2360	840	FINE GRAY SILTSTONE, FRAC + BEDDING 297/56 SW
N	2630	866	AS IN M 310/72 SW

Aug 23, 82  
D. H. + C. T.

COURSE 13CAMP ②  
- GEOLOGY 1:20,000



COURSE  
M.C.

AUG 24, 82 LOUISE ISLAND  
FROM GIRAUD PT ALONG COUSE  
M.C. AND ONTO C-700  
WITH G.T.

D.H. - GEOLOGY

G.T. - SOILS

SAMPLE No	LOC	ALT	DESCRIPTION
A	1550	40	BEDED SANDSTONES 120/16 SW, WR, WCA.
15	1660	160	Q-CAV IN FOLDED BEDED VERY RUSTY SANDSTONE, I RUST, MCA - W DISS PY, W QU, W CAU. M FRAC.
B	1720	180	BEDED S.S. 88/22 S.W. W HEM.
16	1900	240	BEDED VERY COARSE S.S. 132/22 SW W HEM, I, W CA, PGRNS, W CAU.
C	1930	250	BEDED + FOLDED ARG. SH.
	LOUISE	M.L.	FROM C700 JUNK.
17	100	230	GRAY-GREEN SANDSTONE, W CA, W R, W FRAC. <u>BOKING!!</u>

AUG 24 82

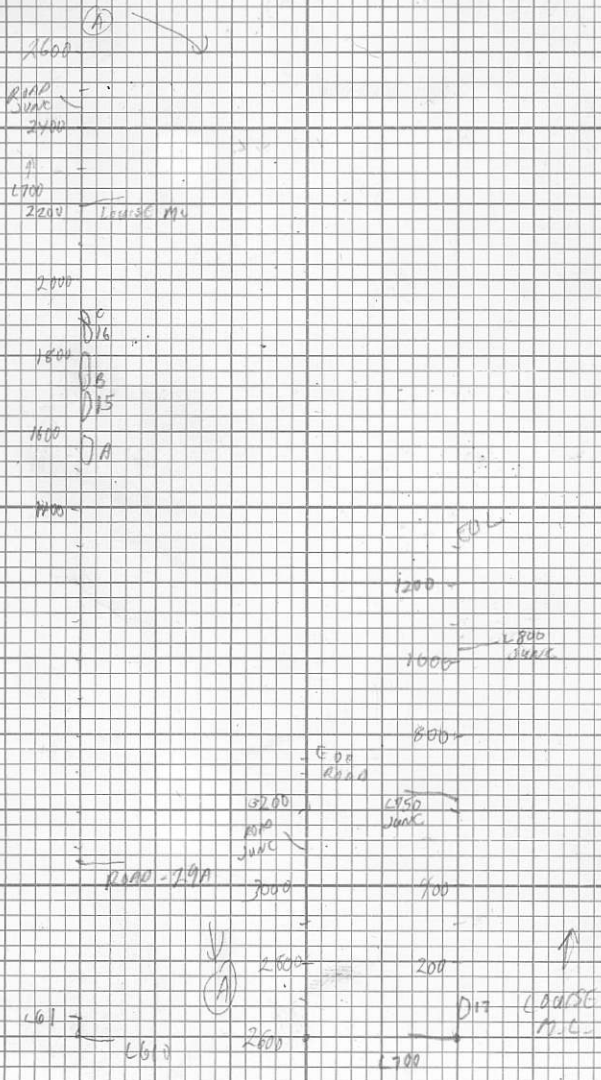
LOUISE

ISLAND

D. H. + G. T.

GEOLOGY

(2)





SAMPLE  
NO

LOC

ALT

DESCRIPTION

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA  
DURABLE WATERPROOF

METRIC  
FIELD (S)

AUG 25, 82 LOUISE ISLAND

UP 7-600 CONT SM + S.C.

AUG 24 TRAV.

D.H. - GEOLOGY

G.T. - SOIL

SAMPLE NO LOC ACT DESCRIPTION

L-600

78 100 760 VERY SIL GRAY ROCK,  
WISSPT, I, W @ V,  
SILICIOUS L.S.!

L 651

19 320 1140 DIORITE SA + FRAC,  
M, VERY COARSE  
PHONO-PELOSMA?  
INTRUSIVE

L 620

A 30 550 BEDDED SANDSTONES,  
GRAY, W R.  
270/4 E

B 700 750 BEDDED SILTSTONES +  
MUDSTONES 254/4 E

C 800 820 AS IN B FOLDED

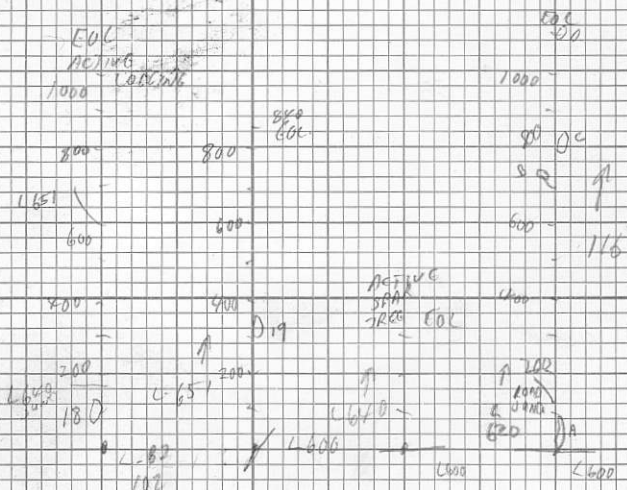
D 1100 850 AS IN B 186/34 N

R. D. PENHALL LTD. MADE IN VANCOUVER CANADA  
DUKSBAK WATERPROOF

METRIC  
FIELD (S)

Aug 25, 87 EARTH ISLAND  
D.H. + G.J. - GEOLOGY

(3)



SAMPLE  
NO

COC

ALT

DESCRIPTION

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA  
DUNSBARK WATERPROOF

METRIC  
FIELD (S)

AUG 26, 82 LOUISE ISLAND  
FROM LOUISE MC TO L 440  
ALONG L 440 + ~~L 444~~

D.H. - GEOLOGY

S.G. - SOIL

SAMPLE NO	LOC	ALT	DESCRIPTION
		1440	
20	110	1250	PORPHY BAS - M CA, M FAIRLY COARSE
A	310	"	AS IN 20
B	420	1280	" " "
21	430	"	VERY FOLDED + FRAC ARG SEC, I PY, I, WCN
22	425	"	IN CONTACT WITH 21 FIELD PORPH, FRAC + SH, INT ACT AND? I DISS PY, I, W SIC IRREGULAR CONTACT
C	450	"	IN CONTACT WITH 21 DIORITE, W CA, M COARSE, WCL, W CAD INTENSIVE
D	620	1330	BEADED - I FOLDED ARG SH
E	710	1340	AS IN 20
F	1210	1300	I FRAC, I WEATHERED SANDS, ONCS + SEDIMENTS FOLDED
G	1410	1280	FINE S.S, W CA, W DARK GRAY, I FRAC
H	1570	1710	AS IN 20
I	1650	1190	AS IN 20

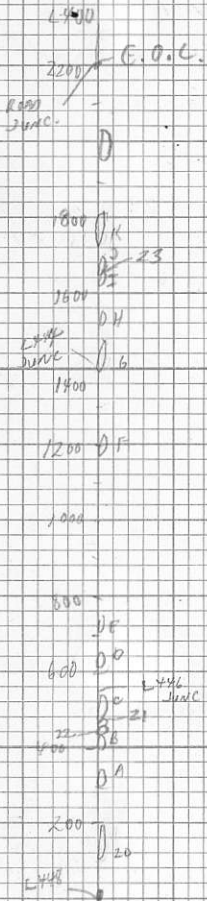
AUG 26, 80

LOUISE ISLAND

GEOLOGY

(2)

P.H. → S.G.





SAMPLE NO	LOC	ALY	DESCRIPTION
Z3	1650	1190	J FRAC + SH Rock BET J + J - J DISS PY, W CHALCO, W MALA, J CA, W CAU FELSITE
J	N	1190	AND CORPH. M GA LESS ALY VAR M DISS PY, J I, W CI OF 22. POSS DISS PY?
K	1750	1170	AS IN J, W DISS PY LESS CL.
L		1610	AS IN Z3, W CAU, W MALA, M DISS PY, M CA M CC, W EP., SH + FRAC

Aug 27, 82 LOUISE ISLAND  
FROM JUNC OF L400 + L440  
ALONG L400, CONTINUING TO END  
OF L-460 + POSSIBLY  
L-450

D.H. - GEOLGY.

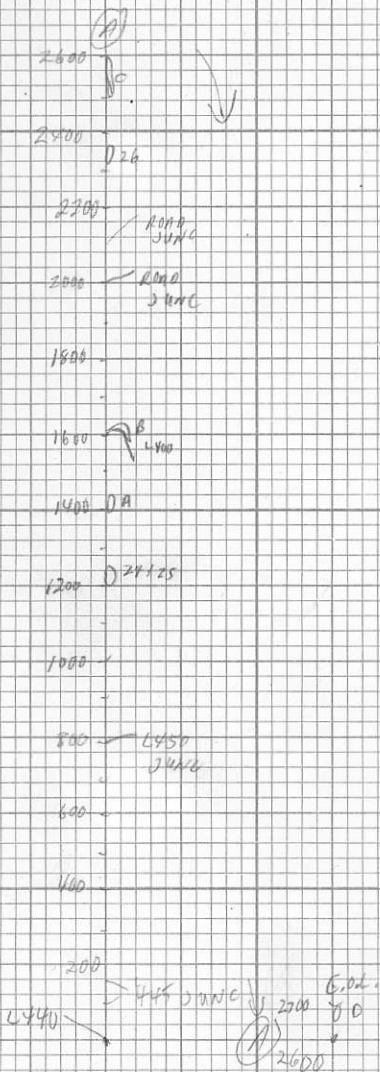
S.G. - SUTC.

SAMPLE NO	LOC	ALT	DESCRIPTION
24	1250	860	GRY SH + FRAC ROCK AND. I DISS PY, IC, W CP, W SIL, W Q-CAV
25	"	"	VEINING IN 24 - 5 cm WIDG VEIN ROCK, M CA, I SIL, W CL, I PY, AND.
A	1420	870	AS IN 24
B	1600	910	" " " W CL, W GP
26	2350	880	DIORITE - COARSE, W <sub>x</sub> , W CA, W CP, FELDSPAR
C	2550	900	DIORITE - FINER W-M CAV, W CP V, SH + FRAC, W <sub>w</sub>
D	2700	"	DIORITE - M CARB-V, M CP V W P, I SH + FRAC, W HEM

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA  
DURABLE WATERPROOF

AUG 27, 82  
D. Hat S.G.

COULISE ISLAND ②  
GEOLOGY



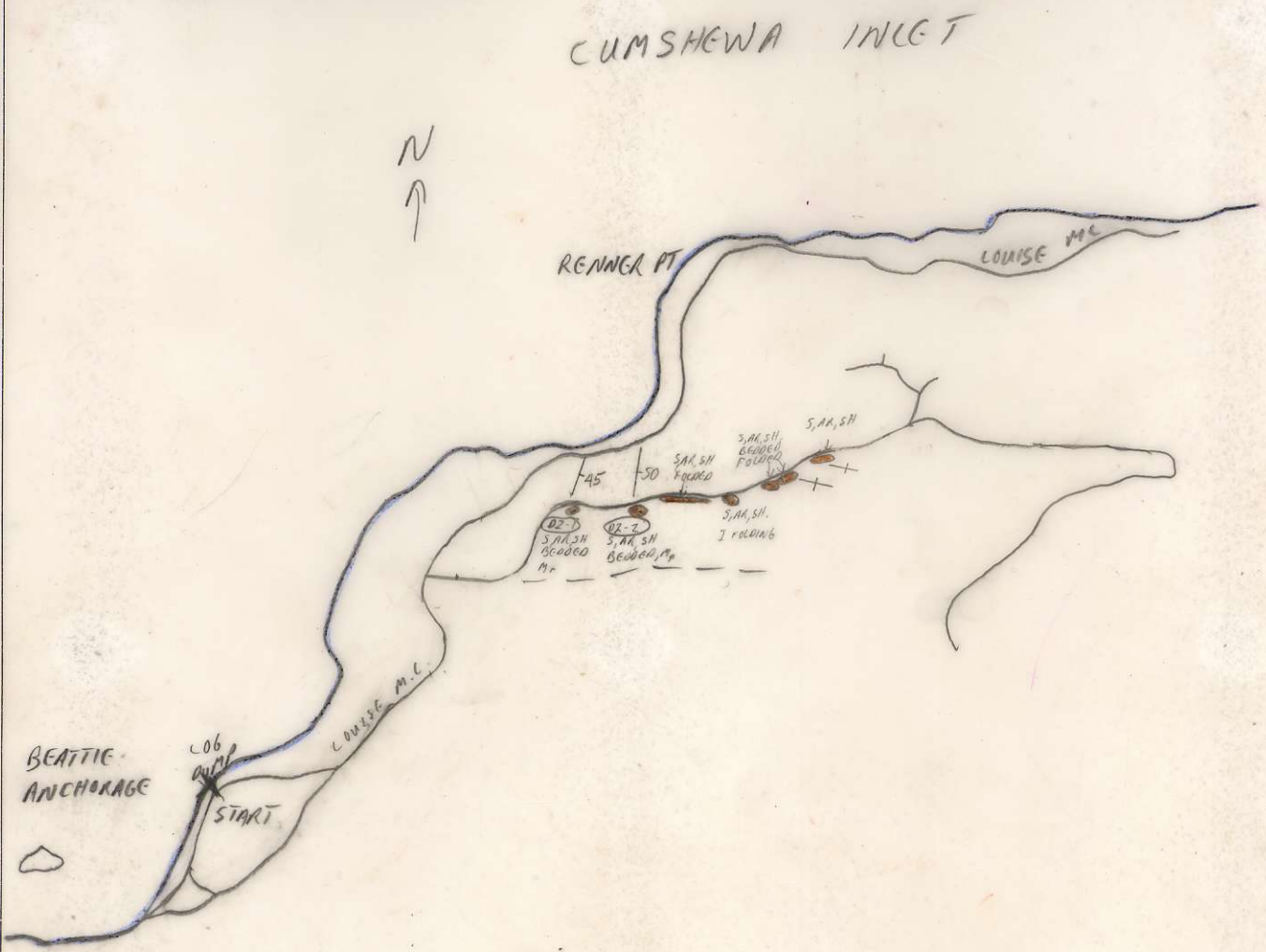
BCLL6662-0-C5M  
ATTITUDES  
100/40 N

Project M 512	NTS 103B12	Scale 1:20,000	Page 1 of 1	Traverse
Sampler D. HODGE	Location, Target (words) LOUISE ISLAND FROM BEATTIE ANCH. EAST ON LOUISE M.C., RIGHT ON TO L100 photo no.		Sample Nos L-02-1+2	
Date Aug 2082			Cert. Nos	

- GOSAN, MINERALS
- INTRUSIVE
- LIMESTONE DOLOMITE
- SHALE
- CHERT
- WATER
- ROCK
- SOIL
- SILT
- CONGLOMERATE
- VOLCANIC
- SPECIMEN SITE
- SANDSTONE SILTSTONE

DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED - - - ASSUMED.....



GEOCHEM: Cu Mo Pb Zn U W ASSAY:





BCILL66620-01-01  
ATTITUDES  
100/00 N

Project	M512	NTS	103612	Scale	1:20,000	Page	1 of 1	Traverse	
Sampler	D. HOOGE	Location, Target (words)			START AT JUNCTION OF L200 + L210				
Date	AUG 22, 82	photo no.			EDING UP L 200 WITH S.G.				
				Sample Nos	1-02-10 TO 12				
				Cert. Nos					

- GOSSAN MINERALS
- INTRUSIVE
- LIMESTONE DOLOMITE
- SILT X SOIL
- ROCK
- SHALE
- CHERT
- WATER
- CONGLOMERATE
- VOLCANIC
- SANDSTONE SILTSTONE

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED - - - ASSUMED.....



ASSAY: Cu Mo Pb Zn







W 50 100/40 N  
 ATTITUDES  
 100/40 N

Project <b>M512</b>	NTS <b>103 B12</b>	Scale <b>1:20,000</b>	Page <b>1</b> of <b>1</b>	Traverse
Sampler <b>D. HODGE</b>	Location, Target (words) <b>TO END OF LOUISE M.C., ALONG L.700 + ALONG L750 WITH 6.T.</b>		Sample Nos <b>L-02-15 TO 17</b>	
Date <b>AUG 24, 82</b>	photo no.		Cert. Nos	

- GOSSAN, MINERALS
  - INTRUSIVE
  - SILT X
  - LIMESTONE DOLOMITE
  - ROCK
  - SHALE
  - PAN Δ
  - WATER O
  - CHERT
  - VOLCANIC
  - CONGLOMERATE
  - SANDSTONE SILTSTONE
- SPECIMEN SITE A.B...: DO NOT WRITE ON OTHER SIDE OR USE COLOURS
- DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED - - - ASSUMED.....









GOSSAN,  
MINERALS

INTRUSIVE

LIMESTONE  
DOLOMITE

SHALE



CHERT



VOLCANIC



CONGLOMERATE

SANDSTONE  
SILTSTONE

SILT X SOIL • ROCK ■ PAN Δ WATER O

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

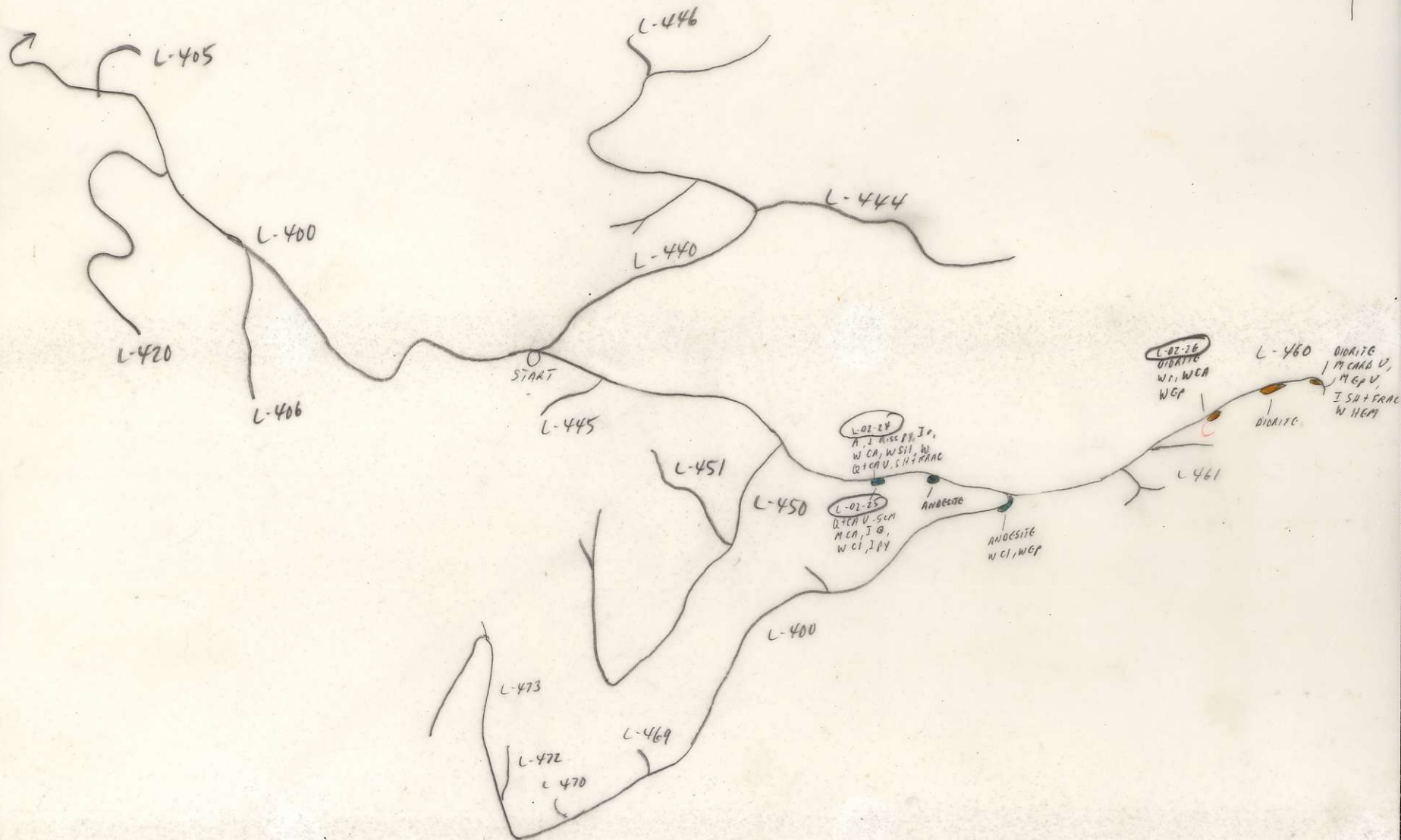
BC11066270-CM

ATTITUDES

(100/40 N)

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED --- ASSUMED.....

CHEVRON MINERALS — DAILY TRAVERSE REPORT

Project M-512  
Sampler O-H006C  
Date AUG 27, 82NTS 103812  
Location, Target (words)  
L-400 To end of L-400  
photo no. L-400  
Scale 1:20,000Page 1 of 1  
Sample Nos L-02-24 70 26  
Cert. Nos

GEOCHEM: Cu Mo Pb Zn U W

ASSAY: