

3

SELKIRK  
KOKANEE

Bjerknes  
9820K 9821K HLEN  
ELKHORN ELKHORN  
1C 2C  
9822K 9823K  
ELKHORN ELKHORN  
3 4

17881  
EMERSON  
1C

TOUGH  
SUM-  
RISE

Fletcher  
Fletcher  
Lake

	E	7622	7624	
E	7620	FIALA 12	FIALA 12	
E	7618	FIALA 10	E	7623
FIALA 4	E	7617	FIALA 9	FIALA 10
E	7615	FIALA 7		
7613	FIALA 5			
FIALA 10				

Leet Cr.

2

10682 G  
TOMMY  
2  
10687 G  
TOMMY  
1C

9667K	9668K	9669A	9670K
BRIAN 15	BRIAN 16	BRIAN 17	BRIAN 18
16137G	14613E	1615E	9671A
GHY 2	COIN 1	COIN 3	BRIAN 19
10356G	14616E	12616E	1616A
GHY 2	COIN 2	COIN 4	MARGE 3
1657A	1658A	1659A	1660A
BRIAN 5	BRIAN 6	BRIAN 7	BRIAN 8
1661A	1662A	1663A	1664A
MARGE 4	MARGE 5	MARGE 6	MARGE 7

Woodbury  
Woodbury  
Cr.

17874	17875	17876	17877
BOB RAY	BOB RAY	BOB RAY	BOB RAY
17878	17879	17880	17881
BOB RAY	BOB RAY	BOB RAY	BOB RAY

9559A	9559B	9559C
BELL 67	BELL 67	BELL 67
9559D	9559E	9559F
BELL 67	BELL 67	BELL 67

MOONSTONE  
395 (6)

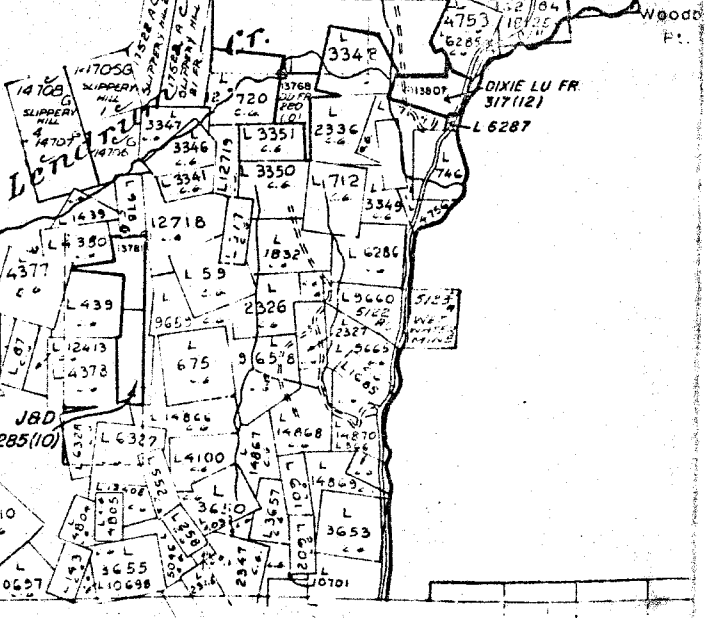
DOROTHY 3  
285(11)  
288(11)  
DOROTHY  
287(11)

VERNA  
29 (5)

DIXIE LU FR  
317(12)  
L 6287

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. **6582**  
MAP NO. \_\_\_\_\_

17009	17011	17013	17015	17017	18035K
H U	H U	H U	H U	H U	NOR 2
NEL 11	NEL 13	NEL 15	NEL 17	NEL 19	4377
17008	17010	17012	17014	17016	18034K
H U	H U	H U	H U	H U	NOR 1
NEL 10	NEL 12	NEL 14	NEL 16	NEL 18	9661
17006	17004	17002	17000	15833	15834
H U	H U	H U	H U	H U	H U
NEL 9	NEL 7	NEL 5	NEL 3	NEL 1	9661
17007	17005	17003	17001	15835	15836
H U	H U	H U	H U	H U	H U
NEL 8	NEL 6	NEL 4	NEL 2	NEL 0	NEL 0



49°45'

117°00'

82F/15W

TO SOUTH

# Kootenay Exploration Drilling Contracting Co. Ltd.

Rossland, B. C.

Aug. 2 1977.

Casadia Resources Ltd.  
124-744 W. Hastings St.  
Vancouver, B.C.

DR

### Invoice

To Diamond Drilling On verna Claims.

MINERAL RESOURCES BRANCH ASSESSMENT REPORT NO. <b>6582</b> MAP NO. _____
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DDH #5, 175'

" 6, 300'

Total footage: ----- 475' @ \$11.00/ft. ----- \$5225.00

DDH #C2, extend from 206' to 2963, 90'

C3, ----- 146'

C4, ----- 226'

462'

Total footage----- 462 ft. @ \$12.00/ft. ----- \$5544.00

To diamond drilling Woodbury Creek Claims.

DDH #C1, 225'

" C2, 206'

Total footage ----- 431 ft. @ \$12.00/ft. ----- \$5,172.00

151941

Progress Report on Verna Claim

GEOLOGY & MINERALIZATION

The Verna claim area is underlain by paragneiss of the Lardeau Series which regionally trends north-south with moderate dips to the west. Within the claim area, the Lardeau Series consists of grey, limy schists to grey-brown, limy mica schists. Minor quartzite has been noted in the drill core. No good marker horizons have been identified.

Locally the foliation at the paragneisses varies from flat-lying to  $0^{\circ}$  with a  $30^{\circ}$  west dip.

Steep dipping east-west fault zones and associated fracture zones are occupied by quartz, calcite or quartz-calcite veins. Galena and sphalerite, containing silver values, occur with pyrrhotite as coarse seams or blebs along the margins of the veins or as coarse stringers within the veins. Disseminated galena and sphalerite typically occur along the foliation between the coarse stringers.

A number of such zones occur within the claim or on claims immediately adjacent to the Verna where they are exposed by adits, road cuts or recently drilled and blasted.

The most recently exposed mineralization occurs in an approximately east-west shear zone on both banks of Woodbury Creek in the central claim area. On the west bank of the creek the mineralized

zone is exposed on a steep bluff which has intermittent slide activity [and inaccessible]. On the east bank mineralization is exposed in four drilled and blasted trenches or pits. Mineralization in the lower trenches returned significant values in lead, zinc and silver [see previous reports]. Sphalerite, in this region usually contains minor cadmium values but no assays have been taken at this time.

The extent of the newly exposed mineralization at this location was the object of the current drill programme and is described in the following section.

Little technical or physical work has been done on the known mineral occurrences on the west side of Woodbury Creek.

#### DIAMOND DRILLING

During the period May to July 31, 1976, six diamond drill holes were completed aggregating 1,458 feet. The drilling programme was carried out by Kootenay Exploration Drilling Ltd., of Rossland, B.C., recovering BQ core. The object of the drilling was to test the mineralization exposed in pits on the east side of Woodbury Creek and its extensions to the east.

The drill data is summarized in the two tables below and shown on plan in Figure 2.

Woodbury  
Creek

Pits

No. 5 (-45°)

N 40° W

Pb

No. 1 (-45°)  
No. 2 (-60°)

Main Road

No. 3 (-40°)

No. 4 (-45°)

No. 6 (-45°)

Draw



W. MEYER & ASSOCIATES LTD.	
CASCADIC RESOURCES LTD. WOODBURY CREEK DRILL LOCATIONS	
SCALE IN FEET 0 25 50 100	
DRAWN : Altair	DATE : AUGUST -1977

<u>Drill Hole</u>	<u>Location</u>	<u>Bearing</u>	<u>Dip</u>	<u>Footage</u>
CR-1	Main road	340 <sup>o</sup>	-45 <sup>o</sup>	225'
CR-2	Main road	340 <sup>o</sup>	-60 <sup>o</sup>	296'
CR-3	Main road	355 <sup>o</sup>	-40 <sup>o</sup>	145'
CR-4	Main road	30 <sup>o</sup>	-45 <sup>o</sup>	316' ?
CR-5	150' west of #1	330 <sup>o</sup>	-45 <sup>o</sup>	175'
CR-6	220' east of #1	340 <sup>o</sup>	-45 <sup>o</sup>	301'
Total footage				<u>1,458'</u>

The significant intersections are shown below:

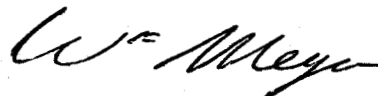
<u>Drill Hole</u>	<u>From</u>	<u>To</u>	<u>Length</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Combined Pb, Zn</u>	<u>Oz Ag/ton</u>
CR-1	80	85	5'	2.83	2.05	4.88	0.63
	85	90	5'	1.62	1.27	2.89	0.24
	130	135	5'	3.87	5.35	9.22	0.61
CR-2	125	126	1'	0.54	6.96	7.50	0.06
CR-3	119.5 - 120.5		1'	4.32	0.57	4.89	0.98
	124.5 - 126		1.5'	6.00	1.64	7.64	1.40
CR-4	99	101	2'	0.16	4.64	4.80	0.05
CR-5	123	125.75	2.75'	1.98	3.22	5.20	
CR-6	242 - 245.5		3.5'	0.91	5.24	6.15	0.18

Mineralization consists of stringers and disseminations of coarse galena, sphalerite, pyrite, pyrrhotite and trace amounts of chalcopyrite. The mineralization is associated with quartz-calcite veins that occupy steep dipping cross-fractures in nearly flat-lying limestone and limy mica schists. Disseminated mineralization occurs along the foliation in the limy schists adjacent to the veins.

The main zone of mineralization appears to strike approximately east-west with a near vertical dip. There is some uncertainty as to the attitude of the mineralization encountered in DDH-CR-1 where mineralization occurs parallel to the core axis.

Drill logs are attached in Appendix 2.

Respectfully submitted,



W. Meyer, P. Eng.