

3163

GEOCHEMICAL SURVEY REPORT
ON THE MOLY GROUP, REVELSTOKE
MINING DIVISION, B.C.

MOLY 1 - 18

824/15 W

Situated 1 mile NW of
Malakwa, B.C.

50° 58' north latitude
118° 48' west longitude

Submitted by: R.H.D. Philp, P. Eng.,

Owner: Darve Resources Ltd.

Work conducted by
Agilis Exploration Services Ltd.
during July 10 - July 19, 1971.



GEOCHEMICAL SURVEY REPORT

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3163 MAP

ON THE

MOLY GROUP, MALAKWA, B. C.

FOR

DARVA RESOURCES LTD.

by

R.H.D. Philp, P. Eng.,

August 13, 1971

Vancouver, B.C.

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Frequency Distribution Plot - Molybdenum

MAPS

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| <i>y</i> Geochemical Survey..... | " 1" = 400' |

GEOCHEMICAL SURVEY REPORT
ON THE
MOLY GROUP, MALAKWA, B.C.
FOR DARVA RESOURCES LTD.

INTRODUCTION:

The Moly Group, located approximately 1 mile northwest of Malakwa, British Columbia consists of 18 contiguous mineral claims.

These are restakings of earlier claims on which molybdenum mineralization had been explored by a short adit, trenching, and limited geochemical sampling.

During July, 1971 a program of gridding and geochemical soil sampling was conducted over approximately 8 claims. This work was conducted by personnel of Agilis Exploration Services Ltd under the direction of the writer.

GENERAL:

The property lies 1 mile northwest of the settlement of Malakwa, 26 miles west of Revelstoke, British Columbia. Co-ordinates of the group are $50^{\circ}58'$ north latitude, $118^{\circ}48'$ west longitude.

Access is by 4-wheel drive logging roads branching from a secondary road north of Malakwa.

Topographic relief is moderate to steep, elevations varying between approximately 2000 and 4000 feet above sea-level. The area is heavily wooded, although logging operations have been carried out over portions of the group.

PROPERTY:

The property consists of the Moly #'s 1-18 mineral claims, record numbers 10108-10125. The recent survey was conducted over all, or portions of, claims Moly 1-5, 9-12, 14.

GEOLOGY:

Geological Survey of Canada Map 1059A, published at a scale of 1 inch = 4 miles, outlines the regional geology for the area. This indicates that the general region is largely underlain by metamorphosed and folded rocks belonging to the Monashee Group within the Shuswap Terrane. These are mainly gneisses and schists with minor slate, limestone and quartzite.

An area previously investigated by the writer around an old adit in the vicinity of Moly #'s 3 & 5 is underlain mainly by gneissic quartz-diorite and quartz-mica schist with a pinkish colored granodiorite mass trending northerly in the immediate vicinity of the adit.

Molybdenum mineralization occurs scattered throughout the pink granodiorite in the vicinity of the adit and as a few specks in the adjacent quartz-diorite to the east. In the adit and immediately across the creek to the north, MoS_2 is mainly associated with $N15^{\circ}W/35^{\circ}W$ and $N45^{\circ}E/50^{\circ}NW$ shearing directions.

GEOCHEMICAL SURVEY

Field Procedures:

A north - south base-line was established and east-west cross-lines run at 400 foot intervals, with stations marked every 200 feet. All lines were established by chain and compass and marked by colored flagging.

Soil samples were collected at each station by means of an auger. Depth varied but was generally less than one foot and averaged 6 inches. Notes regarding soil type, depth taken, vegetation and topography were made at each sample location to be used later in interpreting the results.

A total of $7\frac{1}{2}$ line miles of grid were established and sampled in this manner.

Geochemical Testing:

Samples were packaged in Kraft envelopes and sent to T.S.L. Laboratories in Vancouver for testing. There they were dried and screened then tested for total molybdenum content using a perchloric acid extractive medium and analysis by atomic absorption.

Results:

A frequency distribution plot indicates that background values vary up to slightly less than 2 parts per million (ppm) molybdenum, with a mixed zone between this and 6 ppm, and anomalous values above 6 ppm.

Several anomalous areas were found but most consist of only 1 or 2 values and are probably of little significance.

The strongest and most significant anomalous areas occur near the eastern end of lines 4 + OOS and 8 and 12 + OOS. The latter area occurs across 2 lines, has a peak value of 35 ppm MoS₂, and is open to the east and south. The former area likely corresponds at least in part to a region in which MoS₂ bearing float has been reported.

No anomalous values were found in the vicinity of the old adit and surrounding mineralized granodiorite.

CONCLUSIONS AND RECOMMENDATIONS:

The Moly Property lies in an area of metamorphic and granitic rocks, the former consisting of various gneisses and schists and the latter of quartz diorite and granodiorite.

Molybdenum mineralization has been noted, primarily in the granodiorite.

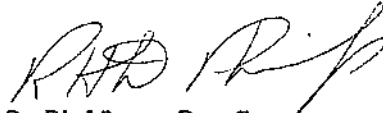
A geochemical survey has indicated two anomalous areas in the southeastern portion of the gridded area, the largest and strongest extending off the grid. No mineralization has been noted in this area to account for the anomalous values.

No anomalous conditions were noted in the area of mineralization around the old adit, although this area was not

completely covered.

The geochemical survey should be expanded to cover the remainder of the property in conjunction with geological mapping.

Respectfully submitted,



R.H.D. Philp, P. Eng.,

Agilis Exploration Services Ltd.,

August 13, 1971

Vancouver, B.C.

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of the Geochemical Survey
on the Moly Group

I, R. MacBean

c/o Agilis Exploration Services Ltd.
107-325 Howe Street,
of Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that the following personnel were employed and costs incurred in conducting the survey:

Personnel:

| | | | |
|------------|--|---------------|------------|
| R. Philp | - supervision, report 4 days @ \$125.00 | 500.00 | |
| R. MacBean | - party chief, plotting 11 days @ \$60.00 | 660.00 | |
| R. Turner | - helper 10 days @ \$40.00 | <u>400.00</u> | |
| | | | \$1,560.00 |

Disbursements:

| | | |
|--|--------------|-------------------|
| Camp charges -20 man days @ \$8.50/day | \$170.00 | |
| Miscellaneous supplies | 55.11 | |
| Geochemical testing | 249.75 | |
| Truck rental 10 days @ \$20.00/day | 200.00 | |
| Draughting and prints | <u>75.50</u> | |
| | | 750.36 |
| + 10% service charge | | <u>75.04</u> |
| | | |
| | Total | <u>\$2,385.40</u> |

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *16*
day of *August* *1971*, A.D.

R. MacBean

Bill Suran
Commissioner for taking Affidavits within British Columbia or
Notary Public in and for the Province of British Columbia.
Sub-mining Recorder

In the Matter of

.....

.....

.....

.....

Statutory Declaration
(CANADA EVIDENCE ACT)

99.99 99.9 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

DAEVA RESOURCES LTD

Molybdenum - Mainw...

Molybdenum - Frequency Distribution

Range Molybdenum ppm

Handwritten signature

6.25

1.65

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

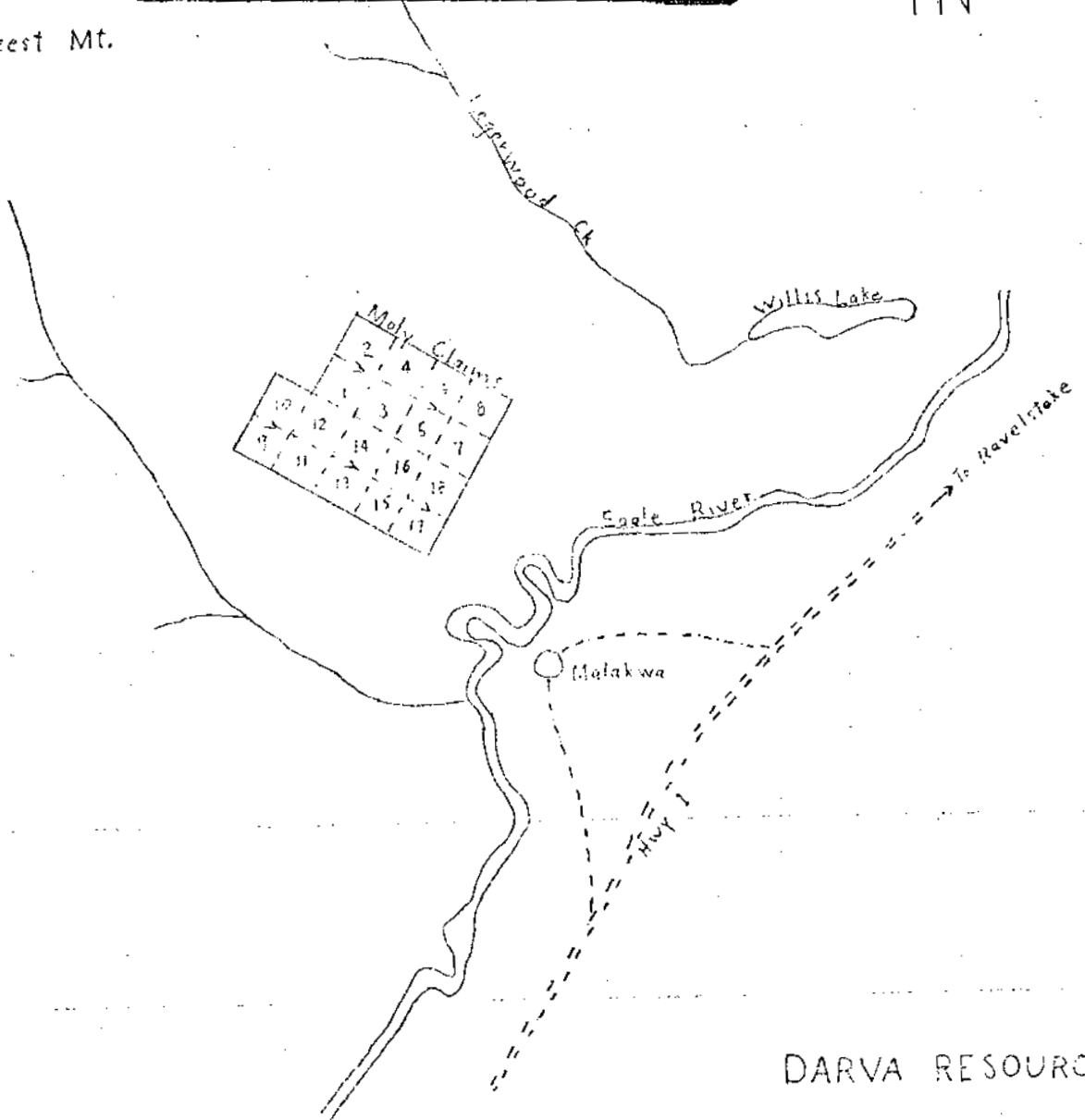
Cumulative % Frequency



Department of
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ASSESSMENT REPORT
NO. 3163 MAP #1



Quest Mt.



DARVA RESOURCES LTD.
Moly Claim Group
Malakwa B.C.
Scale: 1" = 6000'



L 16+00 N
 L 12+00 N
 L 8+00 N
 L 4+00 N
 L 0+00 N
 L 4+00 S
 L 8+00 S
 L 12+00 S

44+00 W
 40+00 W
 36+00 W
 32+00 W
 28+00 W
 24+00 W
 20+00 W
 16+00 W
 12+00 W
 8+00 W
 4+00 W
 BASELINE
 4+00 E
 8+00 E
 12+00 E

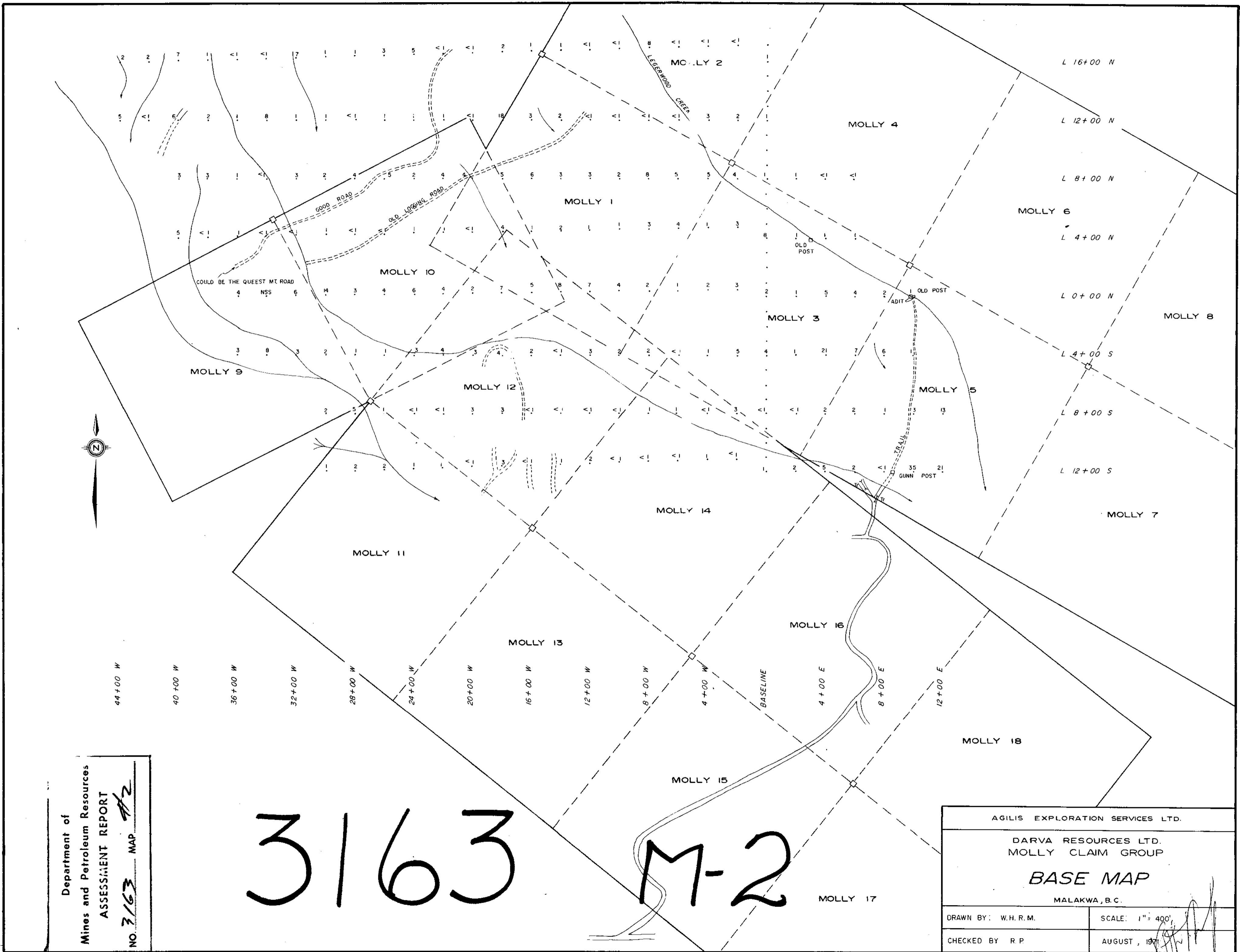
LEGEND
 • Molybdenum Value (ppm)
 — Molybdenum Contour - interval 2 ppm

MINES AND PETROLEUM RESOURCES
ASSESSMENT REPORT
 NO. 3163 MAP #3

AGILIS EXPLORATION SERVICES LTD
 DARVA RESOURCES LTD.
 MOLLY CLAIM GROUP
GEOCHEMICAL SURVEY
 MOLYBDENUM IN PPM.
 MALAKWA, B.C.

| | |
|--------------------|------------------|
| DRAWN BY: W.H.R.M. | SCALE: 1" = 400' |
| CHECKED BY: R.P. | AUGUST, 97 |

BC



3163

M-2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3163 MAP #2

| | |
|---|------------------|
| AGILIS EXPLORATION SERVICES LTD. | |
| DARVA RESOURCES LTD. MOLLY CLAIM GROUP | |
| BASE MAP | |
| MALAKWA, B.C. | |
| DRAWN BY: W.H.R.M. | SCALE: 1" = 400' |
| CHECKED BY: R.P. | AUGUST, 1971 |