

4610

GEOCHEMICAL REPORT

MR. GROUPS OF MINERAL CLAIMS

CHELASLIE ARM

OMINECA MINING DIVISION

(Latitude $53^{\circ}27'30''$, Longitude $125^{\circ}30'00''$)

Field work undertaken in July and August 1973

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

P. Buckley

NO.

4610

MAP

September 28, 1973

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INTRODUCTION

Reconnaissance geochemical survey of the MR. Groups of Mineral Claims on Chelaslie Arm was conducted on July 14, 1973. This was followed by a detailed soil geochemical survey on August 22, 1973. The work was undertaken as partial examination and evaluation of mineral occurrences on the north shore of Chelaslie Arm.

Chelaslie Arm is approximately 58 miles south-southeast from Burns Lake, B.C. and is accessible by float plane or boat from Ootsa Lake.

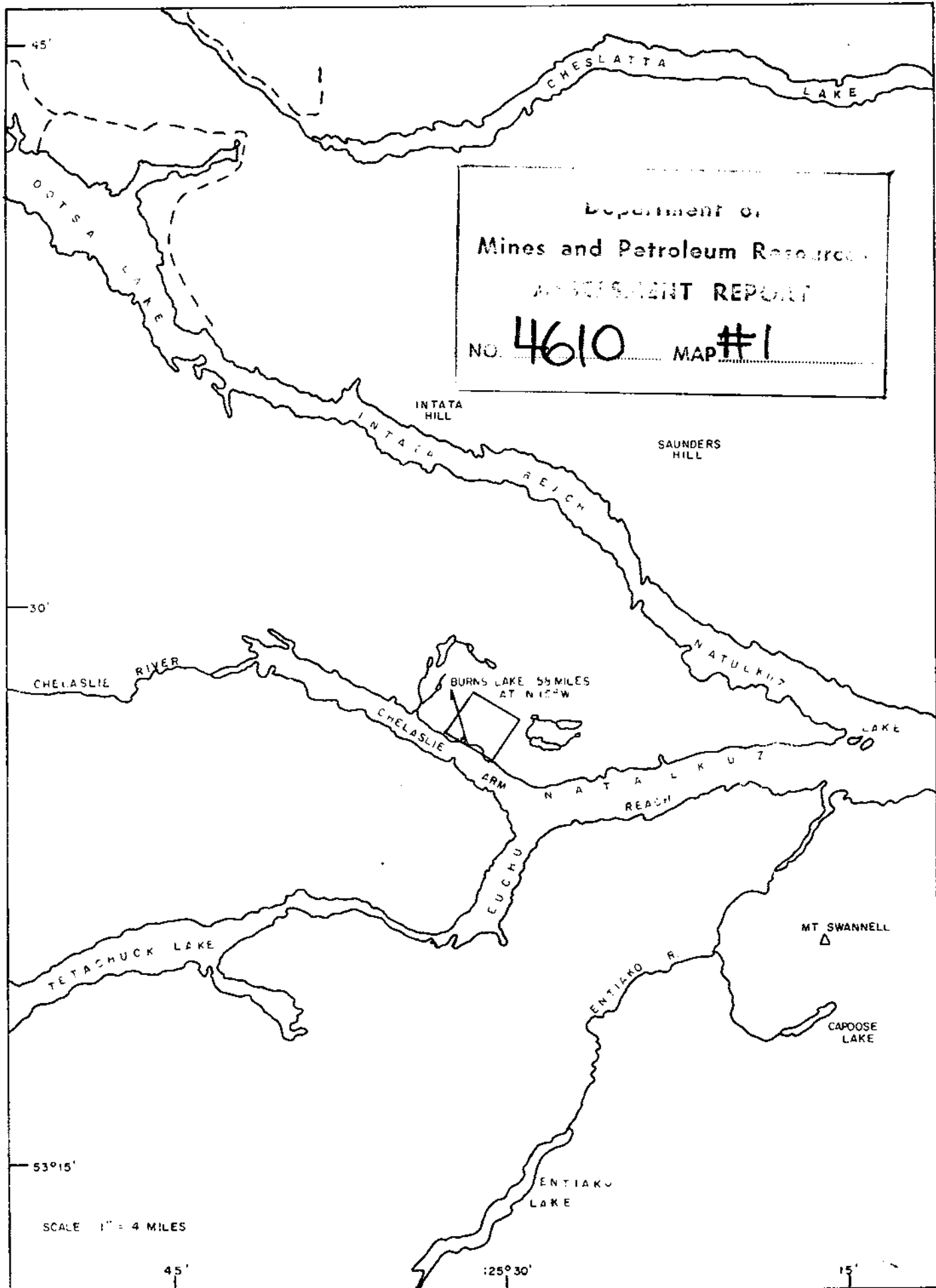
SUMMARY

One hundred and ninety-six soil geochemical samples were assayed for lead, zinc, silver, molybdenum and copper. Two weak lead-zinc anomalies and a weak molybdenum anomaly were found.

MINERAL CLAIM GROUPS

MR. Groups of Mineral Claims are located on the north side of Chelaslie Arm in the Omineca Mining Division. (Latitude $53^{\circ} 27' 30''$, Longitude $125^{\circ} 30' 00''$)

MR. Mineral Claims are registered under M. Lubbers, P.O. Box 93, Telkwa, B.C.



MINERAL CLAIM	RECORD NUMBER	RECORD DATE
MR 79-99 incl.	116816-116836 incl.	Sept. 12, 1972
MR 6-00 - 6-02 incl.	116837-116839 incl.	Sept. 12, 1972
MR 6-03 - 6-08 incl.	118484-118489 incl.	Nov. 10, 1972
MR 55 - 60 incl.	118490-118495 incl.	Nov. 10, 1972

An appended map (Appendix III) shows spatial location of mineral claims on 1" = 1/4 mile scale.

TOPOGRAPHY

The southern two-thirds of the mineral claims are on an open south-facing slope that has been deeply eroded near the lake shore. The northern one-third of the mineral claims is on a well-forested gently north-facing slope. Elevation ranges from 3,000 feet at Chelaslie Arm to 3,700 feet. The hillside is well drained with the occasional swampy depression.

SURVEY CONTROL

Aerial photographs on 1" = 1/4 mile scale were utilized for general ground control along pace and compass traverse lines. Traverses were conducted so as to obtain maximum information in the vicinity of showings.

GENERAL GEOLOGY

The area consists of andesites, basalts and chert pebble conglomerate of the Hazelton Group which have been intruded

by rhyolitic- and dacitic-dyke necks and stocks of the Ootsa Lake Group.

GEOCHEMICAL SURVEY

Introduction

A closely-spaced soil geochemical survey was conducted over the MR. Mineral Claims. Samples were collected at approximately 400-foot intervals along traverse lines bearing N 30° E and spaced approximately 1000 feet apart over the northern claims and 500 feet apart over the southern claims.

Soils were considered well-developed over most of the mineral claims. Soils were of glacial-fluvial origin with occasional deposits of colluvium and till. B-horizons were usually well-developed.

Vegetative cover is grassland except to the north where a jack pine and spruce forest has developed. Local pine groves occur along depressions in grassland areas.

Sampling

Soil samples were collected from small holes dug four to six inches below A-horizon. Whenever possible B-horizons were sampled. In poorly-developed soils C-horizons or composites of B- and C- horizons were sampled. Approximately 150 grams of material were scooped into heavy kraft paper envelopes.

Samples were dried under room temperature conditions prior to shipment to laboratory.

Assay Method

Samples were assayed for lead, zinc, silver, molybdenum and copper content at Placer Development Geochemistry Laboratory, Vancouver, B.C.

Processing and analytical method of soil geochemical samples at Placer Development Geochemistry Laboratory are as follows.

Samples are dried in a hot air-dryer, then sifted in minus 80-mesh nylon sieves. Portions of the minus 80-mesh fractions are weighed with a precision torsion balance. Samples are digested in a mixture of hot perchloric and nitric acid, then prepared for analysis by atomic absorption spectrophotometry. A Perkin-Elmer 403 instrument is used for analysis of molybdenum, copper, lead and zinc. Other portion of sample is digested in boiling nitric acid, then water and 20% T.O.T.P. dissolved in heptane are added. The solution is shaken and centrifuged prior to analyzing for silver by atomic absorption.

Results

The following interpretations are made for soil geochemical results over the MR. Groups of Mineral Claims.

1. No significant silver content is indicated.
2. A weak south southwesterly-trending molybdenum anomaly extends for 700' along south-facing slope northwest from showing. Some erratic high molybdenum values occur over western mineral claims.
3. No significant copper anomaly is indicated.
4. Two weak lead-zinc anomalies occur along divide. High points of these anomalies are centered over oxidized quartz-feldspar porphyry and rhyolitic rocks.

Results of geochemical survey over mineral claims are illustrated on appended maps.

STATEMENT OF EXPENDITURES

The following expenses were incurred by Canex Placer Limited, Endako Mines Division for conducting a soil geochemical survey over the MR. Groups of Mineral Claims:

PERSONNEL	PERIOD EMPLOYED	TIME & RATE	COST
B.W. Bosdet	Aug. 22, 1973	10 hr. @ \$3.70	\$37.00
P. Buckley	Aug. 22, 24, 1973		
	Sept. 7, 14, 21, 1973	26 hr. @ 4.15	107.90
J.B. Cyr	July 14, Aug. 22, 1973	18 hr. @ 5.90	106.20
E.T. Kimura	Aug. 22, 1973	10 hr. @ 9.80	98.00
R. Lau	July 14, Aug. 22, 1973	18 hr. @ 4.05	72.90
A.J. Peters	Aug. 22, 24, 27, 28, 29		
	Sept. 4, 7, 9, 16, 1973	36 hr. @ 4.70	169.20
C.C. Scott	Aug. 22, 1973	10 hr. @ 3.85	38.50
			<u>629.70</u>
Add 15% Office overhead			94.40
			<u>724.10</u>
Fixed-wing transportation Trans-Provincial Airlines			
July 14, 1973 Flight No. 29748			126.50
Fixed-wing transportation Trans-Provincial Airlines			
Aug. 22, 1973 Flight No. 31408			362.50
			<u>489.00</u>
			489.00
			1,213.10
Geochemical Assaying 196 samples @ \$3.50			686.00
Mo, Cu, Zn, Pb and Ag determinations			<u>686.00</u>
			1,899.10
Note: Cost of assaying samples falling outside the Mineral Claims not included			
TOTAL COST APPLICABLE AS ASSESSMENT WORK			<u><u>\$1,899.10</u></u>

CONCLUSION

Soil geochemical survey with closely-spaced sample pattern over the MR. Groups of Mineral Claims indicates two weak lead and coincident zinc anomalies and a small weak molybdenum anomaly.

Submitted by:



P. Buckley

Geologist

Canex Placer Limited

Endako Mines Division

APPENDIX II

Statement of Qualification

I, P. Buckley of Canex Placer Limited, Endako Mines Division, Endako, B.C. do hereby certify that:

1. I am a geological engineer.
2. I am a graduate of the University of British Columbia with a B.ASc. degree in Geological Engineering in 1973.
3. During the summer months as an undergraduate and from graduation until the present time I have been engaged in exploration geology in British Columbia.

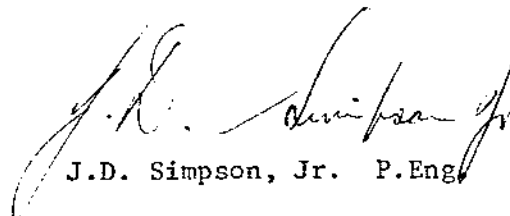

P. Buckley

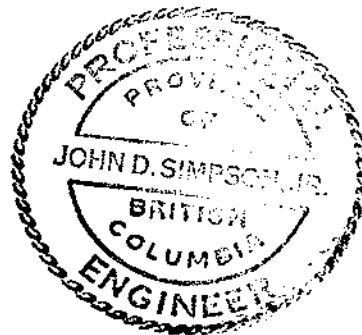
APPENDIX I

Certification

I, J.D. Simpson, Jr. of Canex Placer Limited, Endako Mines Division, Endako, B.C. do hereby certify that:

1. I am a registered Professional Engineer in the Province of British Columbia.
2. I have carefully reviewed the data and examined the report of P. Buckley on exploration work which was conducted during July and August 1973 on the MR. Group of Mineral Claims. The Mineral Claims belong to M. Lubbers, Telkwa, B.C. and are located in the Omineca Mining Division at Chelaslie Arm on Ootsa Lake. (Latitude $53^{\circ}27'30''$ Longitude $125^{\circ}30'$) The exploration work was conducted by Canex Placer Limited, Endako Mines Division personnel under the Supervision of J.B. Cyr, as part of examination and evaluation of M. Lubbers mineral claims.
3. To the best of my knowledge the interpretation of data, conclusion and expenditures which are claimed for the performance of work are valid.


J.D. Simpson, Jr. P.Eng



DOMINION OF CANADA:
 PROVINCE OF BRITISH COLUMBIA:

In the Matter of

To Wit:

I, P. Buckley

of Canex Placer Limited, Endako Mines Division

in the Province of British Columbia, do solemnly declare that the following expenditures have been incurred by Canex Placer Limited, Endako Mines Division in carrying out a soil geochemical survey for assessment work purposes on MR 79-99 inclusive, MR 6-00-6-02 inclusive, MR 6-03-6-08 inclusive and MR 55-60 inclusive Mineral Claims.

PERSONNEL	PERIOD EMPLOYED	TIME & RATE	COST
B. W. Bosdet	Aug. 22, 1973	10 hr. @ \$3.70	\$ 37.00
P. Buckley	Aug. 22, 24, 1973		
	Sept. 7, 14, 21, 1973	26 hr. @ \$4.15	107.90
J. B. Cyr	July 14, Aug. 22, 1973	18 hr. @ \$5.90	106.20
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	Sept. 4, 7, 9, 16, 1973	36 hr. @ \$4.70	169.20
C. C. Scott	Aug. 22, 1973	10 hr. @ \$3.85	38.50
			<u>\$629.70</u>
Add 15% Office Overhead			94.40
			<u>\$724.10</u>
Fixed-wing transportation Trans-Provincial Airlines			
July 14, 1973 Flight No. 29748			126.50
Fixed-wing transportation Trans-Provincial Airlines			
August 22, 1973 Flight No. 31408			362.50
			<u>489.00</u>
			489.00
			<u>\$1,213.10</u>
Geochemical Assaying 196 samples @ \$3.50			686.00
Mo, Cu, Zn, Pb and Ag determinations			686.00
Note: Cost of assaying samples falling outside the Mineral Claims not included			<u>\$1,899.10</u>
TOTAL COST APPLICABLE AS ASSESSMENT WORK			<u><u>\$1,899.10</u></u>

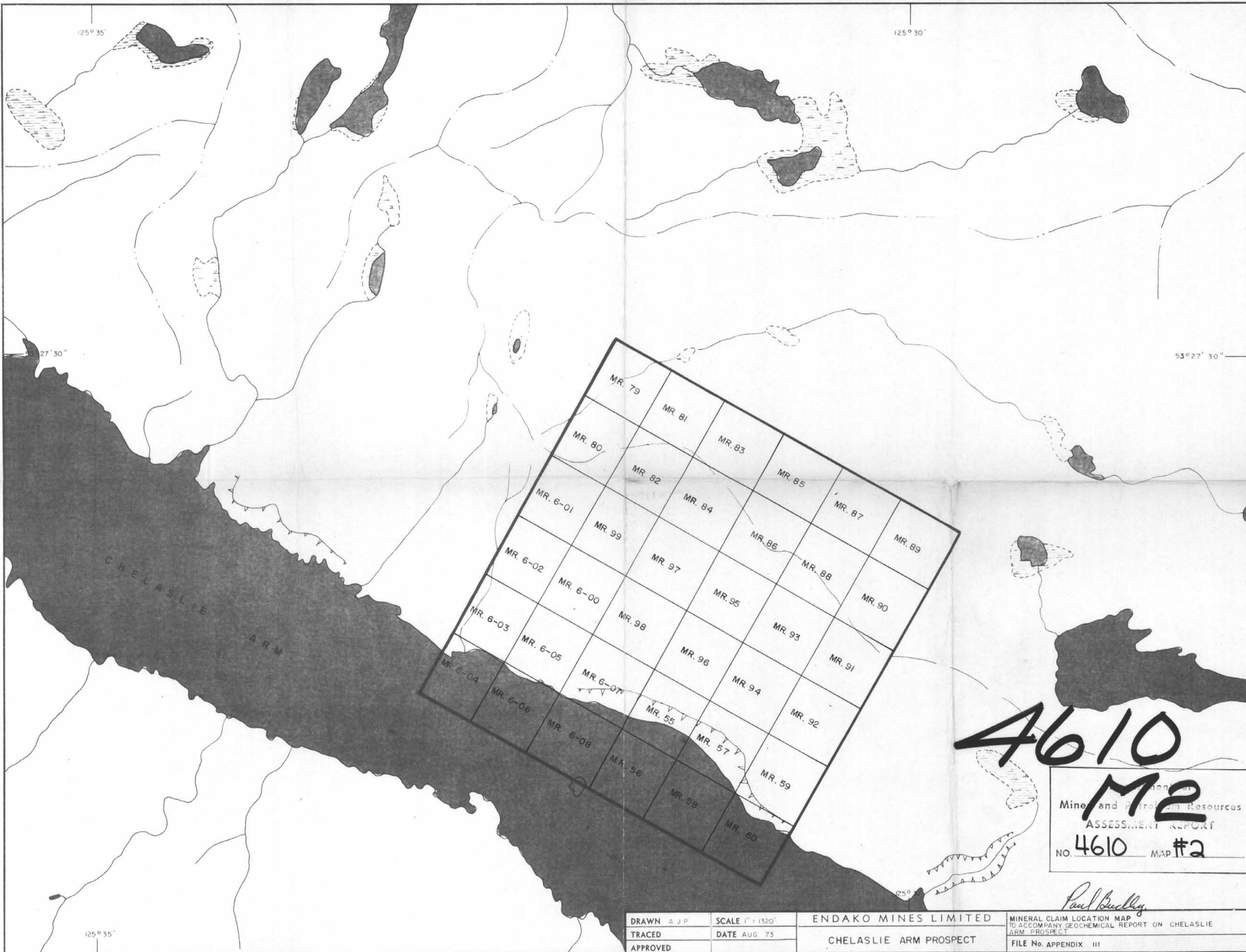
And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the Town
 of Smithers, in the
 Province of British Columbia, this 5th
 day of October, 1973, A.D.

Paul Buckley

Amatus

A Commissioner for taking Affidavits for British Columbia or
 A Notary Public in and for the Province of British Columbia.



MR. 79	MR. 81	MR. 83	MR. 85	MR. 87	MR. 89
MR. 80	MR. 82	MR. 84	MR. 86	MR. 88	MR. 90
MR. 6-01	MR. 99	MR. 97	MR. 95	MR. 93	MR. 91
MR. 6-02	MR. 6-00	MR. 98	MR. 96	MR. 94	MR. 92
MR. 6-03	MR. 6-05	MR. 6-07	MR. 55	MR. 57	MR. 59
MR. 6-04	MR. 6-06	MR. 6-08	MR. 56	MR. 58	MR. 60

4610
M2
 Mineral Resources
 ASSESSMENT REPORT
 NO. 4610 MAP #2

Paul Buckley

DRAWN A.J.P.	SCALE 1" = 1320'	ENDAKO MINES LIMITED	MINERAL CLAIM LOCATION MAP TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE ARM PROSPECT FILE No. APPENDIX III
TRACED	DATE AUG 73	CHELASLIE ARM PROSPECT	
APPROVED			



4610 M3

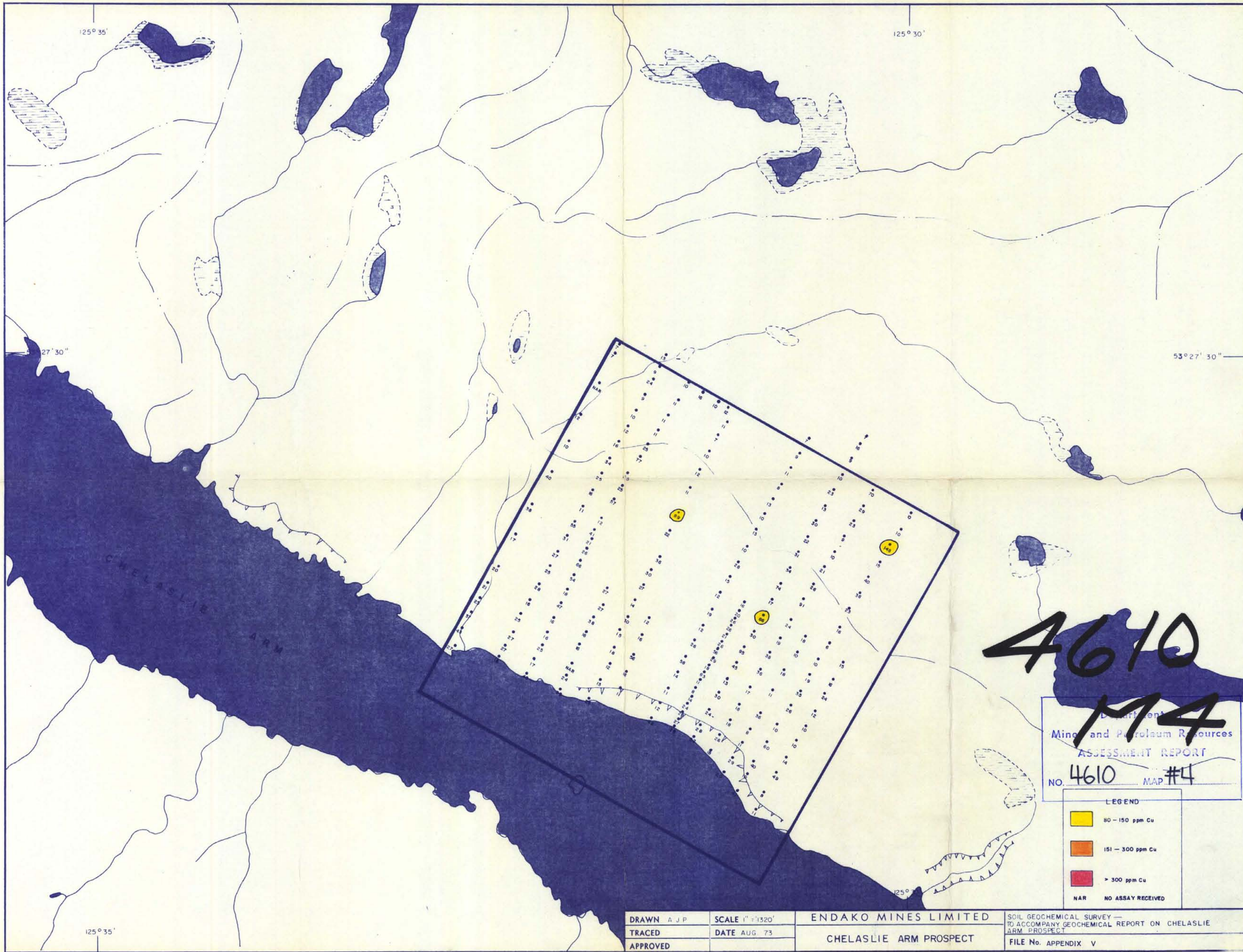
Mines and Petroleum Resources
ASSESSMENT
NO. 4610 MAP #3

LEGEND

	6 - 10 ppm Mo
	11 - 20 ppm Mo
	> 20 ppm Mo
NAR	NO ASSAY RECEIVED

DRAWN AJP	SCALE 1" = 1320'	ENDAKO MINES LIMITED	SOIL GEOCHEMICAL SURVEY — TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE ARM PROSPECT FILE No. APPENDIX IV
TRACED	DATE AUG 73	CHELASLIE ARM PROSPECT	
APPROVED			

Paul Beechey



4610
MA

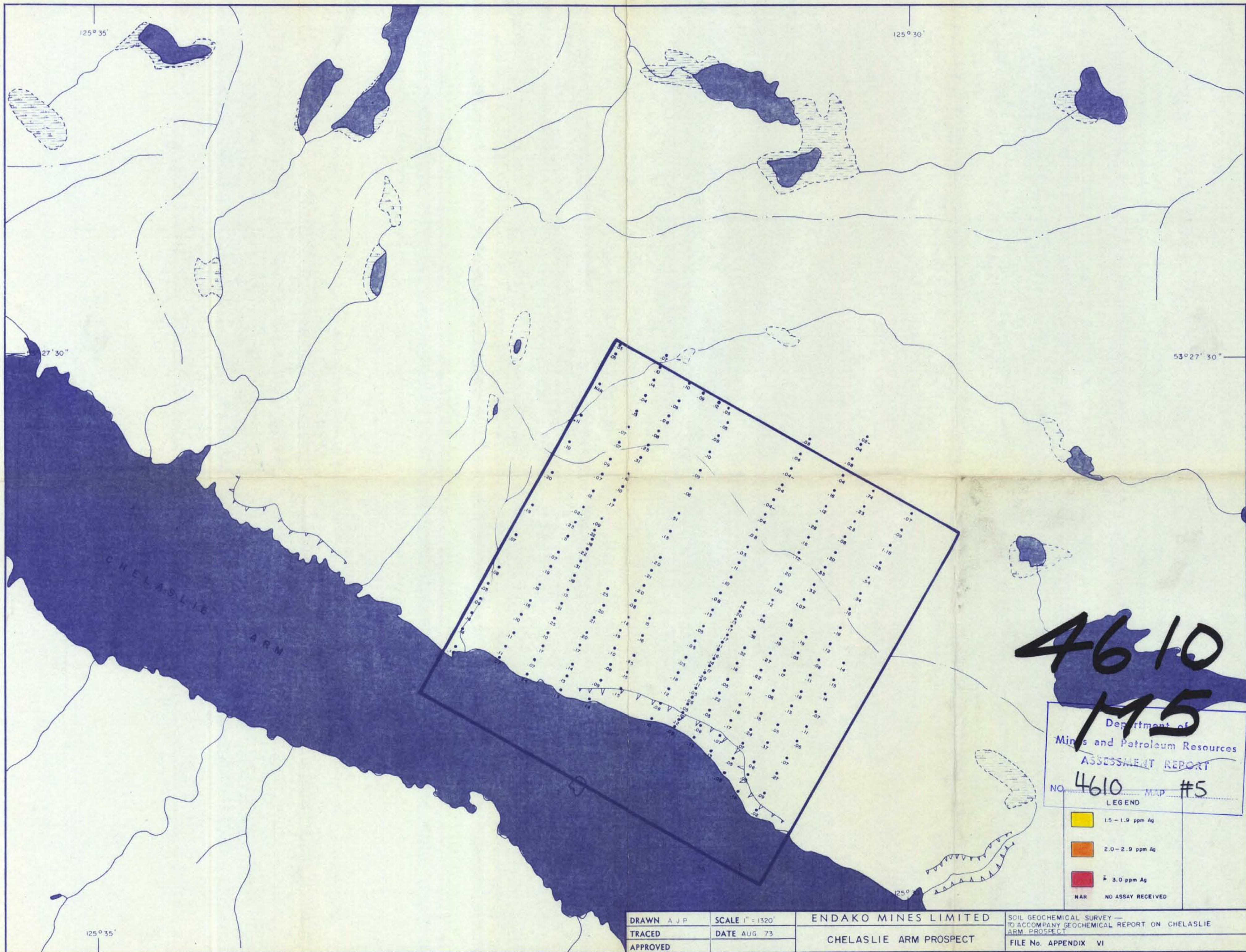
Department of
 Mining and Petroleum Resources
ASSESSMENT REPORT
 NO. **4610** MAP #**4**

LEGEND

	80 - 150 ppm Cu
	151 - 300 ppm Cu
	> 300 ppm Cu
NAR	NO ASSAY RECEIVED

DRAWN A.J.P.	SCALE 1" = 1320'	ENDAKO MINES LIMITED	SOIL GEOCHEMICAL SURVEY — TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE ARM PROSPECT FILE No. APPENDIX V
TRACED	DATE AUG 73	CHELASLIE ARM PROSPECT	
APPROVED			

Paul Buckley



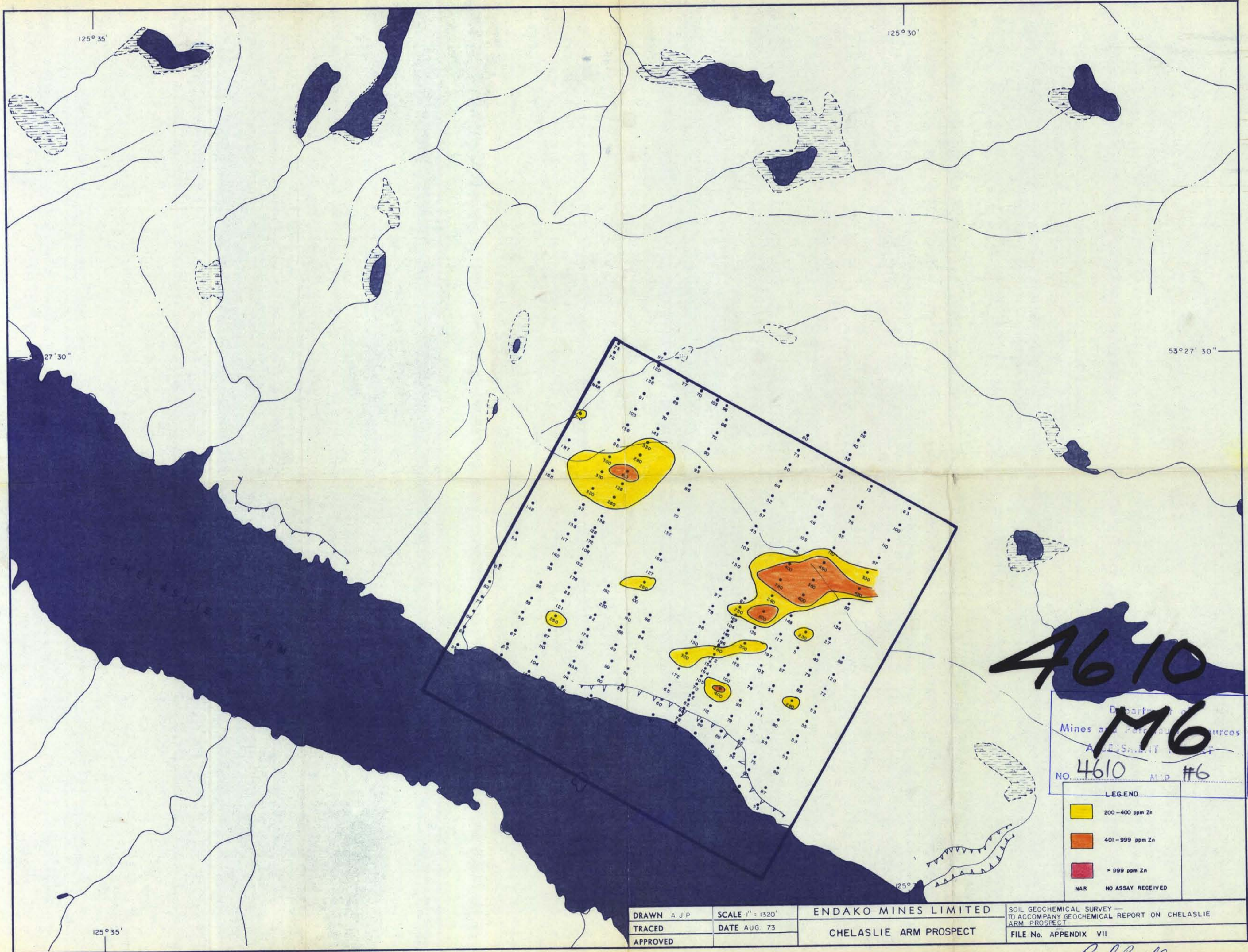
**4610
M5**

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **4610** MAP #5

- LEGEND
- 1.5 - 1.9 ppm Ag
 - 2.0 - 2.9 ppm Ag
 - ≥ 3.0 ppm Ag
 - NAR NO ASSAY RECEIVED

DRAWN A J P	SCALE 1" = 1320'	ENDAKO MINES LIMITED	SOIL GEOCHEMICAL SURVEY —
TRACED	DATE AUG 73	CHELASLIE ARM PROSPECT	TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE
APPROVED			ARM PROSPECT
			FILE No. APPENDIX VI

Paul Buckley



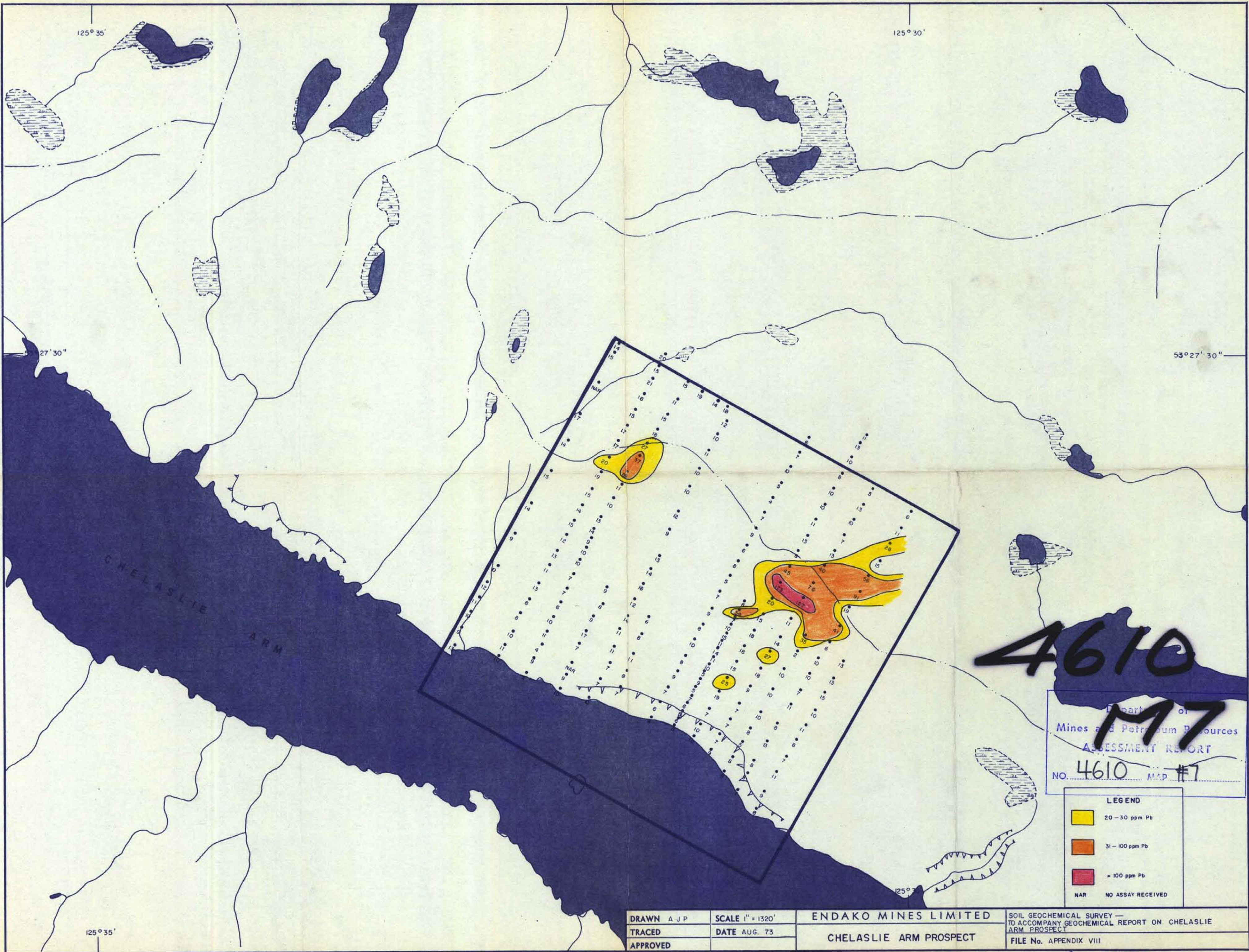
4610

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4610 M.P. #6

LEGEND	
	200-400 ppm Zn
	401-999 ppm Zn
	> 999 ppm Zn
NAR	NO ASSAY RECEIVED

DRAWN A.J.P.	SCALE 1" = 1320'	ENDAKO MINES LIMITED	SOIL GEOCHEMICAL SURVEY — TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE ARM PROSPECT FILE No. APPENDIX VII
TRACED	DATE AUG. 73	CHELASLIE ARM PROSPECT	
APPROVED			

Paul Beckley



4610
 M7
 Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 4610 MAP #7

LEGEND

	20 - 30 ppm Pb
	31 - 100 ppm Pb
	> 100 ppm Pb
NAR	NO ASSAY RECEIVED

DRAWN AJP	SCALE 1" = 1320'	ENDAKO MINES LIMITED	SOIL GEOCHEMICAL SURVEY —
TRACED	DATE AUG. 73	CHELASLIE ARM PROSPECT	TO ACCOMPANY GEOCHEMICAL REPORT ON CHELASLIE
APPROVED			ARM PROSPECT
			FILE No. APPENDIX VIII

Paul Buckley