

ASSESSMENT REPORT
ON THE
BULLION CREEK PROPERTY

Liard Mining Division

NTS: 104 I / 7 E

British Columbia

58° 24' north latitude
128° 36' west longitude

Owner: Queenstake Resources Ltd.
Operator: Eldorado Minerals & Petroleum Corp.
Work Period: August 3 - 16, 1985
Report by: V. Kuran - October 2, 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,946

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SUMMARY

- (1) The Bullion Creek property consists of the following contiguous claims: Dinah 1-16, Bow 1-4 and Andy 1-2.
- (2) The claims are located 80 km east of Dease Lake. Access is by fixed wing to Wolverine strip and then by helicopter to the claims.
- (3) The area is underlain by a belt of marine sediments of possible Devonian age. Stratabound lead, zinc and silver mineralization occurs within these marine sediments.
- (4) During the 1985 assessment work program, approximately 100 cubic meters of rock were moved in trenching geochemical anomalies outlined in the 1982 exploration program. The trenches were geologically mapped and chip sampled.
- (5) Rock chip sampling outlined two new showings of stratabound galena and sphalerite. Silver values are too low for these showings to be of economic interest.
- (6) Eldorado Minerals & Petroleum Corp. has terminated its option on the Bullion Creek property with Queenstake. The decision was based on the overall low silver content of the known stratabound galena-sphalerite showings on the property.

1.0 Introduction

During the period August 3 - 16, 1985 an exploration program was carried out by Eldorado Minerals & Petroleum Corp. on the Bullion Creek lead-zinc-silver prospect. The program consisted of blast trenching, geological mapping and rock chip sampling.

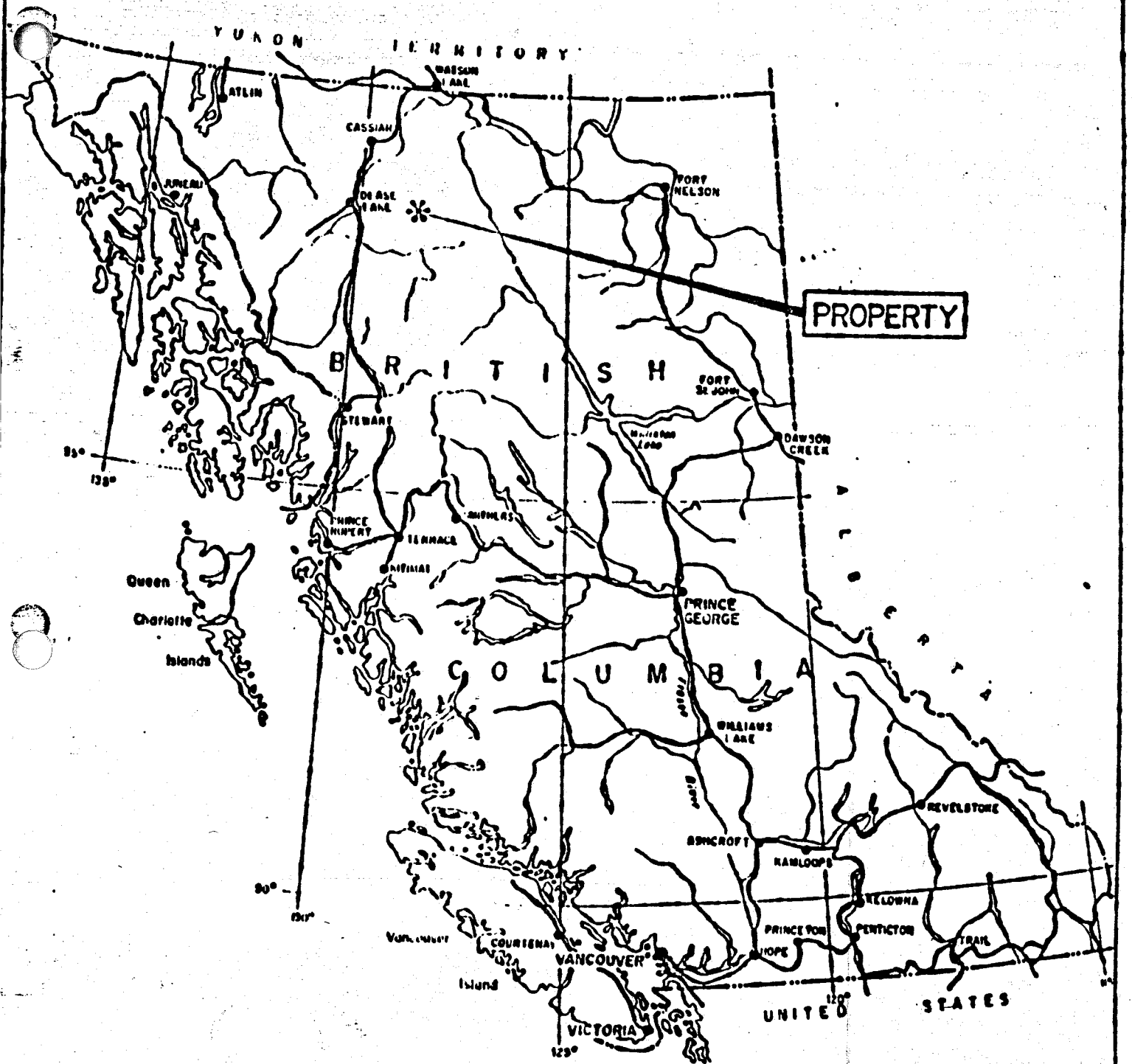
2.0 Location, Access and Topography

The Bullion Creek prospect is located approximately 80 km east of Dease Lake at latitude 58° 24' north and longitude 128° 36' west (Fig. 1). Access is by fixed wing from Dease Lake to Wolverine or Kutcho Creek airstrips and then by helicopter to the claims. Relief on the property ranges from 1400 to 2000 meters.

3.0 List of Claims

The Bullion Creek property consists of the following contiguous claims (Fig. 2 Claim Location Map).

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>
Dinah 1	1691	1
Dinah 2	1692	1
Dinah 3	1694	1
Dinah 4	1693	1
Andy 1	1747	1
Andy 2	1748	1
Dinah 5	1774	1
Dinah 6	1775	1
Dinah 7	1776	1
Dinah 8	1777	1
Dinah 9	1778	1
Dinah 10	1779	1
Dinah 11	1780	1
Dinah 12	1781	1
Dinah 13	1782	1
Dinah 14	1783	1
Dinah 15	1784	1
Dinah 16	1785	1
Bow 1	1787	20
Bow 2	1788	16
Bow 3	1789	20
Bow 4	1790	20



ELDORADO MINERALS & PETROLEUM CORP.

BOW & DINAH MINERAL CLAIMS
NTS 104-1-7E B.C.

PROPERTY LOCATION MAP

0 100 200 MILES
0 100 200 KILOMETRES

DRAWN

PROJECT
BULLION

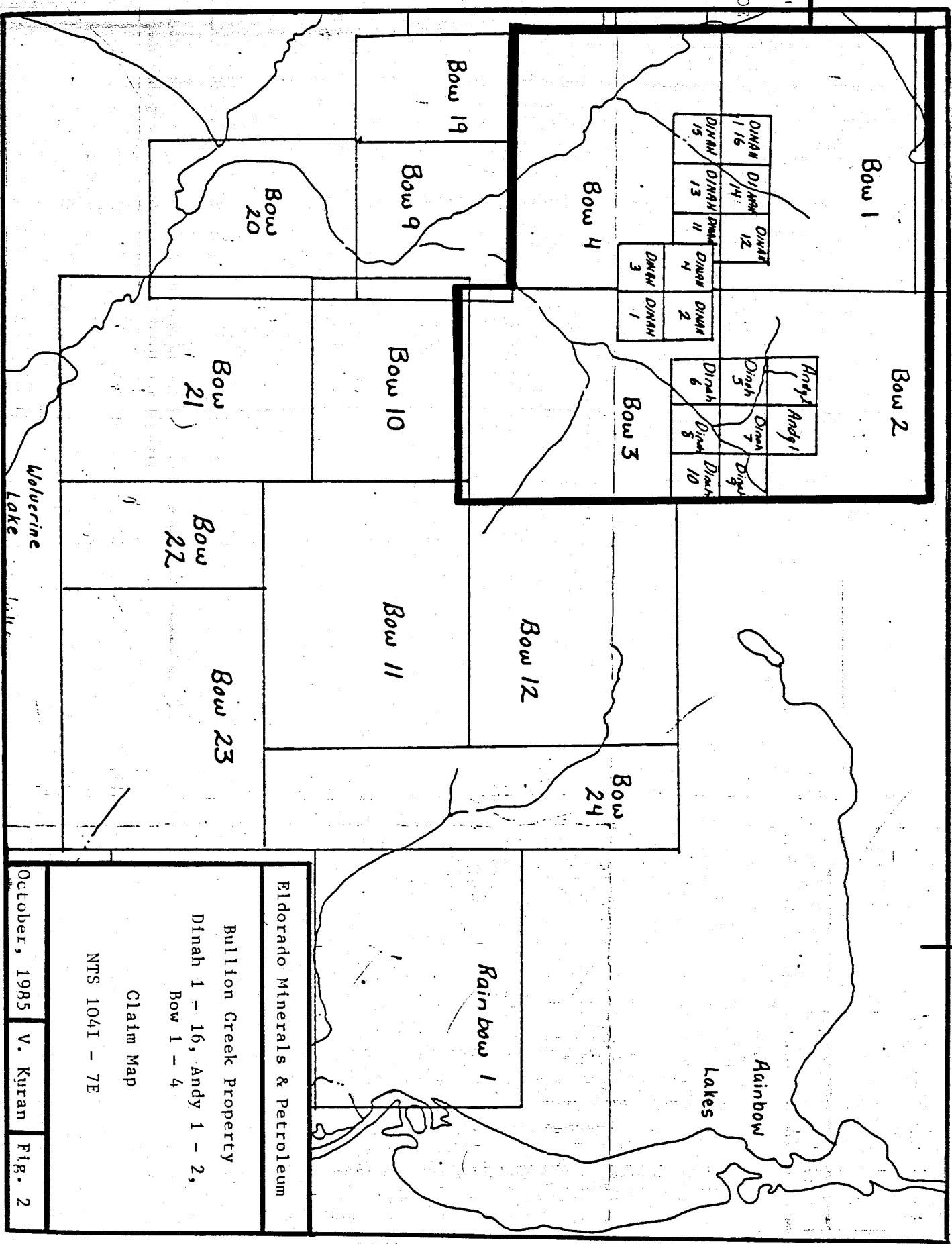
DATE

FIG.

3

58° 25' NORTH
LATITUDE

128° 30' WEST LONGITUDE



Eldorado Minerals & Petroleum
Bullion Creek Property
Dinah 1 - 16, Andy 1 - 2,
Bow 1 - 4
Claim Map
NTS 1041 - 7E
October, 1985 V. Kuran Fig. 2

4.0 History

Eldorado Minerals & Petroleum Corp. drilled 1378 meters on the Bullion Creek property in 1982 to test lead and zinc geochemical anomalies and mineralized showings. The 1985 program involved testing four areas of unexplained anomalies.

5.0 Regional Geology

The Bullion Creek property is underlain by a belt of Proterozoic schists and sediments, marine sediments of possible Devonian age, Triassic volcanics and schists of the Kutcho Formation, Upper Paleozoic Cache Creek Group volcanics and ultramafics which have been thrust over the Kutcho Formation.

6.0 Property Geology

A detailed description of the geology of the Bullion Creek property can be found in the 1982 Assessment Report on the Bullion Creek property by V. Kuran. The claims are underlain by a belt of marine sediments of possible Devonian age that host stratabound galena and sphalerite mineralization. Disseminated galena and sphalerite occur in limestone and laminated galena and sphalerite occur in silty to siliceous mudstones.

7.0 Trenching - Geology, Geochemistry and Assays

During the 1985 program previously outlined lead-zinc geochemical anomalies were prospected and four targets were chosen as trenching locations (see Appendix 4 - Location Map 1982 Drill Holes, Trenches, 1985 Trenches). A total of 100 cubic meters of rock and overburden were moved in a total of four trenches by using a plugger and explosives. The trenches were subsequently mapped and sampled where required. The geological mapping of the trenches is shown in Fig. 3 - Trench 85-11, Fig. 4 - Trench 85-12, Fig. 5 - Trench 85-13 and Fig. 6 - Trench 85-14.

7.1 Trench 85-11

Trench 85-11 is located near a soil anomaly of 2231 ppm lead, 387 ppm zinc and 1.1 ppm silver at grid coordinates 52+00W 14+50S. The highest lead value from the rock chip sampling in the trench was 876 ppm in sample #7901. Rock types varied from siliceous mudstones to graphitic shales.

7.2 Trench 85-12

Trench 85-12 was blasted in the vicinity of lead-zinc mineralization in a small limestone outcrop at grid coordinates 59+00W 13+00S. Limestone, quartz veining and mudstone were exposed. The best assay result was obtained from a recrystallized limestone unit which contained 0.26 % Pb, 2.07% zinc and 0.15 oz/ton silver over a total width of 0.8 meters.

7.3 Trench 85-13

This trench is located at a soil geochemical anomaly of 1370 ppm lead, 2600 ppm zinc, 3.4 ppm silver at grid coordinates 59+00W 15+00S, at an outcrop which assayed 1.69% Pb, .17% zinc and 0.33 oz/ton silver over 0.5 meters. The best assay result obtained from this trench was 6.59% Pb, .66% Zn and 1.19 oz/ton silver across 0.7m in sample 7910. The mineralization is hosted by silty mudstone.

7.4 Trench 85-14

Trench 85-14 is located 100 meters south of trench 85-11 in the vicinity of silicified mudstone outcrop with disseminated galena and sphalerite. A 0.9m section of laminated, siliceous, silty mudstone containing laminated galena and sphalerite was uncovered in the trench. Assay #9176 from this section of the trench ran 0.48% lead, 7.42% zinc, 0.16 oz/ton silver across 0.9 meters.

8.0 Discussion, Conclusions, Recommendations

8.1 Discussion and Conclusions

Trenching of the 1982 lead and zinc soil geochemical anomalies produced new showings of stratabound galena and sphalerite. Silver values from the chip sampling of the 1985 trenches were consistently low as in the 1982 drill results. The silver to lead ratio for the galena mineralization at the Bullion Creek property is very low.

8.2 Recommendations

It is recommended that Eldorado Minerals terminate its option on the Bullion Creek property with Queenstake Resources. This decision is based on the low silver content of the known stratabound galena-sphalerite showings on the property.

APPENDIX 1 REFERENCES

Kuran, V. M. Assessment Report on the Bullion Creek Property,
Liard Mining Division, NTS 104I-7E, B.C.
Vancouver, B. C. December 1982.

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, VIRGINIA M. KURAN, of 25630 Bosonworth Avenue, R.R. #1, Maple Ridge, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a graduate of the University of British Columbia with an Honors Bachelor of Science Degree in Geology.
2. My primary employment since graduating in 1980 has been in the field of mineral exploration, as a Field Geologist.
3. This report is based on work which I caused to be done between August 3, 1985 and August 16, 1985.

Dated at Vancouver, British Columbia this 10th day of October 1985.



VIRGINIA KURAN

APPENDIX 3

ACME ASSAYS AND GEOCHEMISTRY

BULLION CREEK PROPERTY

ACME ANALYTICAL LABORATORIES LTD.
352 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: AUG 19 1985

DATE REPORT MAILED: *Aug 23/85*

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR.
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.

- SAMPLE TYPE: ROCK CHIPS

ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

ELDORADO MINERAL PROJECT - BULLION CREEK FILE # 85-1943A PAGE 1

SAMPLE#	Pb %	Zn %	Ag OZ/T	
7908	.26	2.07	.15	TR 12
7909	.50	.91	.26	
7910	6.59	.66	1.19	TR 13
7911	.52	.17	.14	
7912	2.63	.07	.73	
7913	1.69	.17	.33	TR-14
7914	1.00	.03	.17	
7915	1.08	.01	.35	
7916	.48	7.42	.16	
7917	.16	.08	.03	
7918	.84	.57	.14	
STD R-1	1.37	2.38	2.99	

ME ANALYTICAL LABORATORIES LTD.
332 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 19 1985

DATE REPORT MAILED:

Aug 23 / 85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: ROCK CHIPS

ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

ELDORADO MINERAL PROJECT - BULLION CR. FILE # 85-1943 PAGE 1

SAMPLE#	Pb PPM	Zn PPM	Ag PPM
7901	876	127	.3
7902	405	87	.3
7903	841	105	1.0
7904	738	38	.8
7905	388	59	.2
7906	172	33	.1
7907	328	90	.4
STD C	40	137	6.9

TRENCH 11

APPENDIX 4a

COST STATEMENT

WORK PERIOD AUGUST 3 - 16, 1985

1.0 Wages

Dave Kuran, geologist	15 days @ \$130/day	\$ 1950.00	
Tom Huml	15 days @ \$ 85/day	<u>1275.00</u>	3225.00

2.0 Transportation

(a) Truck Rental		500.00	
(b) Vancouver - Dease Lake (2 persons)		1081.26	
(c) Mobilization & Demobilization		276.25	
Fly West - Fixed Wing Cessna 206			
(d) Mobilization - Demobilization		<u>1348.80</u>	
Yukon Airways 500D Helicopter			
2.4 hours and fuel			3206.31

3.0 Camp Costs

18 man days @ \$30/day	540.00	
Communications	200.00	
Expeditor	<u>325.50</u>	1065.50

4.0 Equipment

Powder, Drill, Camp Equipment, Sampling Bags		1000.00
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5.0 Assays

11	Pb, Zn, Ag Assays @ \$14.25	156.75	
11	Rock Sample Preparation @ \$2.75	30.25	
7	Pb, Zn, Ag Geochem @ \$3.50	24.50	
7	Rock Sample Preparation @ \$2.75	<u>19.25</u>	230.75

6.0 Report Writing and Drafting

4 days @ \$130/day	<u>520.00</u>
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\$ 9247.56
=====

APPENDIX 4

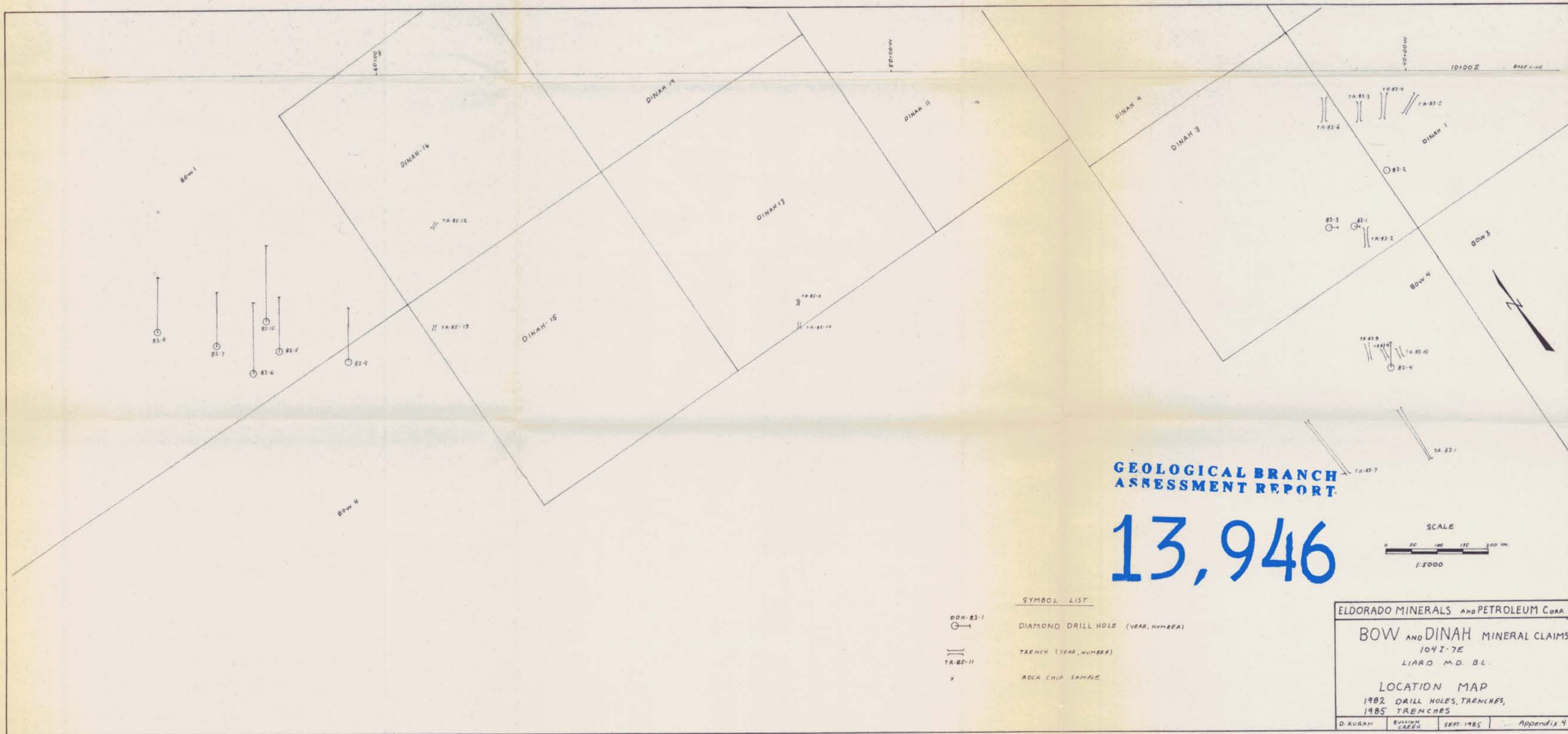
LOCATION MAP

1982 DRILL HOLES AND TRENCHES

1985 TRENCHES

APPENDIX 5

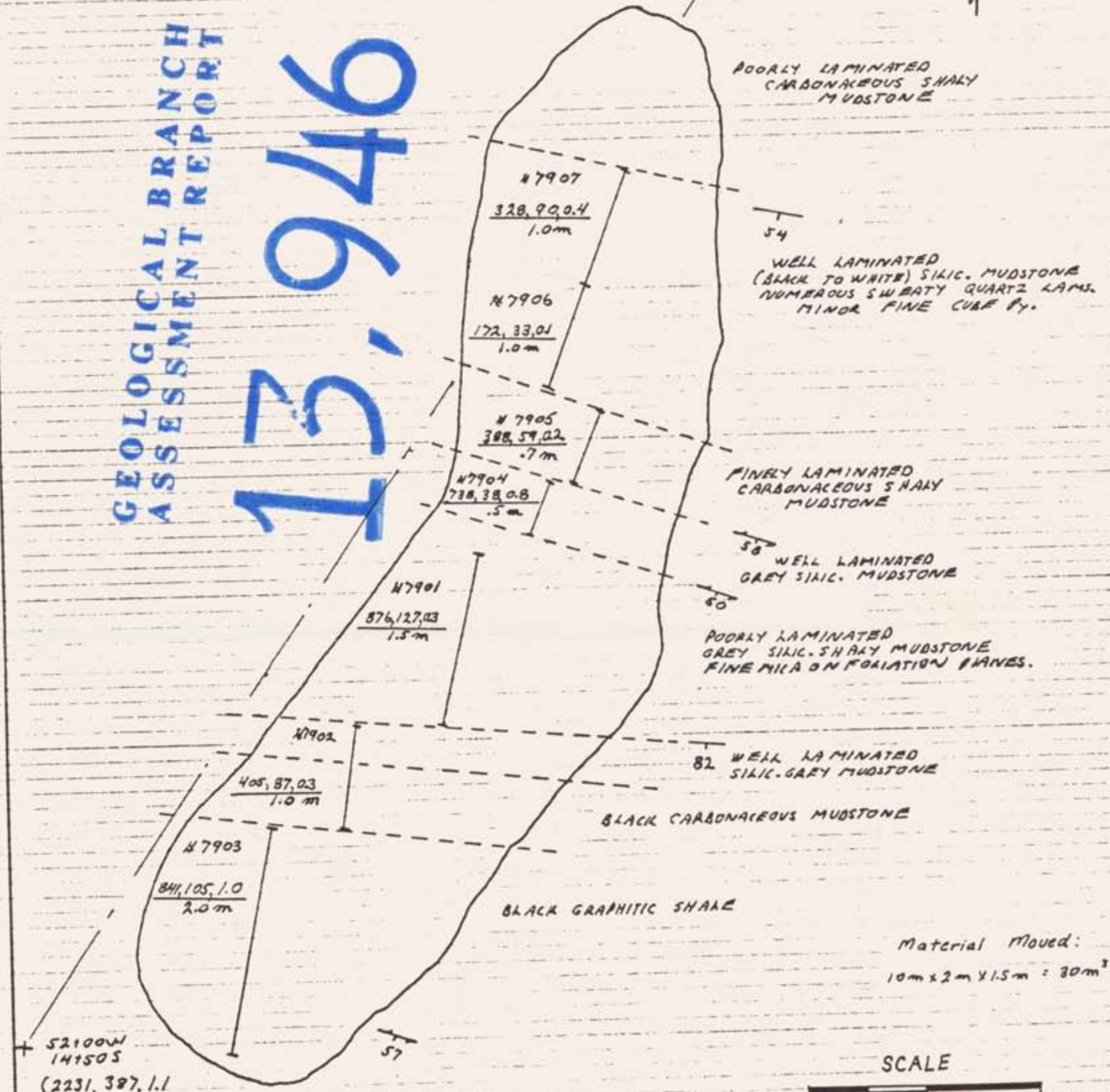
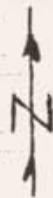
FIGURES 3, 4, 5, 6



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52100W
52100W



Material Moved:
10m x 2m x 1.5m = 30m³

SCALE
0 0.5 1.0 2.0 m
1:500

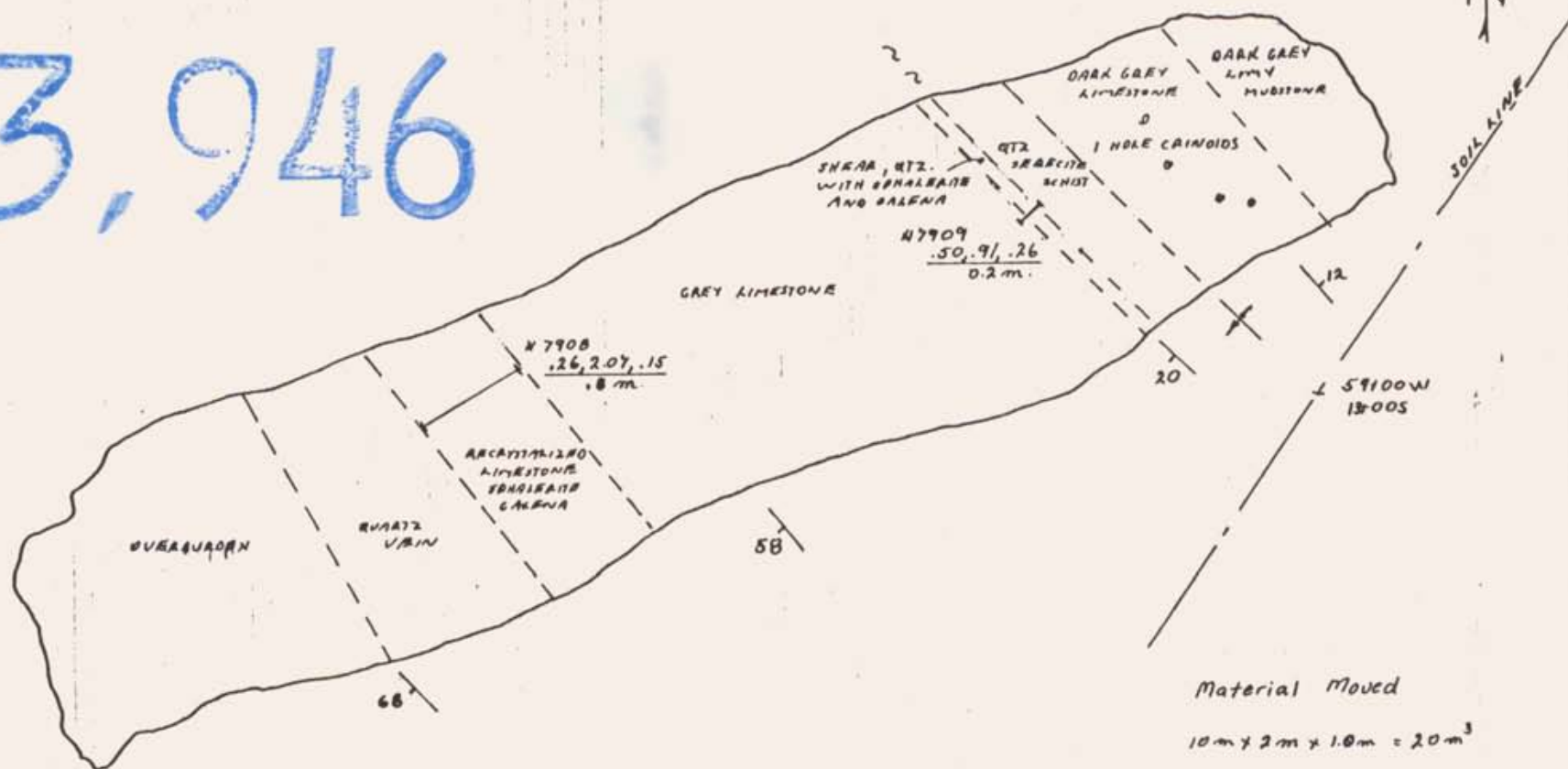
SYMBOL LIST

- CHIP SAMPLE
- N7905 388,59.02 Pb,Zn,Ag (PPM)
.7m width
- - - GEOLOGICAL BOUNDARY
- BEDDING
- 58 FOLIATION
- 50

ELDORADO MINERALS AND PETR. CORP.			
BOW AND DINAH CLAIMS LIARD M.D.			
PLAN MAP TRENCH-85-11			
D. K. VAN	SEPT. 1985	1:500	FIG. 3

GEOLOGICAL BRANCH
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SYMBOL LIST

- GEOLOGICAL BOUNDARY
 T BEDDING
 FOLD AXIS
 X7908 .26, 2.07, .15
 .8 m SAMPLE NUMBER
 Pb%, Zn%, Ag & ZIN
 WIDTH
 --- GRID LINE
 ~~~~ SHEAR

ELDORADO MINERALS AND PETRO. CORP.

BOW AND DINAH CLAIMS  
LIARD M.D.

PLAN MAP  
TRENCH 85-12

D. K. VARN

APT. 85

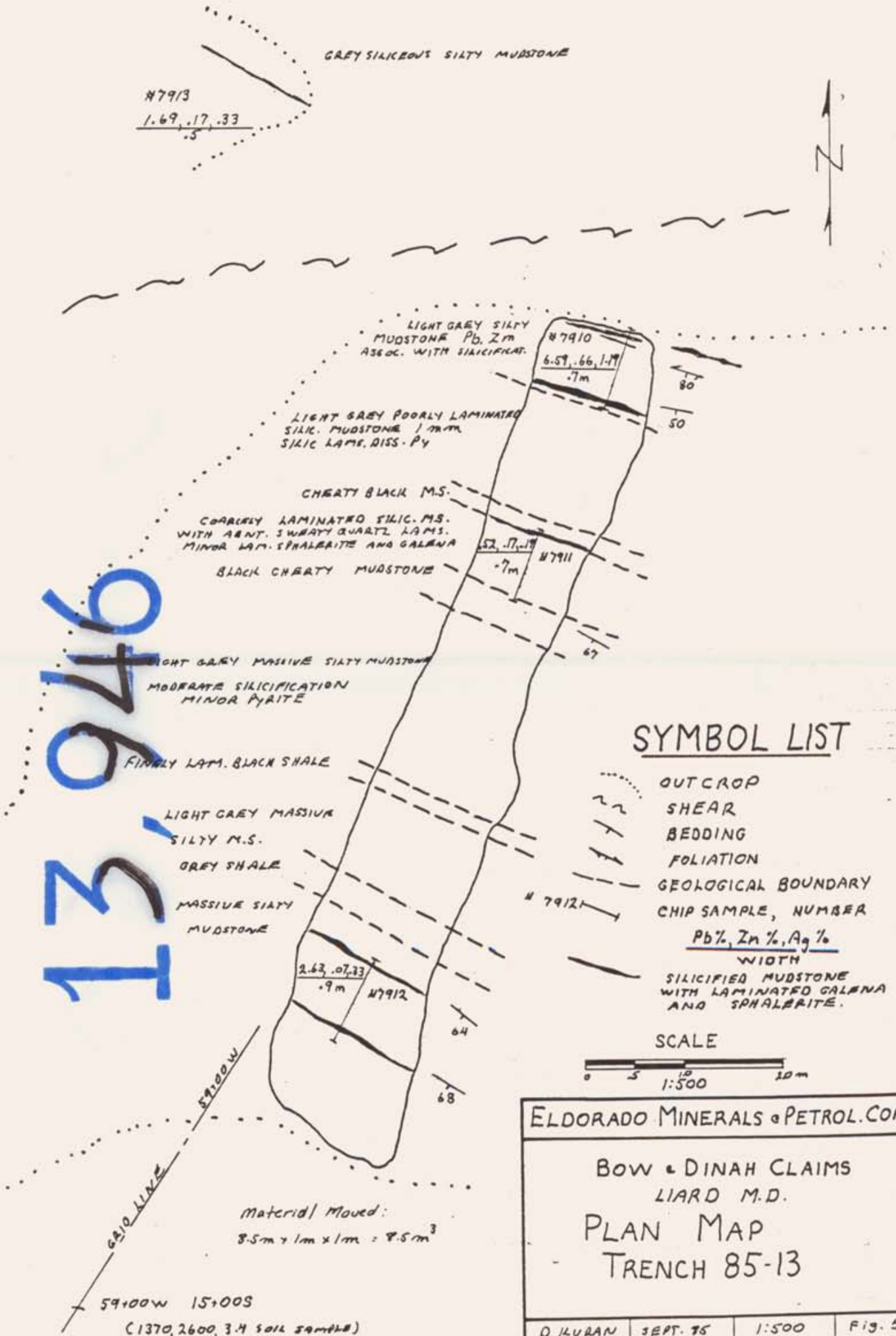
1:500

FIG. 4



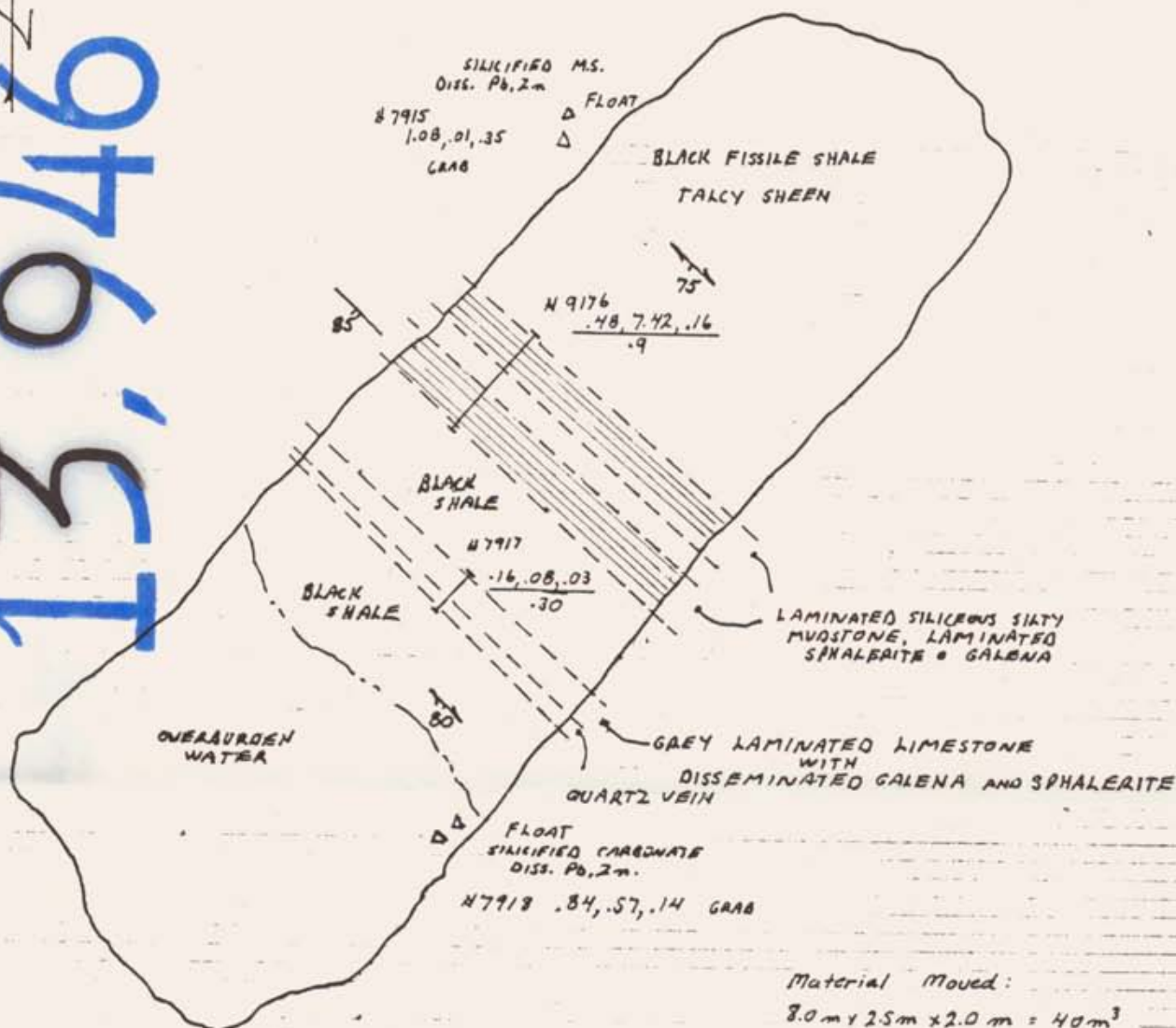
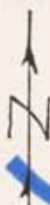
GEOLOGICAL BRANCH  
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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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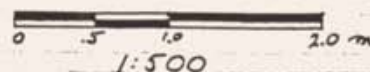
Material Moved:  
8.0 m x 2.5 m x 2.0 m = 40 m<sup>3</sup>

SYMBOL LIST



BEDDING  
FOLIATION  
GEOLOGICAL BOUNDARY  
CHIP SAMPLE, NUMBER  
Pb%, Zn%, Ag, 02/10N  
WIDTH

SCALE



ELDORADO MINERALS • PETRO. CORP.

BOW • DINAH CLAIMS  
LIARD M.D.

PLAN MAP  
TRENCH-85-14

D. KURAN SEPT. 85 1:500 FIG. 6