"1989 EXPLORATION PROGRAM" "PROSPECTING & SAMPLING"

	LOG NO: 0919	RD.
- on the -	ACTION:	
"MOBY CLAIM GROUP"		
Vernon Minina Division	FILE NO:	

Province of British Columbia

- for -

FILMED

ANTELOPE RESOURCES INC., Ste. 530 - 800 West Pender St., Vancouver, B. C. V6C 2V6

工行 CA ZC € D. Location: 50° 16' N; 119° 36' 30"W. 2 N.T.S. 82L/5 24 km. west of Vernon, B. C. 12 C E > (4) 0 0 Prepared By: Y-H TECHNICAL SERVICES LTD., O P.O. Box 298, (1) (L) 9 4 Vernon, B. C. V1T 6M2

R. W. Yorke-Hardy, A.Sc.T. September 14, 1989



Table of Contents

	Page	No.
SUMMARY	i	
CONCLUSIONS AND RECOMMENDATIONS	i	
INTRODUCTION	1	
PROPERTY	2	
LOCATION AND ACCESS	3	
PHYSIOGRAPHY AND VEGETATION	4	
PROPERTY HISTORY	5	
REGIONAL GEOLOGY	6	
PROPERTY GEOLOGY	6	
JUNE 1989 ASSESSMENT PROGRAM	8	
DISCUSSION OF RESULTS	11	
SELECTED BIBLIOGRAPHY	15	
CERTIFICATE OF QUALIFICATIONS	16	
COST STATEMENT	17	

Table of Contents

(continued)

<u>List of Illustrations</u>

Figure 1 - Location Map ----- after page 1

Figure 2 - Claim Map ----- after page 2

Figure 3 - Moby Claims - Geochemical Results

Chain & Compass Survey ----- in back pocket

Figure 4 - Moby Claims - Geology
Sample Locations & Geology ---- in back pocket

Appendices

Appendix I - Assay Certificates ---- after page 17

Appendix II - Survey Data & Field Notes - after Appendix I

SUMMARY:

In June 1989 a prospecting/sampling program was conducted on the Moby mineral claims. The program also included a chain and compass survey of the main road system and claim post locations.

The object of the program was to determine geologic structure and/or lithology underlying the property; and to thereby assist in assessing the property's mineral potential.

The primary target on the property is gold/silver mineralization related to epithermal alteration zones occuring in and adjacent to shear/fault structures.

This report has been compiled to meet assessment requirements and is otherwise intended only for the use of Antelope Resources Inc..

CONCLUSIONS AND RECOMMENDATIONS:

The program conducted was successful in determining that:

- 1. The mineral claims comprising the property form a contiguous group with no apparent internal fractions (subject to the accuracy limitations of chain and compass). Outer wedge fractions do occur as a result of the varing average orientation of the location lines. The claim map (Figure 2) and the survey map (Figure 3) show the configuration and location of the mineral claims. The claim map as available at the mining records office in Vernon adequately shows the claims as they exist on the ground.
- 2. Systems of north-westerly, east-northeasterly to east southeasterly trending shear/fault structures occur and intersect within the claim block. These should be carefully and systematically checked for mineralized zones similar to those related to the epithermal mineralization on the Brett claims located on Whiteman Creek five (5) kms. southwest; presently being explored by the Corona/Huntington joint venture group. On the Brett property mineralization is located, at least in part, within similarly oriented fault/shear structures and extends outward into favorable cross-cutting lithologies.

3. Anomalous gold and/or anomalous arsenic were obtained from each of the four locations tested along Bouleau Creek. These anomalous conditions occur in close proximity to geological structure and alteration which suggest a possible source for the gold mineralization is close to hand.

It is therefore recommended that a staged exploration program be conducted including the following:

- 1. A complete and detailed magnetometer survey be conducted on the property. Line spacings should not exceed 60 meters (station spacing 30 m. or less) in order to allow accurate contouring and interpretation. This will assist in geologic mapping; particularly in locating contacts between volcanics and intrusives.
- 2. A VLF-EM survey should also be conducted to cover the same ground. Both Seattle and Annapolis stations should be read. This will assist in locating and mapping structural features such as the fault/shear zones.
- 3. A geochem survey should be conducted. The samples should not be screened; but instead the whole sample should be pulverized. Analyze samples for gold in addition to trace elements. Gold analyses must be done by fire assay/AA techniques, not strictly by acid digestion. A minimum of six I.C.P. or AA analyses (run for Ag, Fl, Mn, Bi, As & Sb) should also be conducted. Such a program should be successful in detecting zones of favourable trace element mineralization and possibly gold/silver mineralization where it occurs near surface.
- 4. Some backhoe trenching will be required to facilitate geological mapping and sampling of bedrock.
- 5. Detailed geological mapping should be conducted over the entire property with emphasis being placed on detailed mapping within suspected fault/shear zones. It will be necessary to determine, by geological mapping, both the orientation and mode of displacement

associated with the structures exhibiting epithermal characteristics. In particular, mapping and sampling should be conducted in any anomalous areas detected by the geophysical and geochemical programs; to assist the interpretation of the geophysical surveys.

- 6. Upon deliniating specific target areas, a detailed I.P./Resistivity survey (minimum 6 levels at 30 meter separations) should be conducted in order to define drill targets. Orientation of this survey normal to the strike of the suspected epithermal vein is of utmost importance so that drill targets can be defined with accuracy. Zones of intense alteration related to an epithermal system will show as a resistivity low while the actual vein will show as a moderate high (due to calcification and silicification in the vein filled shear) on the footwall side of the altered zone.
- 7. Drill targets determined by the above methods will optimize the potential for locating a viable epithermal deposit should one exist on the property. Extreme care must be taken when drilling to ensure maximum core recovery; epithermal veins are commonly comprised in part of "soft" minerals which can be easily ground. Use only large diameter (NQ or larger) equipment and face discharge bits.

INTRODUCTION:

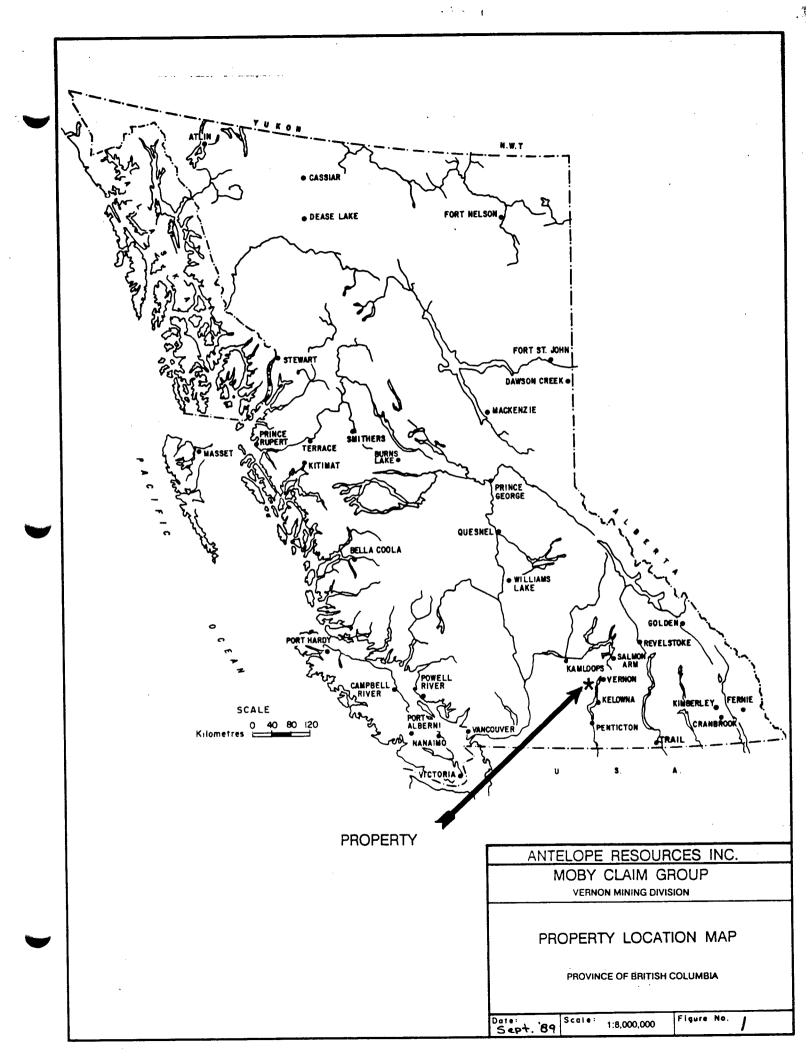
During the period from June 12, 1989 to June 15, 1989 an exploration program was conducted on Moby #1 to #10 mineral claims which forms the Moby Group of claims, MOBY PROPERTY owned by Antelope Resources Inc., a Vancouver, British Columbia based resource development company. This work program was performed by Y-H Technical Services Ltd., Vernon, B.C.. This report has been prepared for assessment work purposes in order to qualify the Statement of Work filed on June 16, 1989 (M.R. 1000110).

The objectives of this program were to:

- Determine the orientation of major geologic lithological and/or structural trends occurring on the property as might be deliniated by VLF-EM and magnetometer surveys in the future;
- To establish a ground control survey and base map of the claims/property.
- 3. sample stream sediments to detect possible anomalous gold and/or gold indicator elements.

The program as conducted was successful in providing indications of the major structural controls on the property, alterated shear zones and anomalous gold — gold trace element stream samples. These discoveries provide a focus for further exploration work.

The claim locations were found to form a contiguous block as shown on the claim map herein contained.



PROPERTY:

The property consists of ten (10) two-post claims. These claims form a contiguous unit and have been grouped (Moby Group, dated June 16, 1989) as provided for under Section 28 of the mineral act.

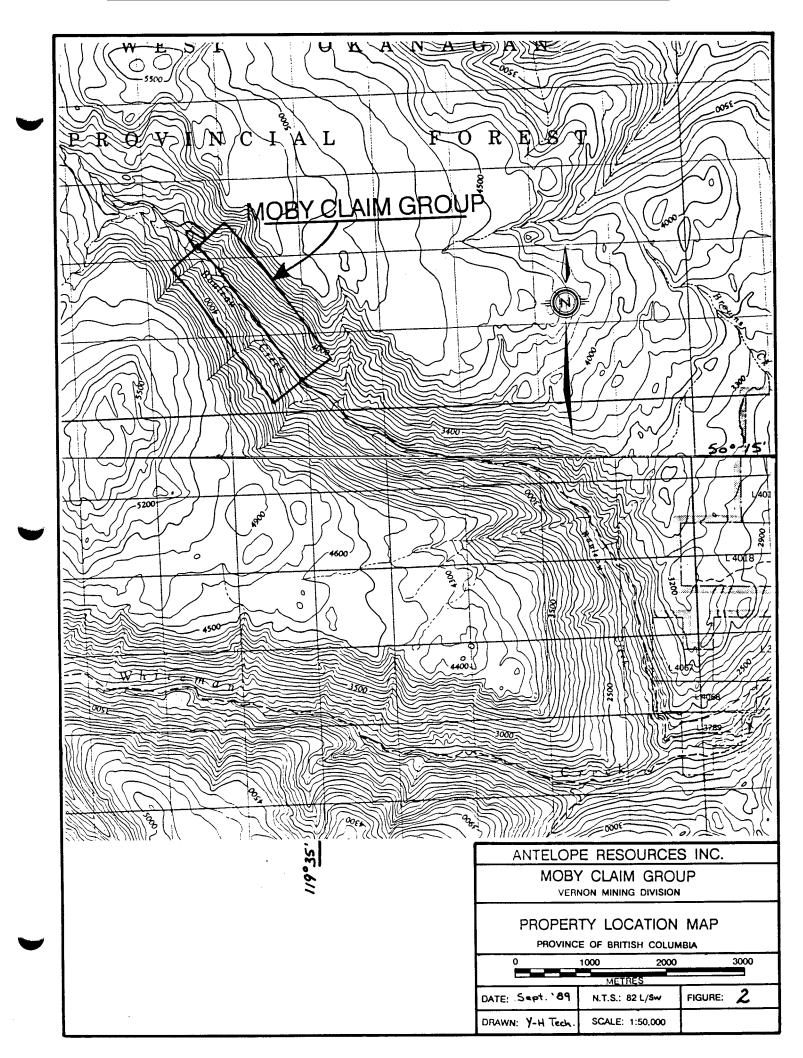
Claim N	<u>Vame</u>		Record No.	Expiry Date
•				
Moby 1	1 (1	unit)	2556	June 17, 1990
Moby 2	2 (1	unit)	2557	June 17, 1990
Moby 3	3 (1	unit)	2558	June 17, 1990
Moby 4	4 (1	unit)	2559	June 17, 1990
Moby 5	5 (1	unit)	2560	June 17, 1990
Moby 6	5 (1	unit)	2561	June 17, 1990
Moby 7	7 (1	unit)	2562	June 17, 1990
Moby 8	3 (1	unit)	2563	June 17, 1990
Moby 9	7 (1	unit)	2564	June 17, 1990
Moby 10	1) (1	unit)	2565	June 17, 1990

The above claims are owned 100% by Antelope Resources Inc..

These claims are all located and recorded in the Vernon Mining

Division. The expiry dates shown herein reflect the one years work

applied as a result of the June 1989 program.



LOCATION AND ACCESS:

The Quartz Reef Property is located ~24 km. west of Vernon in the North Okanagan District of British Columbia. Geographic coordinates of the approximate center of the property are 50° 16'N.; 119° 36' 30"W. All these claims are located on map sheet N.T.S. 82L/5.

The property is readily accessible year round from Whiteman Creek Main forest access road which intersects Westside road ~19 km. south from the B.C. Hwy. 97/Westside road junction near the O'Keefe Ranch; which is located some 15 km. driving distance northwest of Vernon B. C..

The common initial post for the Moby 1 and 2 mineral claims is located ~30 metres northwest from the edge of Bouleau Main forest access road at ~20.2 km. mark which intersects Whiteman Main ~8 km. from the Westside road junction. The first of the Moby claim posts to be encountered are the Moby 9 and 10 final posts which are located adjacent to the road at ~17.5 km. from the Whiteman/Bouleau junction.

Vehicle access within the claim block is restricted to the main road and is subject to limited access during the winter months due to snow conditions; depending on logging activity. During periods of log hauling activity exteme caution should be exercised while on these road systems, as there are a limited number of passing locations.

PHYSIOGRAPHY AND VEGETATION:

The property is located along the steep sided Bouleau Creek valley. Elevations range from ~900 to 1000 m. above sea level along the road and location line, long axis; to between 1400 and 1500 m. above sea level up the valley walls. The valley walls, locally rock cliffs, are cut by creek gullies and draws which are locally steep walled and rock bounded. These gullies trend east-northeasterly to east-southeasterly along apparent structural trends; and are probably fault/contact controlled.

The climate is semi-arid, typical of the North Okanagan, and is characterized by long, warm summers and short, moderate winters. More adverse conditions do prevail at higher elevations with winter conditions lasting from November to April or May.

The property is covered with moderate to locally dense brush which locally gives way to areas of mature to decadant stands of interior douglas fir.

PROPERTY HISTORY:

The writer is not aware of any exploration work having been conducted in the vicinity of these claims however discussion with prospectors/rockhounds reveals that the Bouleau Lake area has long been a source of "red jasper" and some agate.

The claim block is strategically located and exhibits structural features parallel to and geologically similar to those hosting favourable epithermal gold mineralization on the Brett claims located in the next valley five (5) km. south-west. East-northeasterly trending structures originating at or near the main zone of interest on the Brett claims coincide directly with similarly oriented structures on the Moby claims.

Hematite staining, manganese staining and minor clay alteration and feldspar kaolinization, all indicative of high level (or distall along strike) epithermal alteration appear to be associated with these east-northeasterly trending structures on the Moby claims.

Jasperoid alteration located on the Moby claims are conclusive indications of epithermal veining. Lord River Gold Mines Ltd., a VSE company; has located 2 jasperoid zones on its Trout Creek project in Nevada. To date values up to .131 oz./ton gold across 20 feet have been encountered; directly relating to the Jasperiod zones. These zones are described as being epithermal occurances and sound similar in occurance to those located on the Moby property.

Anomalous gold and gold trace element values were obtained from sluiced stream samples collected during this program.

Anomalous gold mineralization, recorded placer gold production, epithermal alteration and/or indicator elements have been located on several properties other than the Brett claims on Whiteman Creek. Naswhito Creek, the next drainage north of Bouleau Creek has the second highest placer gold production in the Vernon Mining Division with production of 1,122 ounces recorded prior to 1935.

REGIONAL GEOLOGY:

In the immediate vicinity of the Moby claims Eocene aged volcanics of the Kamloops Group, comprised mainly of andesite and dacite flows and breccias, overlie Valhalla granodiorite and granite intrusives of Jurassic age.

Other Kamloops volcanics in the area include grey brown dacite and andesite lava and breccia, rhyolite tuff breccia and glassy lava, feldspar porphyry andesite, trachyte and trachyandesite lavas.

PROPERTY GEOLOGY & MINERALIZATION:

The Moby claims are underlain by Kamloops Groups volcanics which have been eroded to expose underlying Valhalla intrusives.

Locally the intrusives, mainly granodiorite, have been faulted/sheared and exhibit prominent red "hematite" and some manganese staining.

In the vicinity of survey station RT15+83, located along the main road ~.13 km. below the Moby #7 & #8 final post; a dark purplish to grey-green porphyritic andesite has been locally agatized and veined with red jasper/jasperiod materials. The section of road immediately above, to the north-west of this location is covered with overburden and gravels and appears to have been recessively eroded suggesting a possible altered and/or intensely fractured zone which would be subject to erosion.

Mineralization, mainly calcite, agate and jasper occur as lenses and irregular masses and as thin veins within andesitic volcanics.

Locally, hematite and manganese staining occur as coatings on fracture surfaces within intensely fractured zones associated with east-northeasterly to east-southeasterly trending structures within the intrusive units. Minor fine grained pyrite was been noted in the volcanic units in proximity to the "jasperiod" zones.

Anomalous gold and silver values were encountered in hand sluiced

stream sediments, sampled along Bouleau Creek. These samples exhibited a high concentration of dark minerals, with high iron content; mainly hematite. Occurances of "jasper" and "jasperiod materials" in the alluvial materials was quite common at all sample sites; though most common at sample site 14/06/89-02 near the lower end of the Moby 5 & 6 claim.

JUNE 1989 ASSESSMENT PROGRAM

The program consisted of a four day field program which included -

- A chain and compass control survey to tie in the claims and to provide a basis on which to develop a property map;
- 2. A sampling program conducted along Bouleau Creek;
- 3. A preliminary mapping program conducted along the main road cut to determine rock types and major structural trends.

SURVEY:

The chain and compass survey was conducted along the Bouleau Main logging access road and covered a total length of ~2.35 km., between the initial posts for Moby 1 & 2 and the final posts for Moby 9 & 10. Side traverses were conducted to tie in all claim posts and sample sites to the main traverse line. The main traverse points were used to control the preliminary mapping. The chain and compass data was reduced to determine absolute coordinates for each station using the final post of Moby 9 & 10 as the zero point. A property base map has been prepared from the survey data and is included in this report (Figure 3).

SAMPLING PROGRAM:

Sample sites were selected at four (4) locations along Bouleau Creek at points where the gradient and/or the change in direction of the creek provided a site for deposition of alluvial material during spring run-off. Each site was selected based on its potential to act as a trap point for heavy minerals during high water; and secondly to provide sample sites spacing along the length of the claim block.

At each sample site three or five, three (3) gallon pails of deposited material was collected and slowly hand fed across a one meter long portable sluice box. In each case the sluice had been set up in the stream in a position that allowed a sufficient portion of the stream flow to pass over the riffles and to thereby "wash" the collected material as it was placed on the apron at the upper end of the sluice. The lighter material was washed from the box by the current and the "heavy fraction" was retained in the riffles. The total sample was

processed; at which time the retained heavy material was flushed from the sluice box into a plastic bag.

Each sample and sample site was marked with an identifying number. The samples were forward to Barringer Research Laboratory in Calgary for analysis after they had dried. The samples were fire assayed for gold and silver and a fraction of each was digested in acids and subjected to a 32 element I.C.P. analysis. Each was also analyzed for gold by geochem techniques using fire assay/A.A. methods. The assay results obtained are hereinafter discussed and certificates have been included as Appendix I of this report.

SLUICED STREAM SEDIMENT SAMPLES
Sample descriptions are as follows:

13/06/89-01 - Sample # 150

3 - 3 gallon pails of coarse to medium sand and gravel; very little fines, clean.

North-east bank of creek downstream of large tree root.

13/06/89-02 - Sample # 147

3 - 3 gallon pails of coarse to medium clean sand and gravel; very little fines.

Adjacent to Sample 150.

13/06/89-03 - Sample # 148

3 - 3 gallon pails of fine sand to silt withe mulch. Backeddy near Sample sites 147 and 150;

14/06/89-01 - Sample # 151

5 - 3 gallon pails of mixed sand and gravel with silt, roots and mosses.

Southern side of creek downstream of large cedar trees; backeddy location on inside of slight curve in stream.

14/06/89-02 - Sample # 149

3-3 gallon pails of mixed sand, gravel and silt with roots and twigs - some moss.

Southern side of creek to avoid contamination from upper edge of slide entering creek from north side;

15/06/89-01 - Sample # 146

3 - 3 gallon pails of sand and gravel with minor silt.Southern bank of stream.

PRELIMINARY MAPPING:

The mapping and general prospecting conducted along the main road cut covered a total distance of 5 km., from 1 7 km. to 2 1 km.. The data obtained has been plotted on the property base map (Figure 4).

DISCUSSION OF RESULTS:

SAMPLING-

The following table shows assay results; certificates of assay are located in Appendix I.

ASSAY RESULTS:

6016

Sample #	Field I.D.	Assay Method
		Fire assay .
146 (9163)	15/06/89-01	0.010 oz./ton
147 (9159)	13/06/89-02	<0.001 oz./ton
148 (9162)	13/06/89-03	<0.001 az./tan
149 (9164)	14/06/89-02	0.002 oz./ton
150 (9160)	13/06/89-01	<0.001 az./tan
151 (9158)	14/06/89-01	0.012 oz./ton

Gol d

Sample #	Field I.D.	Assay Method
•		Geochem FA/AA .
146 (9163)	15/06/89-01	32.0 p.p.b.
147 (9159)	13/06/89-02	3.0 p.p.b.
148 (9162)	13/06/89-03	165.0 p.p.b.
149 (9164)	14/06/89-02	49.0 p.p.b.
150 (9160)	13/06/89-01	12.0 p.p.b.
151 (9158)	14/06/89-01	1070.0 p.p.b.

Sample # 149 should be considered possibly anomalous with a value of 49 to ~68.6 p.p.b..

Sample #'s 146 and 148 should be considered as being anomalous with values up to 343 and 165 p.p.b. respectively.

Sample # 151 should be considered anomalous to highly anomalous with values from ~412 to as high as 1070 p.p.b..

Comparison of the results obtained by the two methods of gold analysis shows some discrepancies which are as yet unexplained. For example:

- 1. Sample # 146 by fire assay method returned 0.01 oz./ton gold. This value converted to p.p.b. would give a value of ~343 p.p.b.. However, the value returned by geochem techniques returned only 32.0 p.p.b.
- 2. Sample # 148 by fire assay method returned <0.001 oz./ton. This value converted to p.p.b. would give a value of < 34.3 p.p.b.. However, the value returned by geochem techniques returned 165.0 p.p.b. (~0.005 oz./ton).
- 3. Sample # 151 by fire assay method returned 0.012 oz./ton. This value converted to parts per billion would give a value of ~412 p.p.b.. However, the value returned by geochem techniques returned 1070.0 p.p.b. or ~0.031 oz./ton.

It is quite possible that these fluctuations in values are a result of fine particles of "free" gold which are causing a "nugget" effect.

This possibility is a very important consideration and if true would greatly influence the interpretation of results. If free gold is present it could well be from a nearby epithermal system.

The samples were also analyzed for silver by fire assay techniques; but, no anomalous values were obtained.

The samples were also subjected to a 25 element I.C.P. analysis. Perusal of these results resulted in the following observations:

 The I.C.P. silver analyses are consistently three to six times lower than those obtained by fire assay techniques; however, all values, by both methods, are sub-anomalous.

- 2. Sample # 146 is highly anomalous in arsenic with a value of 1002 p.p.m.. Sample #'s 148, 149 & 151 with values in arsenic ranging from 157 to 216 p.p.m. arsenic are possibly anomalous.
- 3. All six samples returned potentially anomalous values in zinc, cadmium, chromium, strontium and manganese. Further work is required to determine whether or not there is any significance to this.

GEOLOGICAL-

Examination of available geological, topographic and airborne magnetic maps indicate the existence of regional fault structures trending ~310 to 330° along which alignment the property was staked.

Property geologic information and local topography one is able to ascertain that there are two secondary stike trends in the survey area. These trends are ~240° and ~105 to 115°.

The ~310 to 320° trend represents the major regional structural strike trend and is an apparent major topographical trend

These trends are interpreted as north-westerly trending fault/shear zones with cross-cutting easterly to north-easterly trending structures.

The outcrop locations as examined in the preliminary mapping program are noted on the plan map (Figure #4) at the back of this report.

GENERAL DISCUSSION -

represented by Bouleau Creek.

All sample sites produced anomalous to possibly anomalous values in either gold, arsenic or both these elements.

Sample # 151, highly anomalous in gold and possibly anomalous in arsenic, was collected in the vicinity of an apparent cross-cutting

fault/shear zone which exhibits hematite and manganese staining.

Sample # 149 was also collected in the vicinity of an apparent cross-cutting fault/shear zone, is possibly anomalous in arsenic and is in the vicinity of a contact between intrusives and volcanics.

Sample # 146 is anomalous in both gold and arsenic and was collected adjacent to a zone of volcanics which exhibit hematite alteration and injection by jasper (jasperiod) materials.

Sample # 148 is anomalous in gold and possibly in arsenic. It was collected just downstream from a zone of hematite stained intrusives possibly associated with a cross-cutting fault/shear structure.

SELECTED BIBLIOGRAPHY

Cairnes, C. E. (1931) G. S. C. Summary Report (Part A)

Woods, Dennis V. (1989) Interpretation of GSC Aeromagnetics,
Whiteman Creek Area, Vernon, B.C.

Certificate of Qualifications

I, Robert W. Yorke-Hardy, of Vernon, Province of British Columbia, do hereby certify that:

- 1. I am a Mining Technologist residing at 330 Stepping Stones Road, Vernon, B.C. and I am the owner/operator of Y-H Technical Services Ltd. of P.O. Box 298, Vernon, B.C., an exploration services company. In total I have accumulated 25 years of experience in Mining/Mining Exploration and related industries.
- 2. I am a graduate of the British Columbia Institute of Technology, Burnaby, British Columbia and a registered charter member of The Association of Applied Science Technologists and Technicians of British Columbia. I have practiced my profession for 20 years.
- 3. This report is based on my personal review of available data relating to the subject property and the Vernon area;
- 4. This report is compiled from data obtained by Y-H Technical Services Ltd. during a prospecting program conducted in June1989;
- 5. I am an Officer and a Director of Antelope Resources Inc. and I am the beneficial owner of stock in said company.

Y-H Technical Service Ltd.,

R. W. Yorke-Hardy, A.Sc.T. Mining Technologist

September 14, 1989 Vernon, B. C.

Cost Statement

TECHNICAL SERVICES

Field work:

Control Survey, Sampling, Mapping/Prospecting

4 man days at \$200.00/day ----- \$ 800.00

Consumable field supplies

-(flagging, thread, felt pen, field book etc. - \$ 20.00

Related expenses

Vehicle:

4 days vehicle rental (4*4) at \$50.00/day -- \$ 200.00

Gasoline ----- \$ 40.00

Rentals-

3 days sampling equipment and misc. tools

at \$25.00/day ----- \$ 75.00

TECHNICAL SERVICES

Office: (After June 17, 1989)

Data reduction and report writing -

3 man days at \$200.00/day ----- \$ 600.00

Drafting and plotting -

3.5 man days at \$200.00/day ----- \$ 700.00

RELATED EXPENSES

Printing and office ----- \$ 100.00

Assays ----- \$ 182.70

Total ----- \$2,717.70

Appendix I

ASSAY CERTIFICATES



14200B - 10 STREET N.E., CALGARY, AUBERTA, CANADA TZE 6KB - PHONE: (403) 250-1901

AUTHORITY: G. LOW

ANTELOPE RESOURCES LIMITED BOX 669

ROSSLAND, B.C. VOG 1YO



P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6 -- PHONE: (403) 920-4500 21-JUL-89

PAGE: 2 OF 2 COPY: 1 OF 2

PROJECT: 5

WORK ORDER: 6265D-89

大大大 FINAL REPORT 大大大

GEOCHEMICAL LABORATORY REPORT

s	SAMPI A M P	LE TYPE	s: s u m		ASSAY FIRE ASSAY AU NZ/TON	_		·—·			
j		15/06/29-01		9163	0.01 34		0.02				1
		13/00/19-02	.,		<0.001<34		0.03	Heave	, sedin	rent so	mples
1	SAND:	13/06/99-03	148	9162	<0.001<3		0.02	1, (224)	land sl	vice 1	
	SAND:	14/06/89-02	149	9164	0.002 6	8.6	0.01	- v	can't s	0,000	
	SAND:	13/06/59-01	150	9160	<0.001	14.3	0.01				
· .	SAND:	14/06/17-01	151	9158	0.012#	12	0.02				
i		SIGNED:			and Can						
ļ				C. Dou	glas Read,						
					ATORY MANAGE	R					

FOOTNOTES:

BARRINGER LABS (ALTA) LTD.

42008-10 Street N.E., Calgary, Alberta, T2E 6K3 Phi (403) 250-1901 Fax: (403) 250-8265

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 3 ml of multi acid HCl:HClO₄:HHO₃:HF at 95°C for 90 minutes and is dituted to 10 ml with water.
(10FAL DIGESTION)

ANALYST:

	REPORT D: 890356 PA		:	BARR ENGE	R LABS		Pro	j:		Dat	e In: 89	/03/21	Dat	e Dut:8	9/08/03	Att:								Page	e tof	1
	Sample Number	A		ÁS		B í			Co	Er	Cu	Fe	K	Hg	Ma	Ho	šķ	#i	P	Pb	5b	Sn	Sr	U	¥	În
		· 991	t .	994	• bba	PQ4	L	ppe	bda	ppa	pps				ppe	ppe		100		Dò.	DD.	ppe	pp a	₽p▲	g p s	p pe
Mober	SAND 146	0.2	4.87	1002	×. 595	₹3	0.90	0.1	52	137	65	5.97	0.33	0.69	632	3	0.34	26	0.26	43	(2	5	295	(5	₹3	149
Mobil	SAHB 147	0.1	5.02	45	774	₹3	0.86	0.7	19	130	26	5.09	0.30	0.69	635	2	0.35	22	0.25	40	₹2	3	297	₹5	₹3	145 /
Maby	SAND 14B	0.2	5.33	215	756	(3	0.71	0.1	14	87	23	2.57	0.20	0.74	438	2	0,43	15	81.0	29	₹2	₹2	251	- (5	₹3	95 🎠 :
holon	SAND 149	0.2	4.88	157	676	(3	0.83	0.8	/ 23	95	65	5.64	0.31	0.86	607	,	0.37	21	0.26	42	⟨2	4	279	(5	(3 .	148
Moby	SAND 150	0.1			634	(3				114		6.15		0.63	686	,	0.35	23		43	(2	Ġ	252	(5	(3	162
										•••						•						•				
mopy	SAND 151	0.7	3.99	196	656	₹3	0.73	1.1	20	95	42	5.59	0, 29	0.62	586	7	0.32	22	0.24	39	(2	3	229	₹5	(3	142
	Miniaum Detection	9.1	0.01	3	1	3	0.01	0.1	1	ŧ	1	0.61	0.01	0.01	t	1	0.01	1	0.01	2	2	2	1	5	3	1
	Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000
	C s loce than Minister	is a free	History	- Canto	ne = Nn	esent a	\ = C		. Bruis	um àuC				****	20101	****		4	*****							2,,,,

ANOMALOUS RESULTS: FURTHER ANALYSES BY ALTERNATE METHODS SUGGESTED

BARRINGER - Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3 - PHONE: (403) 250-1901

AUTHORITY: G. LOW

BARRINGER Laboratories (NWT) Ltd.

– P.O. BOX 864, YELLOWKNIFÉ, NWT, CANADA X1A 2N6 – PHONE: (403) 920-4500

31-AUG-89

PAGE: 1 OF 1 COPY: 1 OF 2

ANTELOPE RESOURCES LIMITED BOX 669

ROSSLAND, B.C. VOG 1YO

WORK ORDER: 6265D-89

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SAND

FIRE ASSAY

AU

SAMPLE NUMBER PPB

Hew SAND: 15/06/89-01 146 L. SAND: 13/06/89-02 147

32.0 4.001 3.0 ~

1.5, SAND: 13/06/89-03 148

165.0 .0003

49.0

1000 SAND: 14/06/89-02 149 11.0. SAND: 13/06/81-01 150

12.0

" SAND: 14/04/87-01 151

1070.0 - . 031 oz

SIGNED: ____

C. Douglas Read LABORATORY MANAGER

FOOTNOTES:

P=QUESTIONABLE PRECISION; A=INTERFERENCE; TR=TRACE; ND=NOT DETECTED; IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

Appendix II

SURVEY DATA & FIELD NOTES

Po.C. Int Port Many 182

.731 .682 21.93 20.40 N1709,41 W1373,95 Inti Jut fort 1-000 5 0430 E Title MOBY CHAINS.

STATION TO STATION	BEARING	DISTANCE	COSINE	SINE	MORTH	SOUTH	EAST	WEST	DMD.	+ AREAS LATITUDE DEPARTURE	STATION
RT 1 0000 to 37.0	NOHIE	37.0	.755	.126	27,90		500			1737.32 - 1329.22	/
37.040 88.8	5064°E"	51.8	.438	.89 9		22.59	7			1714.66-1282.65	
88.8 to 170.9	5009°E	82.1	.988	-121		21.11	12.21			1633.55-1269.84	/
170.9 to 187.5	2051,30.E	4.9	. 930	٦۵٤ .		13,00	0.04			1618.11 - 1263.75	/
187.5 to 206.9		19.4	.208	.978		4.04	18.97)	·	1614.07-1244.78	/
206.9402385	S086E ""	31,6	•070	.992		ر2.2١	31.54			1611.86 - 1213.24	/
238.5 to 265.6	N 075'E 075'	27.1	.259	.966	7.02		26.18			1618.88 - 1187.06	/
265.6 + 309.4	5 08 1°E 097	43.8	ط١٥.	.988		6.83	43.27			1612.05 - 1143.79	
309.4 4.349.0	S042°E 136	39.6	.143	.669		29.42	26.49			1582.63: -1117.30	/ .
349.0 to 385.0		36,0	.996	.087		35.8%	3,13			1542.77 - 1114.17	/
3850 to 418.0	Sozze si	33.0	.921	. 391		30.3 ^q	10.27			1516.38 - 1103.94	
4180 to 4600	S041,30,E,138.2	42.0	.749	.663	/	کی ایج	27.85	<u> </u>		1484.92-1076.09	· ·
460040518.5		2.82	.682	. 731	/ /	10.10	42.70	Į.		1444.82-1033.33	1 518.5
	2008.E 12.		.990	.139		114.84	16.12	/		1329.98 - 1017.21	/
	2022.30, Emis	7.0	ماط2.	.824		3.96	5.77			1326.02 -1011.44	-
	S071°E 109	10.2	.325	.946		3.32	9.65			1322.70-1001.79	/
651.7 to 691.4	S 079 30'E	39.7	. 182	. 983		7.23	39.03			1315.47 - 962.76	/
691.4 6 755.0	20220E 1,52	63.6	.574	. 819		36.51	52.0g			1278.96 - 910.67	/
755.0 to 796.8		41.8	.906	. 423		37.87	17.68			1241.09 - 892.99	,
	S030.30,E	93.7.	.862	.508	: /	80.77	47.60			1160.32 - 845.39	/
890.5 to 906.6	5034° E 146	lbilm	-829	. 559		13.35	9.00		1	1146.97 - 836.39	

STATION TO STATION	BEARING	DISTANCE	COSINE	SINE	MORTH	SOUTH	EAST	WEST	DM.D.	LATITUDE AREAS	STATIO
906.6 to 1005.4	2047°E 133°	98.8	. 682	-731		67.38	72.22			1079.59 - 764.17	
1005.440 1084.4	S032°30'E	79.0	.843	.537		66.60	42.42			1012,99-721.75	/
1084.4 4. 1166.7	5037°€ 143°	823	.799	. 602		65.76	49.54			947.23 - 672.21	/
1166.7 to 1304.8	S036'E 144'	138.1	.809	. 588		111.72	81.20			835.51 - 591.01	/
1304.82. 1364.9	20020E 126	60.1	.996	r80.		59.86	5.23			775,65-585.78	/
	S025°30'E	10.6	.903	. 431		9.57	4.57			766.08 - 581,21	/
1375.54- 1412.5	5061°E "1"	37,0	.485	.875		17.95	32.38			748.13 - 548.83	
	5035°30'E	78.0	-814	. 281		1,3,49	45.32			684.64-503.51	/
4.2021 - 62.0941	ZOIP.E IM.	14.9	.961	.276		14.32	4.11			670.32 -499.40	/
0.8121 06 4.2021	Sout Park	12.6	.70\	٠٦١٦	ĺ	8.83	8.98			1061.49-490.42	_
1518.0401583.8	Cobn 20 E	65.8	. 399	.917		26.25	60.34			635.24-430.08	_
1583.8 4. 1647.7	SO27°30'E	63.9	٠88٦	.462		56.68	29.52			578.56-400.56	-
1.10(1 0/1.1191	S030°30'E	4.62	.862	. 508		46.03	27,13			532,53 - 373,43	
1701.1 12 1800.0	2032,39, E	98.9	413.	. 581		80.50	57.46			452.03 -315.97	
1800- talson	1 - 123 50	52,4	.895	.446		L 2.92	23.37	/		405.13 - 272150	
1852.440 1912.0	SO31"F 149"	59.6	. 257	.515		€1.6?	30,50			354.05 - 221.01-	KT -17/2 To root
1912.0401940	S028.E , 55.	28.0	.530	. 845		14.54	23.04	Ì		339.21 - 238.17/	
194001.2011	5038°30'E	71.0	.783	.623	/	5001	J 4,33	\		28362-17394	
2011.0 % 2076.0	S055° E ""	65.0	-502	- 3 G	7	39.13	51.74	1		244.47.142.00	
20760 2205		129.8	. 299	356		اندروا	5,35			127,80 -85.15	

<u>and the state of </u>

1444.624 1033.33 At A	STATION TO STATION	BEARING	DISTANCE	COSINE	SINE	NORTH	SOUTH	EAST	WEST	D.M.D.	LATITUDE	EAS	STATION
22.78 4 EP 9 10 SON 22 1 107 M 107 M 108 SON 119 - 7.44 - 7.69 - 7.44 - 7.69 SON 22 1033.32 M AT A SON 22 1033.32 M A SON 22 1033.32	2308.4 1-2357.5	5039°E "1"	49.1.	-ררי	. 629		38,38	31.07			7.44		
Solq*w** 27.0m .358 .934 - 9.67 - 25.77 1/35.15N 1058.55W Int Policy 1079.59 17.5m .326 .946 5.71 - 16.56 1085.85W AT & 1085.85W	23 57.8 JoF.P. 9410	So46°W 234'	10.7 m	-695	.719		7.44		7.69		-6	þ	Find Porth
Solq*w*** 27.0358934 - 9.67 - 25.72			•		<u>-</u>			, , , , , , , , , , , , , , , , , , , ,			1444.824	1033.33W	AT 1 518.3
Note with 17.5m .326 .946 5.71 16.56 1085.20 780.72 Into 20.75 10.50 20.00 To 20.75 10.50 20.00 To 20.75 10.50 20.00 To 20.75 10.60 20.75 20		5069°W247	27.0m	135K	.934		9.67	_	25.22		1		
Notion 200 17.5m .326 .946 5.71 16.56 1085.20 780.72 548.82 ATELE 5088 52.00 TO THE .13.1 548.83 ATELE 5088 52.00 TO											10 79.59 01	764.17W	RT & 100
SONSE 1500 230 .883 .669 - 20.31 10.79 - 727.82N 532.04W T. SONSE 1690 21.7m .982 .191 - 21.31 6.14 - 700.51N 533.90W INTERPRETARING SONSE 1690 21.7m .982 .191 - 21.31 6.14 - 700.51N 533.90W INTERPRETARING SONSE 1600.56m RTAIL NEW 1600.56m R		40710 M 269	17,5m	. 32 ل	.946	5.71		-	16.56				
SONSE 150° 220m .883 .469 - 20.31 10.79 - 727.82N 522.04W T. SONSE 169° 21.7m .982 .191 - 21.31 4.14 - 700.51N 533.90W INTERPORT NEW YORK CONTROL NO.56 RTAL NEW YORK CONT											748.131	548.83w	RTEHIL
Mch, Cample Cit. NEW 270 270 992 10-5 2025 2.08 - 19.19 580.64 420.35 NEW 270 270 23/14 22 25/7 10.67 - 20.49 591.31 440.84 Note 2020 2020 18.44 20.35 Note 2020 18.44 20.35 7.49 - 16.81 598.80 457.65	*	2 018°E 1225.	23.om	.883	. 1.69	_	20.31	10.79	-				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		S 011°E 169°	21.7m	. 982	-191	-	21.31	4.14			70%.514	533.90w	Int Mart Mad
N 8 4° 20° 99 10-5 190-5 208 19.19 580.64 420.35 1162° 20′ 10 29° 1							,						
. 1/6236/10 237,3° 23.1/m . 2.2 .287 10.67 20.49 591.31 440.84 N666 10 800 10 10 10 10 10 10 10 10 10 10 10 10 1	Mich										-{}		RTA 16.
Noise 2007 1012 - 107 - 1135 7.49 16.81 598.80 457.65		NEHOW Zie	9.9.	./045	,90-5	2.08		_			580.64		
		11623011 277,3		ے کہ اندہ	.287	10.67			20.49			440.84	
5760 250 200 - 501 - 20.08 593.79 427.23				-2007	.2135	7,49		~-	16.81		598.80	457.65	
		11	20.7m	. 242	,27 ₅		5.01		20.08		593.79	477,73	
N39° W 321 7.54 6.10 N 601.33 453.83 W 3676		N 39°W 321°	7.7m	, ~~~	.629	7.54		-	6.10		N 601.33	483.83W	Janua 300

Title Maky Claims (Sample Locations) Fb. page Computed by: Y-H Technical Ser Wed Date: Page 1 of 1 + AREAS -- LATITUDE DEPARTURE STATION TO BEARING COSINE SINE MORTH SOUTH EAST WEST D.M.D. STATION DISTANCE -85.15 RTA 2205.8 N /27.80 5280E 1520 96.28 - 68.41 31.52 16.74 TP1 35.1 883 .469 S 07°F 173° -64.29 TP2 .9925 33.45 4.12 62.73 33.8 ./22 S61'W 0610 Sample Siles 13/06/89-011-03 Same Site 13/06/89-01 5.34 N 57.39 - 73.92 W 9.63 .485 .875 11.0 RTO 634.5m N1329.98 1017.21W N27°W 333° 35.8m 16.25 TPI 1361.88 1033.46 . 891 . 454 31.90 286.M. zm. 1360.65 12.5 .0698 1045.93 .9976 1-23 12,47 528°W 208° 1057.66 . 883 1/.73 1338.57 25m .469 22.08 5 82°W 262° 13.86 1336.62 1071,52 14 m . 139 1.95 .990 __ Sample Site 14/06/89-01 N28030W 331.50 19-1081.84 .879 .543 1353.32 16.70 10.32 · · RTA 1412.5 548.83W 1.1 718.13 2314 S 28°E .469 . 283 538.04 20.31 10.79 727.82 Zbm . 583 559.07 307 15.27 -712,53 21,03 ار ⁶⁰0 س 17. -m .3 -: 8.50 15.24 574.31 , Jon 721.33 13.1~ 1, 86° W 3.7-0.914 587.38 .0698 13.07 ----722,24 29.60 4121° 2 <u>.</u> . , ٦ 23.76 ν.. 746,20 616.98 ,777 14-4~ 11 18°W 13.67 <u>,</u>95+ .351 4.45 759.89 621.43 3273 25.3 ~ 1d/16/89-02 11336.) 14.0% .839 21.65 781.54 635.49 . 545 .911 - 10

June 12/89 Moby claims Alsersn - King 97 - Westside Kd Trit. - When tond 35.8 - When ton work le ket t Whiter Noi- Ballowhk Int = 6549 km 6556km -BA3&4 India Post - J IRwin 65 57.05 K. June 5 & 6 Inital Post - D Wilment 558.0 km - Final destry 94:0 June 9/87 June 8/88 Initial June 1 \$ 2 - December 6558.45 - India hole, 76 8 9400 - Final derby 17 &8 - Inding Hidles 768 6558.9 - Final duby 586 19km maker 6559.1 6559.38 - India, Moby 586 De Wehrle 6561.02 - Km 21 marker + Floweders 6562.32 - Boulean Ch for itse Tut Granie hun Benleuble 1513.85 124 km Baulcan Krain 63.91 - bridge Kush Breared - Jut w/ Canos the -64.65 also purplish softwenthing indrusive Noles Kn 24 - bridge 6565. 06

The 12/09 Cantil Boneina / Gramite Hair Jut 6574.98 TFLIFT-A NEGOVNEY CP 895-1 23 km marker 6575.88 Birege crossing benulen 76.49 22 km marker 6576.81 2.1 km worker - curve about Switchbacks, 2.0km warher 6578,71 Tuelielost hoby \$6579.40 -75AR PLACK 3 HNSW) one BOST , V2nHSN Beal 4 2E - Cherre-Mula, 546 = 6579.55 Marchy 3 & 4 indend 6580.0 b Villey 1st I Indistit do road odge 1 ~ 30m @ 137° Kood Transe -01637.0 - 410 - 300 (1370 dia-Justos) 37.0 - to 88.8 m = 116° 88.8 to 170.9m - 1710 120,50%, 1828, - 1525.

187.5-206.9 @/020 206.7 - 238.5 @ 940 238.5 - 265.6 @750 ~ 5m above & - opposta Zoku 309.4 - 349.0 @ 138° 349.0 - 385.0 @ 1750 Whidan Boulean Asin Tto 659 1.615 4/m- 4/1/105 Fred Post Molon 9 & 10 is N km above 17 km morker 385,9 L 418 (2157° 418 d 460 @ 138.5° - colvert. No do 518.50 1330 - across from holy Post 518.5 d 634.5@172° 634.5 L 641.5@ 124.5° 641.5 to 651.7@ 109° 651.7 1.691.4 (100.50 691.4 de 755,0 Ta 125°

and 11 1005 de 1220 perass fra Boult 2 E post

75510 of 796.8 @ 1550

890.5 ds 906.6 @ 146°

796.8 do 890.5 @ 149.50

June 13/89 - Moly Claims resed Traverse 27 1205, 4 to 1084.4 @147.5°- Basalt 4/6102 1084.4 to 1166.7 (a. 1430 - indivisione 11667 to 13048 @ 1440-1146 19Km Boyle do 1364.9 (2) 175° 13649 do 1375.5 @154.5° near dolog 7 & Birds 1375.54- 1412.5 @119° 1412.54. 1490.5 @ 1445. 1490.5ch 1505.4 @ 164.00 1505.4 do 1518.0 @1355° 1518.0 % 1583.8 (113.5° 1583.8 40 1647.7 @ 152.5° 1647.7 d. 1701.112 149.5° 170/11 1/2 1800,06 144.5 1800,001 1852.1@ 153.5° 1852.4 do 1912.0@ 149.00 - Jullost 9 810 1917.04. 1940.0@ 12210° - K-18- Northes de 17/3.00 2011.0@ 141.5° 2011,016 2076.0@127.0 2076.0 1- 2187.8 @ 15410 2076.0 = Oles 2070 (1298) = 2205.8 @ 154.00 22.058 (232.4) = 2308.4 @ 143.0° 2308.4 (281.8) = 2351.8@141.00 10.7m@ 234° from 2357.8 = F.P. halog 110

2205,8 to tree - 9.9 m @ 2150 tree do LCP YA 2 Ulym 5N 4 E (9908) -10 meders @ 2680

Moloy Super Site - Stude

- 13/06/89 - 06 - coarse bur N.Bak

11 - 44.8 @ 353°

148 - 80.5@ 332° - 2205.8 RTA

- Mohy 49 claim

- 13/06/89 - 02 - coarse bar N Bak

- coarse as # 01 - not much site

- 13/06/89 - 03 - Sine bar N Bak

- coarse as he of a not much site

- 13/06/89 - 03 - Sine bar N Bak

- coarse as he of a nothing

- each of samples 13/06/89 - 010003

- coarse del 1 3 - 3 - 1 pilo

Maderial which was hard

Stried.

- Prospect roalway

Tue 14/89 - Moly Claims - Hand Sluie Dampling - Piedures tolen Dsight oldor - 19 méders (a) 331.50055500 1 county mesers @ 262 (082°) steep - 125 meters@ 2680 Seep - 35. 8 melers@ 33580 ch RT 634.5m. Sande Site 14/06/59-01 -ancied Sadfgravel Report of South bon 6 / creek down Shear b) Parge Cedartrees - boch eddy l'oration on inside I stylit carne - 5 × 3 gal pals I physical Su! A gravel - Sedy W Acces 100 5 d noss. - Prospect ronkway Jan se site 14/06/89 -02 - 001° from 19km wasker ~ 200m (not messaged) - Ex signe pails I mixed sand & grand w/ set, Mods ede. Kourth side II create - 1 per edge I gravel slide in opposite site for eclarso es de represent rode up esteam

From site -02 to - 10 sile tout book Ols 25.8m a 141° to N. side from S. side 25.8m do 40.2 @ 162° class North side Ck 40.2 meto 18.3 (a) 1290 along 78.3 d. 91.4@ 0940 91.40 109 @ /200 135 @ 0540 -edge frond F 135+23,0 @ 332° - RTA 11412,5 21.7 m @ 3490 - Stantat Post lubi 7481 - 3 buckets Jun 15/81 - Malas alims - Slaine, say la side 15/06/89-01 - Sut at RT A 1647.7 0 6 19.9m @ 276° 19.7m ch 43:0 @297.50 43.046 61.4 @ 29.4° b1. y 45 82.1 @ 256° 82.1ts 91.8 @ 321° - 1\$/06/89-01 side - Southwest bale of each - granel & Sand deposit - minor inside conve 10/c an west side of moderial long what side of the Value dide unaldered Grandwaride such 20 meder South ExSOMN

Jule 1889 - Arby Claims
- Olkm marker 839km / 3 - bisids purplish de greening-brain (- colonger like de sone agade 37 7 18 8841.62 88.7 - - 884.58 170.9 = ~ 884.67 of who touthers - fell gaile 3093 OB 307.3 do 518.5-885.03 - 13.5 do corner - grandhoride admire - jarsly, les do 125. 85.5 dip so dip - breccin & some all int is roud (Hout) (of which 344 Tost - 27m @ 69° do 518.5~ First Handler stains - 85.11 km. - above 634587 or joursufres & Grads - Some chlority dim

Hering 1 brale - 634.5 d ~ 660 (below 651.7) hematitation judg & fraces - chlaritica , pyrolante? here string docrements by W tolow 6914 - ~ 10 m below rendinal not heres. -06 ~735. of 1905 eles 796,8 & (885,35 885.35hdon880. 8 The rubble. - granderike of he stains - Grally heavy costings along Longs - strike 87° dig I de 86° - locall slackers des v 4° dyg 75 NE - lock unstated ut pposite Int Port 5 fb 17.5m @ 109° to 1005,4 KT D =885.52 - 08 885, 57 d 885. 62 885.62 to 385.78, - udinsine of minor her & (epsil te)? could just & frame surface - sherred @ 11667 KTA 1100 dip bil 885.78 - 885.82 - rabble (granokiaril) - sherred 185. Br - 15m of dark vole, - gray broad 4/ green / black harmblade - Talake Vapin RTA1304.8 = 885.82 - OB - grand to 886.12

4583.8 - dark basalt as above de purplish gran

June 15/89 . 886. 48 = RTA 1940 - 2001 - OB do 2016 2076 - Wensive rubble à 08 +886,67 Blocky intruine rubba - her sdeit do 2205.8 - tales - intrasina - Ro han stan 2327.8 - talon - mirarher WiGD. 887.01 - Ok GD W/ pick Feld phenos - Sout 009° 255° w-minor - Land's 10 fo @ 60° N 1/0 887.2 - loselliged her rich zm

