

ARBOR RESOURCES INC.
Geophysics
 GEOLOGY AND GEOCHEMISTRY SURVEYS REPORT
 ON THE
 GOODEVE CREEK (NORTHPORT GOLD) PROPERTY
 TRAIL CREEK MINING DIVISION
 N.T.S. 82F/4

April 1983

J.C. Ridley, B.Sc.
 A. Troup, P.Eng.

C L A I M S

<u>GROUP NAME</u>	<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>ANNIVERSARY DATE</u>
GOLD	GOLD 1	664	July 12
	GOLD 2	665	July 12

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

Location: 49°N 117°45'W

Owner: R.W. Hughes

Operator: Arbor Resources Inc.

Project Geologist: J.C. Ridley, B.Sc., Mark Management Ltd.

Consultants: F. Holcapek, B.Sc. P.Eng., Holcapek Engineering
 A. Troup, P.Eng., Archean Engineering

11,178

SUMMARY

The Goodeve Creek property is a gold prospect located in southern B. C. along the Canada - U. S. border. The property is comprised of 2 claims of 12 units each.

In 1982, Arbor Resources Inc. of Vancouver, B. C. carried out geological mapping, geochemistry and geophysics over the claims.

The results of the work show that quartz veins in a granodiorite contain gold and lead mineralization. Anomalous lead values in soils suggest that these veins may extend further than they are exposed and that additional veins remain to be discovered.

Additional exploration entailing geological mapping and geochemical sampling is recommended.

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GOODEVE CREEK PROPERTY

TRAIL CREEK MINING DIVISION

GEOCHEMISTRY AND GEOLOGY

1. INTRODUCTION

This report covers the Gold 1 and 2 claims within the Goodeve Creek Property. The property is a lode gold prospect located in southern British Columbia.

A three-person field crew was stationed at the community of Rossland, B.C. from Aug 10 to Aug 17, 1982 to carry out geological, geophysical and geochemical work over the property.

The purpose of the project was to assess the extent of gold mineralization on the property.

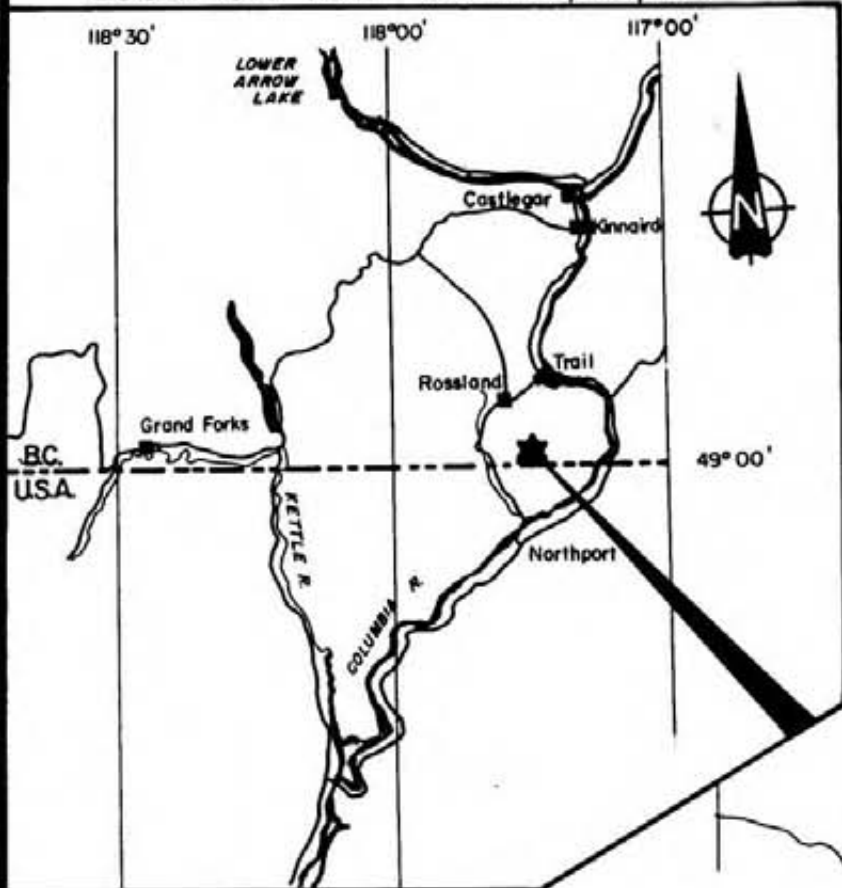
The programme was supervised by Mark Management project geologist, J. C. Ridley under the direction of Holcapek Engineering consulting geologist, F. Holcapek.

1.1 LOCATION AND ACCESS

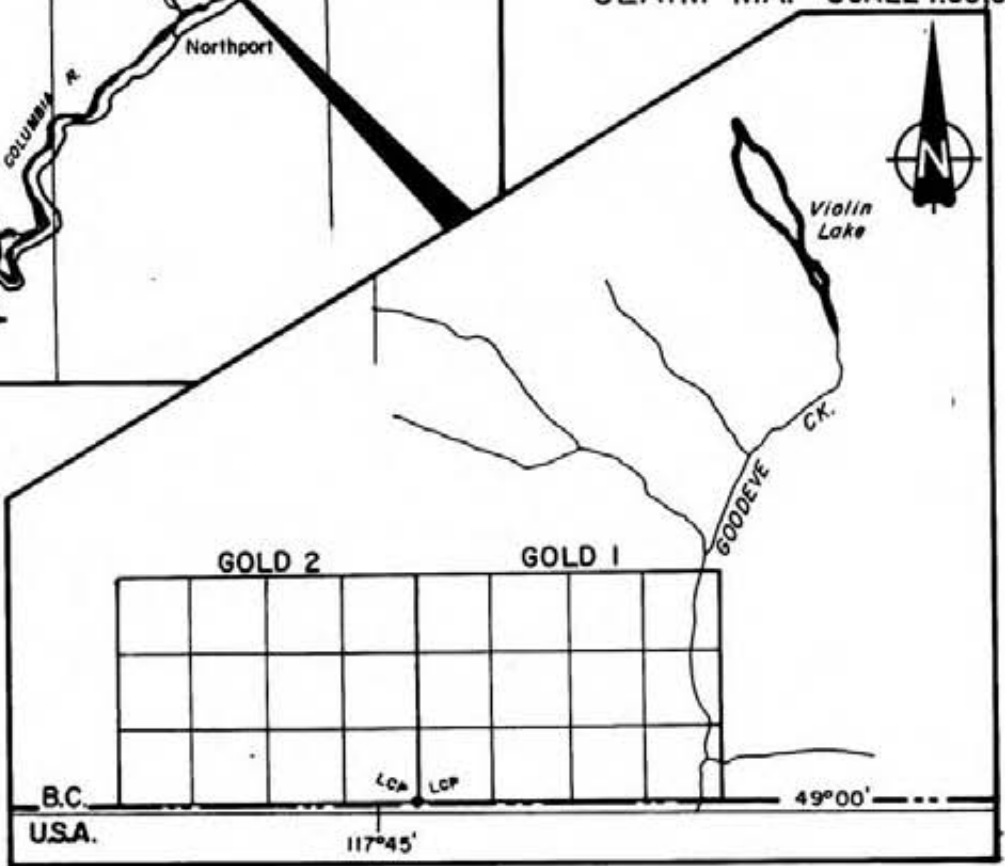
The Goodeve Creek property is situated in the Trail Creek Mining District in southern British Columbia. (Fig. 1.1).

The Gold claims cover an area of 6 square kilometres at the headwaters of Goodeve Creek; 10 air kilometres southeast of the town of Rossland, B.C. and 16 road kilometres north of Northport, Washington. The group is centred on latitude 49°N and longitude 117°45'W.

LOCATION MAP SCALE 1:1,000,000



CLAIM MAP SCALE 1:50,000



ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS-TRAIL CREEK MD. -BC.
CLAIM & LOCATION MAPS

NTS 82-F-4
APRIL 24 / 1983
JCR/rwr

Access to the Gold claims is provided by the Goodeve Creek logging road which intersects state route 25 three km north of Northport.

1.2 PHYSIOGRAPHY

The Goodeve Creek Property is situated over the moderately steep headwaters of Goodeve Creek on the southeast slope of Grouse Ridge. The mean elevation of the property is 4,400 feet (1,341 metres) and maximum relief is on the order of 2,300 feet (701 metres). The area is drained by the south flowing Goodeve Creek and its tributaries.

Vegetation on the Gold claims is moderately thick consisting of: Douglas Fir, Western Hemlock, Red Cedar, Grand Fir, Lodgepole and White Pine, and Mountain Alder trees; and Thimbleberry and Twinberry shrubs.

1.3 CLAIM INFORMATION

The Goodeve Creek property consists of two modified grid claims of 12 units each. Record numbers and expiry dates for the claims are given in Table 1.3.

TABLE 1.3

<u>CLAIM NAME</u>	<u>UNITS</u>	<u>RECORD NUMBER</u>	<u>EXPIRY DATE</u>
Gold 1	12	664	July 12, 1983,
Gold 2	12	665	July 12, 1983

1.4 Work by Arbor Resources in 1982

In 1982, field work was conducted by Arbor Resources from August 10 to August 17. During this period the following surveys were completed:

- 1) Geological mapping (1:50,000 scale)
- 2) Soil sampling over areas of known quartz veins
- 3) VLF-EM survey over areas of known quartz veins.

2. GEOLOGY

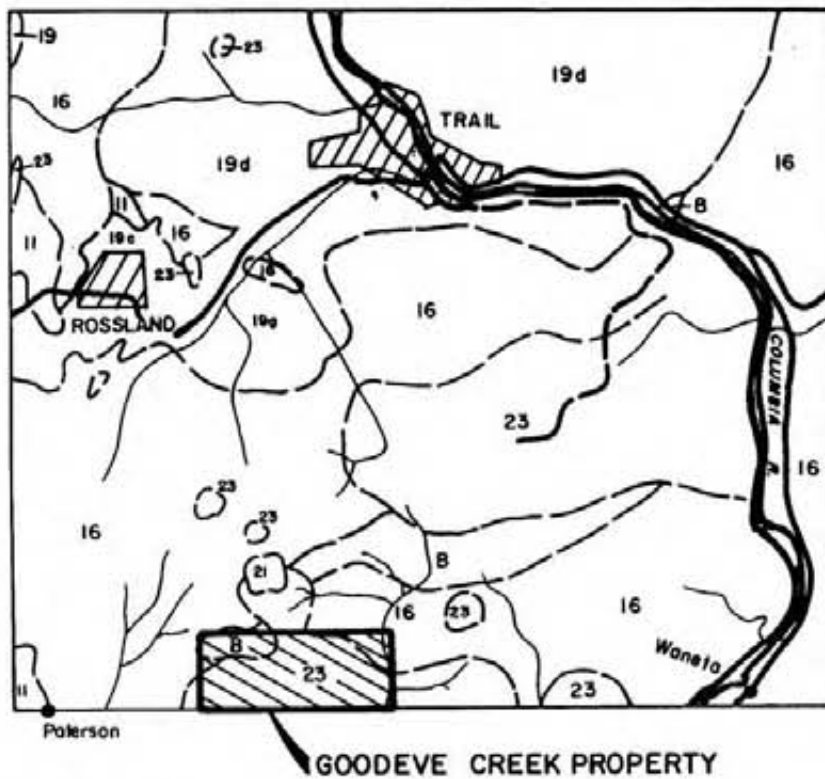
2.1 General Geology

The geology of the Nelson map sheet was mapped by H. W. Little of the Geological Survey of Canada, 1948-50 and 52 (Fig.2.1).

The Gold claims are underlain predominantly by the Tertiary aged leucocratic granite and granodiorite of the Sheppard Plutonics (Unit 23). The granodiorite intrudes argillites and andesites of probable Jurassic age (Unit B) in the northwest corner of the claims and the Lower Jurassic Rossland Volcanics (Unit 16) in the northeast corner.

2.2 Mineralization

Disseminated pyrite and galena occurs in quartz veins striking 110° to 180° . Gold is present in assay samples but is not visible.



LEGEND

CENOZOIC	TERTIARY Eocene - or later	22. CORYELL PLUTONIC ROCKS: syenite, minor granite, monzonite and thornstone; 22a, porphyritic augite monzonite; 22b, pulsate 23. SHEPPARD PLUTONIC ROCKS: leucocratic granite 24. MCGREGOR INTRUSIONS: thornstone
	CRETACEOUS (I) UPPER CRETACEOUS OR IN LATER	21. SOPHIE MOUNTAIN FORMATION: conglomerate; minor argillite
MESOZOIC	LOWER CRETACEOUS (II)	VALHALLA PLUTONIC ROCKS: granite; minor pegmatite; 20a, granite and granodiorite
	LOWER JURASSIC	19. NELSON PLUTONIC ROCKS: 19a, mainly porphyritic granite; 19b, non-porphyrific granite to granodiorite; 19c, granodiorite; 19d, quartz diorite; 19e, syenite; 19f, mainly fine-grained, porphyritic syenite to quartz diorite; 19g, Rossland "monzonite"; 19h, pseudodiorite and pyroxene-hornblende-biotite rock; 19i, mylonite; 19j, pegmatite; 19k, diorite
PALAEZOIC	LOWER JURASSIC	16. ROSSLAND FORMATION: andesite, latite, basalt, flow breccia, augite porphyry, agglomerate, tuff, minor shale; 16a, metamorphosed greenstone (may not be Rossland)
	PENNSYLVANIAN (I)	11. MOUNT ROBERTS FORMATION: slate, limestone, argillaceous quartzite, greenstone
		B. Argillite, argillaceous quartzite, greywacke, locally conglomerate; minor flows and pyroclastic rocks. Probably not older than Carboniferous, but in part may be Jurassic

ARBOR RESOURCES INC. ¹
GOODEVE CREEK PROPERTY
GOLD CLAIMS - TRAIL CREEK MD.-B.C.
REGIONAL GEOLOGY MAP

NTS 82-F-4
 DATE APRIL 25/1983

SCALE 1:181,029
 JCR/rwr

FIGURE 2.1

AFTER GSC MAP 1090A

3. GEOCHEMISTRY

3.1 Soil Sampling

3.1.1 Sampling, Sample Preparation and Analytical Procedures.

Soil sampling was carried out at 50 metre intervals along two east-west lines spaced 150 metres apart at the south edge of the claims and along the northern east-west claim line. A few samples were taken at 50 metre intervals along north-south lines 100 metres apart over the exposed quartz veins at 5E 3S.

All soil samples were collected from the 'B' soil horizon with the aid of a lightweight mattock. The samples were sent to Chemex Labs. Ltd. in North Vancouver for analysis.

In the laboratory, samples were oven-dried at approximately 60°C. The dried samples were sieved to minus 80 mesh and oversized material discarded. The minus 80 mesh fraction was analysed for the elements Au and Pb by atomic absorption spectrometer after digestion with hot concentrated nitric and hydrochloric acids.

3.1.2 Treatment and Presentation of Results

In assessing the geochemical results, graphic statistical methods were used to separate background from anomalous metal concentration. Threshold and anomalous levels were then determined at the mean plus two standard deviations ($\bar{x} + 2s$) and mean plus three standard deviations ($\bar{x} + 3s$), respectively, from log probability plots prepared for each element. This data is given in Table 3.1.2.

Sample locations and analytical results are shown on Map 3.1.2.1 which accompany this report (Scale 1:10,000).

TABLE 3.1.2MEAN, THRESHOLD AND ANOMALOUS METALIN 'B' HORIZON SOIL

L = Less Than

<u>Metal</u>	<u>Mean (x)</u>	<u>Threshold (x + 2s)</u>	<u>Anomalous (x + 3s)</u>
Au	L10 ppb	10 ppb	20 ppb
Pb	26 ppm	85 ppm	150 ppm

3.1.3 Discussion of Results

Soil samples collected over exposed mineralized quartz veins were highly anomalous in Pb but only slightly and inconsistently anomalous in Au. This suggests that Pb is the more effective pathfinder element for mineralized veins in this area.

Anomalous Pb and Au values also occur where bedrock is unexposed therefore the source is unknown. Approximately half of these Pb and Au anomalies are coincident.

All of the anomalies occur in the southern portion of the claims where granodiorite is the predominant rock type. None occur over the volcanics to the north.

3.2 Litho geochemistry - Rock Chip Sampling

3.2.1 Sampling, Sample Preparation and Analytical Procedures

Rock chip samples were collected from all mineralized showings, quartz veins and silicified zones discovered during the survey.

Channel samples were taken across the width of veins, chip samples were taken at regular intervals across the width of silicified zones; grab samples were taken where outcrop exposure was poor. The samples were placed in numbered plastic bags and sent to Chemex Labs Ltd. in North Vancouver for analysis.

Samples were analysed by either fire assay or geochemical methods. Where mineralization was not visible rock geochemistry was used because of its lower detection limit. Results given in oz./ton are fire assays and those given in ppm or ppb were determined by geochemical methods.

In the laboratory, samples were put through primary and secondary jaw crushers and a tertiary cone crusher. A sub-sample of approximately 250 gm was then pulverized in a rotary pulverizer. Pulp for precious metal analysis was screened to minus 100 mesh and examined for 'metallics'. The pulp was then fire assayed. All samples were assayed for Au, some samples were analysed for Ag and Pb.

Samples analysed by rock geochemistry were crushed entirely, sub sampled if necessary and pulverized in a ring grinder to approximately - 100 mesh (0.15 mm). Analysis was carried out for Ag and Au.

3.2.2 Presentation and Discussion of Results

Analytical results, locations and descriptions of litho-geochemical samples are given in Table 3.2.2. Au values range from less than 0.003 to 0.254 oz./ton, Ag values range from .003 oz./ton (.1 ppm) to .84 oz./ton. A single sample analysed for lead contained .44% Pb.

Results of fire assays are generally higher than those of rock geochemistry suggesting that fire assay was more effective. This may be due to the siliceous nature of the samples - geochemical methods are not as effective in separating the Au from the SiO_2 .

TABLE 3.2.2

Analytical Results, Locations and Descriptions of Lithogeochemical Samples

L = Less Than

<u>Sample</u>	<u>Location</u>		<u>Pb%</u>	<u>Ag</u> oz./ton ppm	<u>Au</u> oz./ton ppb	<u>Description</u>
49216	0+00mN	2+65mE			0.010	Quartz from Simon's <u>mine</u> <u>dump</u>
49227	2+00mS	5+50mE			0.118	Quartz vein - 4' channel sample
49228	0+00mN	7+50mE			0.003	Quartz vein
49229	0+00mN	7+50mE			0.150	Quartz vein
49242					L0.003	Ribbon vein
#7					0.254	Quartz vein 6"
#9					0.010	Granodiorite - wall rock to quartz vein
47062	0+00mN	7+50mE	.44		0.056	Quartz vein
47064	0+00mN	7+50mE		0.84	0.010	Quartz vein
47061	15+00mN	0+80mE			0.1	L10 Skarn
47063	0+00mN	7+50mE			3.9	2000 Quartz vein
47065	0+00mN	2+65mE			-	80 Quartz from Simon's mine dump
47066	15+00mN	5+00mW			0.3	10 Pyritized andesite in old trench
47067	15+00mN	5+00mW			0.1	L10 Silicified Fe- stained andes- ite
47068	15+00mN	0+02mW			0.2	L10 "
47069	0+00mE	11+80mN			3.7	L10 Quartz vein in granodiorite

TABLE 3.2.2 Continued

Analytical Results, Locations and Descriptions of Lithogeochemical Samples

L = Less Than

<u>Sample</u>	<u>Location</u>		<u>Pb%</u>	<u>Ag</u> oz./ton ppm	<u>Au</u> oz./ton ppb	<u>Description</u>
47070	2+00mS	5+50mE		1.1	120	Quartz vein and granodior- ite
47071	"	"		3.2	320	Quartz vein
47072	"	"		0.5	40	Silicified granodiorite
47073	"	"		21.0	2550	Quartz vein

4. GEOPHYSICS

4.1 VLF-EM Survey

4.1.1 Instrument and Survey Techniques

A Geonics EM-16 unit was used to carry out a VLF-Survey over exposed quartz veins to determine its potential for outlining unexposed veins. The 24.8kHz Seattle, Washington submarine transmitting station was used throughout the survey with in-phase and quadrature readings taken in a northwesterly direction (340°) to insure that south dips would be indicated as negative readings by the instrument. The in-phase dip angle readings were later converted by means of the Fraser filtering techniques (Fraser, 1969) to data which could be contoured.

Readings were taken at 50 metre intervals along east-west and north-south lines.

4.1.2 Presentation and Discussion of Results

Results are shown on Map 4.1.2. The survey proved to be ineffective as the exposed quartz veins were not delineated and the only conductor identified was confined to one station.

5. CONCLUSIONS

The following conclusions have been drawn from the results of the present programme:

- 1) Mineralized quartz veins within the granodiorite contain up to .254 oz./ton Au, .84 oz./ton Ag and .44% Pb.
- 2) Au and Ag mineralization seems to be restricted to quartz veins and the granodiorite wallrock.
- 3) Anomalous Pb values in soils occur over exposed quartz veins containing Au and Ag indicating that Pb may be a good pathfinder element for Au and Ag mineralization in this area.
- 4) Anomalous Pb and Au values occur in soils over unexposed rock and may indicate additional mineralized veins.
- 5) The EM-16 is not an effective tool for discovering unexposed quartz veins in this area.

6. RECOMMENDATIONS

The following work is recommended for the property:

1. Investigation of Au and Pb soil anomalies where the source is unknown.
2. Detailed prospecting and geologic mapping at a scale of 1:10,000.
3. Soil sampling over the entire property, analysing for Pb.

Respectfully submitted,

J.C. Ridley

J.C. Ridley

Project Geologist



A. Troup
A. Troup, P.Eng.

Project Consultant

STATEMENT OF QUALIFICATIONSJ.C. RIDLEY, B.SC.Academic

1978	B.A. Geography	University of Western Ontario
1981	B.Sc. Geology	University of British Columbia

Practical

1981 - Present	Mark Management Ltd. Vancouver, B.C.	Project Geologist. Involved with geological, geochemical and geophysical aspects of precious metals exploration in B.C.
1980 - 1981	Utah Mines Vancouver, B.C.	Temporary Summer and part-time Winter Geologist in Charge of mapping and diamond drilling of a coal property in N.E. B.C. logging of rotary drilling chip samples on another coal property in N.E. B.C.
1979	Utah Mines Vancouver, B.C.	Temporary Summer. Reconnaissance and detailed mapping, logging of diamond drill core on coal properties in N.E. B.C.

COSTS STATEMENT
NORTHPORT GOLD CLAIMS
GEOLOGY, GEOPHYSICS, AND GEOCHEMISTRY
9 - 17 AUGUST 1982

SALARIES & WAGES

2 pers, 18 man days @ \$67 \$1,206.00

BENEFITS @ 20% 241.20

FOOD & ACCOMMODATION

2 pers, 18 man days @ \$17.19 309.42

SUPPLIES 72.80

FUEL 119.51

RENTAL EQUIPMENT

Gabriel field equipment, 18 man days @ \$6	\$108.00	
Gabriel 4WD Bronco, 9 days @ \$40	360.00	
1,299 km @ \$0.15	194.85	
Gabriel EM16, 18 days @ \$25	<u>450.00</u>	1,112.85

GEOCHEMICAL ANALYSES (Chemex Labs)

88 soils for PB, AU @ \$7.87	\$692.56	
13 rocks for CU, PB, AG, AU @ \$9.43	122.59	
2 rocks for PB, AG, AU @ \$14.75	<u>29.50</u>	844.25

CONSULTANT'S FIELD ASSISTANCE (Holcapek Engineering)

9 - 12 Aug. 975.65

REPORT PREPARATION 2,168.18

TOTAL \$7,049.86
=====

COSTS APPORTIONED
TO CLAIMS

<u>CLAIM</u>	<u>RECORD</u>	<u>UNITS</u>	<u>AMOUNT</u>
GOLD 1	664 JUL	12	\$3,524.93
GOLD 2	665 JUL	12	<u>3,524.93</u>
			\$7,049.86
			=====



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : ARBOR RESOURCES INC.

1500-675 WEST HASTINGS
VANCOUVER, B.C.
V6B 1N2

** CERT. # : A8212992-C01-
INVOICE # : I8212992
DATE : 1-SEP-82
P.C. # : NONE

ATTN: J.C. RIDLEY

Sample description	Prep code	Cu ppm	Pb ppm	Ag ppm	AU-AA ppb		
47059	205	700	--	21.0	3100	--	--
47060	205	50	--	0.2	20	--	--
47061	205	--	--	0.1	<10	--	--
47063	205	--	--	3.9	2000	--	--
47065	205	--	--	--	80	--	--
47066	205	--	--	0.3	10	--	--
47067	205	--	--	0.1	<10	--	--
47068	205	--	4	0.2	<10	--	--
47069	205	--	--	3.7	<10	--	--
47070	205	--	--	1.1	120	--	--
47071	205	--	--	3.2	320	--	--
47072	205	--	--	0.5	40	--	--
47073	205	--	--	21.0	2550	--	--



Certified by *Hart Bichler*



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CANADA V7J 2C1

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• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : ARBOR RESOURCES INC.

** CERT. # : A8212993-001-
INVOICE # : 18212993
DATE : 1-SEP-82
P.C. # : NONE

1500-675 WEST HASTINGS
VANCOUVER, B.C.
V6B 1N2

ATTN: J.C. RIDLEY

Sample description	Prep code	Pb ppm	AU-AA ppb				
05 0E NOT L.C.P.	201	34	<10	--	--	--	--
05 0+50E	201	51	100	--	--	--	--
05 1+00E	201	139	<10	--	--	--	--
05 1+46E	201	176	<10	--	--	--	--
05 2+00E	201	47	<10	--	--	--	--
05 2+50E	201	51	<10	--	--	--	--
05 3+00E	201	65	<10	--	--	--	--
05 3+50E	201	31	<10	--	--	--	--
05 4+00E	201	21	<10	--	--	--	--
05 4+50E	201	108	<10	--	--	--	--
05 5+00E	201	197	<10	--	--	--	--
05 5+50E	201	55	<10	--	--	--	--
05 6+00E	203	61	<10	--	--	--	--
05 6+50E	217	19	<10	--	--	--	--
05 7+00E	203	96	<10	--	--	--	--
05 7+50E	203	105	<10	--	--	--	--
05 8+00E	201	119	<10	--	--	--	--
05 8+50E	201	60	<10	--	--	--	--
05 9+00E	201	63	<10	--	--	--	--
05 9+50E	203	58	<10	--	--	--	--
05 10+00E	201	27	<10	--	--	--	--
05 0+00W L.C.P.	203	47	<10	--	--	--	--
05 0+50W	203	46	<10	--	--	--	--
05 1+00W	201	26	<10	--	--	--	--
05 1+50W	203	90	<10	--	--	--	--
05 2+00W	201	16	<10	--	--	--	--
05 2+50W	201	19	<10	--	--	--	--
9+00E 1+50E	217	61	<10	--	--	--	--
5+70E 1+90S	217	295	<10	--	--	--	--
6+00E 1+90S	203	47	<10	--	--	--	--
6+50E 1+90S	203	325	<10	--	--	--	--
7+00E 1+90S	201	34	<10	--	--	--	--
7+50E 1+90S	201	146	<10	--	--	--	--
8+00E 1+90S	203	270	<10	--	--	--	--
3+50E 1+90S	201	51	<10	--	--	--	--
9+50E 1+90S	201	16	<10	--	--	--	--
10+00E 1+90S	217	34	<10	--	--	--	--
15N 0W	201	23	<10	--	--	--	--
15N 0+50W	201	20	<10	--	--	--	--
15N 1+00W	201	51	<10	--	--	--	--

Hart Buchler

Certified by



CHEMEX LABS LTD.

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TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : ARBOR RESOURCES INC.

** CERT. # : A8212993-002-A
INVOICE # : I8212993
DATE : 1-SEP-82
P.C. # : NONE

1500-675 WEST FASTINGS
VANCOUVER, B.C.
V6B 1N2

ATTN: J.C. RIDLEY

Sample description	Prep code	Pb ppb	AU-AA ppb				
15N 1+50W	201	38	<10	--	--	--	--
15N 2+00W	201	15	<10	--	--	--	--
15N 2+50W	201	17	<10	--	--	--	--
15N 3+00W	201	14	<10	--	--	--	--
15N 3+50W	201	15	<10	--	--	--	--
15N 4+00W	201	9	<10	--	--	--	--
15N 4+50W	201	10	<10	--	--	--	--
15N 5+00W	201	10	<10	--	--	--	--
15N 5+50W	201	36	<10	--	--	--	--
15+03N 5+23W	201	19	<10	--	--	--	--
SET R 50	201	52	10	--	--	--	--
SET R 100	203	49	<10	--	--	--	--
SET R 150	203	46	<10	--	--	--	--
SET R 200	217	140	<10	--	--	--	--
SET R 250	201	24	<10	--	--	--	--
SET R 300	217	40	<10	--	--	--	--
SET R 350	201	47	<10	--	--	--	--
SET R 400	203	76	<10	--	--	--	--
SET R 450	201	15	<10	--	--	--	--
SET R 500	201	53	<10	--	--	--	--
SET R 550	201	12	<10	--	--	--	--
SET R 600	201	19	<10	--	--	--	--
SET R 650	201	18	<10	--	--	--	--
SET R 700	201	52	10	--	--	--	--
SET R 750	201	30	<10	--	--	--	--
SET R 800	203	22	<10	--	--	--	--
SET R 850	201	34	<10	--	--	--	--
SET R 900	201	11	<10	--	--	--	--
SET R 950	201	13	<10	--	--	--	--
SET R 1000	201	15	<10	--	--	--	--
SET R 1050	201	15	50	--	--	--	--
SET R 1100	201	41	<10	--	--	--	--
SET R 1150	201	38	<10	--	--	--	--
#1	201	68	<10	--	--	--	--
#2	217	38	<10	--	--	--	--
#3	201	31	<10	--	--	--	--
#4	217	114	<10	--	--	--	--
#5	217	58	<10	--	--	--	--
#6	217	39	<10	--	--	--	--
#7	201	162	<10	--	--	--	--

Certified by *Hart Bichler*

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : ARBOR RESOURCES INC.

1500-675 WEST HASTINGS
VANCOUVER, B.C.
V6B 1N2

** CERT. # : A8212993-003-A
INVOICE # : 18212993
DATE : 1-SEP-82
P.C. # : NONE

ATTN: J.C. RIDLEY

Sample description	Prep code	Pb ppm	AU-AA ppb				
#8	217	315	<10	--	--	--	--
#9	217	710	<10	--	--	--	--
#10	217	700	20	--	--	--	--
#11	201	76	<10	--	--	--	--
#12	201	31	<10	--	--	--	--
#13	217	115	<10	--	--	--	--
#14	201	46	20	--	--	--	--
#15	201	45	<10	--	--	--	--



CHEMEX LABS LTD.

212 BROOKSBAY
NORTH VANCOUVER
CANADA

TELEPHONE: (604)
TELEX: 04

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO : ARBOR RESOURCES INC.

1500-675 WEST HASTINGS
VANCOUVER, B.C.
V6B 1N2

** CERT. # : A821299
INVOICE # : I821299
DATE : 7-SEP-
P.O. # : NONE

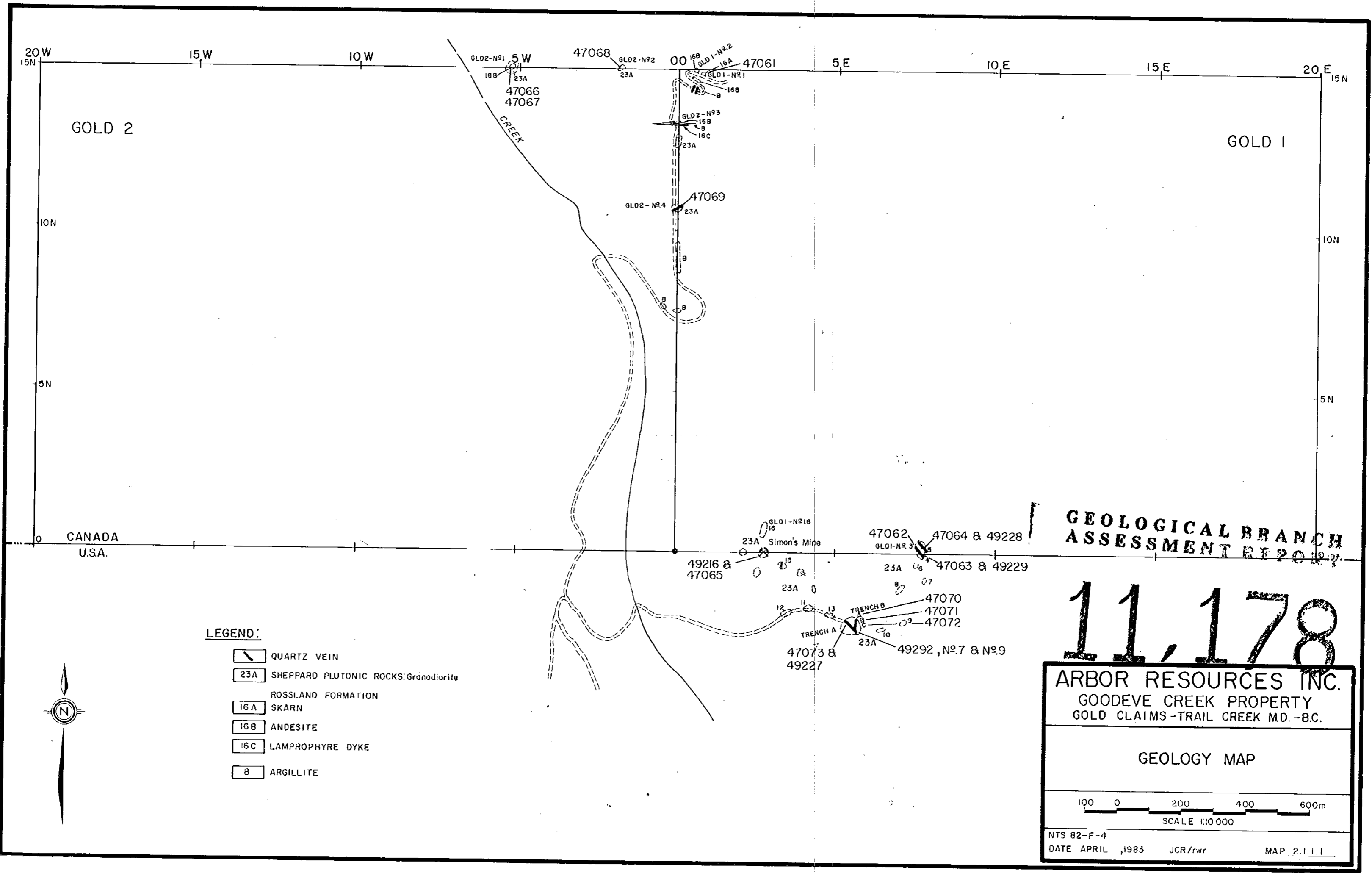
ATTN: J.C. RIDLEY








Sample description	Prep code	Pb %	Ag FA oz/T	Au FA oz/t		
47062	207	0.44	--	0.056	--	--
47064	207	--	0.84	0.010	--	--

.....
Registered Assayer, Province of British Columbia



MEMBER
CANADIAN TESTING
ASSOCIATION



- LEGEND:**
-  QUARTZ VEIN
 -  SHEPPARD PLUTONIC ROCKS: Granodiorite
 -  ROSSLAND FORMATION
 -  SKARN
 -  ANDESITE
 -  LAMPROPHYRE DYKE
 -  ARGILLITE

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

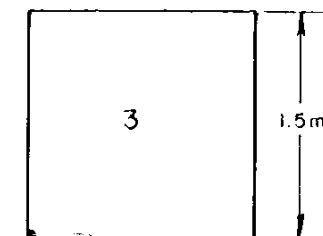
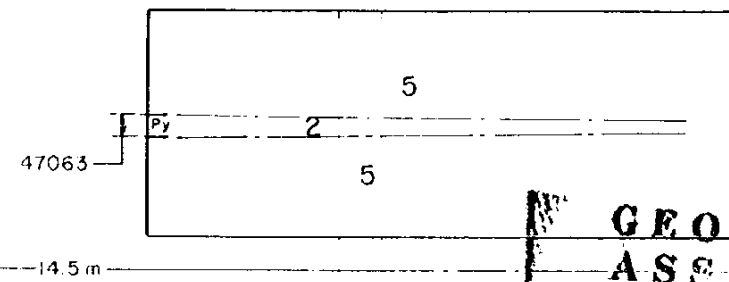
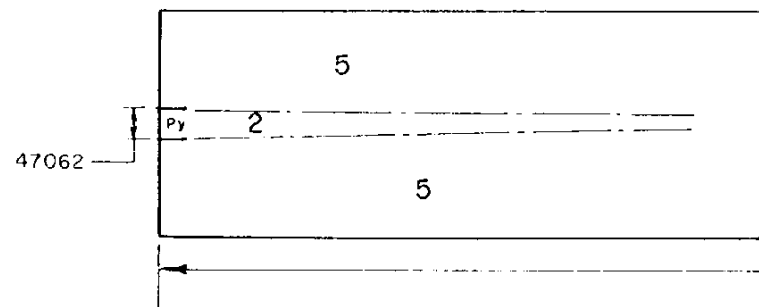
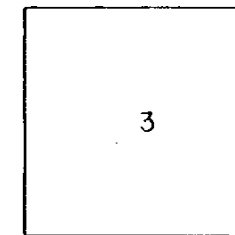
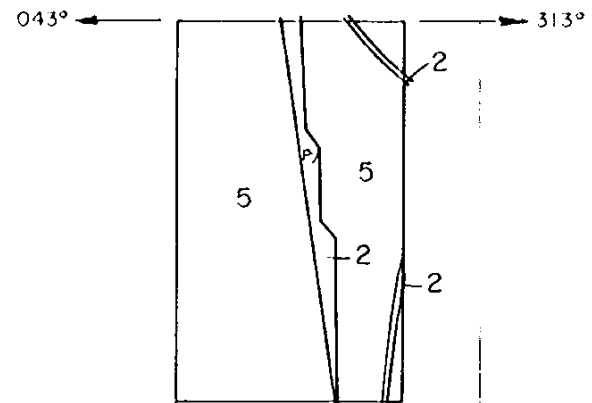
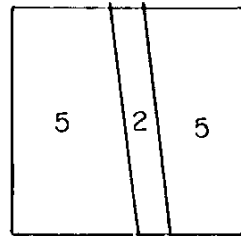
11,178

ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS-TRAIL CREEK M.D.-B.C.

GEOLOGY MAP

100 0 200 400 600m
SCALE 1:10 000

NTS 82-F-4
DATE APRIL, 1983 JCR/rwr MAP 2.1.1.1



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,178

LEGEND:

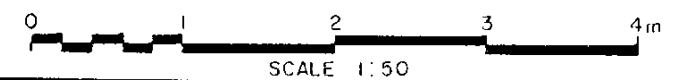
- 2 QUARTZ VEIN
- 3 SAUSERIZED GRANODIORITE
- 5 GRANODIORITE

47062 SAMPLE NUMBER

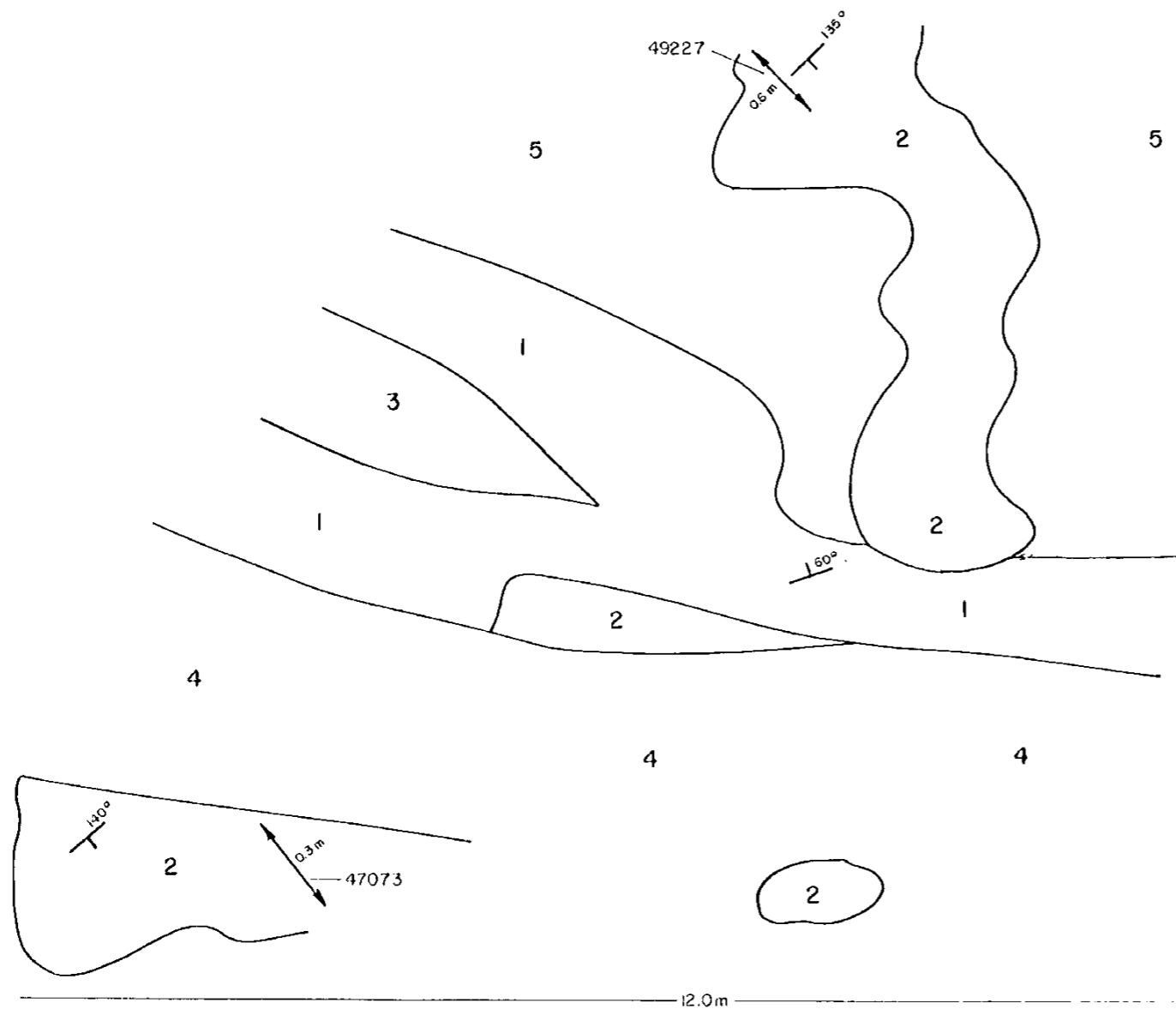
Py PYRITE

ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS-TRAIL CREEK M.D.-B.C.

DETAILED GEOLOGY OF
BORDER TRENCH.



NTS 82-F-4
DATE JUNE 28, 1983 JCR/rwr MAP 2.1.1.2



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,178

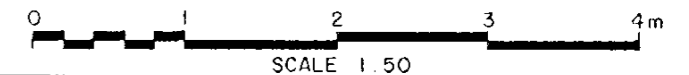
LEGEND

- OUTCROP COVERED
- 1 LAMPROPHYRE DYKE
- 2 QUARTZ VEIN
- 3 SAUSSERIZED GRANODIORITE
- 4 SAUSSERIZED & SILICIFIED GRANODIORITE
- 5 GRANODIORITE

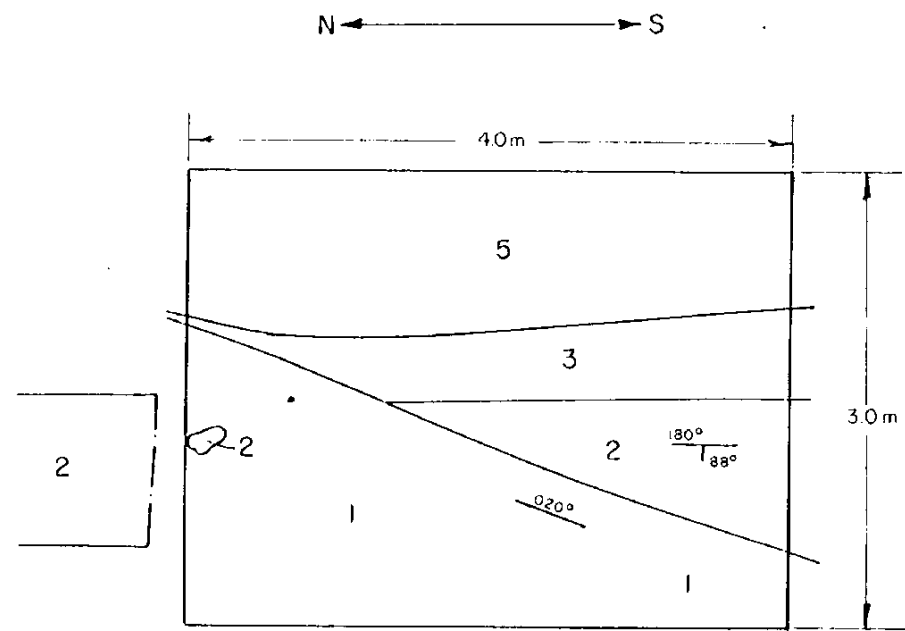
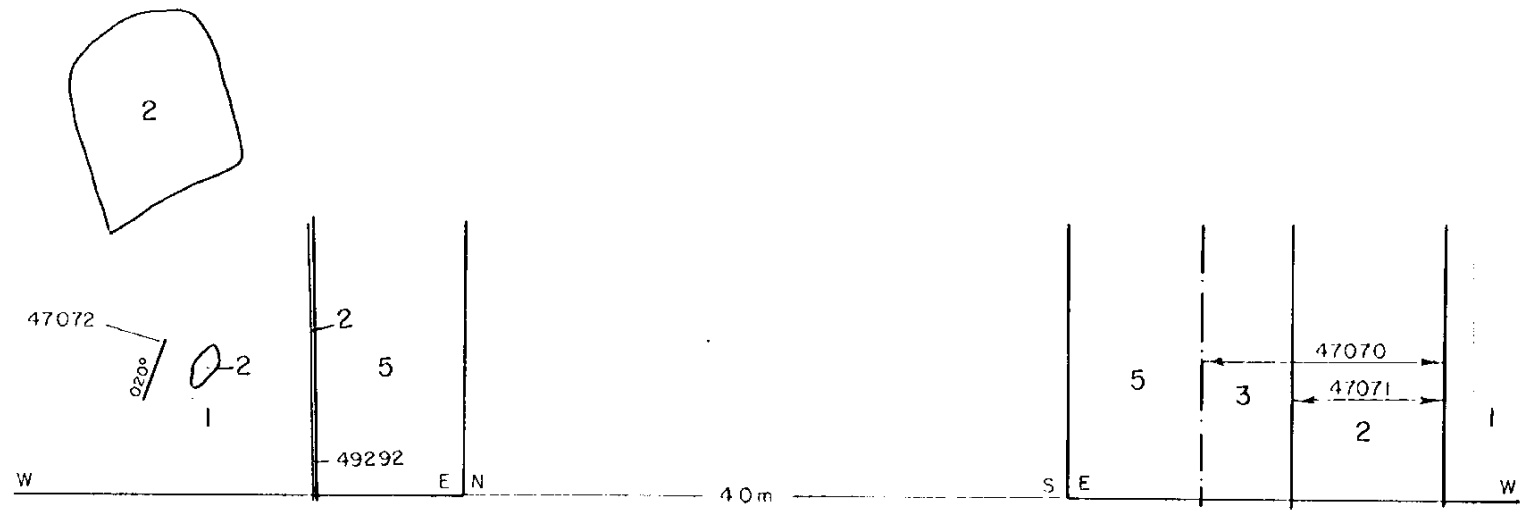
47073 SAMPLE NUMBER

ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS - TRAIL CREEK M.D. - B.C.

S.E. TRENCH "A"



NTS 82-F-4
DATE JUNE 28, 1983 JCR/rwr MAP 2.1.1.3



LEGEND.

- 1 ANDESITE DYKE
- 2 QUARTZ VEIN
- 3 SAUSERIZED GRANODIORITE
- 5 GRANODIORITE

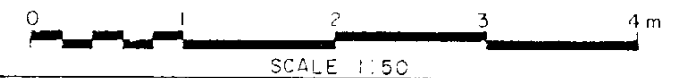
47070 SAMPLE NUMBER

**GEOLOGICAL BRANCH
ASSOCIATION REPORT**

11,178

ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS-TRAIL CREEK M.D.-B.C.

S.E. TRENCH "B"



NTS 82-F-4
DATE JUNE 28, 1983 JCR/rwr MAP 2.1.1.4

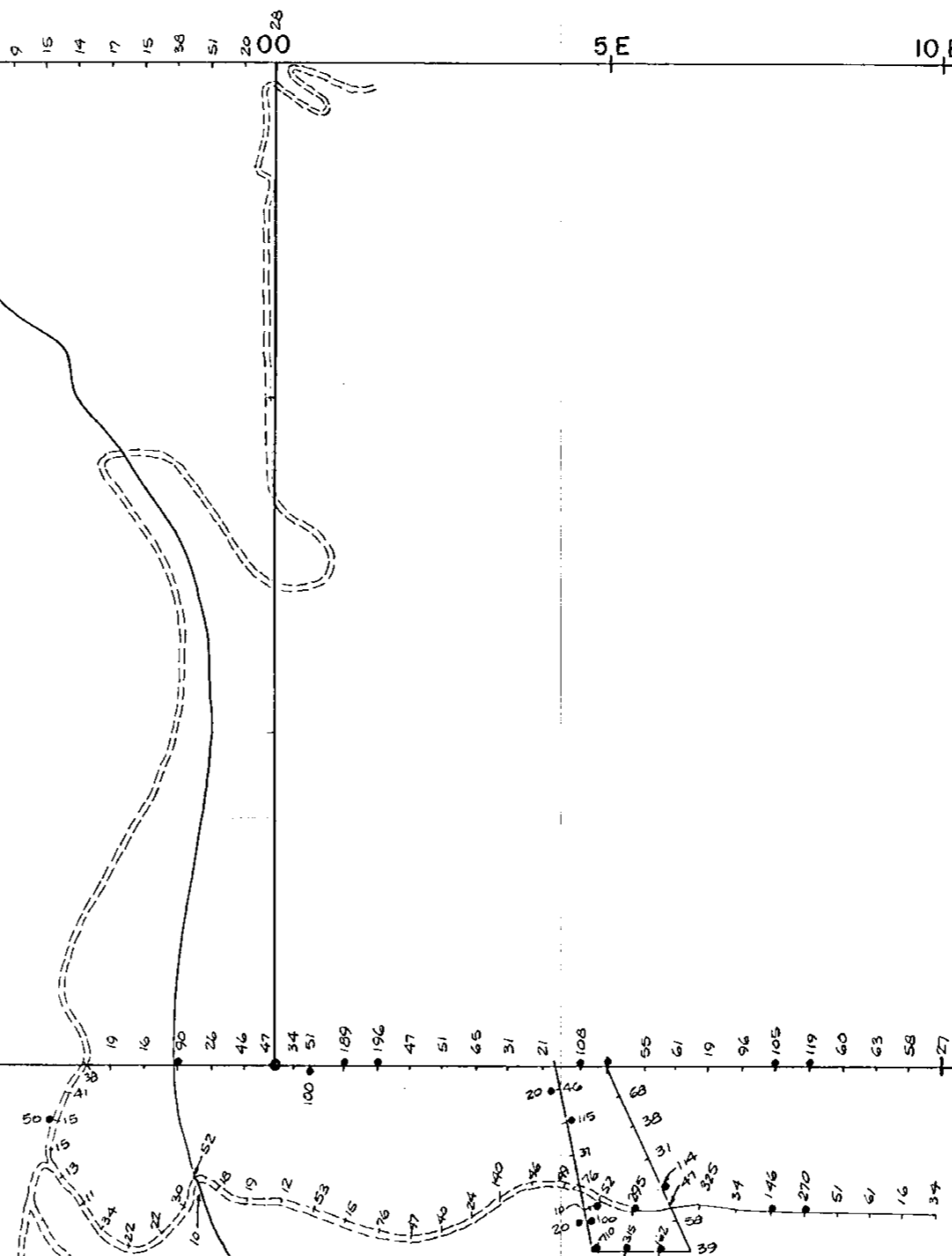
20W 15W 10W 5W 00 5E 10E 15E 20E
 15N 10N 5N 0

GOLD 2

GOLD 1

CREEK

CANADA
 U.S.A.



LEGEND:

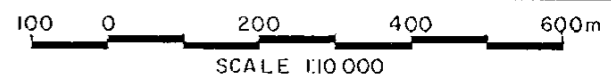
LEAD RESULT IN P.P.M.
 GOLD " " P.P.B.

LEAD
 $\bar{x} + 2S = 85$ P.P.M.
 $\bar{x} + 3S = 150$ "

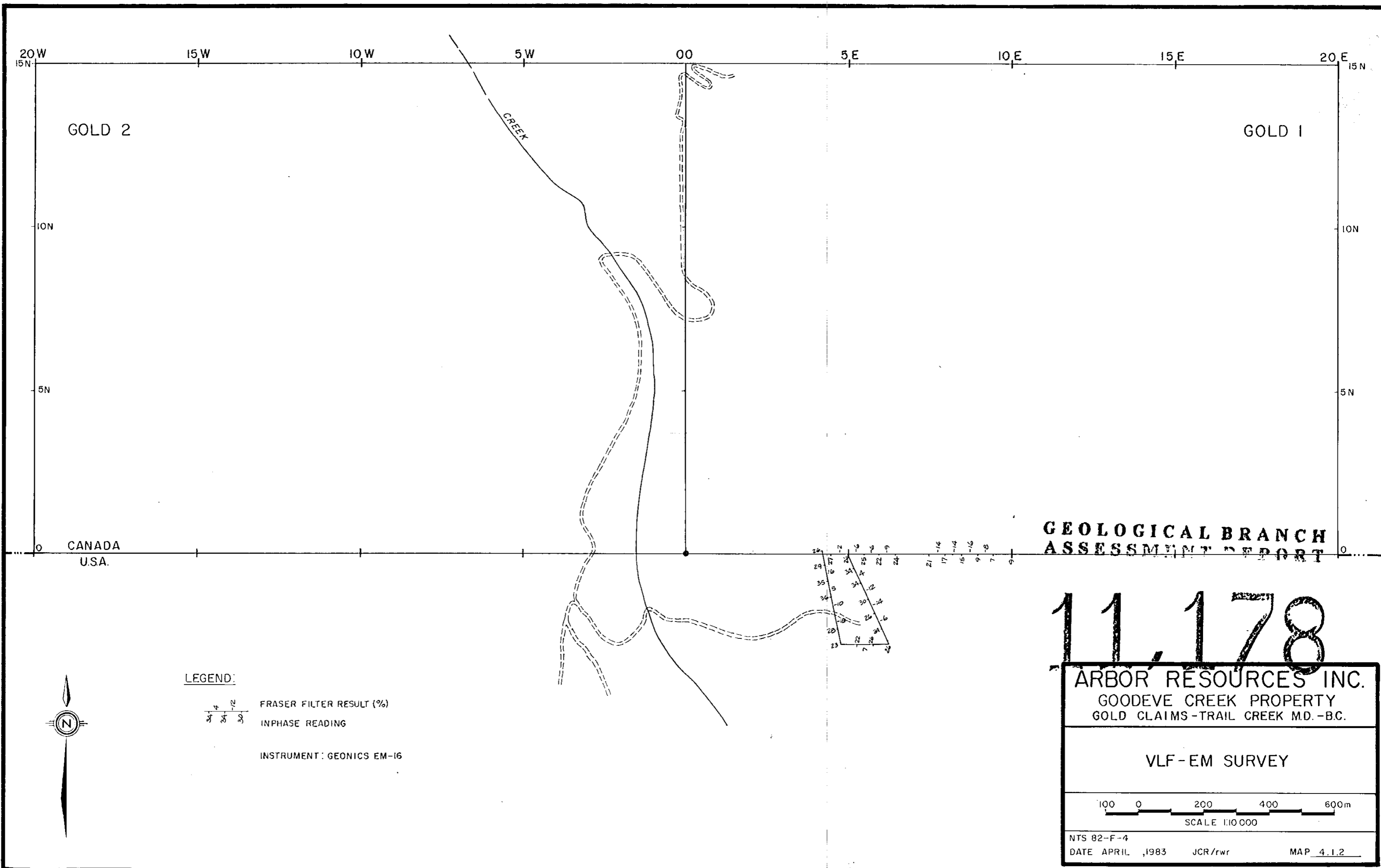
GOLD
 $\bar{x} + 2S = 10$ P.P.B.
 $\bar{x} + 3S = 20$ P.P.B.

ARBOR RESOURCES INC.
 GOODEVE CREEK PROPERTY
 GOLD CLAIMS - TRAIL CREEK M.D. - B.C.

SOIL GEOCHEMISTRY



NTS 82-F-4
 DATE APRIL ,1983 JCR/rwr MAP 3.1.2

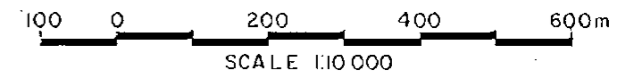


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,178

ARBOR RESOURCES INC.
GOODEVE CREEK PROPERTY
GOLD CLAIMS-TRAIL CREEK M.D.-B.C.

VLF-EM SURVEY



NTS 82-F-4
DATE APRIL ,1983 JCR/rwr MAP 4.1.2

LEGEND:

- FRASER FILTER RESULT (%)
- INPHASE READING
- INSTRUMENT: GEONICS EM-16



CANADA
USA.

GOLD 2

GOLD 1

CREEK

20W 15W 10W 5W 00 5E 10E 15E 20E
15N 10N 5N 0