MAP NO.: 115 I 3	ASSESSMENT REPORT X PROSPECTUS CONFIDENTIAL X OPEN FILE	DOCUMENT NO: 092592 MINING DISTRICT: Whitehorse TYPE OF WORK: Geochemical	

REPORT FILED UNDER: R.A. Granger, B.T. White

DATE PERFORMED: June-October, 1989 **DATE FILED:** 13 December, 1988

LOCATION: **LAT.:** 62°14'N **AREA:** Mt Freegold

LONG.: 137°08'W **VALUE $:** 3 600.00

CLAIM NAME & NO.: GOLDEN FLOAT(YA82046), GOLDEN FLOAT 1-7(YA82055-61) PFG 5-6(YB21223-4), PFG 7-8(YB21531-2)

WORK DONE BY: R.A. Granger

WORK DONE FOR: R.A. Granger & B.T. White

DATE TO GOOD STANDING:

REMARKS: #131 FOSTER

The claims cover an area of gold-bearing float reported by Bostock in 1936. P.F. Guder bulldozed two trenches in 1975 which exposed felsite breccia cemented by quartz and chalcedony. 36 soil samples were taken in 1988. No anomalous results were reported.

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

092592

M.R. file no.	
R.M.M.R. file no.	
Date forwarded	13 Dec 1988

TRANSMITTAL FORM

From ▶ Mining Recorder at: WHITEHORSE

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Golden Fleet 1-7 PFG 5-8 YA82046 etc — Claim sheet no.: 115I-3

Type of report: Geochemical Exploration — Submitted by: R. A. GRANGER

Cls. work performed on: Gold Fleet 3,4,6,7, PFG 5,6 YA80557 etc — $ req. for ren. application: $9600.00

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS DEC 13 1988 WHITEHORSE YUKON TERRITORY

Signature

Date returned

REPLY ACTION

Approved for one year required

Signature

802-6027-26 (6-86)

GEOCHEMICAL EXPLORATION

OF

THE GOLDEN FLOAT GROUP OF MINERAL CLAIMS

Located on Claim Map No.115I-3

62o14'N 137o08'W

by

R.A.Granger

June 1988 to October 1988

092592

This report has been accepted by
the Geological Evaluation Section
under Section 53 (4), Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 3600.00

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

TABLE OF CONTENTS

INTRODUCTION:

This report covers a preliminary program of geochemical testing, mapping and bulldozer work carried out by Ron A.Granger on a group of mineral claims in the Mt.Freegold area of Yukon Territory during 1988.

The report has been compiled and written by R.A.Granger for submission to the Mining Recorder of the Whitehorse Mining Division to satisfy assessment work requirements for the Golden Float and PFG quartz claims.

The work was carried out during the period June 1988 to October 1988 by the following persons:

Granger,R.A.	prospector	48 Tamarack Drive Whitehorse,Yukon.Y1A 4Y6
Granger,B.D.	dozer operator	same

WORK DONE:

1)local geology, prospecting and mapping.

2)2 km sampled at 25-100 meter spacing for 36 samples.

3)sample analysis, 36 samples analysed for

Au,Ag,As,Cu,Mo,Pb,Sb,Zn & Hg.

4)report and maps.

5)bulldozer work.

PROPERTY:

The property consists of twelve Quartz Mining Claims named Golden Float,YA82046; Golden Float 1-7,YA82055-61; PFG 5&6,YB21223&24 and PFG 7&8,YB21531&32.

The claims are held by Bradley T.White and Ron A.Granger, both of Whitehorse, Yukon.

LOCATION:

The claims are located near the headwaters of and between the forks of Foster Creek, a north flowing tributary of Seymour Creek, due south of Mt.Freegold.

Co-ordinates are 62o14'N 137008'W

ACCESS:

The claims are accessed by driving 62 kilometers west from Carmacks on the all-weather Mt.Freegold Road, then south on a rough four wheel drive road which joins Mt.Freegold to the Mt.Nansen mining camp. In the area of the claims the road is under reconstruction because the route of the 1940's period had become impassable to wheeled traffic.

TOPOGRAPHY:

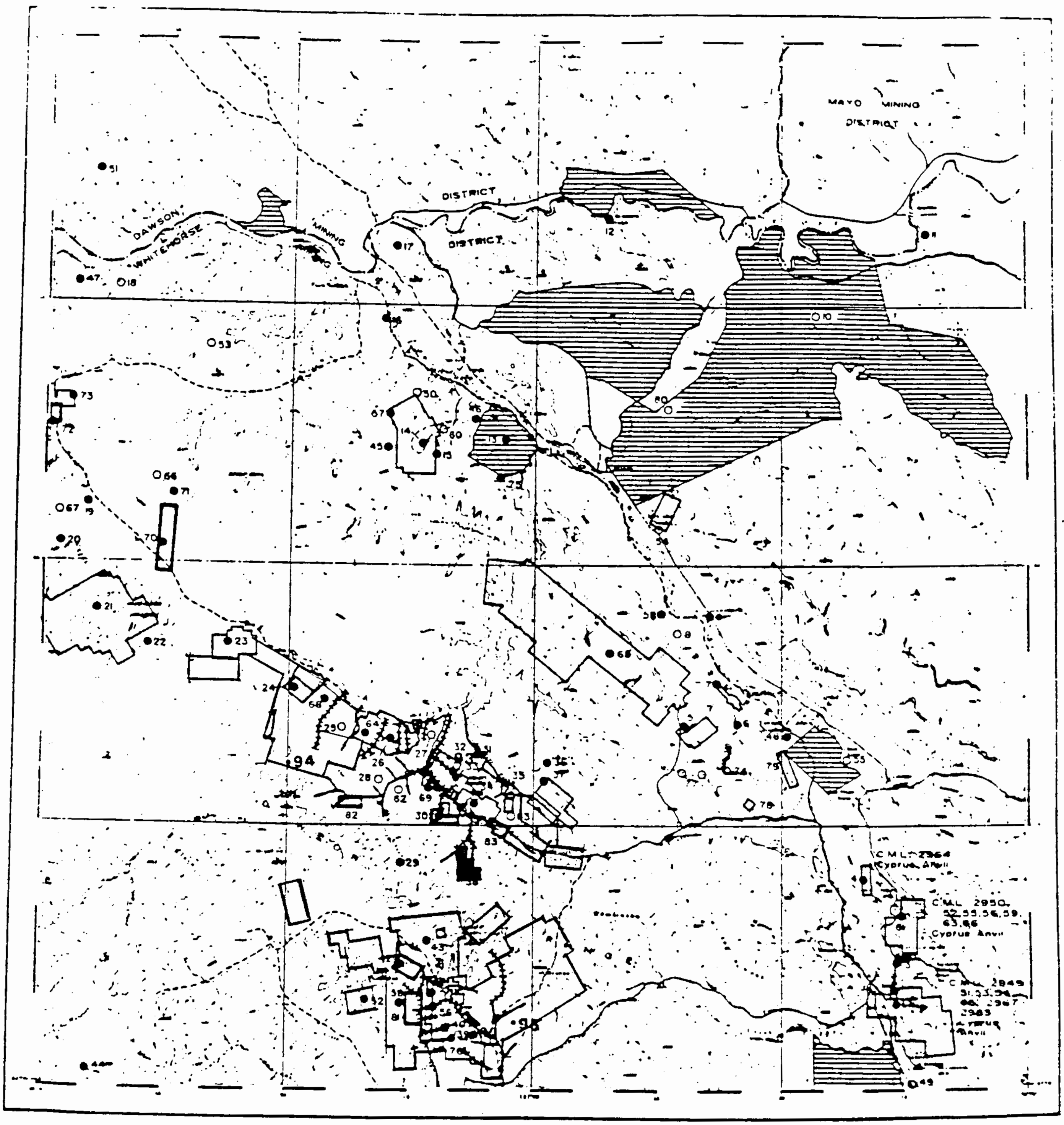
The claims largely cover the top and east side of a north sloping ridge which is broadly rounded, grades becoming steeper than 20o only toward the valley bottoms. Most of the area is permanently frozen except for parts of these steeper slopes. The bulk of the property lies between 3500 and 4000 feet in elevation.

HISTORY:

MEMOIR 209, MINING INDUSTRY OF YUKON,1936 by H.S.Bostock describes efforts by Wm.Thier(Teare),Carl Miller, and associates to locate the source of gold bearing quartz floats. They were unsuccessful in this and work ceased until 1975 when Mr.P.F.Guder dug two trenches with a bulldozer on the upper slope of the ridge.

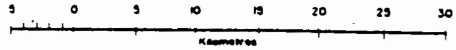
Preliminary Map Only

115 I

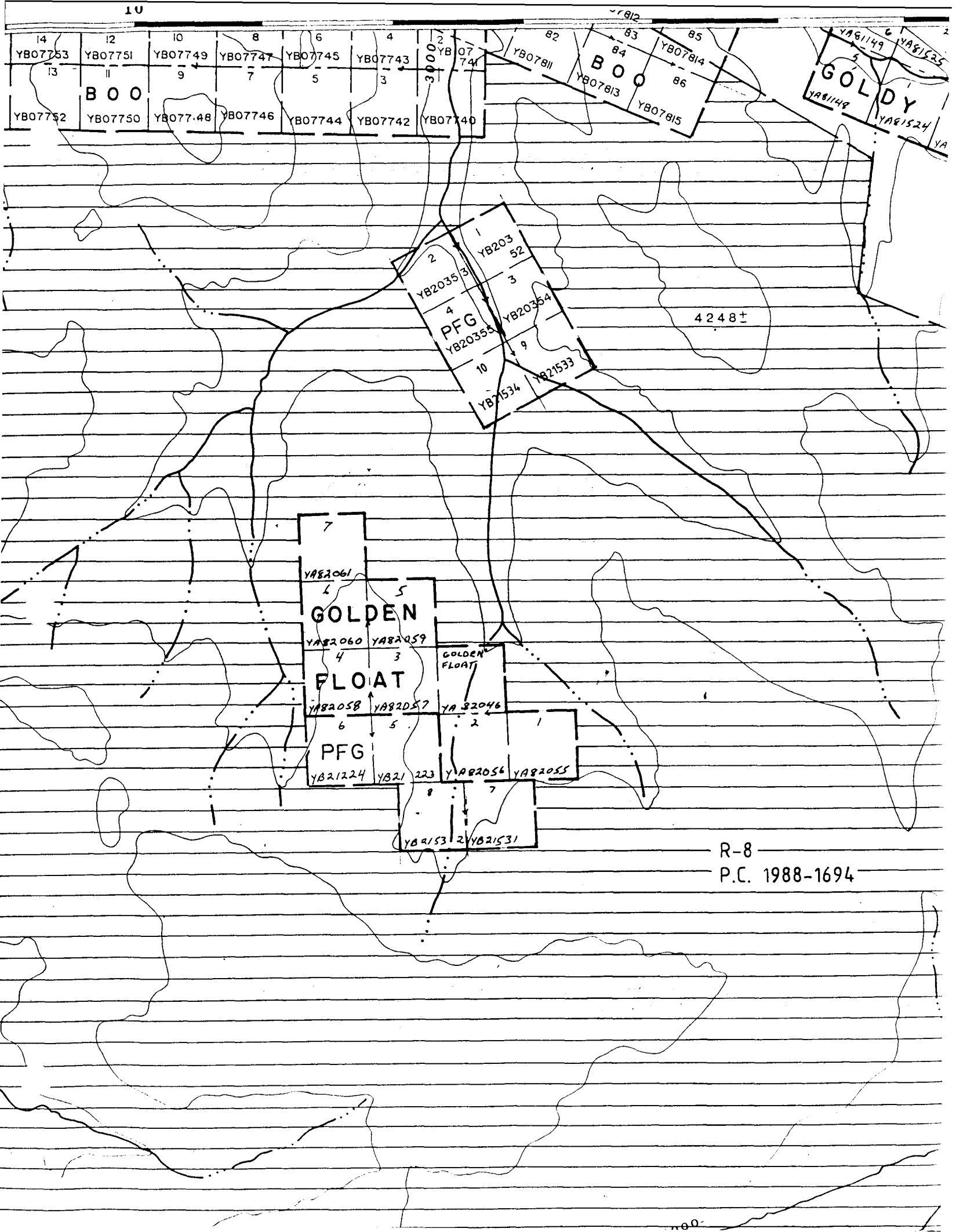


CARMACKS

YUKON TERRITORY



- Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal)
- ● Mineral Deposit or Occurence see Key on facing page
- ○ Unmineralized Target
- Mineral Claims in good standing (Jan. 1984) and staked before Jan. 1983
- Mineral Claims staked in 1983
- Placer Leases in good standing (Jan. 1984)
- Placer Claims in good standing (Jan. 1984)
- CEL Coal Exploration Licence
- CML Coal Mining Lease
- Tote Trail
- Driveable Road
- Oil or Gas Well
- Airstrip


14
YB07753
12
YB07751
10
YB07749
8
YB07747
6
YB07745
4
YB07743
2
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11
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BOO
YB07752
YB07750
YB07748
YB07746
YB07744
YB07742
YB07740
3000
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83
84
YB07813
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YB07814
86
YB07815
BOO
6
YA81149
YA81525
5
GOLDY
YA81148
YA81524
1
YB203
52
2
YB2035
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4
PFG
YB20355
YB20354
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10
YB21534
YB21533
4248±
7
YA82061
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GOLDEN
YA82060
YA82059
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3
GOLDEN FLOAT
FLOAT
YA82058
YA82057
YA82046
6
5
2
1
PFG
YB21224
YB21223
YA82056
YA82055
8
7
YB21532
YB21531
R-8
P.C. 1988-1694

REGIONAL GEOLOGY:

The regional geology of the Carmacks map sheet 115I is most recently revised by D.J.Templeman-Kluit in Open File 1101.

Open File 1987-2 by Gerald G. Carlson contains a detailed map at 1:30,000 scale of map sheet 115I-3, Geology of Mount Nansen.

Table of Formations:

Upper Cretaceous-	basalt flows of the Carmacks group.
	- volcanic sandstone and conglomerate.
	- unconformity.
Mid-Cretaceous	- andesitic plagioclase porphyry and andesite breccia as plugs, pipes and dykes.
	- rhyolite to dacite, quartz feldspar porphyry; dykes and small plugs.
	- intrusive contact.
	- Casino granodiorite; biotite,hornblende granodiorite.
	- intrusive contact.
Jurassic	- hornblende syenite, porphyritic.
	- intrusive contact.
Upper Triassic	- foliated biotite,hornblende granodiorite.
Permian ?	- hornblende,biotite,chlorite gneiss.

LOCAL GEOLOGY:

The south contact of a body of biotite granodiorite cuts across the north part of the claim group in an ESE direction. This is adjoined to the south by a 700 meter wide belt of felsitic rocks cut by numerous syenite porphyry dykes of fine to medium texture. The extreme south part of the claims is underlain by syenite porphyry cut by felsite dykes. This syenite porphyry does not have the appearance of the coarse type seen closer to Mt. Freegold. Near the center of the felsite body there are outcrops of basaltic rock which appears related to the flows which appear just to the south. One outcrop was noted which appeared to be an andesitic agglomerate or breccia.

ECONOMIC GEOLOGY:

The trenches reported on by Bostock in 1936 are near the East Fork of Foster Creek and close to the contact of the granodiorite and his description should be consulted.

Another well prospected zone is found about 400 meters south of this and is essentially parallel to the above features. It is exposed in old trenches along a distance of 600 meters and a vertical interval of 150 meters. The zone consists of well brecciated felsite sealed by more than one type and age of quartz-chalcedony and varies in width from 15 to 40 meters. There is very little sulphide in the trenched material so it doesn't fit the description given by Bostock of the gold bearing quartz.

REGIONAL GEOCHEMISTRY:

An Open File on the silt geochemistry of 115I was released during 1986 and the east fork of Foster Creek was not notable except for an anomalous mercury value of 740 ppb. Only one sample was taken in in the east fork system. Rotary drilling on the main stem of Foster Creek during 1988 encountered some pebbles of cinnabar but only small amounts of placer gold.

LOCAL GEOCHEMISTRY:

During the 1988 field season the author took 36 reconnaissance style soil samples to establish the area most likely to host a gold deposit or respond to further work.

The soil samples were taken by grub hoe and were taken only in areas free of permafrost or where deep penetration through the permafrost occurred during road construction or trenching.

RESULTS OF SURVEY:

No unusual results were obtained in the soil samples taken. The highest results obtained were from the lowest elevations sampled on the previously discovered quartz zones. These results were, however, too low to allow a conclusion to be made about any possible meaning this might have. No indication was found of the gold mineralization reported in 1936, but large gaps exist in the testing where a deposit could still be detected.

RECOMMENDTIONS:

It is recommended that further samples be taken in 1989 between the two known zones of quartz mineralization and along the lower slopes of the intervening mountainside.

ROAD BUILDING:

A D-4E bulldozer was used to upgrade the worst parts of the old road to Mt.Nansen as far as the claim group. Since this resulted in trucks being able to get within a mile of the claims and in all-terrain vehicles being able to traverse the claims to the south boundary, it is recommended that further improvements be left to the recent builders who intend to connect Mt.Nansen to Mt.Freegold with an all-weather road.

The second half of the D-4 trail building work consisted of the bulldozing of 2,300 cubic yards of material along three miles of road and this will be applied as assessment work credits. Earlier work has already been applied. The bulldozer re-established washed out sections and filled in muddy stretches.

APPENDIX

COST OF SURVEYS & BULLDOZING WORK

GOLDEN FLOAT CLAIM GROUP

1988

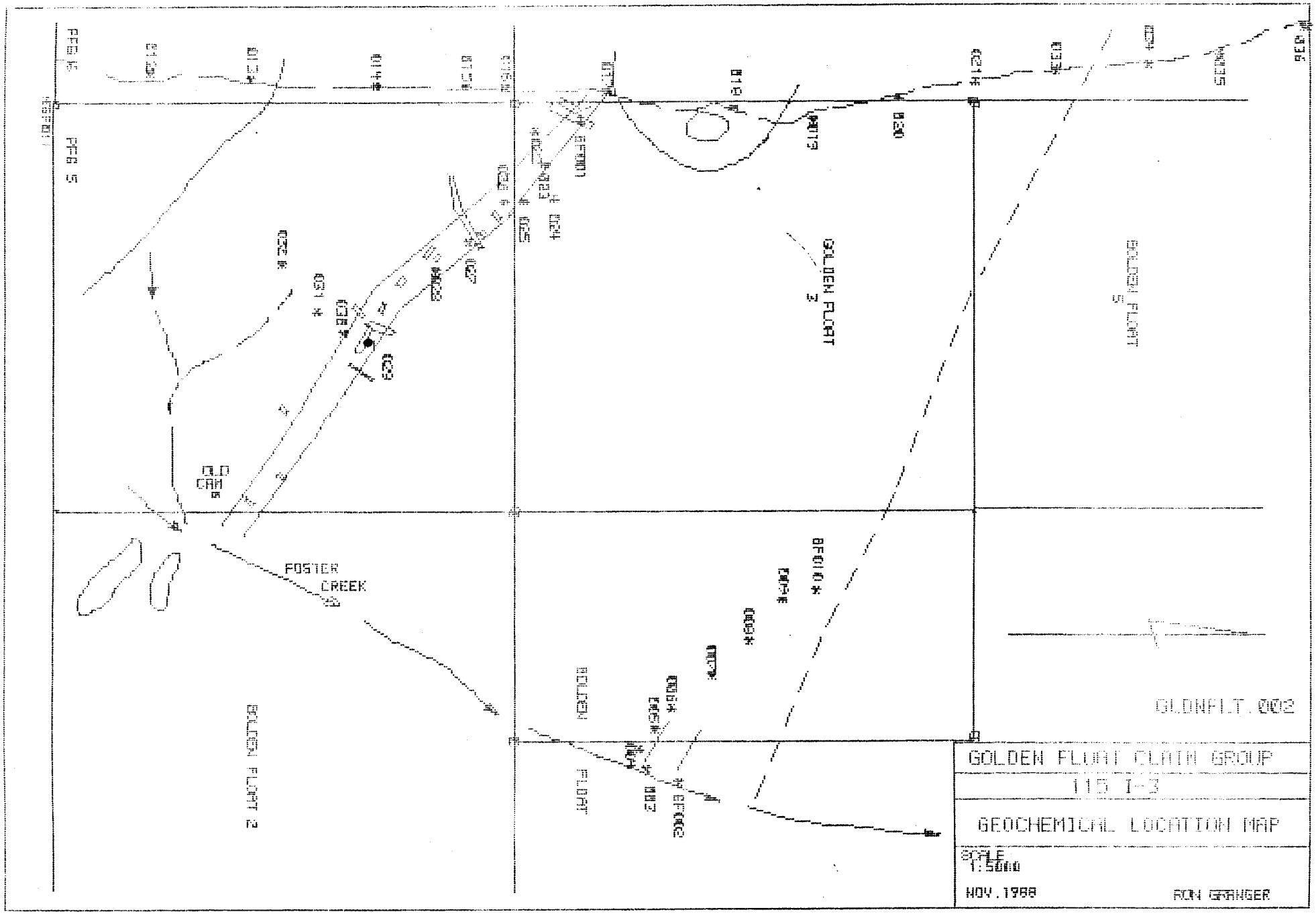
1) Recon geology and prospecting	3 days @ $150	$ 450.00
2) Soil sampling	2 days @ $150	300.00
3) Assaying 36 @ $19.50		738.00
4) Camp & supplies		165.00
5) ATV--4TRAX	10 days @ $ 75	750.00
6) Truck	10 days @ $ 90	900.00
7) Bulldozer	36 hrs @ $ 60	2160.00
8) Receiver General, maps		14.00
9) Office, report & maps		460.00
	TOTAL:	$ 5937.00

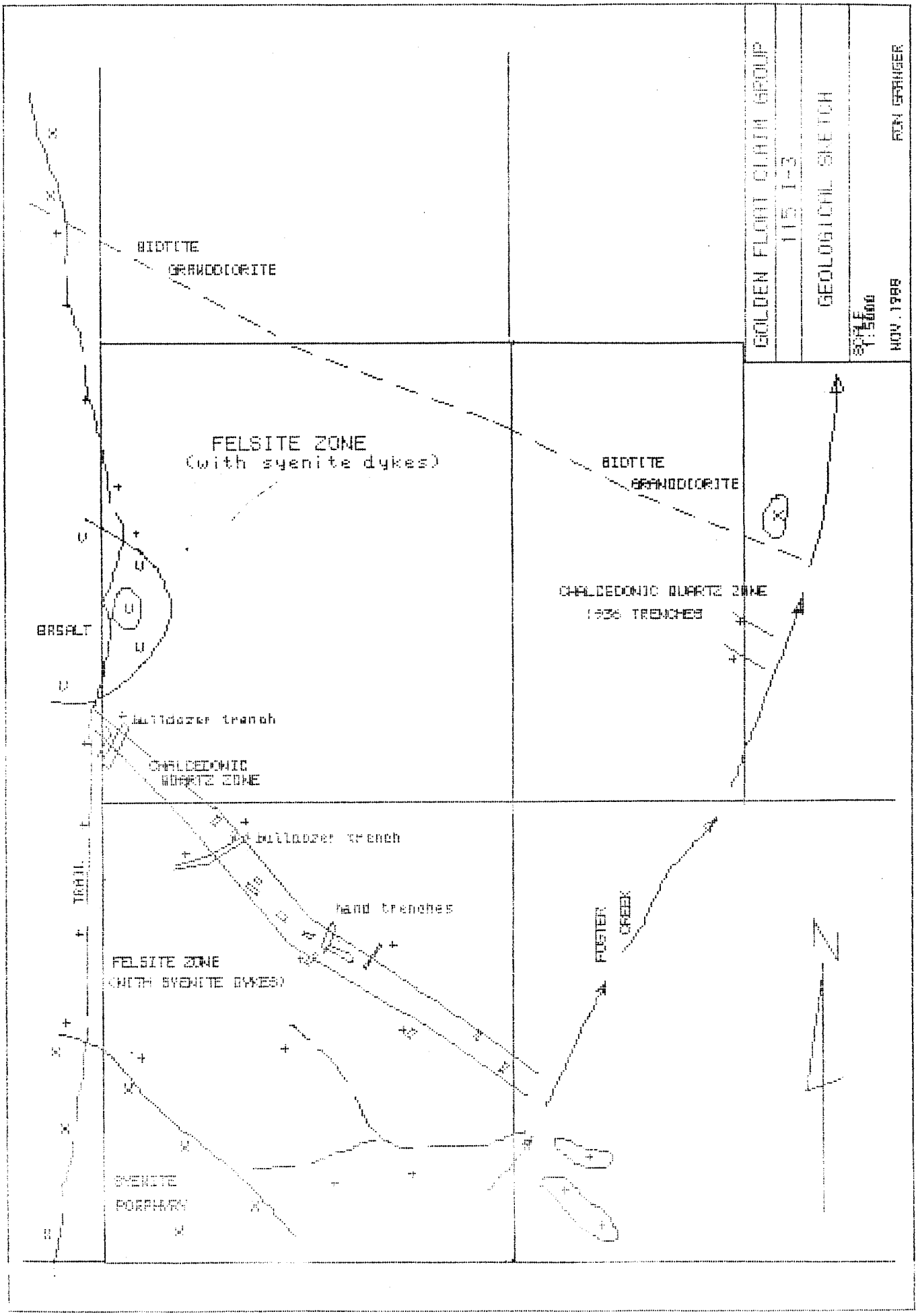
This work has been applied for and distributed.

Signed: 

Ron A.Granger.

Date: 8 Nov.1988.


FOSTER
CREEK
OLD
CAMP
GOLDEN FLOAT 2
GOLDEN FLOAT 3
GOLDEN FLOAT 5
GOLDEN FLOAT
GOLDFLT.002
GOLDEN FLOAT CLAIM GROUP
115 I-3
GEOCHEMICAL LOCATION MAP
SCALE
1:5000
NOV.1988
RON GRANGER


GOLDEN FLEECE CLAIM GROUP
115 1-3
GEOLOGICAL SKETCH
SCALE 1:5000
NOV. 1988
RON GRANGER
BIOTITE GRANODIORITE
FELSITE ZONE (with syenite dykes)
BIOTITE GRANODIORITE
BASALT
CHALCEDONIC QUARTZ ZONE
1936 TRENCHES
bulldozer trench
CHALCEDONIC QUARTZ ZONE
bulldozer trench
hand trenches
TRAIL
FELSITE ZONE (WITH SYENITE DYKES)
FOSTER CREEK
SYENITE PORPHYRY

& Company Ltd.
erton Ave.
ancouver, B.C.
da V7P 2R5
one: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-01680.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. RON GRANGER

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

DATE PRINTED: 7-SEP-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 30g	Gold 30 grams	36	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Au/wt	Sample weight/grams	36	0.1 G		
3	Ag	Silver	36	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	As	Arsenic	36	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Cu	Copper	36	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Mo	Molybdenum	36	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Pb	Lead	36	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Sb	Antimony	36	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Zn	Zinc	36	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Hg	Mercury	36	5 PPB	HNO3-HCL HOT EXTR	Cold Vapour AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	36	1 -80	36	DRY, SIEVE -80	36

REPORT COPIES TO: MR. RON GRANGER

INVOICE TO: MR. RON GRANGER

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-06801.0 PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Au/wt G	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB	
S1 GF001		<5	30.0	<0.5	24	10	<1	11	<5	52	40	soil trench
S1 GF002		> 13	9.0	0.6	12	18	5	36	<5	39	110	pump tr.
S1 GF003		> 10	12.0	0.9	28	15	3	25	<5	41	70	" "
S1 GF004	↓	<5	18.0	<0.5	49	11	4	20	<5	44	30	
S1 GF005		> 18	15.0	0.6	95	9	<1	5	7	41	30	
S1 GF006	up	> 5	22.0	<0.5	23	7	3	9	<5	45	30	
S1 GF007	hill	<5	30.0	<0.5	20	15	<1	7	<5	42	10	
S1 GF008		<5	25.0	<0.5	23	11	2	10	<5	36	30	
S1 GF009		<5	30.0	<0.5	<5	8	<1	10	<5	41	10	
S1 GF010	end	<5	17.0	0.8	<5	9	2	9	8	57	20	
S1 GF011		<5	24.0	<0.5	23	37	<1	14	<5	65	20	
S1 GF012		<5	30.0	0.9	50	31	1	<5	<5	66	35	
S1 GF013		<5	30.0	0.7	46	21	<1	9	6	67	20	
S1 GF014		<5	27.0	<0.5	8	35	2	24	<5	73	20	
S1 GF015		<5	16.0	0.9	30	19	<1	20	<5	90	35	
S1 GF016		> 6	30.0	<0.5	12	14	<1	14	<5	44	15	
S1 GF017		<5	30.0	<0.5	6	17	<1	11	<5	43	15	
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S1 GF019		<5	26.0	0.7	22	12	<1	22	11	86	10	
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S1 GF025		<5	25.0	<0.5	47	22	<1	11	6	72	30	
S1 GF026		<5	25.0	<0.5	31	20	<1	12	8	72	20	
S1 GF027		<5	15.0	<0.5	22	19	2	22	<5	81	15	
S1 GF028		> 9	10.0	<0.5	41	12	2	16	<5	61	15	
S1 GF029		> 18	5.0	0.6	45	43	<1	57	8	130	260	handtrench
S1 GF030		<5	30.0	<0.5	30	24	<1	11	<5	66	20	
S1 GF031		<5	20.0	0.5	<5	12	<1	7	<5	52	35	
S1 GF032		<5	30.0	<0.5	8	19	<1	7	<5	45	30	
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S1 GF036		<5	30.0	<0.5	20	44	<1	15	<5	74	15	