

YHIP

96 021

1996

IM

**Summary of Work
Ruby Creek Area
Yukon Territory, N.T.S. 115 H/4**

for

**Yukon Mining Incentives Program
Economic Development
Government of the Yukon
Box 2703, Whitehorse, Yukon Y1A 2C6**

File Number 96-02\

**John Peter Ross, Prospector
December, 1996**

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Chapter One: INTRODUCTION

1.1 Introductory Statement

The Ruby Creek (HOPE claim group) area, map sheet 115 H/4, was chosen because;

1. In 1994 the HOPE 1-20 claims were staked. In 1995 the HOPE 21-56 claims were staked.
2. One rough float sample was found in 1994. It assayed Au-0.730 oz/t, Ag-7.1 ppm, As-64ppm. The rock was cut and 2 pieces of visible gold were found. In 1995, 6 anomalous float samples on a trend were found. These samples assayed up to 1,619 ppb Au and up to 737 ppm As.
3. Three of four silt samples taken in 1994 were highly anomalous. In 1995 silt samples were not taken because of extremely high water flows in the creek.
4. Rough, angular, coarse (some crystalline) gold is present in an economical gold placer in Ruby Creek. This suggests a local source.
5. The area may be similar to the Killer Gold project area, 6 km to the northeast.

1.2 Location And Access

Access was by helicopter, about 42 miles (68 km) northwest of Haines Junction.

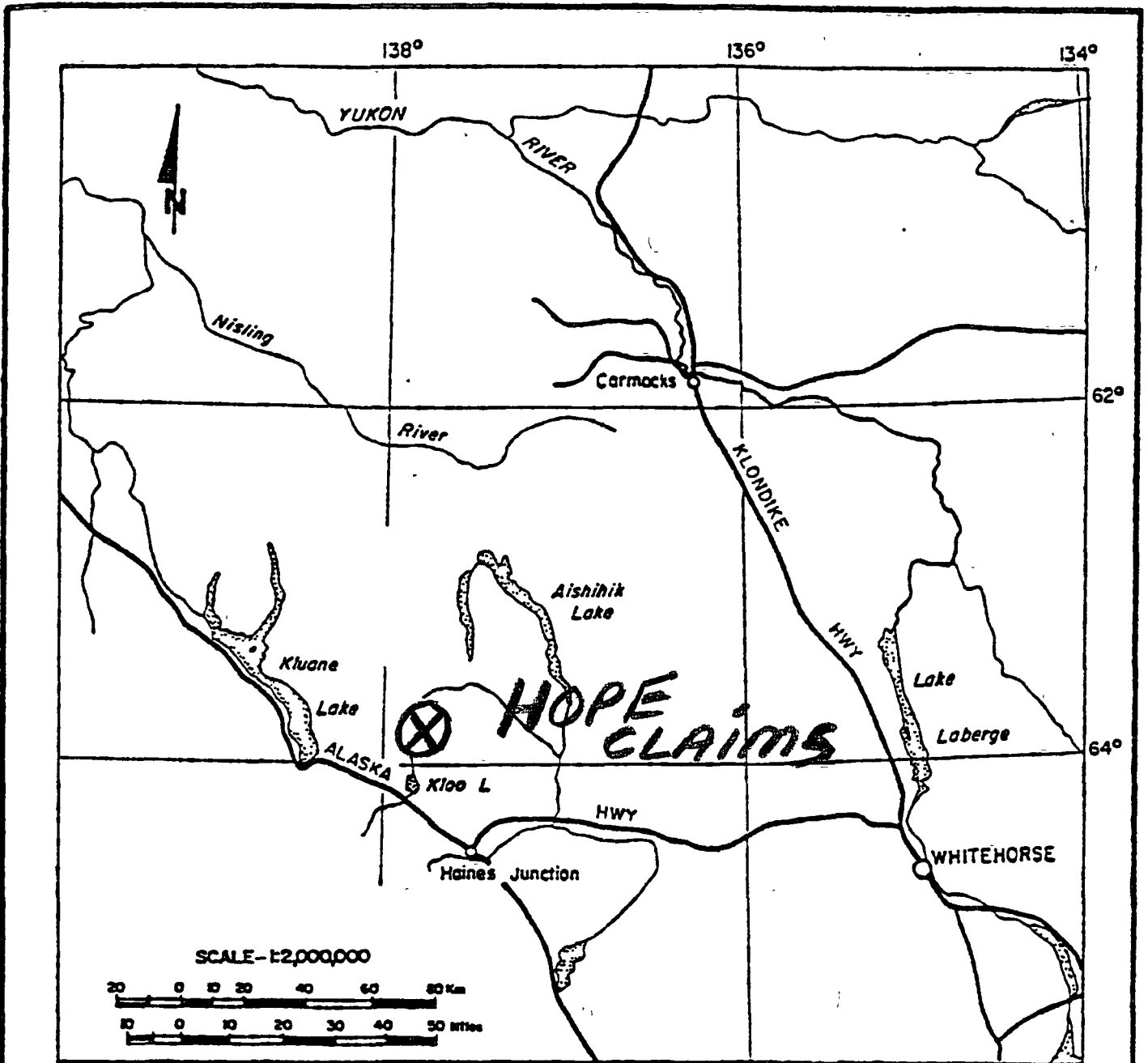
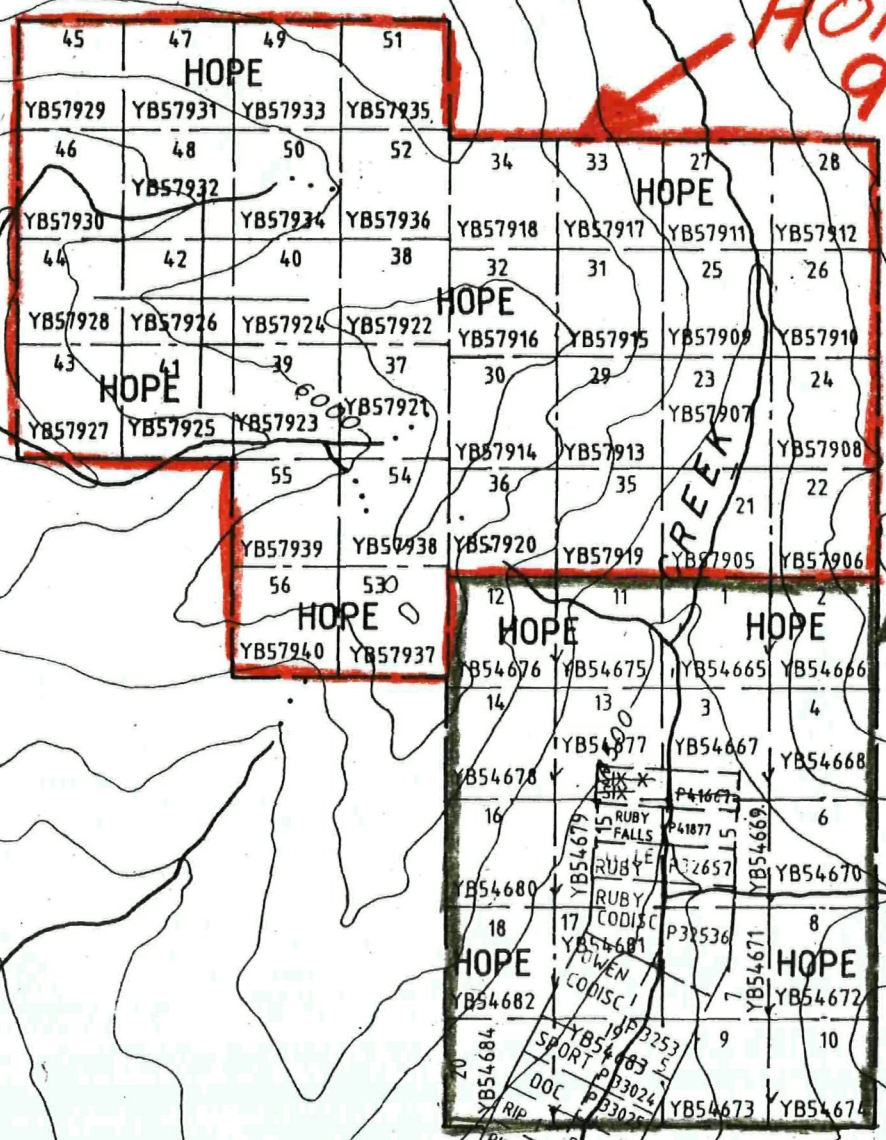


FIGURE # 1
 LOCATION MAP
 HOPE 1-20 (1994)
 HOPE 21-56 (1995)
 CLAIMS



HOPE
95 CLAIMS

HOPE
94 CLAIMS

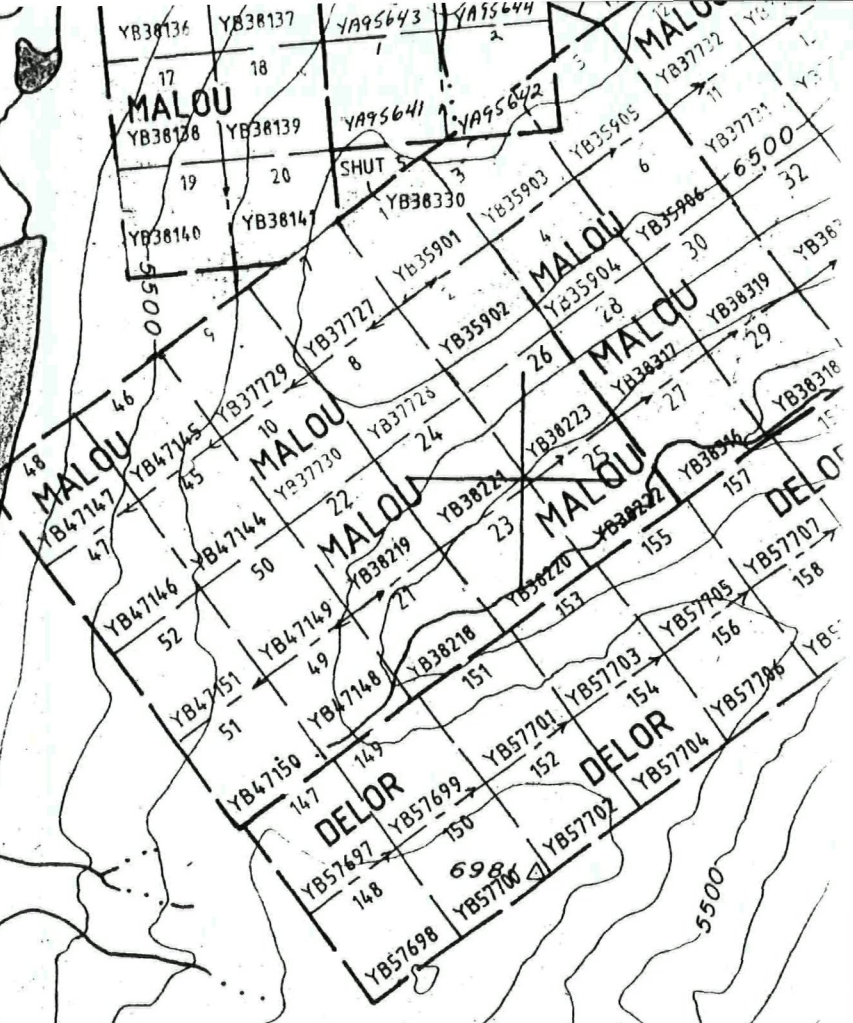
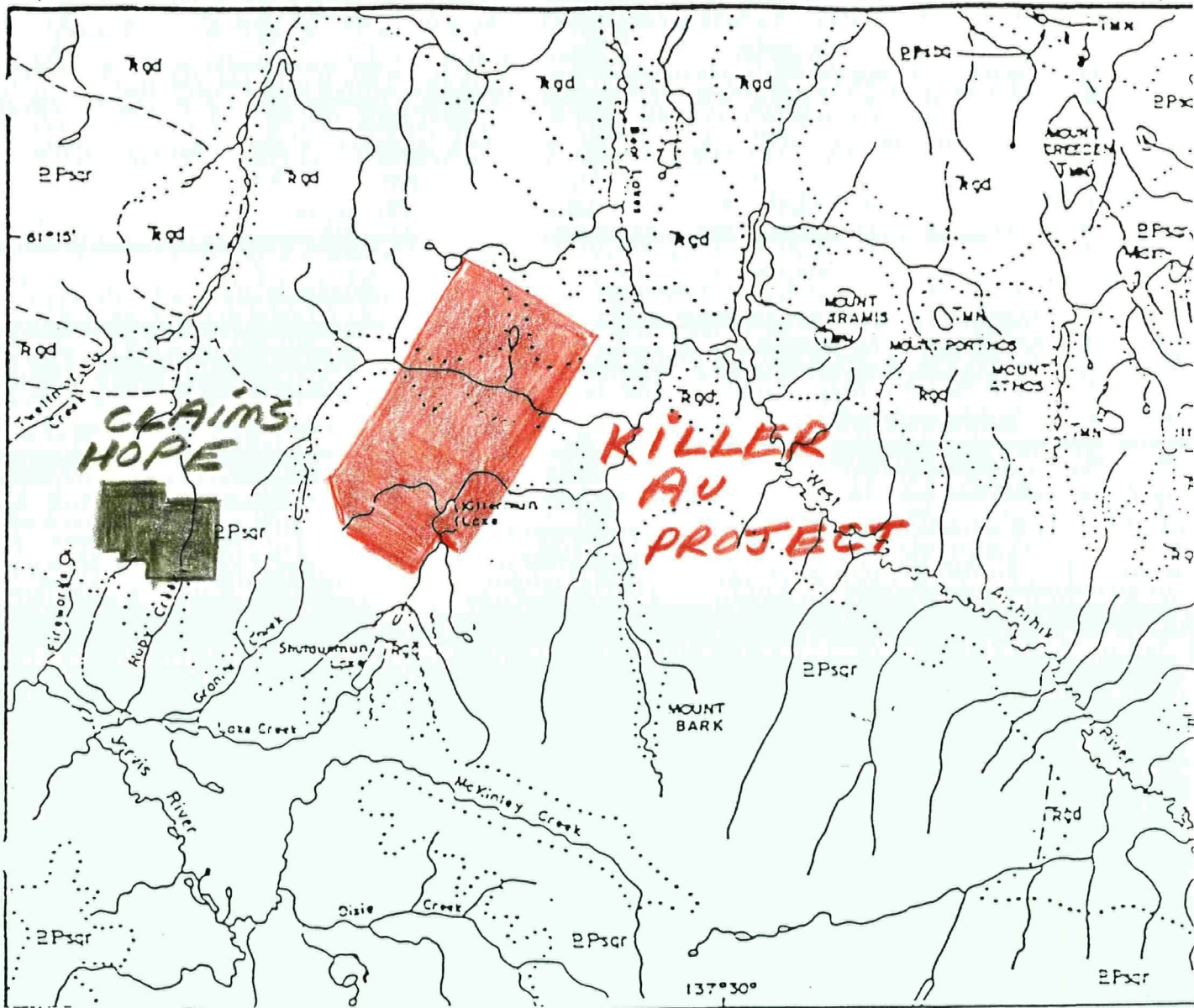


FIGURE # 2
CLAIM LOCATION MAP
WH. MINING DIST
NTS-115 H 4
DATE 18 NOV 1996
DRAWN by JP ROSS
SCALE 1:31,680

S-364B S-365B

GRANITE

SHUTDOW



EOCENE
 TMN - Mount Nansen Group
 Volcanic Rocks

TRIASSIC
 RGD - Ruby Range Granodiorite

PALEOZOIC
 EPsqr - Hornfelsed Schist
 EPsbq - Biolite Schist

From Tempelmcn-Kluit (1974)

FIGURE # 3
 REGIONAL GEOLOGY
 WH. MINING DIST.
 NTS. 115 H 4
 DATE 18 NOV 1996
 DRAWN by JP ROSS
 SCALE 1:259,000

Chapter Two: SUMMARY

No new claims were staked.

Twenty float samples were taken, 7 on the first trip, 9 on the second trip and 4 on the third trip.

Twenty-five silt samples were taken, 10 on the first trip, 12 on the second trip and 3 on the third trip.

Dates worked in 1996 were: June 28 - July 12 (first trip), July 21 - August 12 (second trip), and September 15 - 22 (third trip).

Gold values in the silt samples were up to 1,089 ppb Au (-80+150 mesh), and 393 ppb Au (-150 mesh).

Chapter Three: GEOCHEMICAL SURVEY

3.1 Soil Geochemistry

No soil samples were taken.

3.2 Silt Geochemistry

Silt samples were taken by screening the sample through a -8 mesh screen to get enough material to fill 2-3 soil sample bags. Moss mats were sampled if possible. Samples HS14-16, HS18, HS10 and HS25 were taken from moss mats on bedrock. Fifty percent of sample HS20 was taken from moss mats on bedrock, the rest of HS20 was from moss mats on float rock.

For comparison, HS18 (from moss on bedrock and in bedrock cracks) and HS19 (moss on round float rocks) were taken in the same area. The same comparison was used for HS25 (from moss on bedrock and in bedrock cracks) and HS24 (moss on round float rocks).

3.3 Rock Geochemistry

Twenty rock float samples were taken and assayed. The best was HR7, 369 ppb Au and 4,083 ppm As.

3.4 Interpretation

The assay results for the float rock samples was poor. Many schist float samples were taken to see if the schist had an Au background. It does not.

The silt samples (-80+150) suggest that erratic coarse gold is present in many areas. The arsenic values have no pattern with only one sample assaying over 100 ppm As.

The -150 mesh Au test shows all bedrock moss mats assayed >100 ppb Au, 3 results are still pending. However sample HS9 is high, it returned assays of 134, 21, and 171 ppb Au (average 109 ppb Au) in (-80+150) and 250 and 258 ppb Au in -150 mesh assays.

Sample HS9 was not a bedrock moss mat and therefor is **very significant**. It is above the placer deposition and in a wide glaciated valley. It's source is probably the mountain to the east. Two anomalous government geochem silt samples are further to the east of this mountain. This mountain is within my 5 km. area of interest as described in the Option Agreement with Cash Resources for the MALOU/DELOR claims.

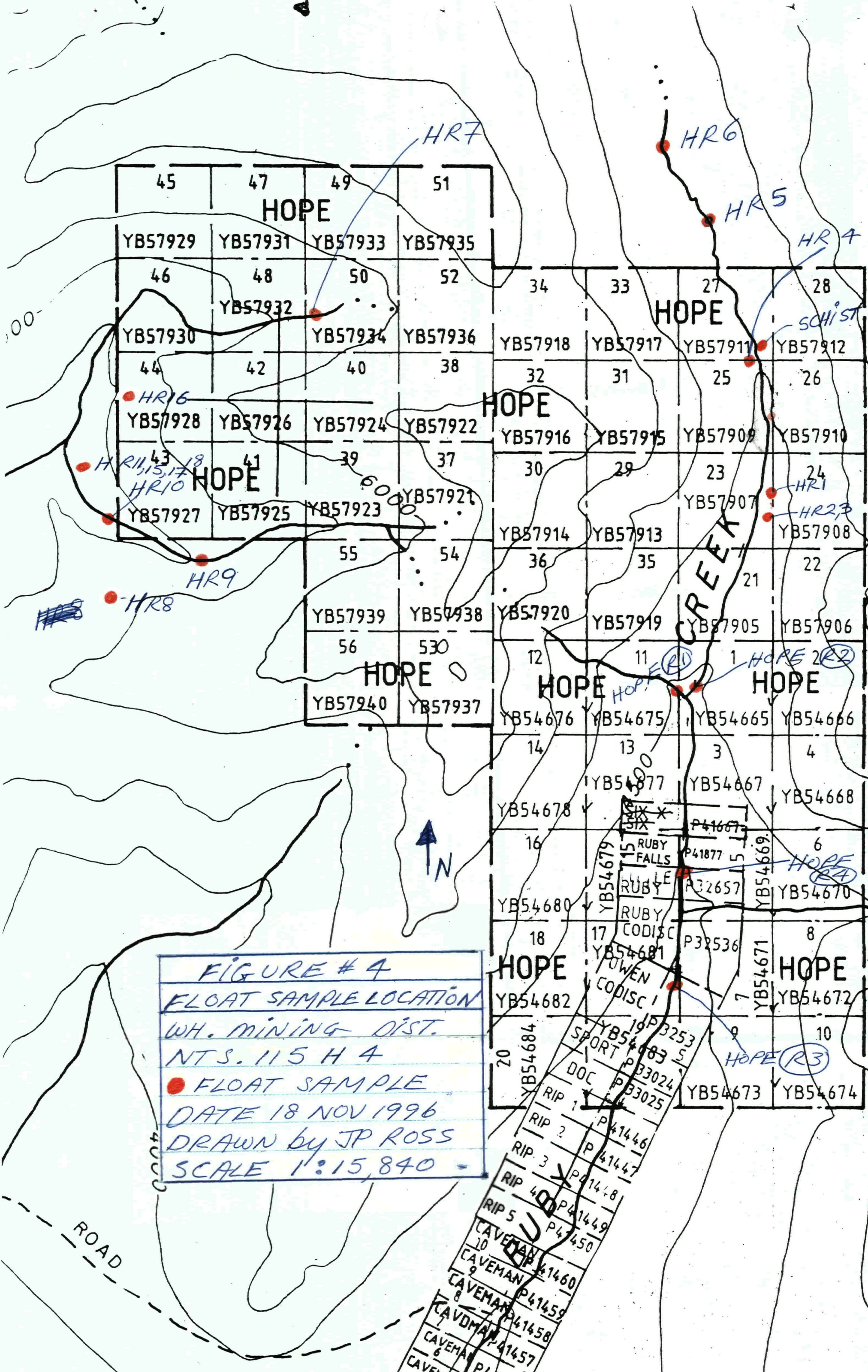
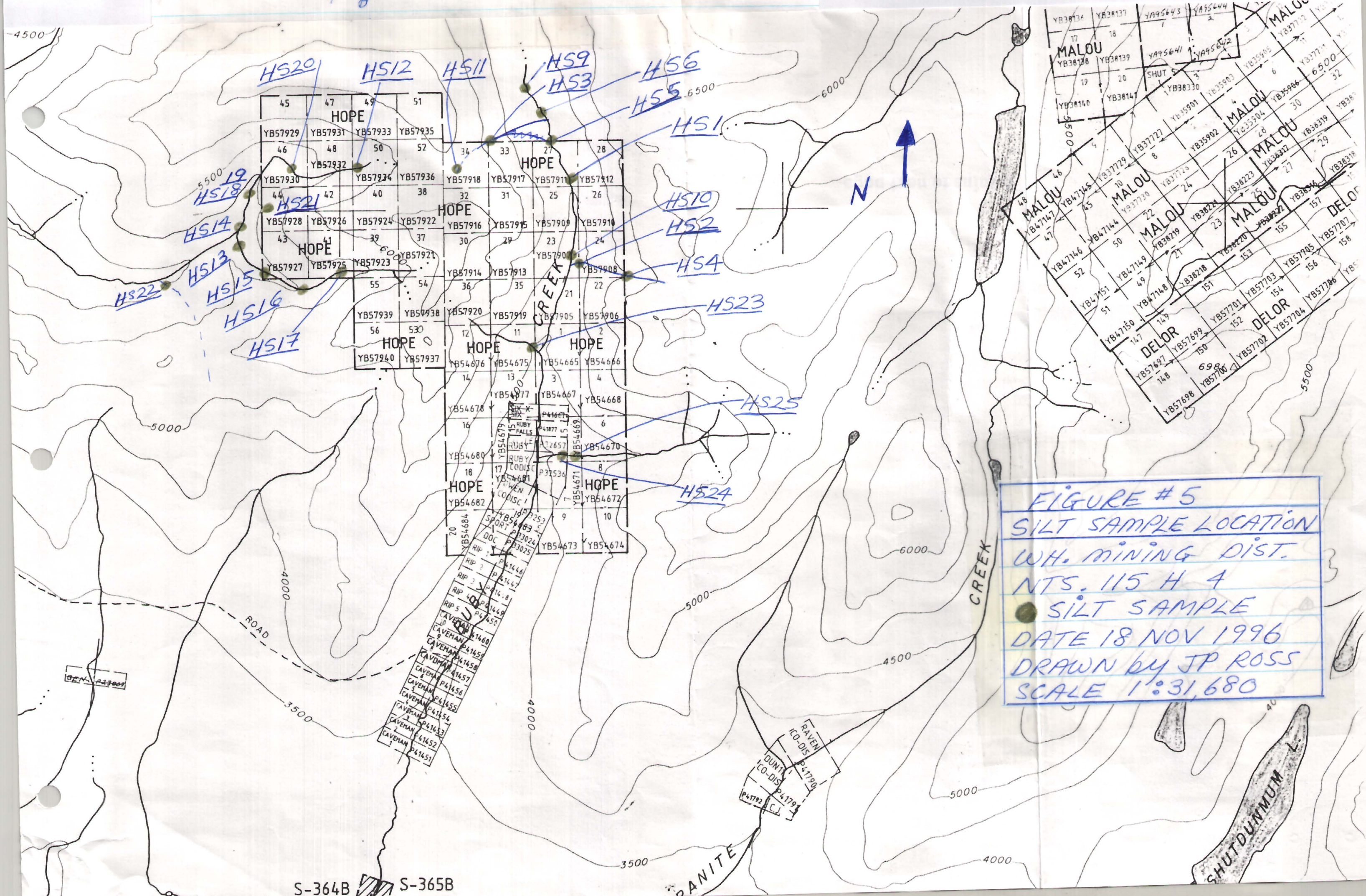
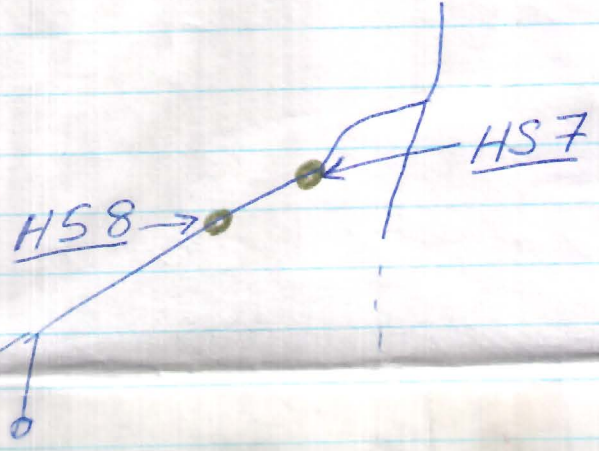


FIGURE # 4
 FLOAT SAMPLE LOCATION
 WH. MINING DIST.
 NTS. 115 H 4
 ● FLOAT SAMPLE
 DATE 18 NOV 1996
 DRAWN by JP ROSS
 SCALE 1:15,840

| | | | |
|---------|---------|---------|---------|
| 45 | 47 | 49 | 51 |
| HOPE | | | |
| YB57929 | YB57931 | YB57933 | YB57935 |
| 46 | 48 | 50 | 52 |
| YB57930 | YB57932 | YB57934 | YB57936 |
| 44 | 42 | 40 | 38 |
| YB57928 | YB57926 | YB57924 | YB57922 |
| 43 | 41 | 39 | 37 |
| YB57927 | YB57925 | YB57923 | YB57921 |
| 55 | 54 | | |
| YB57939 | YB57938 | YB57920 | |
| 56 | 53 | | |
| HOPE | HOPE | | |
| YB57940 | YB57937 | | |

| | | | |
|---------|---------|---------|---------|
| 34 | 33 | 27 | 28 |
| HOPE | | | |
| YB57918 | YB57917 | YB57911 | YB57912 |
| 32 | 31 | 25 | 26 |
| YB57916 | YB57915 | YB57909 | YB57910 |
| 30 | 29 | 23 | 24 |
| YB57914 | YB57913 | YB57907 | YB57908 |
| 36 | 35 | 21 | 22 |
| YB57919 | YB57905 | YB57906 | |
| 12 | 11 | 1 | 2 |
| HOPE | HOPE | HOPE | HOPE |
| YB54676 | YB54675 | YB54665 | YB54666 |
| 14 | 13 | 3 | 4 |
| YB54678 | YB54677 | YB54667 | YB54668 |
| 16 | 15 | 5 | 6 |
| YB54680 | YB54679 | YB54669 | YB54670 |
| 18 | 17 | 8 | 8 |
| HOPE | HOPE | HOPE | HOPE |
| YB54682 | YB54681 | YB54671 | YB54672 |
| 20 | 19 | 9 | 10 |
| YB54684 | YB54683 | YB54673 | YB54674 |

| | |
|------------|--------|
| 15 | 16 |
| RUBY FALLS | P41667 |
| RUBY | P41877 |
| RUBY | P32657 |
| CODISC | P32536 |
| TOWN | |
| CODISC 1 | |
| SPORT | P3253 |
| DOC | P33024 |
| RIP 1 | P33025 |
| RIP 2 | P41446 |
| RIP 3 | P41447 |
| RIP 4 | P41448 |
| RIP 5 | P41449 |
| CAVEMAN | P41450 |
| CAVEMAN | P41460 |
| CAVEMAN | P41459 |
| CAVEMAN | P41458 |
| CAVEMAN | P41457 |
| CAVEMAN | P41456 |



S-364B S-365B

GRANITE

SHUTOUNNUM L.

Chapter Four: PROSPECTING

Ruby Creek has an active placer mine at present. The gold is rough, coarse, and some show jagged edges and crystalline structures. Some of the quartz adhering to the gold is yellow-brown-red in colour. According to Tom Churchill, a placer miner on 4th of July Creek, fine and coarse grained placer gold was mined in a small canyon about 1½ miles downstream from the forks. This location would be on the HOPE 40,43,45,46 claims.

The problem with high background Au values in silt samples make prospecting the only good tool here.

Future prospecting should be done east and west of sample HS9 and just above the forks on the western claims.

Ruby Creek is probably a shear zone with mesothermal gold veins.

APPENDIX 1

References

Summary of Work, Ruby Creek Area, Yukon Territory, N.T.S. 115 H/4 for Yukon Mining Incentives Program, Economic Development, Government of the Yukon Box 2703, Whitehorse, Yukon Y1A 2C6. John Peter Ross, Prospector. November, 1995.

Summary of Work, Hope Claim Area, Yukon Territory, N.T.S. 115 H/4 for Yukon Mining Incentives Program, Economic Development, Government of the Yukon Box 2703, Whitehorse, Yukon Y1A 2C6. John Peter Ross, Prospector. December, 1994.

News Release: Cash Resources Ltd. August 29, 1994.

CASH RESOURCES LTD.
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: (604) 683-1610

NEWS RELEASE

Trading Symbol: KSH-V

Monday, August 29, 1994

Management is pleased to announce that excavator trenching will begin shortly at the Killer Gold Property located 48 km north-northeast of Haines Junction in southwestern Yukon. The property is wholly owned by Cash Resources Ltd., subject to a 2% net smelter royalty payable to a prospector. One-half of the royalty can be purchased at any time by the company for \$1 million dollars.

Gold mineralization associated with disseminated arsenopyrite occurs in quartz veins and the surrounding graphitic, quartz-biotite schist country rocks. Native gold grains up to 1 mm in diameter have been observed in a few of the quartz veins. Approximately 35% of the mostly overburden-covered property has been grid soil sampled and prospected. A total of 63 rock samples from surface float, outcrops and hand trenches have been analyzed in 1994. Of these, 59% assayed greater than 3.43 g/t gold, including 18 that assayed between 16.39 and 193.57 g/t. The average grade of the 63 samples is 16.32 g/t gold. Most of the rock samples were collected within two gold-arsenic soil geochemical anomalies that are about 3000 m apart. One anomaly is 4000 m long and averages 300 m in width while the other is 2500 m long and about 800 m wide. Both are open along strike. A number of smaller clusters of anomalous values are located between the main anomalies.

Management is encouraged by exploration results and believes that the Killer Gold Property and nearby placer deposits indicate a potentially major new gold camp of a type not previously identified in Yukon or northern British Columbia. The closest analogy may be the Juneau Gold Belt located 400 km to the southeast in the Alaska Panhandle. The Juneau deposits produced approximately 240,000 kg (7 million ounces) of gold and are located in the same geological terrane as Killer Gold.

CASH RESOURCES LTD.

Per: 
James M. Stephen, President

THE VANCOUVER STOCK EXCHANGE HAS NOT REVIEWED AND DOES NOT
ACCEPT RESPONSIBILITY FOR THE ADEQUACY OF THIS NEWS RELEASE.

APPENDIX 2

Rock Geochemistry - Assay Results

08/08/96

Assay Certificate

Page 1

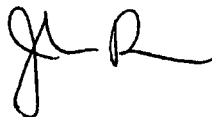
J. Peter Ross

WO#10416

| Sample # | Au ppb |
|----------|-----------|
| HR - 1 | 5 |
| HR - 2 | <5 |
| HR - 3 | <5 |
| HR - 4 | <5 |
| HR - 5 | <5 |
| HR - 6 | <5 |
| Schist | 9 |

Note: Au is 30g FA/AAS.

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iPL 96G0665

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Fax (604) 879-7898

Northern Analytical Laboratories

Out: Aug 01, 1996 Project: W.O. 10416
In: Jul 30, 1996 Shipper: Norm Smith
PO#: 54613 Shipment: ID=C030901
Msg: ICP(AqR)30

7 Samples

0= Rock 0= Soil 0= Core 0=RC Ct 7= Pulp 0=Other
Raw Storage: -- -- -- -- 12Mon/Dis --
Pulp Storage: -- -- -- -- 12Mon/Dis --
[066516:55:04:69080196]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

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Analytical Summary

Table with columns: ##, Code, Met, Title, Limit, Limit, Units, Description, Element, ##. Contains 30 rows of analytical data for various elements like Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P.

30/08/96

Assay Certificate

Page 1

J. Peter Ross

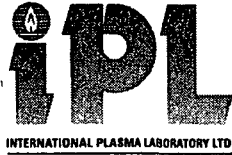
WO# 07001

| Sample # | Au ppb |
|----------|-----------|
| HR 7 | 369 |
| HR 8 | <5 |
| HR 9 | <5 |
| HR 10 | <5 |
| HR 11 | <5 |
| HR 15 | <5 |
| HR 16 | <5 |
| HR 17 | <5 |
| HR 18 | 15 |

Note: Au is 30g FA/AAS.

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iPL 96H0823

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Canada V5Y 3E1
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Fax (604) 879-7898

Northern Analytical Laboratories **9 Samples**
Out: Sep 10, 1996 Project: W.O. 07001
In: Aug 30, 1996 Shipper: Norm Smith
PO#: 054622 Shipment: ID=C030901
Msg: ICP(AqR)30

0= Rock 0= Soil 0= Core 0=RC Ct 9= Pulp 0=Other
Raw Storage: -- -- -- -- 12Mon/Dis -- Mon=Month Dis=Discard
Pulp Storage: -- -- -- -- 12Mon/Dis -- Rtn=Return Arc=Archive

[082314:36:47:69091096]

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Analytical Summary

| ## | Code | Met | Title | Limit | Limit | Units | Description | Element | ## |
|----|------|-----|-------|-------|-------|-------|---------------------------|------------|----|
| | | | hod | Low | High | | | | |
| 01 | 721P | ICP | Ag | 0.1 | 100 | ppm | Ag ICP | Silver | 01 |
| 02 | 711P | ICP | Cu | 1 | 20000 | ppm | Cu ICP | Copper | 02 |
| 03 | 714P | ICP | Pb | 2 | 20000 | ppm | Pb ICP | Lead | 03 |
| 04 | 730P | ICP | Zn | 1 | 20000 | ppm | Zn ICP | Zinc | 04 |
| 05 | 703P | ICP | As | 5 | 9999 | ppm | As ICP 5 ppm | Arsenic | 05 |
| 06 | 702P | ICP | Sb | 5 | 9999 | ppm | Sb ICP | Antimony | 06 |
| 07 | 732P | ICP | Hg | 3 | 9999 | ppm | Hg ICP | Mercury | 07 |
| 08 | 717P | ICP | Mo | 1 | 9999 | ppm | Mo ICP | Molydenum | 08 |
| 09 | 747P | ICP | Tl | 10 | 999 | ppm | Tl ICP 10 ppm (Incomplete | Thallium | 09 |
| 10 | 705P | ICP | Bi | 2 | 999 | ppm | Bi ICP | Bismuth | 10 |
| 11 | 707P | ICP | Cd | 0.1 | 100 | ppm | Cd ICP | Cadmium | 11 |
| 12 | 710P | ICP | Co | 1 | 999 | ppm | Co ICP | Cobalt | 12 |
| 13 | 718P | ICP | Ni | 1 | 999 | ppm | Ni ICP | Nickel | 13 |
| 14 | 704P | ICP | Ba | 2 | 9999 | ppm | Ba ICP (Incomplete Digest | Barium | 14 |
| 15 | 727P | ICP | W | 5 | 999 | ppm | W ICP (Incomplete Digest | Tungsten | 15 |
| 16 | 709P | ICP | Cr | 1 | 9999 | ppm | Cr ICP (Incomplete Digest | Chromium | 16 |
| 17 | 729P | ICP | V | 2 | 999 | ppm | V ICP | Vanadium | 17 |
| 18 | 716P | ICP | Mn | 1 | 9999 | ppm | Mn ICP | Manganese | 18 |
| 19 | 713P | ICP | La | 2 | 9999 | ppm | La ICP (Incomplete Digest | Lanthanum | 19 |
| 20 | 723P | ICP | Sr | 1 | 9999 | ppm | Sr ICP (Incomplete Digest | Strontium | 20 |
| 21 | 731P | ICP | Zr | 1 | 999 | ppm | Zr ICP | Zirconium | 21 |
| 22 | 736P | ICP | Sc | 1 | 99 | ppm | Sc ICP | Scandium | 22 |
| 23 | 726P | ICP | Ti | 0.01 | 1.00 | % | Ti ICP (Incomplete Digest | Titanium | 23 |
| 24 | 701P | ICP | Al | 0.01 | 9.99 | % | Al ICP (Incomplete Digest | Aluminum | 24 |
| 25 | 708P | ICP | Ca | 0.01 | 9.99 | % | Ca ICP (Incomplete Digest | Calcium | 25 |
| 26 | 712P | ICP | Fe | 0.01 | 9.99 | % | Fe ICP | Iron | 26 |
| 27 | 715P | ICP | Mg | 0.01 | 9.99 | % | Mg ICP (Incomplete Digest | Magnesium | 27 |
| 28 | 720P | ICP | K | 0.01 | 9.99 | % | K ICP (Incomplete Digest | Potassium | 28 |
| 29 | 722P | ICP | Na | 0.01 | 5.00 | % | Na ICP (Incomplete Digest | Sodium | 29 |
| 30 | 719P | ICP | P | 0.01 | 5.00 | % | P ICP | Phosphorus | 30 |



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Project: W.O. 07001 9 Pulp

iPL: 96H0823

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Page 1 of 1
[082314:36:52:69091096]

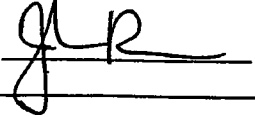
Section 1 of 1
Certified BC Assayer: David Chiu

Table with columns for Sample Name and various elements (Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P) showing concentration values in ppm and percentages.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 999 999 999 999 999 999 999 999 999 999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 X=Estimate Z Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

J. Peter Ross

WO#07133

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| Sample # | Au ppb |
|----------|-----------|
| HOPE R1 | <5 |
| HOPE R2 | 12 |
| HOPE R3 | <5 |
| HOPE R4 | <5 |

Note: Au is 30g FA/AAS.

For silts, fraction analysed for Au and accompanying ICP-30 is
-80 mesh; Au cyanide leach analysed on -150 mesh.



APPENDIX 3

Rock Sample Descriptions

| <u>Sample Number</u> | <u>Description</u> |
|----------------------|---|
| HR1 | schist |
| HR2 | schist w/orange stain |
| HR3 | schist w/brown stain |
| HR3 | schist, stained w/little quartz |
| HR5 | schist, orange brown stain |
| HR6 | schist (tourmaline), quartz stringers, twisted brown-orange areas, some sulphides |
| SCHIST | schist |
| HR7 | schist, quartz, lots of vuggy holes and orange limonite stain |
| HR8 | blue-gray quartz, some crystals, light beige tinge in a few areas |
| HR9 | quartz-schist (strange looking), holes in rock with brown walls and dust inside |
| HR10 | quartz, brown-beige zones, some blue-gray crystals |
| HR11 | schist, twisted, some sulphides present |
| HR15 | schist (similar to HR17) |
| HR16 | schist, fractures have orange stains |
| HR17 | large rough schist, extremely twisted, lots of silica, few sulphides |
| HR18 | schist, only small amount of quartz |
| R1 | volcanic rock, pyrite |
| R2 | schist, silicified, twisted with yellow stain |
| R3 | white schist |
| R4 | schist, stringer with sulphides |

APPENDIX 4

Silt Geochemistry - Assay Results


J. Peter Ross

WO#10396

| Sample # | Au ppb | Replicate Au analyses (averaged for final values) | | | | |
|----------|-----------|---|-----|-----|-----|---|
| | | | | | | |
| HS - 1 | 7 | 5 | 9 | | | |
| HS - 2 | 46 | 164 | 5 | 11 | 5 | |
| HS - 3 | 22 | 53 | 7 | 38 | 8 | 6 |
| HS - 4 | 9 | 8 | 9 | | | |
| HS - 5 | 61 | 139 | 14 | 31 | | |
| HS - 6 | <5 | 5 | <5 | | | |
| HS - 7 | <5 | <5 | <5 | | | |
| HS - 8 | <5 | <5 | <5 | <5 | | |
| HS - 9 | 109 | 134 | 21 | 171 | | |
| HS - 10 | 854 | 2484 | 774 | 51 | 108 | |

Note: Au is 30g FA/AAS.
 Fraction analysed is -80+150 mesh. Accompanying ICP-30 analysed on -80 mesh; Au cyanide leach analysed on -150 mesh.

Replicate analyses were very erratic, suggesting coarse gold.
 Replicate values shown above.

Certified by  105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890



ACME ANALYTICAL LABORATORIES LTD.

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GEOCHEMICAL ANALYSIS CERTIFICATE



Northern Analytical Laboratories PROJECT WO#10396 File # 96-3211

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Au# ppb |
|---------|------------|
| HS-1 | 27.0 |
| HS-2 | 10.6 |
| HS-3 | 14.9 |
| HS-4 | 19.5 |
| HS-5 | 38.5 |
| HS-6 | 49.5 |
| HS-7 | 2.4 |
| HS-8 | 5.6 |
| RE HS-8 | 9.8 |
| HS-9 | 250.0 |
| HS-10 | 336.2 |

AU# - 0.5% CYANIDE LEACH, SHAKE 2 MINUTES EVERY HOUR FOR 24 HRS., DIGEST IN AQUA REGIA, EXTRACT INTO MIBK, ANALYSIS BY GRAPHITE AA.

- SAMPLE TYPE: SOIL PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: JUL 30 1996

DATE REPORT MAILED: Aug 8/96

SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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GEOCHEMICAL ANALYSIS CERTIFICATE



Northern Analytical Laboratories PROJECT NO#10396 File # 96-3211R
105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Au# ppb |
|---------|------------|
| HS-9 | 258.0 |
| HS-10 | 393.5 |

AU# - 0.5% CYANIDE LEACH, SHAKE 2 MINUTES EVERY HOUR FOR 24 HRS., DIGEST IN AQUA REGIA, EXTRACT INTO MIBK, ANALYSIS BY GRAPHITE AA.
- SAMPLE TYPE: SOIL PULP

DATE RECEIVED: AUG 21 1996 DATE REPORT MAILED: *Aug 28/96* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



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CERTIFICATE OF ANALYSIS
iPL 96G0661

2036 Columbia Street
Vancouver, B.C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Northern Analytical Laboratories 10 Samples

Out: Aug 01, 1996 Project: W.O. 10396
In: Jul 30, 1996 Shipper: Norm Smith
PO#: 54613 Shipment: ID=C030901

Raw Storage: -- -- -- -- 12Mon/DIs --
Pulp Storage: -- -- -- -- 12Mon/DIs --

[066116:48:46:69080196]
Mon=Month Dis=Discard
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Msg: ICP(AqR)30

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1 Northern Analytical Laboratories EN RT CC IN FX
105 Copper Road 1 2 2 2 1
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ATT: Norm Smith

Ph:403/668-4968
Fx:403/668-4890

Analytical Summary

Table with columns: ##, Code, Met Title, Limit, Limit, Units, Description, Element, ##. Contains 30 rows of analytical data for various elements like Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P.

04/09/96

Assay Certificate

Page 1

J. Peter Ross

WO# 10499

| Sample # | Au ppb |
|----------|-----------|
| HS - 11 | 10 |
| HS - 12 | 6 |
| HS - 13 | 487 |
| HS - 14 | 1339 |
| HS - 15 | 748 |
| HS - 16 | 407 |
| HS - 17 | 20 |
| HS - 18 | 1492 |
| HS - 19 | 23 |
| HS - 20 | 139 |
| HS - 21 | <5 |
| HS - 22 | 12 |

Note: Au is 30g FA/AAS.
Fraction analysed is -80+150 mesh. Accompanying ICP-30 analysed on -80 mesh; Au cyanide leach analysed on -150 mesh.

Certified by



08/10/96

Assay Certificate

Page 1

J. Peter Ross

WO#07115

| Sample # | Au ppb | Replicate Au analyses | | |
|----------|-----------|-----------------------|------|-----|
| | | | | |
| HS - 11 | <5 | | | |
| HS - 12 | 16 | | | |
| HS - 13 | 8 | 8 | 7 | |
| HS - 14 | 10 | | | |
| HS - 15 | 382 | | | |
| HS - 16 | 458 | 987 | 184 | 204 |
| HS - 17 | 296 | | | |
| HS - 18 | 440 | 228 | 1089 | <5 |
| HS - 19 | <5 | | | |
| HS - 20 | 41 | | | |
| HS - 21 | <5 | <5 | <5 | |
| HS - 22 | <5 | | | |

Note: Au is 30g FA/AAS.
 Fraction analysed is -80+150 mesh.
 Replicate analyses were very erratic, suggesting coarse gold.

Certified by



ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158

FAX (604) 253-1716



GEOCHEMICAL ANALYSIS CERTIFICATE



Northern Analytical Laboratories File # 96-4102

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Au# ppb |
|----------|------------|
| HS-11 | 14.3 |
| HS-12 | 53.3 |
| HS-13 | 72.7 |
| HS-14 | 108.5 |
| HS-15 | 137.8 |
| HS-16 | 121.2 |
| HS-17 | 85.5 |
| HS-18 | 251.8 |
| HS-19 | 76.6 |
| RE HS-19 | 42.6 |
| HS-20 | 200.8 |
| HS-21 | 3.7 |
| HS-22 | 18.1 |

AU# - 0.5% CYANIDE LEACH, SHAKE 2 MINUTES EVERY HOUR FOR 24 HRS., DIGEST IN AQUA REGIA, EXTRACT INTO MIBK, ANALYSIS BY GRAPHITE AA.
- SAMPLE TYPE: SOIL PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 1996

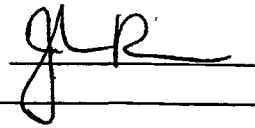
DATE REPORT MAILED:

Sept 20/96

SIGNED BY: *C. Leong* .D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

J. Peter Ross

WO# 07133

Certified by 

| Sample # | Au ppb |
|----------|-----------|
| HS 23 | 6 |
| HS 24 | <5 |
| HS 25 | 149 |

Note: Au is 30g FA/AAS.

For silts, fraction analysed for Au and accompanying ICP-30 is -80 mesh; Au cyanide leach analysed on -150 mesh.



STATEMENT OF QUALIFICATIONS

I, John Peter Ross, do hereby certify that I:

1. am a qualified prospector with mailing address;
Box 4842
Whitehorse, Yukon
Canada. Y1A 4N8
2. graduated from McGill University in 1970 with a B.Sc. General Science
3. have attended and finished completely the following courses;
1974 -- BC & Yukon Chamber of Mines, Prospecting Course
1978 -- United Keno Hill Mines Limited, Elsa, Yukon, Prospecting Course
1987 -- Yukon Chamber of Mines, Advanced Prospecting Course
1991 -- Exploration Geochemistry Workshop, GSC Canada
1994 -- Diamond Exploration Short Course, Yukon Geoscience Forum
1994 -- Yukon Chamber of Mines, Alteration and Petrology for Prospectors
1994 -- Applications of Multi-Parameter Surveys (Whitehorse), Ron Shives, GSC
1994 -- Drift Exploration in Glaciated and Mountainous Terrain, BCGS
1995 -- Applications of Multi-Parameter Surveys, (Vancouver) Ron Shives, GSC
1995 -- Diamond Theory and Exploration, Short Course # 20, GSC Canada
1996 -- New Mineral Deposit Models of the Cordillera, MDRU
4. did all the work and the writing of this report
5. have been on the Yukon Prospectors' Assistance and Yukon Mining Incentive Program 1986 - 1996
6. have been on the British Columbia Prospectors' Assistance Program 1989 - 1990
7. have a 100% interest in the claims described in this report at the present time

John Peter Ross

Nov. 27/1996

YUKON CHAMBER OF MINES

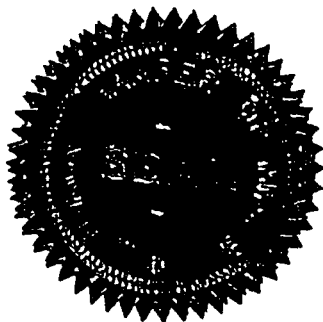
This Certifies That J. PETER ROSS

has completed the

ADVANCED PROSPECTING COURSE

Whitehorse, Yukon Territory

1987



D. Bennett
Chairman, Prospectors Course
Committee

W. J. Paul
President



YUKON CHAMBER OF MINES

This is to Certify that

Peter Ross

has Successfully Completed the

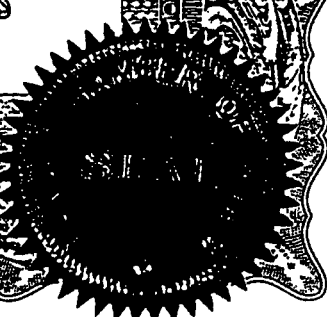
Alteration and Petrology
for Prospectors
Course

Whitehorse, Yukon Territory
May 26 to June 3, 1994

SPONSORED BY
PACIFIC SENTINEL GOLD CORP.
AND
THE CANADA/YUKON
MINERAL DEVELOPMENT AGREEMENT


Yukon Chamber of Mines


Instructor



1-780-461-8233 FAX: 867-667-1001 1001-1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100

HES° RIVER PROJECT 1996

GRASSROOTS

The project is 120 miles north east of Ross River. Access is by truck to Ross River and then by TRANS NORTH Helicopter charter. The area is map sheet 1050, in the MAYO MINING DISTRICT.

Areas of work to be done are on 105-0-11 (ARROWHEAD LAKE), 105-0-12 (Fango LAKE) and on 105-0-6.

TARGETS are Au-Bi porphyry deposits similar to Fort KNOX in Alaska and Dublin Gulch, Mayo YUKON. Both are large, low grade gold deposits. ~~At least 6, or maybe present.~~

Reasons to go here are the success of the exploration at Fort Knox, Dublin Gulch; press releases from APC Ventures (12 claim groups in the area); data on the CHRISTINA and SERONK claims (assessment report # 092956) by Grant Couture and SHANE EBERT (YMIP participants in 1990); discussion of geochemical ('silt') - topo maps -

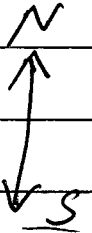
2
geophysical maps - geological maps - assessment report #092956 with John Kowalchuk (EDA), Trevor Bremner (DIAND), and Jim Mortensen (MORU); and a desire to go to a new underexplored area.

The area has Au, As, Sb anomalies. Some times Cu, Pb, Zn, Ag and bismuth was not done. On mag maps plutons are mag lows, hornfelsed areas (above + around) are mag highs. Mineralization occurs in the PLUTONS (eg Fort Knox Au B₁) in the HORNFELSED area (eg Dublin GULCH - Au B₁ W), outside HORNFELSED area (eg Brewery Creek - Au oxide and a mag low) and distal (eg Keno Hill Ag Pb (Zn)) and carlin type gold deposits ??? The Tombstone Plutonic Belt is at least 600 km long and up to 100 km wide.

→ ① Target. I will restake 20 claims on the lapsed SCRONK claims on map sheet 105-0-11. From the assessment report #092956, veins in the intrusion have density of 7% - 15% in volume, from few mm to .5 meter wide and scorodite

3
stains (As₂Py) mark vein areas.
East of the pluton vein density
may be 10% or more, range from
few mm to 15 cm wide, average 2 cm.
Polymetallic veins have more Au
than As₂Py veins.

I do not think
much, if any
time was



spent on the
steep slope

south of the vein
area and the silt
#1332 was split by 2
streams. Gold here is

silt #
1332

linked to bismuth. A chert
sequence to the north was not
mineralized. Micro sized vein
areas may not be easily seen.
I will stake 20 claims here. 10
across the veined area and 10
to the south. I will try to find
the known vein areas and take
some 10-15 meter chip samples.
I will prospect the southern slope
for more veins. The zone so far
is up to 1400 m long and up to
700 m wide. The target is Au Bi

4 porphyry and adjacent veins on map sheet 105 0-11.

→ ② TARGET. About 3 miles south of ARROWHEAD LAKE on map sheet 105-0-11-a Au Bi porphyry and adjacent vein is the target. The area is anomalous for Au, Cu, Pb, Ag, As, Sb; according to John Kowalchuk a buried intrusion is present with hornfelsed areas. Prospecting, claim staking and silt samples will be done.

→ ③ TARGET. About 3 miles east of Emerald Lake on map sheet 105-0-11-a target for Au Bi porphyry and adjacent veins. Silt samples #3079, #3136 are anomalous for Au As and the mag map has a magnetic high or a hornfelsed area. Prospecting and claim staking will be done.

→ ④ TARGET. On map sheet 105-0-6 just south of Emerald Creek. A Au Bi porphyry and adjacent vein target. 3 areas are unnoted?

25 2 plutons and horn. tuff areas are present, anomalous areas for Au Sb Se (Zn Cu). Prospecting and claim staking will be done.

→ ⑤ TARGET. On map sheet 105-0-12 (-11), a Au Cu SKARN target (similar to the Mann deposit north of Dawson City) A high Au Cu anomaly comes from a mag high. Prospecting + claim staking will be done.

* N.B. 2 Au Bi rock samples were obtained from Don Murphy.

References

Personal Communication

① John Kowalchuk - EPA

② Trevor Bremner - DIANA

③ JIM MORTENSEN - MDRU

④ DON MURPHY - EAA

APC Ventures PRESS RELEASES

GSC OPEN FILE 2369

105 0 (SILT SAMPLES)

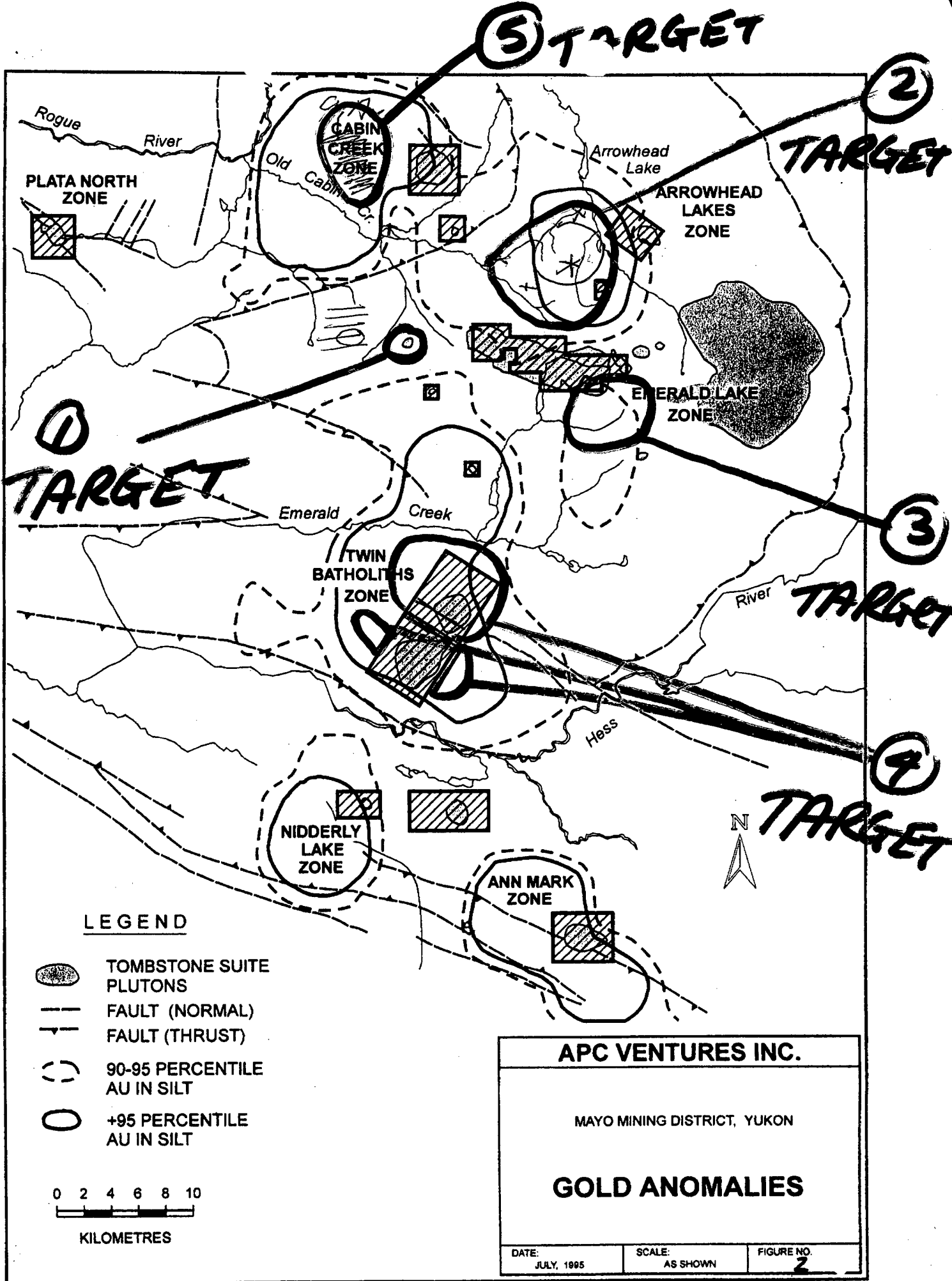
Assessment Report # 092956

SCRONK and CHRISTINA






claims by S. EBERT 1991

6

NEW MINERAL DEPOSIT MODELS
of the Canadian Cordillera
JAN. 28/29 - 1996.



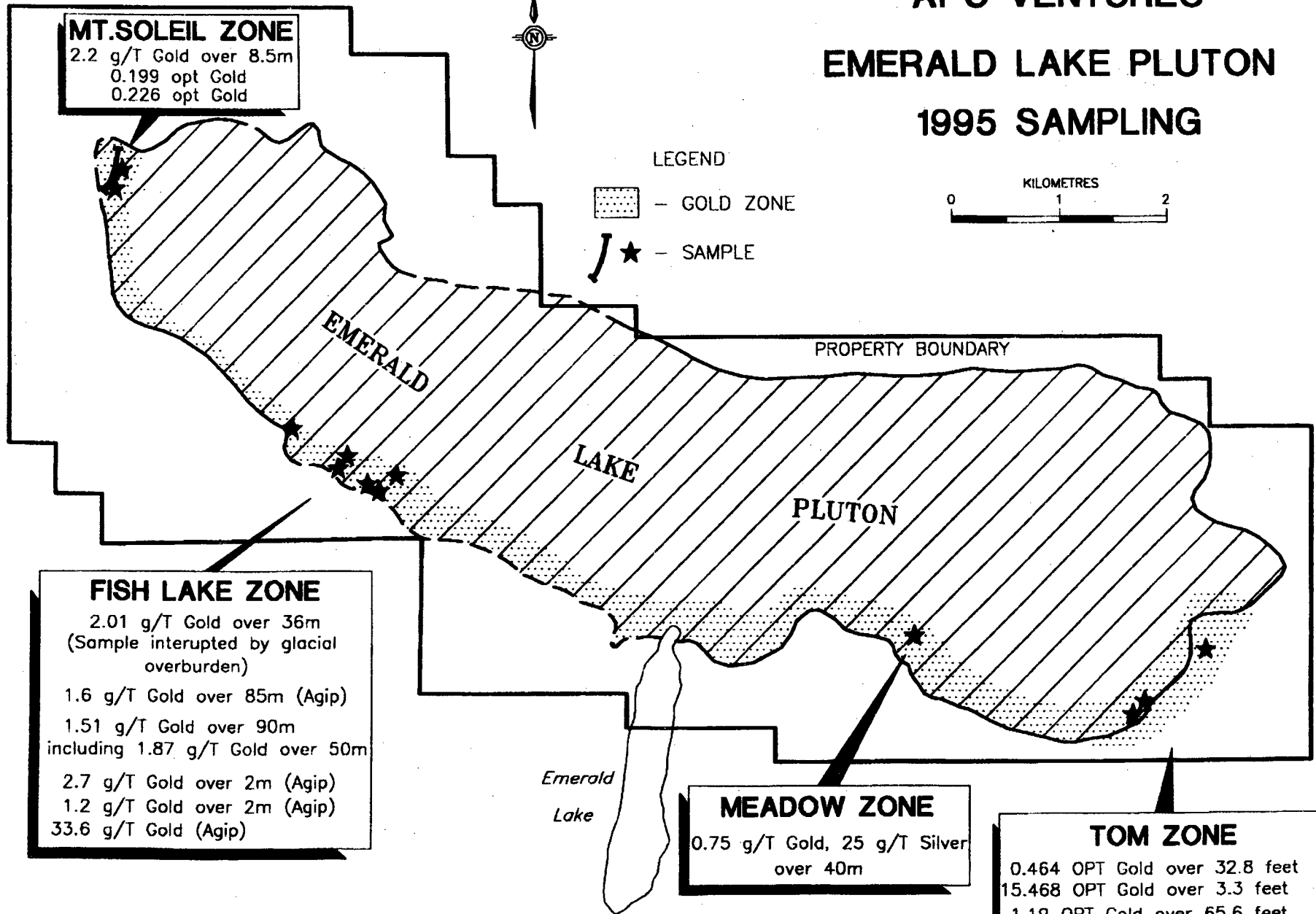
LEGEND

-  TOMBSTONE SUITE PLUTONS
-  FAULT (NORMAL)
-  FAULT (THRUST)
-  90-95 PERCENTILE AU IN SILT
-  +95 PERCENTILE AU IN SILT



| | | |
|-----------------------------|--------------------|------------------------|
| APC VENTURES INC. | | |
| MAYO MINING DISTRICT, YUKON | | |
| GOLD ANOMALIES | | |
| DATE: JULY, 1995 | SCALE: AS SHOWN | FIGURE NO. 2 |

APC VENTURES EMERALD LAKE PLUTON 1995 SAMPLING



APC Ventures Inc.

SUITE 612, 475 HOWE STREET, VANCOUVER, BC. V6C 2B3

Tel: 1 604 688 2010; Fax: 1 604 688 2015; Toll-free: 1 800 668 0071

Trading Symbol: **APR-V**

High Grade Assay Results from Emerald Lake, Yukon

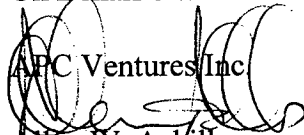
VANCOUVER, BC., December 05, 1995: Mr. Allen W. Achilles is pleased to report on the company's Yukon Gold Project in the northeastern Yukon near Ross River. The 'Tom Zone', a newly discovered zone of mineralization within the Emerald Lake pluton, has now been assayed by 2 independent laboratories and the results are as follows:

TOM ZONE:

The Tom Zone was discovered by Tom Morgan during the summer of 1995 for APC Ventures Inc. This zone of mineralization consists of parallel sheeted quartz veins ranging from 1 to 10 cm in width and occurs over a large area at the contact of the Emerald Lake pluton. Initial chip sampling at this zone returned 3.3 feet of 15.468 ounces per ton gold, and 100 meters along strike another chip sample assayed 32.8 feet of .464 ounces per ton gold. This zone was re-sampled in the same area as the original samples and assays were done at another independent laboratory. The latest results indicate a grade of 1.19 ounces per ton over an interval of 65.6 feet. Significant visible gold is associated with bismuthinite and quartz in quartz-feldspar pegmatite-veins. Vein occurrences in the sediments are also gold bearing and include assays of .39 ounces per ton over 5 feet (AGIP). A large tonnage potential drill target is being established for this area.

The Emerald Lake pluton is a small part of APC's land holdings and is only one of several intrusions that were explored in 1995. Results from these other mineralized plutons are currently being compiled and will be released upon completion.

On Behalf of the Board of Directors,


APC Ventures Inc
Allen W. Achilles
Director

THE VANCOUVER STOCK EXCHANGE HAS NEITHER APPROVED NOR DISAPPROVED OF THE INFORMATION CONTAINED HEREIN

The Scronk Claims

(A porphyry associated skarn deposit)

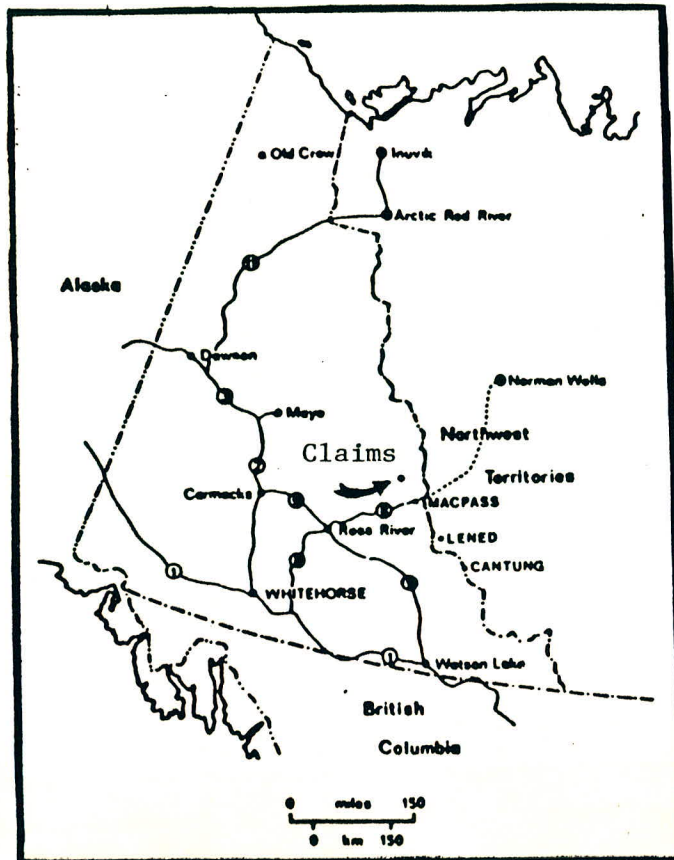
Location

The Scronk claims are located in a steep mountainous area of the Hess Mountains Yukon Territory, about 80 km north west of MacMillan pass.

Geology

A mesocratic porphyritic syenite intrusion is surrounded by a north dipping silicic sedimentary succession of shales, argillites, cherts, and minor pebble conglomerates.

Location of claims



Mineralization

A system of mineralized veins is continuous over a large area within the claim group. A zone up to 1400 m long and up to 700 m wide has been outlined. The density of veins within this zone varies from several veins per meter to one vein every two or three meters.

The porphyritic syenite has abundant mineralized quartz veins which follow jointing surfaces and fill fractures in random directions. These veins vary in width from a few millimeters up to 30 cm. Mineralization within these veins ranges from around 1 % sulfides, to almost 100 % sulfides, with arsenopyrite being the dominant sulfide. Galena, pyrite, pyrrotite, and molybdenite were also present in the veins. One vein in this area (with abundant galena), assayed at 4.3 g/t gold, 419.2 g/t silver, and 13.54 % lead.

Adjacent to and extending away from the porphyry into the sedimentary rocks, is a system of subparallel arsenopyrite-pyrite-pyrrotite veins with minor quartz, galena, sphalerite, and stibnite. One zone within the

area had four closely spaced veins which gave the following values: Vein 1 assayed at 35.9 g/t gold, 22.2 g/t silver. Vein 2 assayed at 21.1 g/t gold, 102.2 g/t silver, 11.24 % lead and 4.17 % zinc. Veins 3 and 4 had 5.1 g/t and 3.1 g/t gold.

A number of veins sampled throughout the property gave values between 8.5 g/t and 2.1 g/t gold. Our analyses were done by Bondar-Clegg Ltd. Gold was assayed by fire assay, the other elements were by ICP.

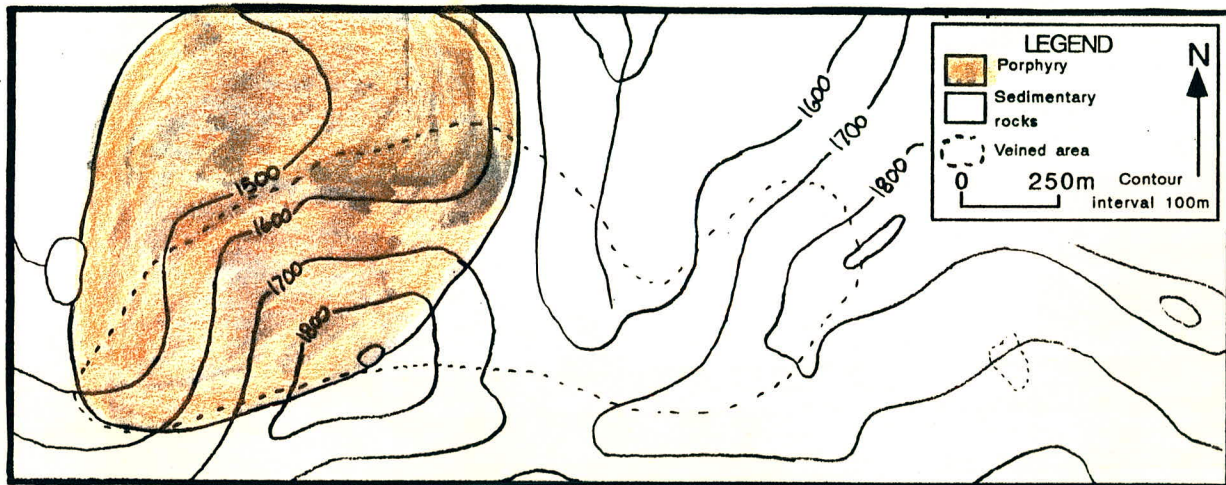
Potential

It is our opinion that the abundance of gold bearing veins throughout the area make the Scronk Claims an excellent exploration target.

For more information please contact:

Shane Ebert
11442 - 76 Ave.
Edmonton, AB
T6G OK4
Ph. 435-4156

or Grant Couture
#407 9950 90 Ave.
Edmonton, AB
T6E 5A4
Ph. 433-0632



YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Christina
MINFILE #: 1050 055
MAJOR COMMODITIES: Au, Ag, W
MINOR COMMODITIES: Cu, Mo, Bi
TECTONIC ELEMENT: Selwyn Plutonic Suite

NTS MAP SHEET: 105 O 11
LATITUDE: 63°33'00"N
LONGITUDE: 131°31'00"W
DEPOSIT TYPE: Vein, porphyry
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

CHRISTINA, SCRONK

WORK HISTORY

Staked as Christina (YB03811) and Scronk (YB03818) claims in August, 1990, by S. Ebert and G. Couture, who performed geological mapping, silt and rock geochemistry and petrographic work in the same year.

GEOLOGY

The Christina claims cover a porphyry copper-gold target in the Rogue Range, 14 km west of Emerald Lake. A 900 x 400 m area of disseminated sulphides and arsenopyrite-tourmaline-quartz veins occurs along the south flank of a Cretaceous granite stock which intrudes Devonian-Mississippian slate, argillite and chert. Petrographic studies show that the host intrusion is hydrothermally altered. A stockwork zone of secondary orthoclase and biotite forms a potassic alteration halo around the south margin of the intrusion, and is overprinted by sericite replacing plagioclase and chlorite replacing biotite. The alteration zones appear to be centred on a magnetic high.

Mineralized veins range from about 2 mm to 37.5 cm wide, averaging about 3 cm. They occur along joints and form up to 10% of the rock. The veins are zoned, with quartz on the outside and tourmaline and arsenopyrite in the centre. Chalcopyrite, pyrite, malachite and azurite also occur in the veins and disseminated in the intrusion. Most of the veins return anomalous copper values ranging from 231 ppm Cu to 5.31% Cu, and gold values ranging from 0.02 to 14 g/t Au. Silver values range from 1.3 g/t to 79.5 g/t Ag. Arsenic values are almost all high and a few specimens returned high values of Bi, Ba and Mo. A specimen of unveined granite assayed 202 ppm Cu, 0.52 g/t Au and 3.7 g/t Ag.

Five hundred metres south of the intrusive contact, brecciated siltstone with a matrix of tourmaline and arsenopyrite is cut by mineralized quartz veins containing up to 25% arsenopyrite and variable amounts of pyrrhotite, pyrite and chalcopyrite. Assays of the breccia averaged 2 g/t Au, with up to 1% Cu and 31 g/t Ag.

Late stage aplite dykes cut both the Cretaceous intrusion and the sedimentary rocks. All of the streams draining the east side of the intrusion contain silt which returns anomalous copper values, and a few Au, Ag, Pb, Zn and Mo anomalies also occur.

The Scronk claims, located 4 km northeast of the Christina claims, cover mineralized veins which follow joints and fractures in syenite porphyry. The veins range from a few mm to 0.5 m wide and make up 7 to 15% of the rock. They are vuggy, with coarse euhedral quartz crystals and contain variable amounts of sulphides ranging from 5 to 100%. Arsenopyrite is usually the dominant sulphide mineral, but occasionally galena predominates. Arsenopyrite-quartz veins return high gold values, ranging from 0.5 to 21 g/t Au. Galena is argentiferous, with one specimen assaying 416 g/t Ag.

A set of subparallel veins on the Scronk claims extends outward from the intrusion into slate and argillite; these veins contain mostly arsenopyrite, with lesser amounts of pyrite, pyrrhotite, galena, sphalerite, tetrahedrite, stibnite, chalcopyrite and possible disseminated gold. Arsenopyrite veins contain 1.5-5 g/t Au and

01/11/92
1/11/92
01/11/92

MINFILE: 1050 055
PAGE NO: 2 of 2
UPDATED: 06/09/92

GEOLOGY (CONTINUED)

polymetallic veins return gold values up to 36 g/t. These veins are a few mm to 15 cm wide, averaging about 2 cm, and comprise more than 10% of the rock. Pyrite, pyrrhotite and arsenopyrite also occur as disseminations or as 1.5 x 0.5 cm pods in the wallrock.

REFERENCES

S. EBERT, Feb/91. Assessment Report #092956 by S. Ebert.

Property Name: Common ALASKA Other
Location: Lat. 64°03' Long. 141°00' NTS 116C/2
Metals: Major Minor
Type of Mineral Deposit:
History and Previous Work:

Investigated in May/70 by the Dawson Range Joint Venture (Straus Explorations inc, Martin Marietta Corp, Molybdenum Corp of America, Trojan Cons. M, and Great Plains Dev. C of Canada L) following the release of stream sediments assays on samples collected the previous year in Alaska.

Description:

A stream sediment sampling program by the Alaska Dept. of National Resources returned anomalous copper (50-180 ppm) and zinc (450-550 ppm) values from streams originating on the Yukon side of the border. The area is underlain by Yukon Group metasediments. No mineralization was found.

References:

Preliminary Report, No. 23, Alaska Dept. of Natural Resources, Div. of Mines and Geology, May/70.

MALLARD
YB48796
YB48795

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 28 | 26 | 24 | 29 | 31 | 33 |
| CICI | | | | CICI | |
| YB67539 | YB67537 | YB67535 | YB67540 | YB67542 | YB67544 |
| 27 | 25 | 23 | 30 | 32 | 34 |
| YB67538 | YB67536 | YB67534 | YB67541 | YB67543 | YB67545 |
| 6 | 4 | 2 | 8 | 10 | 12 |
| | | | | CICI | |
| YB67517 | YB67515 | YB67513 | YB67519 | YB67521 | YB67523 |
| 5 | 3 | 1 | 7 | 9 | 11 |
| | | | | | |
| YB67516 | YB67514 | YB67512 | YB67518 | YB67520 | YB67522 |
| 16 | | | 17 | 19 | 21 |
| | | | | | |
| YB67521 | YB67528 | YB67530 | YB67532 | | |
| 15 | 18 | 20 | 22 | | |
| YB67526 | YB67529 | YB67531 | YB67533 | | |
| 15 | | | | | |

| | | | |
|---------|---------|---------|---------|
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| PK | | UNI | |
| YB54256 | YB54254 | YB67508 | YB67510 |
| 3 | 3 | 11 | 13 |
| UNI | PK | | |
| YB67499 | YB67501 | YB54255 | YB54253 |
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| | | | |
| YB67504 | | | |
| | | | |
| YB67500 | YB67502 | UNI | UNI |
| | | YB67505 | YB67506 |
| | | | YB67507 |

| | |
|---------|---------|
| 11 | 12 |
| GL | |
| YB54251 | YB54252 |
| 9 | |
| | |
| YB54249 | GL |
| | 10 |
| | YB54250 |

| | |
|---------|---------|
| 7 | 8 |
| GL | |
| YB54247 | YB54248 |
| 5 | |
| | |
| YB54245 | GL |
| | 6 |
| | YB54246 |
| | |
| YB54243 | GL |
| | 4 |
| | YB54244 |
| | |
| YB54241 | GL |
| | 2 |
| | YB54242 |

MARY
YA55100 YA55099 YA55098 YA55097 YA55096

MARY
YA47936 YA47935 YA47934

MARY
YA47933 YA47932 YA47931 YA47930 YA47929 YA47928 YA47927 YA47926 YA47925

MARY
YA47924 YA47923 YA47922 YA47921 YA47920 YA47919 YA47918 YA47917 YA47916 YA47915 YA47914 YA47913 YA47912 YA47911 YA47910 YA47909 YA47908 YA47907 YA47906 YA47905 YA47904 YA47903 YA47902 YA47901 YA47900

MARY
YA64268 YA64269 YA64267

MARY
Y90288

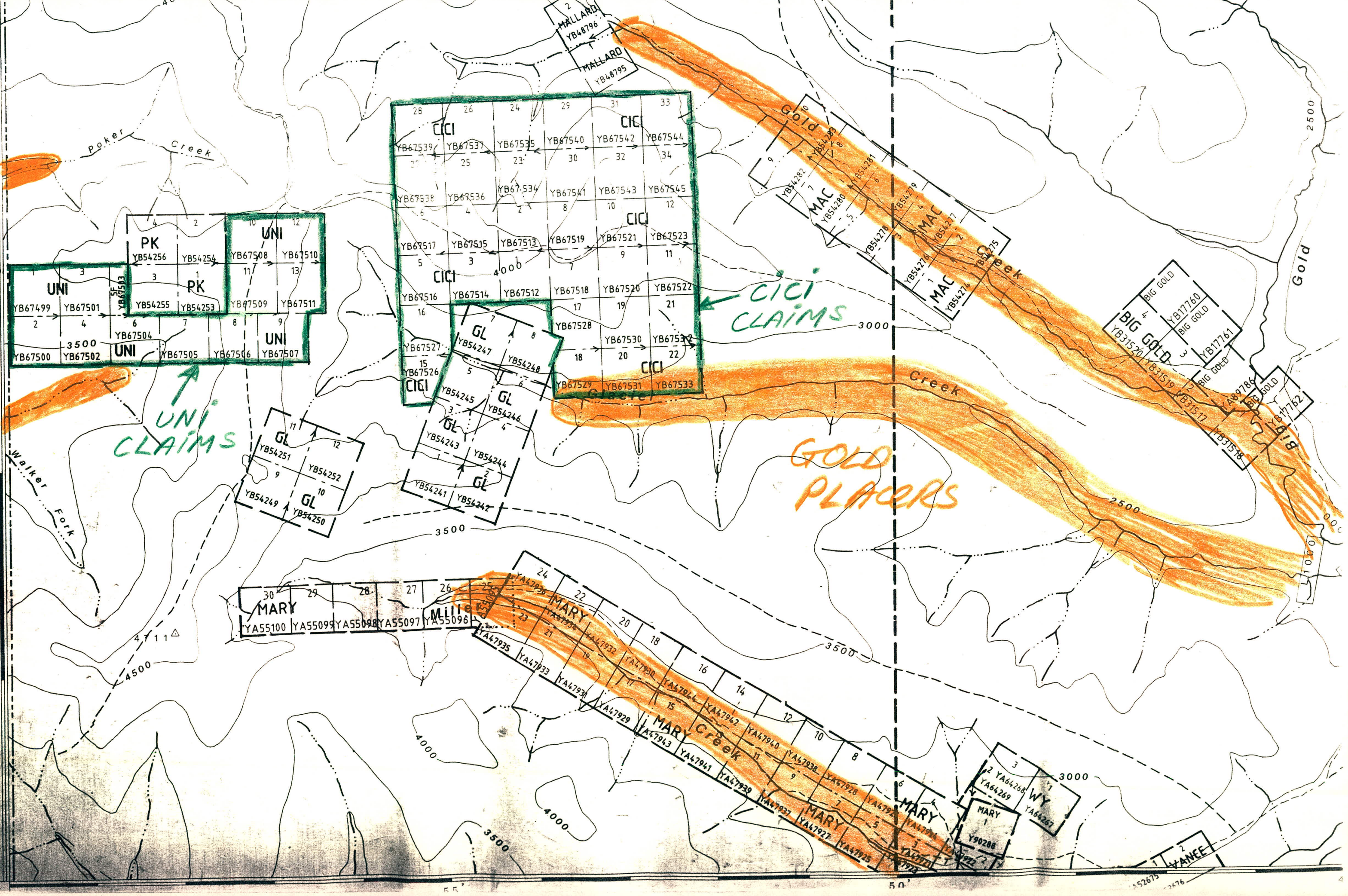
WY
YA64267

VANCE
1 2

BIG GOLD
YB17760 YB17761

BIG GOLD
YB31520 YB31519 YB31518

BIG GOLD
YB17762



UNI CLAIMS

CICI CLAIMS

GOLD PLACERS

005A

PROPOSED SOIL LINES

SILT SAMPLES

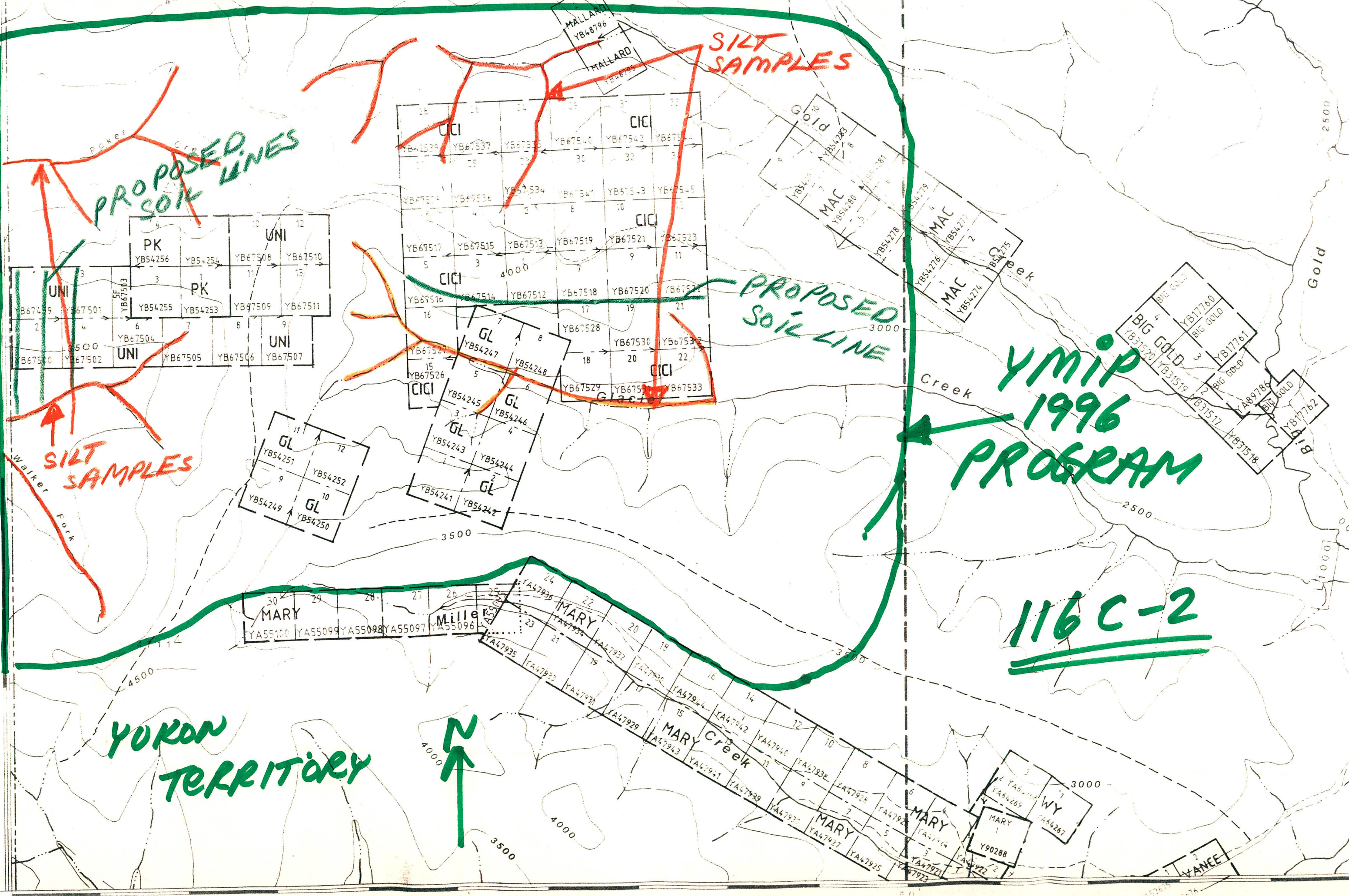
PROPOSED SOIL LINE

SILT SAMPLES

YMIP 1996 PROGRAM

116C-2

YUKON TERRITORY



MAP 1284A
GEOLOGY
DAWSON
YUKON TERRITORY

Geology by L.H. Green and J.A. Roddick, 1961

To accompany GSC Memoir 364 by L.H. Green

Scale 1:250,000

SOUTHERN PART

QUATERNARY

26 Unconsolidated glacial and alluvial deposits

TERTIARY

Quartz porphyry

24 Dark grey and brown andesite and basalt, commonly porphyritic; minor shale, sandstone, and conglomerate

23 Poorly consolidated, brown, buff, and grey, arkosic and micaceous sandstone, light and dark shale, poorly sorted conglomerate; minor lignite

METAMORPHIC ROCKS SOUTHWEST OF TINTINA TRENCH
(occurs only on Map 1284A, Dawson)

E Reddish brown-weathering, dark green serpentinized ultrabasic rocks

D Fine- to medium-grained, granitic textured, quartz-biotite gneiss; minor quartzite, quartz-mica and biotite-chlorite schist, and quartz-feldspar pegmatite

C Dark weathering greenstone and banded amphibolite gneiss; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone

B KLONDIKE "SCHIST": mainly buff weathering, light pale green quartz-muscovite-chlorite schist, and schistose, chloritic quartzite, with all intermediate rock types also present; minor silvery muscovite schist, fine-grained quartz-biotite gneiss, thinly laminated quartz-graphite-sericite schist and quartzite

A NASINA "SERIES": grey and grey-green micaceous quartzite; dark grey, light grey and silvery quartz-mica schist; minor fine-grained quartz biotite gneiss, graphitic schist and quartz-muscovite-chlorite schist, Aa, higher rank metamorphic rocks with biotite and garnet; Ab, coarsely crystalline, whitish limestone


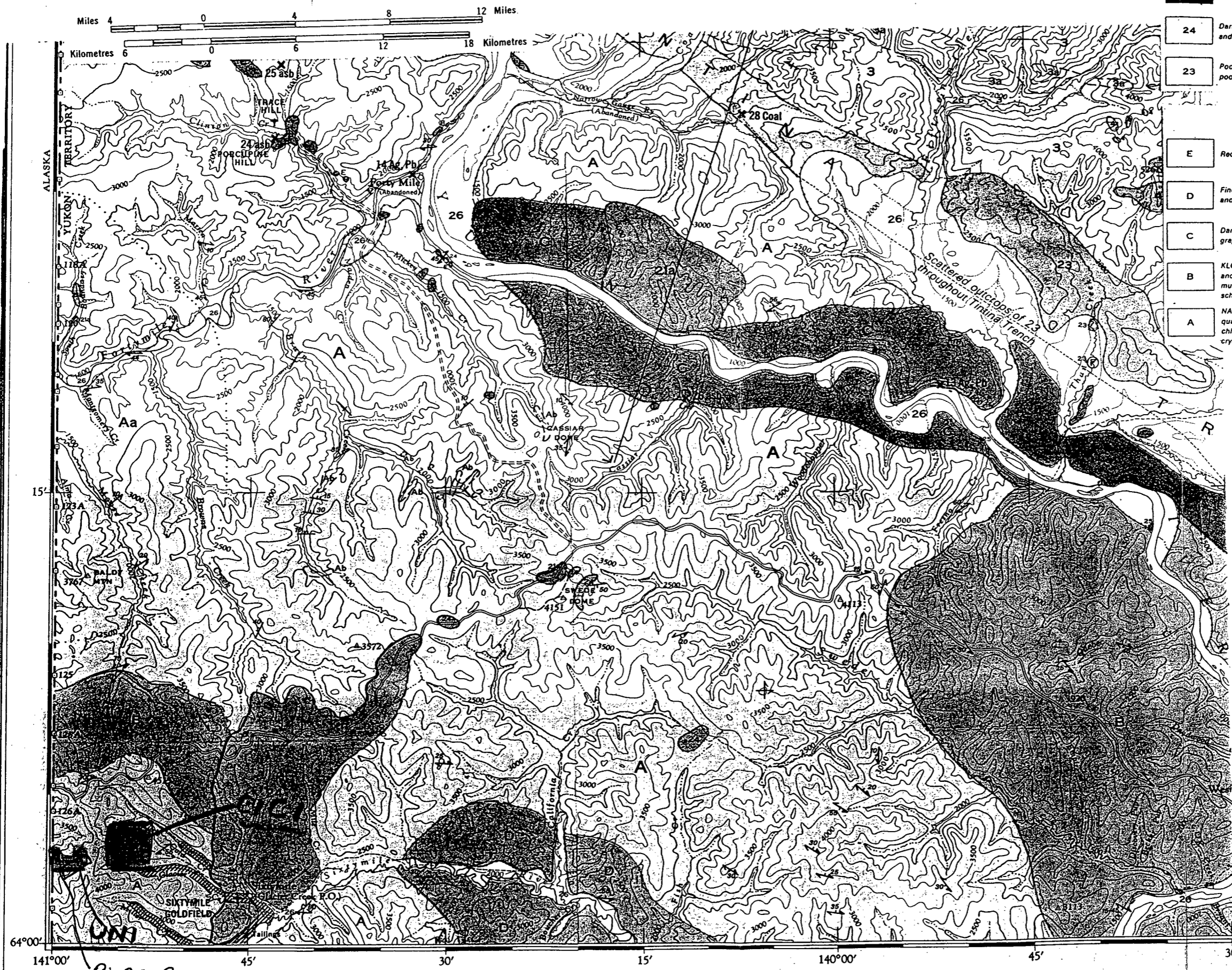
 PLACER
GOLD
WORKINGS

FIGURE #3
GEOLOGY MAP/CLAIMS
DAWSON MINING DIST.
NTS 116 C 2
DATE 7 NOV 1995
DRAWN by JP ROSS
SCALE 1:250,000



PLACER LEASO

MINIFILE #20 (ALASKA)

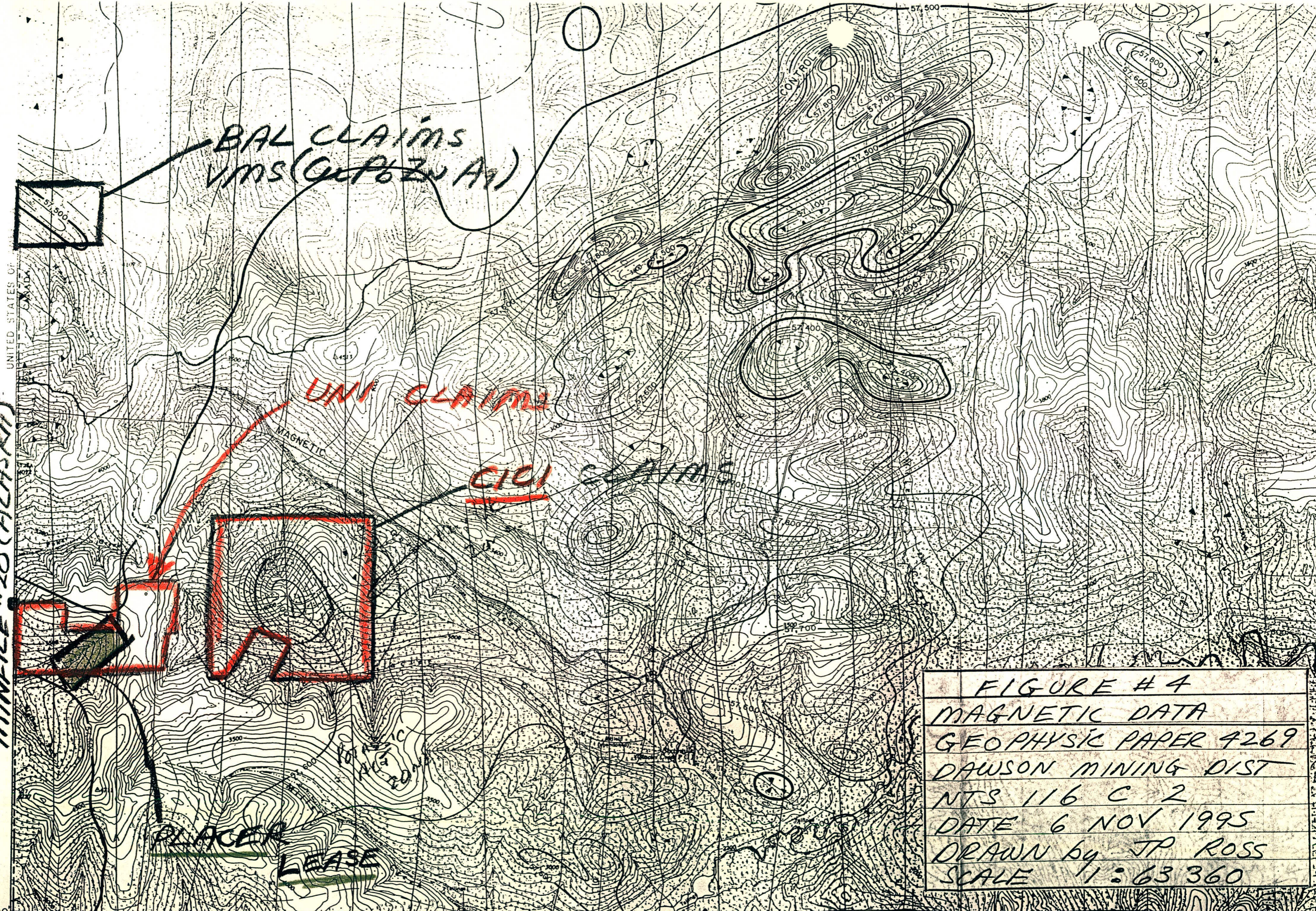


FIGURE #4
 MAGNETIC DATA
 GEOPHYSIC PAPER 4269
 DAWSON MINING DIST
 NTS 116 C 2
 DATE 6 NOV 1995
 DRAWN by JP ROSS
 SCALE 1:63360

64°00'

141°00'

55'

50'

4268G "Crag Mountain"

40'

35'

60 MILE PROJECT 1996
GRASSROOTS

The project is 100 miles west of Dawson City. Access is by gravel highway and rough placer mining roads. The area is on map sheet 116-C-2 in the Dawson mining division.

Work will be done on the CICI #1 (YB67512) - #12 (YB67523), #15 (YB67526) - #34 (YB67545) hard rock claims and on the UNI #1 (YB67499) - #13 (YB67511) hard rock claims. And adjacent areas.

Placer exploration will take place on PL 9739 (1 MILE) - claim sheet 116 C-2C.

Targets for the CICI, UNI claim areas are GOLD RICH volcanicogenic massive sulfides. The target for PL 9739 is placer gold.

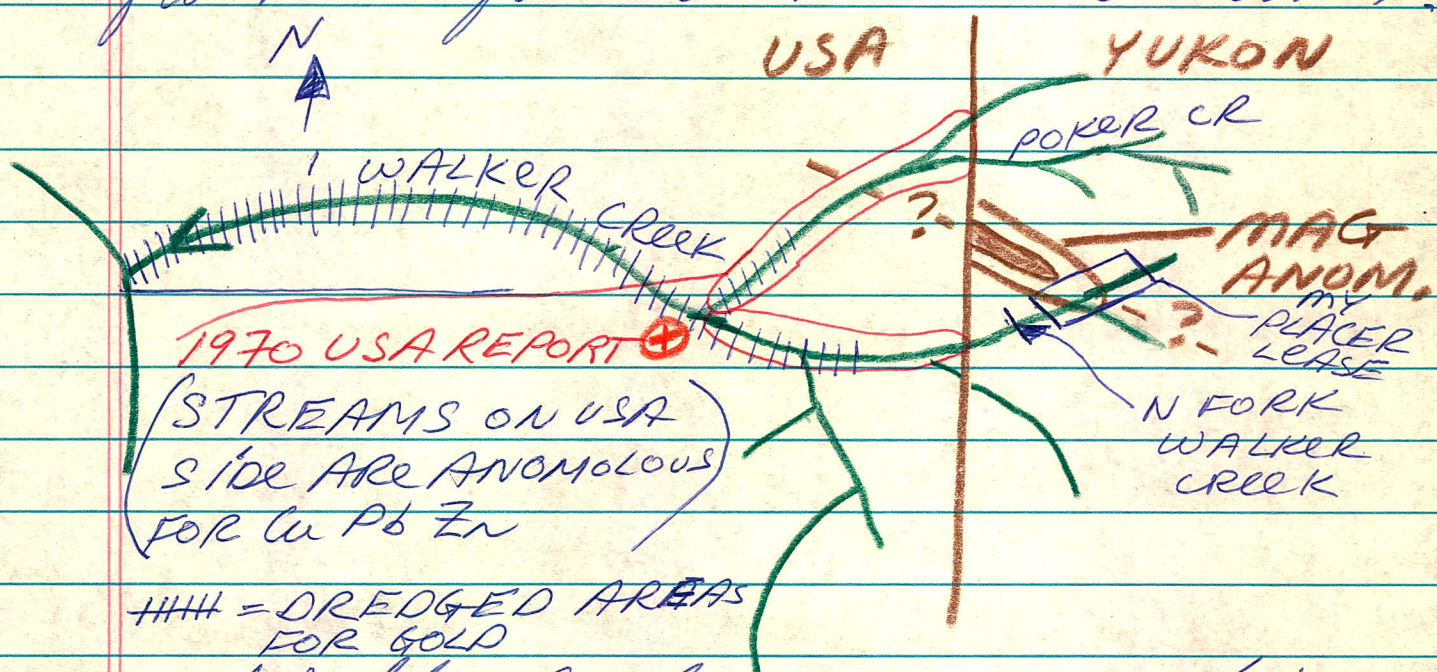
The CICI claims cover a circular magnetic anomaly which John Kowalchuk and I think may be a flat lying VMS deposit. Probably 500,000 to 1,000,000 ounces of gold
RECORDS

have been mined from Miller, Glacier, Little Gold creeks and their outwash on 60 mile river. According to locals and visual observation; the upper ends were not mined (no large tailings piles). Benches on Glacier Creek below the CICI claims (south slope) are at present staked for placer gold. Local miners (Brisebois Brothers) see calcopyrite in the sluice boxes. Past work by Noranda indicates the stream / gulch to north is weakly - moderately anomalous for Cu Zn Pb Ag (x Mo).

Streams to the north will be redone. A soil line (150' spacing) will be done across the southern slope. I plan to pan down large soil samples to concentrate values of base metals. The soils are leached as area was not glaciated. Gold will not be leached but large-concentrated samples will be more accurate.

The UNI claims cover a magnetic anomaly similar to that on the

BAL (-1- #6 = ARCHER CATHRO). According to Bob Carnes, placer mining for gold has occurred on Hall Creek (downstream on the USA side). Low grade gold placers are in Moose Creek which drains the PUB claims. Both Pub + ~~Hall~~ Bal are VMS targets - one VMS float was found on the Bal claims.



Walker Creek was dredged (steam engine) and stopped because of steep gradient in creek and lack of wood for boilers. At ~~X~~, lately 3 (90's) American miners produced in 100 days \$2,500,000 of gold, mostly coarse gold. On a bench - 25 feet deep. Access was poor to N Fork Walker Creek until 10 years ago

A:

when Al Toma built a rough
TOTE Road.

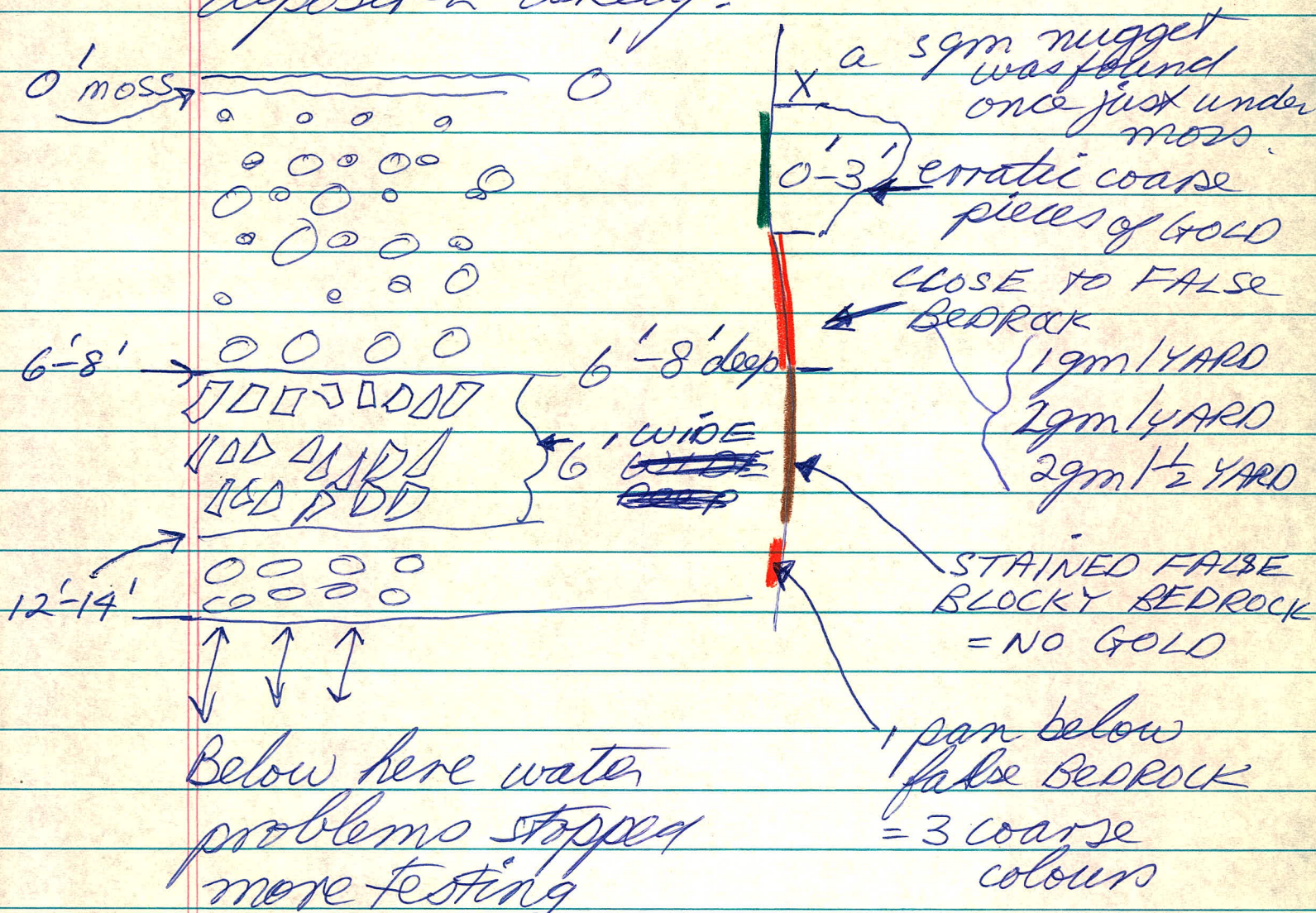
According to Al rough coarse
(some crystalline) gold occurs in the
overburden + top gravels of the
creek.

So I plan to take (1 pail) samples
of the overburden starting from south
to north. At 150' intervals. Samples
will be panned and sampled
for Au + 30 element ICP.

According to Brisebois brother
many gold pieces in Poker Creek are
black! * Al Toma's gold sample
has black gold, crystalline rough,
flat, white, orange, yellow specimens.
Manganese has caused the black
stains. Also Al has seen white,
gray, + brown stains in the creek
bed. I do not ^{see} the significance yet.

* Both areas have produced a lot of
gold and no source has been located.
No glaciation means the gold must be a
local source. My theory is that gold
comes from Au rich VMS deposits or
(Au strataform - sim. VMS deposits).

Placer gold has been recovered up to 600' below my 1 mile placer lease. Gold has been found all over - I think the rocks are coming out of the area to the north. An ELUVIAL deposit as well as ALLUVIAL deposit is likely.



Above diagram was described to me by Al Torma. From what I saw in a recent cat cut - it seemed accurate to me.

6.

I plan to test 2-3 pits for gold (6' x 6' x 6' in volume) or hopefully 8 cubic yards per pit.

* In Al's claim area, no one has seen the bedrock. He estimates it to be 23-25 feet deep.

References

① BOB CARNES - ARCHER CATHRO
Personal communication

② JOHN KOWALCHUCK EDA

③ AL TOMA - PLACER MINER

④ BRISBOIS BOYS - PLACER MINERS

GEOCHEMISTRY + GEOLOGY

BOUNDARY AREA - 40 MILE DISTRICT
EAGLE A-1 QUAD, ALASKA

by R. R. ASHER

GEOCHEMICAL REPORT NO. 23

Sept 1970

ASSESSMENT REPORT #091797

by MARY WEBSTER 1986

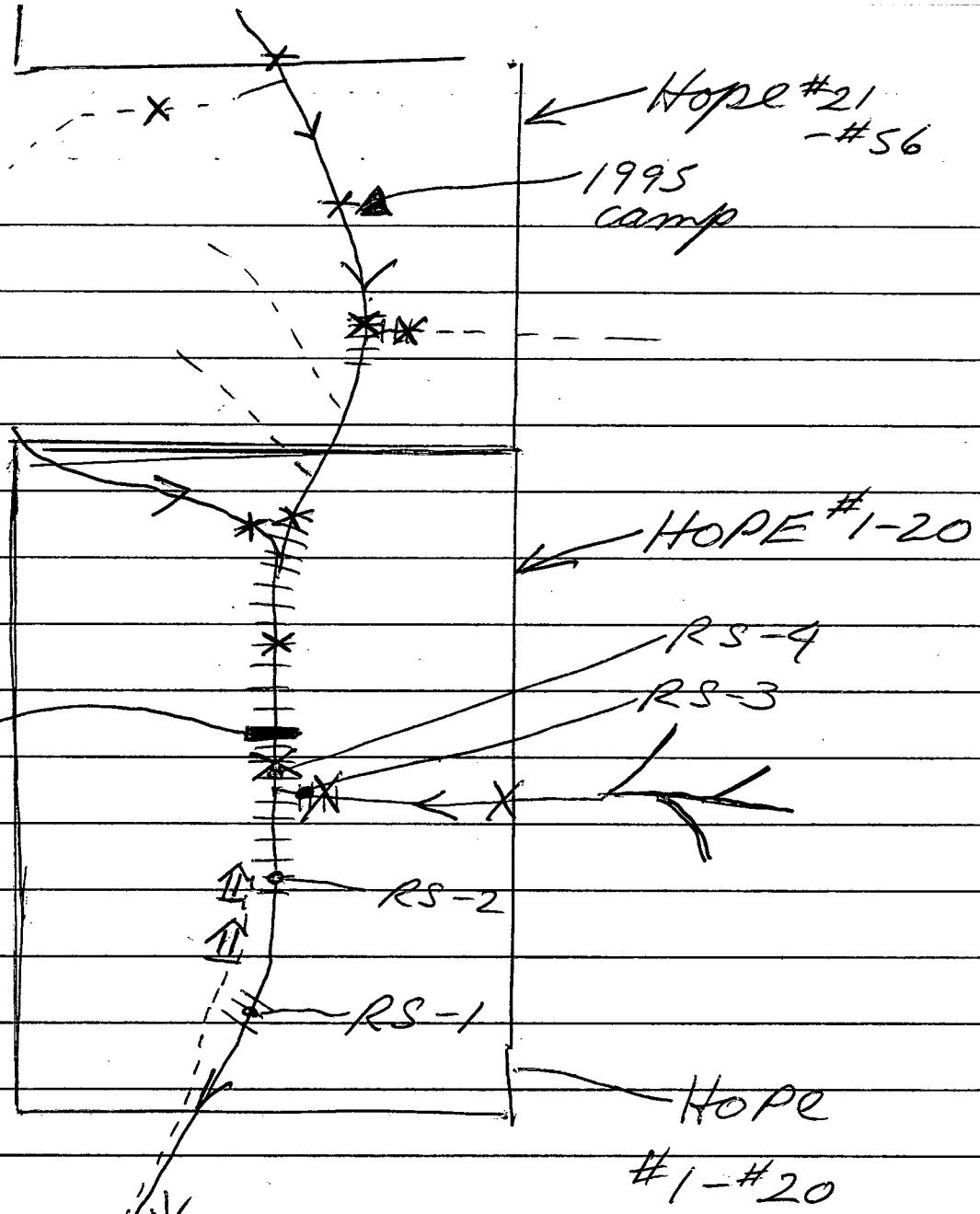
NORANDA REPORT ON LGC

#1-129 CLAIMS

≡ Bedrock
 ↑ 2 houses
 of placer
 mines

N
 ↑
 ↓
 S

WATER
 FALL



PLACER
 ROAD
 from KLUANE
 LAKE
 and via
 4th July
 Creek.

RUBY CREEK

| 1994 | Au - mesh 80+150 | mesh -150 |
|------|---------------------|--------------|
| RS 1 | 2931 | 425 |
| RS 2 | 5848 | 420 |
| RS 3 | 42 | 25 |
| RS 4 | 3138 | 553 |

PPB.

X PROPOSED SILTS for 1996
 10 new sites
 (2 to be redone for
 references)

HOPE PROJECT - 1996
GRASSROOTS

The project is 42 miles north west of Haines Junction by Trans North helicopter. The most south claims Hope #3-10, #13-20 can be easily reached by 4x4 truck to a placer camp on Ruby Creek. One can walk up the creek (mostly a canyon or gravel bed) or go by a good horse trail (hunter) on east side of creek up to the upper end of creek. The HOPE #1 (YB54665) - HOPE #20 (YB54684) were staked and recorded in 1994 Sept. The Hope #21 (YB57905) to Hope #56 (YB57940) were staked and recorded in 1995 June. The CLAIMS are on map SHEET 115 H4 in the WHITE HORSE mining division.

In 1994 I prospected the area for GOLD mesothermal veins similar to the KILLER Au project - 6 km to the east. One float rock ran .789 oz Au / Ton, 7.1 ppm Ag, 64 ppm As. A bland ^{ANGULAR} white rock when cut showed 2 specks of visible gold inside. At

present a placer. miner is (was) testing the gravels and finding small coarse gold. Some pieces are sharp edged, some are ^{of a} crystalline structure and many have red-brown-orange quartz inclusions in the nuggets. Soon the placer miner will go into small scale mining production. The gold is of local origin, not glacial. A large shear goes along Ruby Creek. The target is a mesothermal Au vein system, similar to Ruby Au project.

In 1994, 4 silt samples were taken. 2 Bags of -8 mesh were taken from moss mats on bedrock. Then tested for Au @ -80 mesh +150 mesh (2) +150 mesh (100 gm) by acme for .2 ppb detection using a cyanide bottle roll.

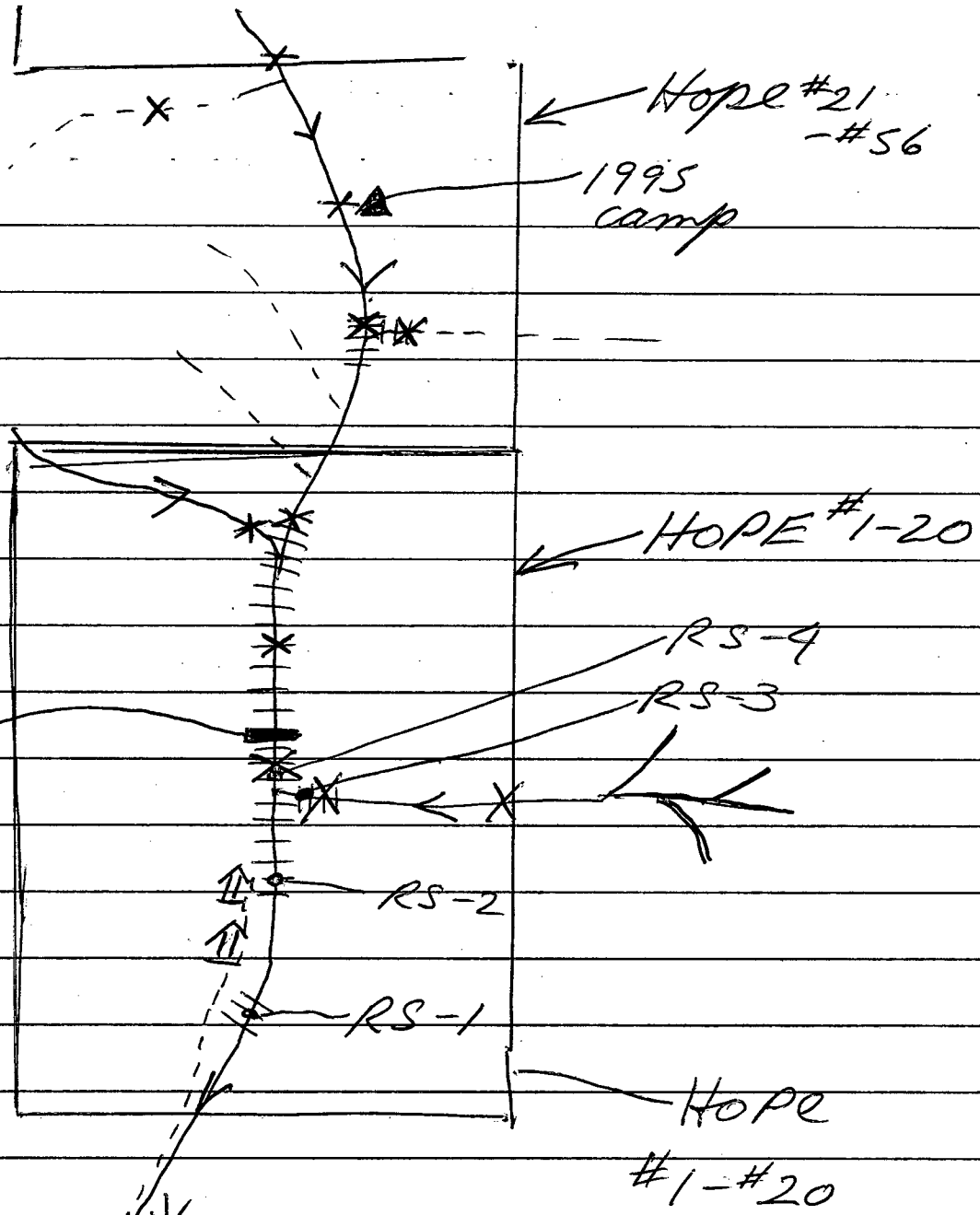
In 1995, no silts were taken as the main stream was too high. * I think that one can get samples for silts in the early morning, then the water level is quite low.

In 1996 I will take 10 more silt samples (target to get 100 gm for -150 mesh), and prospect in the

≡ Bedrock
 ↑ 2 houses of placer miners

N
 ↑
 ↓
 S

WATER FALL



PLACER ROAD
 from KLUANE LAKE
 and via 4th July Creek.

RUBY CREEK

| 1994 | Au - mesh -80+150 | mesh -150 |
|------|-------------------|-----------|
| RS 1 | 2931 | 425 |
| RS 2 | 5848 | 420 |
| RS 3 | 42 | 25 |
| RS 4 | 3138 | 553 |

PPB.

X PROPOSED SILTS for 1996
 10 new sites
 (2 to be redone for references)

4

creek bottoms and slopes.
On the ~~RUB~~ RUBY Au project
about 4 kinds of mineralized
veins are present. One type is a
sulphide barren quartz with
visible gold; similar to my .789
oz Au/ton float I found in 1994.

* Work will be done on Hope #5, #15,
#3, #13, #1, #11
#21 - #36
mostly.

References

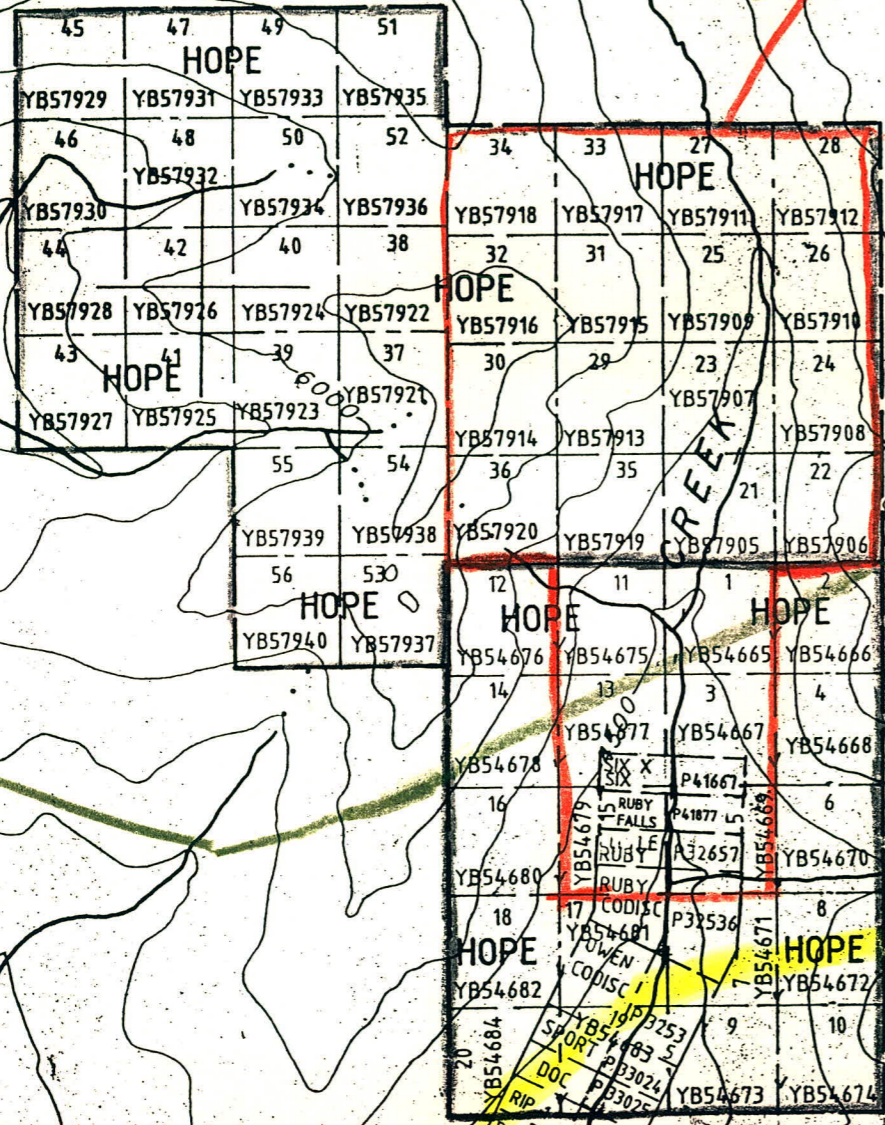
YMIP Summary of work
94-05 J. Peter Ross

YMIP summary of work
95 J. Peter Ross

Personal communications
Big Bud Contracting - placer miner
B. McKinnon

Trevor Bremner
DIAND

POSSIBLE IN 1996
 MOST WORK IN 1996



HOPE CLAIMS 1995

HOPE CLAIMS 1994

KILLER Au PROJECT

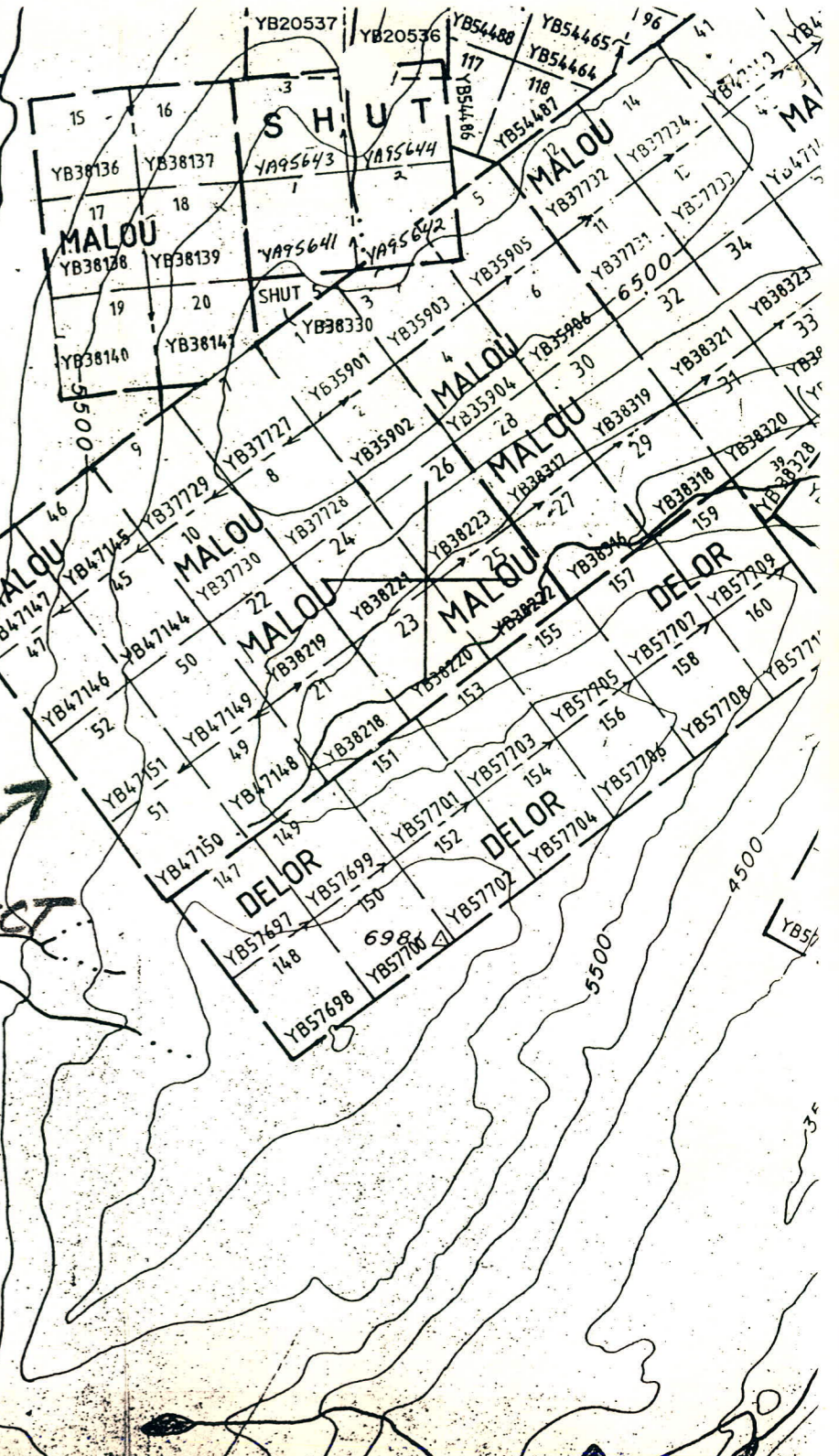


FIGURE #2
 CLAIM LOCATION MAP
 WH. MINING DIST.
 NTS 115 H A
 DATE 6 NOV 1995
 DRAWN by JP ROSS
 SCALE 1:31,680

Y.M.I.P

1996

Peter Ross

BOX 4842

WHITEHORSE

YUKON TERRITORY

CANADA Y1A 4N8

9
JUNE 96

Left Whitehorse to go to
Alaska to get data on 40 mile
-Boundary area. Planning to
stake claims in USA and claims
in Canada to complement the
UNI-CIC1 claims under option
to MADRONA

180,755 (Rebuilt motor)

10
JUNE 96

181,098

problem
motor

Stop HJ fix it

fan belt
(transmission)
noise

181,269

Klucare wilderness
ledge
drain trans.
look metal
=NO LE

11

JUNE 96

Alaska

921 DELTA JUNCTION, 70

mechanic for warranty work.

12
JUNE 96

WARRANTY WORK done

DELTA JLT. 181,799
#40 OOSA

13
JUNE 96

In Fairbanks.

Bought maps { State
data { federal.
university }

181,989 FAIRBANKS

→ gas up!

14
JUNE 96

gas: OK
182,362 Km

sleep - ready to go
to Dawson

Drive to Dawson City

Truck problems - stalling

Stopped just east of Chicken City.

Fuel pump taken off - hitch hiked
to Dawson City with people who
got nabbed for impaired driving
en way.

Stayed at hotel

15

JUNE 96

~~Drive to Dawson City.~~

~~Truck problems. Stalls~~

~~Near just past Chicken Creek~~

Bought fuel pump.

Hitch ride back with "born

again" christians in a "big boat"

truck. Winibago??

Back to truck with new
fuel pump. Tire is flat!

Slept in truck at an angle.

Picked up D& 1 - D& 2 behind
eat house at campsite at Davis
gulch - near border. When
hitching!

16

JUNE 96

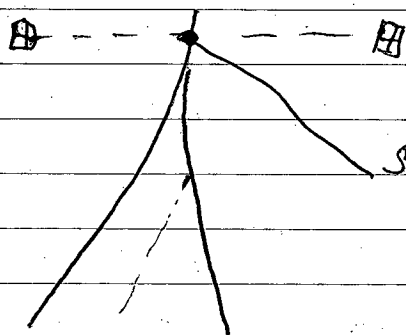
Fixed fire. Drove to Dawson
City!! Little worn out now!

17
JUNE 96

Drove out to Peter Creek area.
Brought along 32 Posts for 16
claims. Won't use all of them. Had
to shovel snow in 1 place. Area is
dry for placer miners and also it
seems some narrow areas have up to
20-30 feet of glaciers. Should be a
bad year for fires and some placer
miners

18
JUNE 96

Putting tags on to posts. Got
caught in a rain storm so did
not finish the most north line.



VS-1

SILT SAMPLE

- moss

- twig in

branches

- drain

mag.

anomaly

) (
saddle

Claim inspector came by.

19

JUNE 98

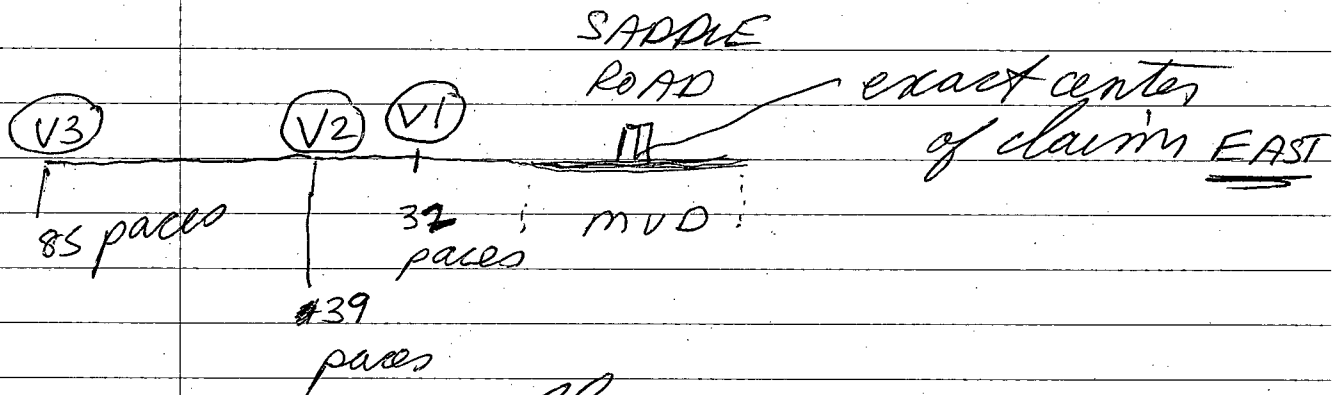
2 placer miners came by, 1
small cat + 1 4x4. 2 broken
from Manitoba.

Rain + Hail in PM - did not
go out!

20

JUNE 96

finished tagging back row -
nothing interesting



all V1 on road
V2 embedded in it
V3 actually

3 are over the
magnetic anomaly

21
JUNE 96

Finished off putting TAGS on
CIC claims. Got back at 1⁰⁰ am
next morning. Rained a lot and
even with rain gear it was a
miserable experience.

I saw bedrock on upper end
of Glacier Creek - shallow and not
too many feet of gravel on it. Recent
testing but no old tailings.
Locals had said upper Glacier Cr
has very little gold.

22

JUNE 96

Last night wore me out. Ready
to go but at 1⁰⁰ PM or so - looked
bad and 2-2³⁰ or so - hail, rain
for 3 hours or so.

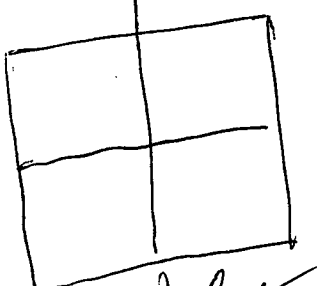
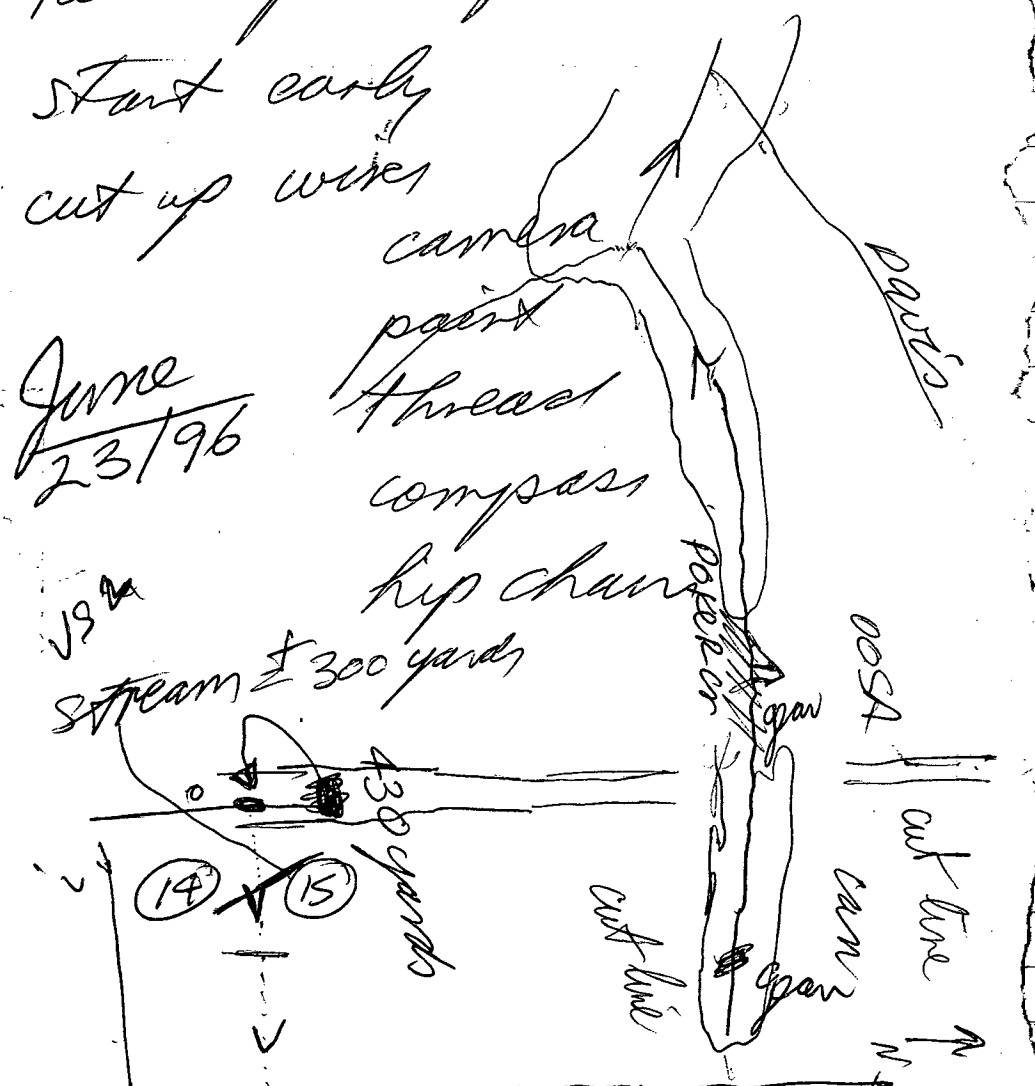
Did not go out.

take 8 photos for bank
 start early
 cut up wires

June
 23/96

camera
 paint
 thread
 compass
 hip chair

stream \pm 300 yards

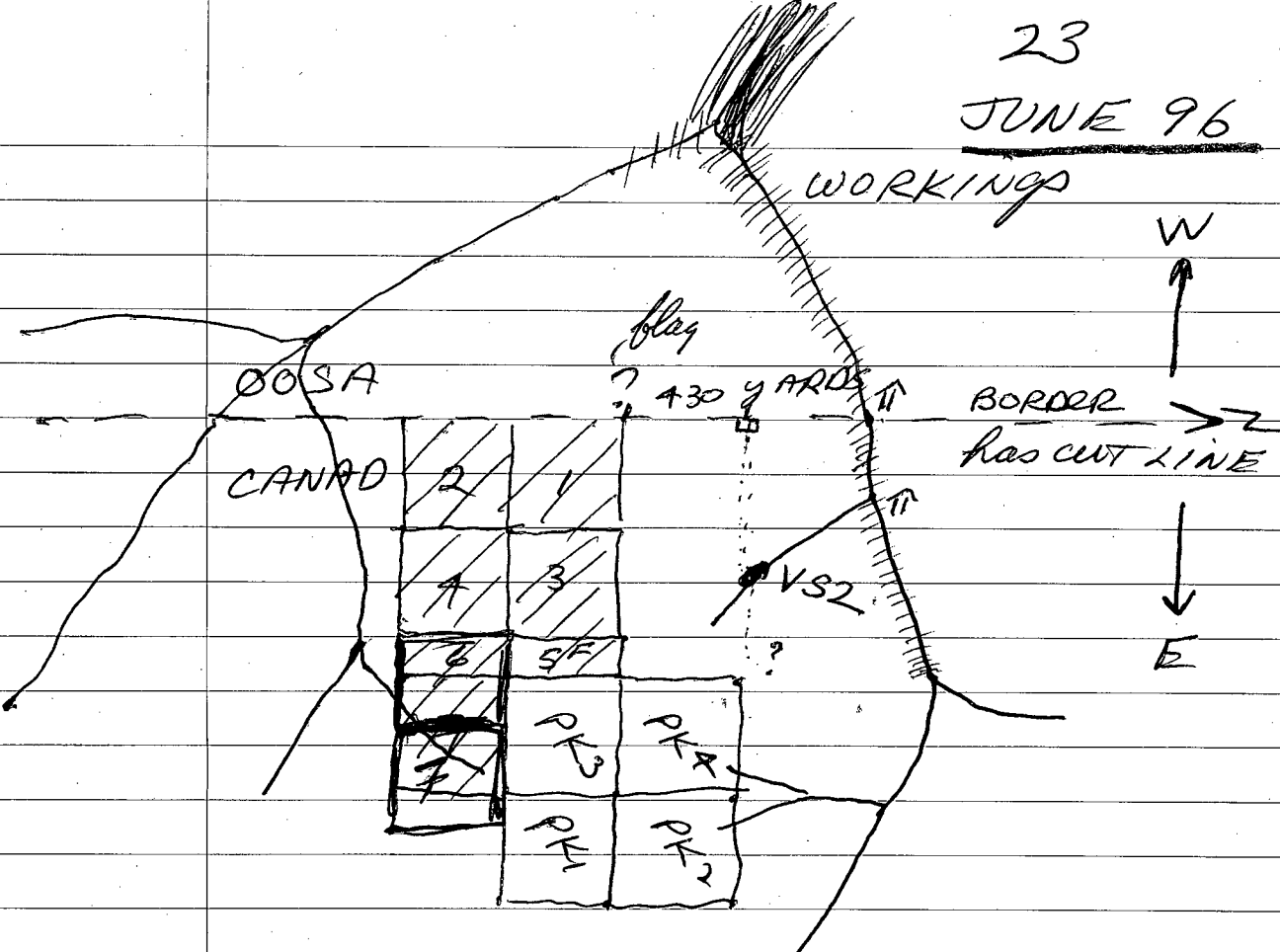


few photos taken

| | |
|---------|---------|
| NO. 1 | NO. 1 |
| UNI | UNI |
| (15) | (14) |
| E | E |
| 1500' L | 1500' R |
| 0' R | 0' L |
| 23 | 23 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

\pm 10 PM

23
JUNE 96



VS2 silt (mop mats)

* hip chain malfunction
 so must find
 line of PK4 on
 29 JUNE

(4¹⁰ PM)

Met a guy (Bedrockcr)
 + talked too much
 - so left late.

| | |
|--------|--------|
| NO. 1 | NO. 1 |
| UNI | UNI |
| (15) | (19) |
| E | E |
| 1500'L | 1500'R |
| 0'R | 0'L |
| 23 | 23 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

EAST END

| | |
|-------|-------|
| NO. 2 | NO. 2 |
| UNI | UNI |
| (17) | (10) |
| 24 | 24 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

4³⁰ PM

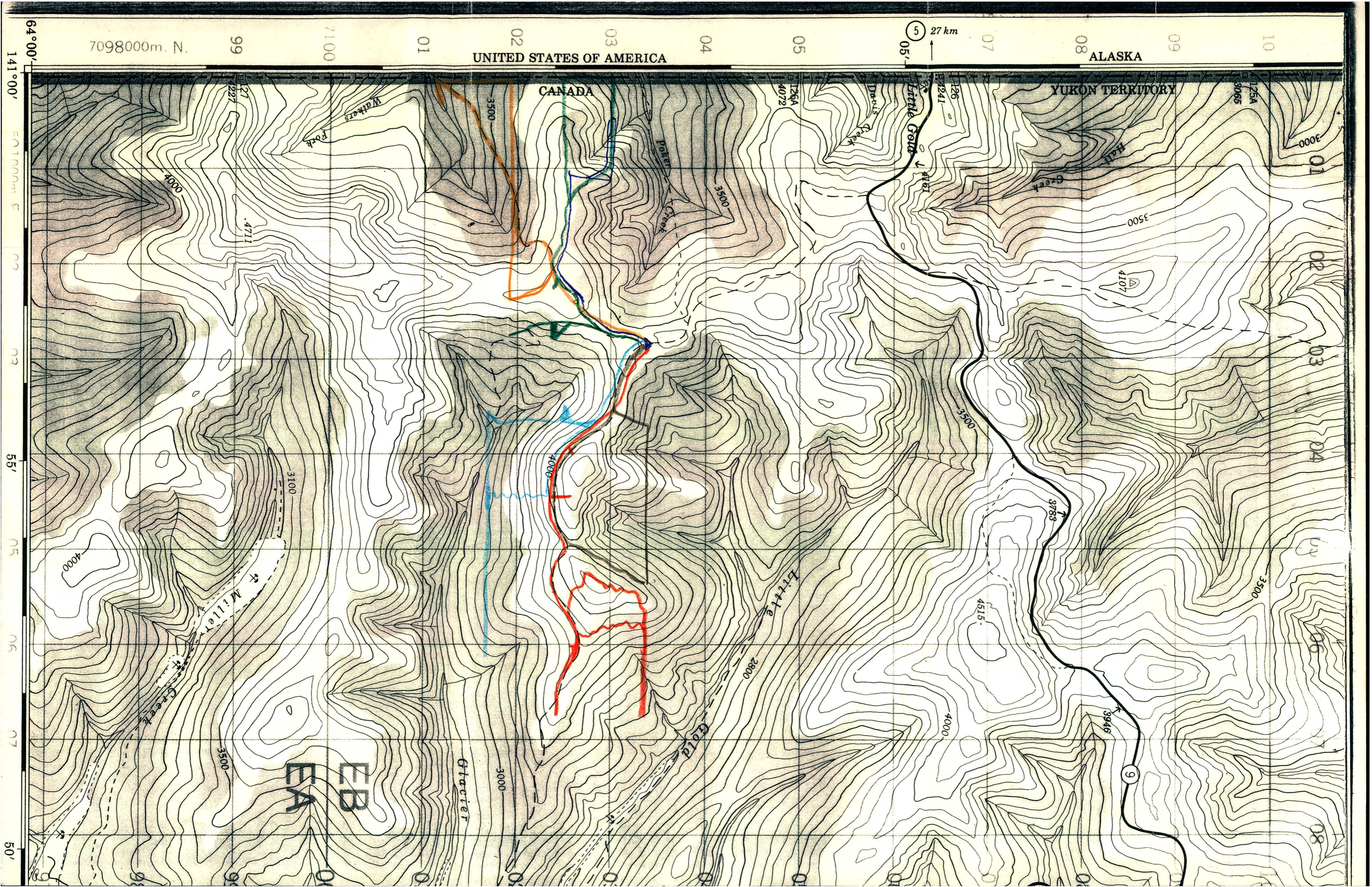
photos ✓

Stream

260 405/410

| | |
|--------|--------|
| ROSS | ROSS |
| JP | JP |
| 1996 | 1996 |
| JUNE | JUNE |
| 24 | 24 |
| 8'R | 0'L |
| 1500'L | 1500'R |
| E | E |
| (17) | (10) |
| UNI | UNI |
| NO. 1 | NO. 1 |
| NO. 2 | NO. 2 |
| UNI | UNI |
| (15) | (14) |
| 24 | 24 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

8²⁰ PM photos ✓



7098000m. N.

UNITED STATES OF AMERICA

ALASKA

CANADA

YUKON TERRITORY

27 km

64°00'
141°00'
50'

99 01 02 03 04 05 07 08 09 10

7100

01 02 03 04 05 06 07 08 09 10

EA
EB

Glacier

3000

Gold

2800

Little Gault

4515

3783

9

3946

3500

3500

4107

125A
3065

3000

Waters Fork

Poker Creek

Duclos Creek

Little Gault

Creek

Halt

Millet

Creek

3500

4711

4000

27
227

~~JUNE 18~~

JUNE 18 96

JUNE 20 96

JUNE 21 96

JUNE 23 96

JUNE 24 96

JUNE 25 96

Nothing new

Davis Creek

4000

3000

Little

MALLARD
YB48796

MALLARD
YB48795

Gold

2500

UNI
poker
very narrow
Creek

used
old
paths

(15)
(17)
(14)
(16)

PK
YB54256 YB54254 YB67508 YB67510

UNI
YB67499 YB67501 YB54255 YB54253 YB67509 YB67511

YB67500 YB67502 UNI YB67505 YB67506 YB67507

28 26 24 29 31 33
CICI
YB67539 YB67537 YB67535 YB67540 YB67542 YB67544
27 25 23 30 32 34

YB67538 YB67536 YB67534 YB67541 YB67543 YB67545
6 4 2 8 10 12
CICI

YB67517 YB67515 YB67513 YB67519 YB67521 YB67523
5 3 1 9 11
CICI

YB67516 YB67514 YB67512 YB67518 YB67520 YB67522
16 17 19 21
YB67528
YB67527 YB54247 YB67530 YB67532
15 18 20 22
YB67526 YB54248
5
CICI
YB67529 YB67531 YB67533

MAC
YB54282 YB54283
7 8

MAC
YB54280 YB54281
5 6

MAC
YB54278 YB54279
3 4

MAC
YB54276 YB54277
1 2

MAC
YB54274 YB54275
1 2

BIG GOLD
YB17760
YB31520 YB31519 YB31517 YB31518
4 3 2 1

BIG GOLD
YB17761
YB17762
1 2

Gold

Creek

2500

Walker Fork

GL
YB54251 YB54252
9 12
YB54249 YB54250
10

GL
YB54243 YB54244
1 2
YB54241 YB54242
3 4

3500

MARY
YA55100 YA55099 YA55098 YA55097 YA55096
30 29 28 27 26

MARY
YA47936 YA47935 YA47934 YA47933 YA47932 YA47931
24 23 22 21 20 19

MARY
YA47930 YA47929 YA47928 YA47927 YA47926 YA47925
18 17 16 15 14 13

MARY
YA47944 YA47943 YA47942 YA47941 YA47940 YA47939
16 15 14 13 12 11

MARY
YA47944 YA47943 YA47942 YA47941 YA47940 YA47939
15 14 13 12 11 10

MARY
YA47944 YA47943 YA47942 YA47941 YA47940 YA47939
15 14 13 12 11 10

4500

4000

3500

3000

1000

WY
YA64268
YA64269

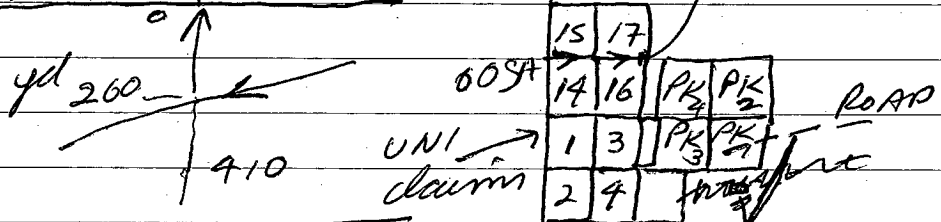
24
JUNE 96

EAST END

| | |
|-------|-------|
| NO. 2 | NO. 2 |
| UNI | UNI |
| (17) | (16) |
| 24 | 24 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

4³⁰ PM

V4 - float
 found at
 #2 POSTS



| | |
|-------|-------|
| ROSS | ROSS |
| JP | JP |
| 9661 | 9661 |
| JUNE | JUNE |
| 24 | 24 |
| 0, 0 | 0, 0 |
| 1500' | 1500' |
| F | F |
| (E1) | (91) |
| NO | NO |
| NO | NO |

8³⁰ PM

V5 - float
 found
 where I
 parked
 gmc
 today
 - strange
 black rock
 + sulfides

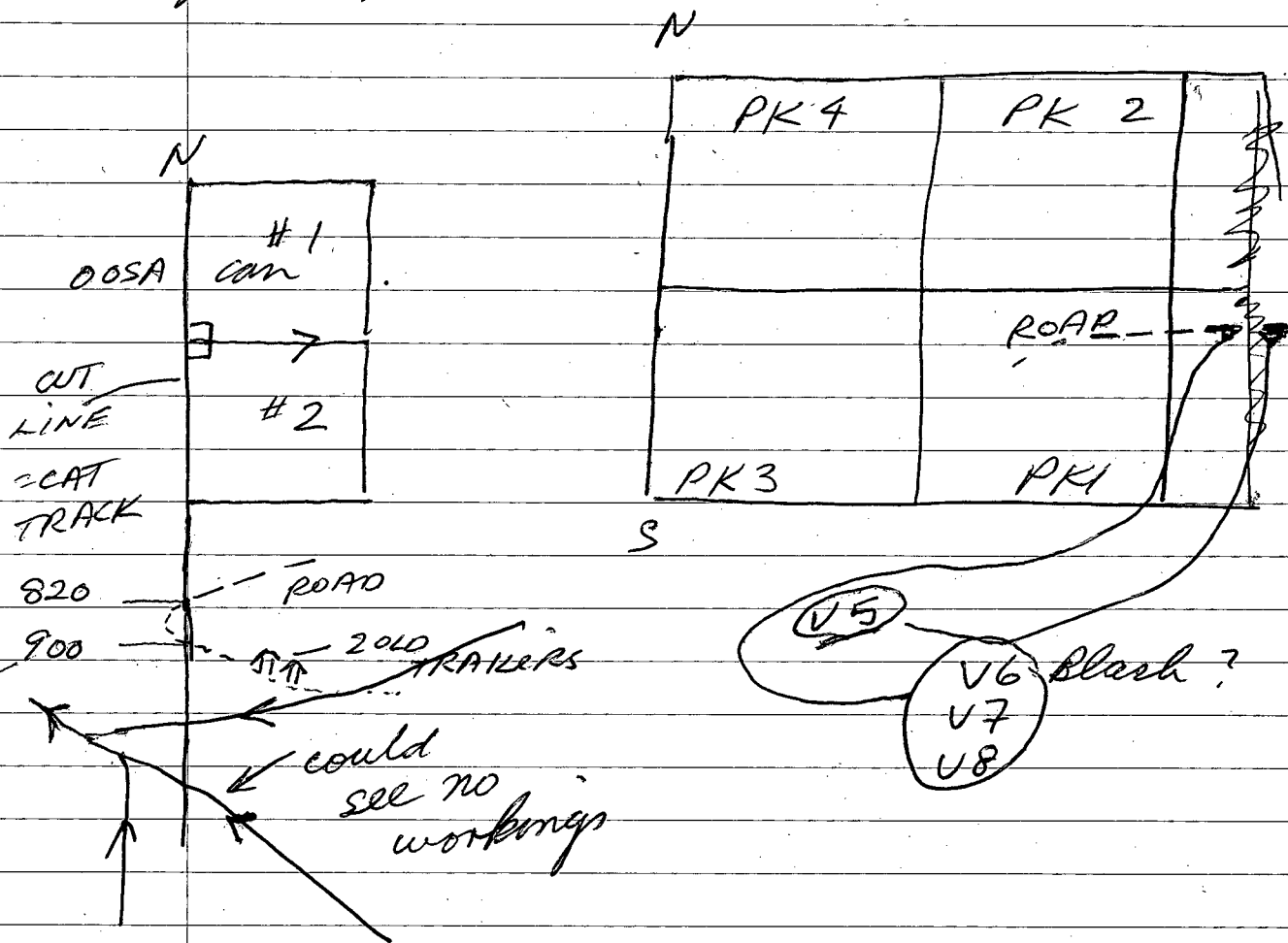
| | |
|-------|-------|
| NO. 2 | NO. 2 |
| UNI | UNI |
| (15) | (14) |
| 24 | 24 |
| JUNE | JUNE |
| 1996 | 1996 |
| JP | JP |
| ROSS | ROSS |

24

25
JUNE 1996

Did all tags

Road is sloppy when wet and
soon will be undrivable if no
grading.



26

JUNE 96

Staked UNI 14-17

Left Dawson City 183,014
km

27

JUNE 96

9n White Horse

now 183,595 KM

28

JUNE 96

Left Whitehorse → Haines

Junction.

183,615

29

JUNE 96

Flew into upper Ruby Creek
to old campsite.

Took HS-1 - silt close to
camp. Try to get 2 bags →
100 gm of -150 mesh for
Au test. Moss mats.

Water very low now - good
for silts.

Just realized my gun
has a lock on it + I have
no key!

Took background rock -
-SCHIST!

30

JUNE 96

Rain + fog most of day.
Streams now too high for
good silt.

Took 1 silt HS-2 at
~~the~~ eastern gulch - mostly moss
mats or roots - bedrock close by

Took 2 bedrock samples.
1 to North - 1 to South where
^{brownier?}
bear dug a hole.

HR-1 North

HR-2 bear pit
-3

1
JULY 96

Did not go out. RAIN

+Fog all day!

2

JULY 96

More rain than 1 July.

Did not go out. Stream now
so high I cannot believe it.

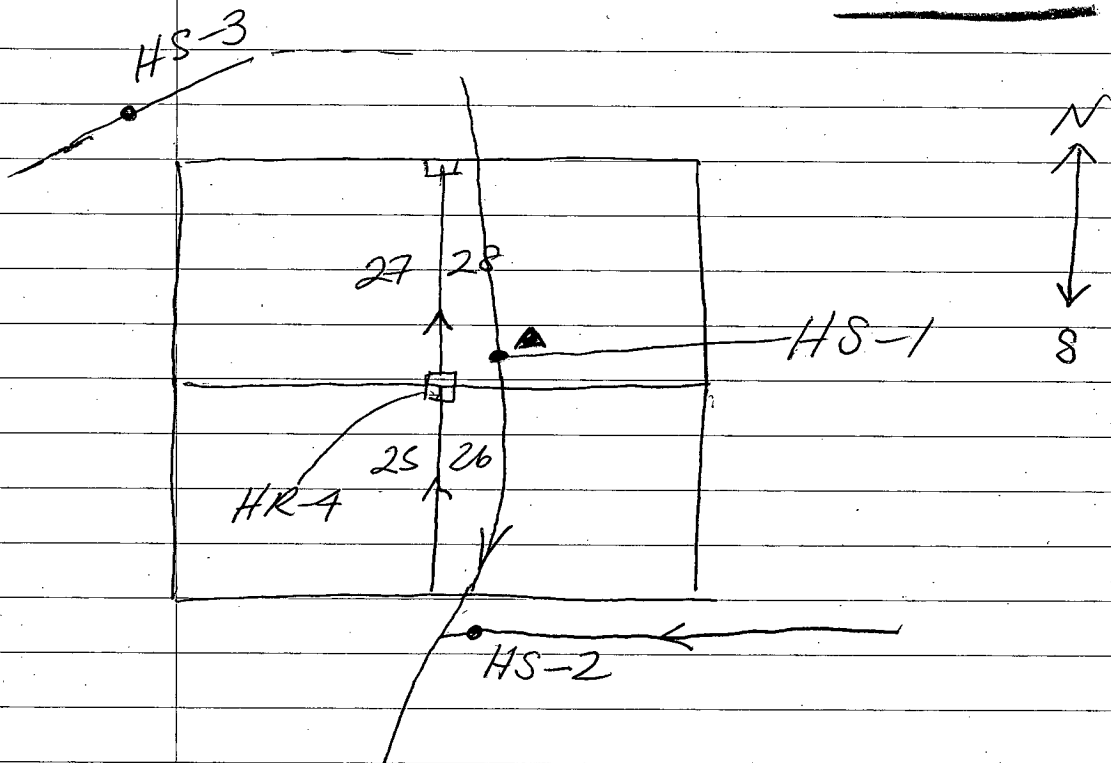
Too high to get silts!

3

JULY 96

3rd day of RAIN. Now 5
days - no Hot meal. Water still
too high to cross easily. Too high
to see moss mats. Water, tho,
down from yesterday!

4
JULY 96



HR-4 stained float

HS-3 silt on steep slope

- moss mats

- most H₂O underneath

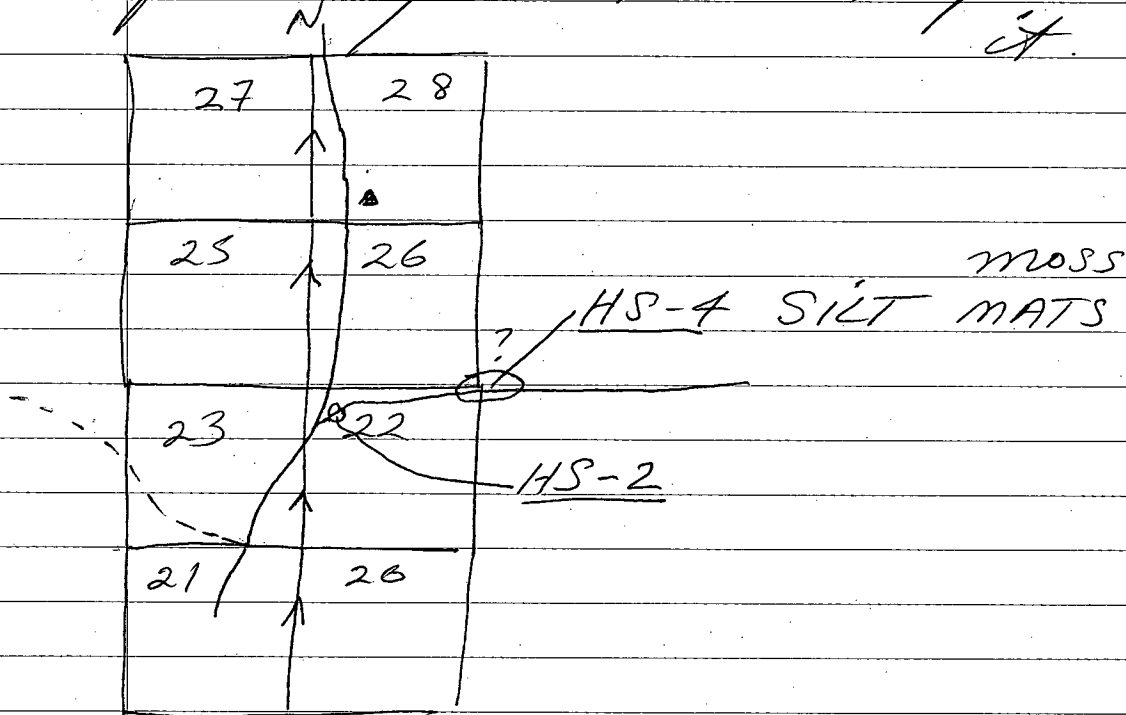
CLAIM

* PROBLEM = MAP incorrect

5

JULY 96

Some animal ran through
my radio antenna and dragged
it away a bit and broke it -
probably a caribou! Spliced
it.



ACE
#021735

JUNE 29 1966

JUNE 30 1966

JULY 4 1966

JULY 5 1966

JULY 6 1966

| | | | |
|---------|---------|---------|---------|
| 45 | 47 | 49 | 51 |
| HOPE | | | |
| YB57929 | YB57931 | YB57933 | YB57935 |
| 46 | 48 | 50 | 52 |
| HOPE | | | |
| YB57930 | YB57932 | YB57934 | YB57936 |
| 44 | 42 | 40 | 38 |
| HOPE | | | |
| YB57928 | YB57926 | YB57924 | YB57922 |
| 43 | 41 | 39 | 37 |
| HOPE | | | |
| YB57927 | YB57925 | YB57923 | YB57921 |
| HOPE | | | |
| YB57939 | YB57938 | YB57920 | YB57919 |
| 56 | 530 | 12 | 11 |
| HOPE | | | |
| YB57940 | YB57937 | YB54676 | YB54675 |

SPRING

| | | | |
|---------|---------|---------|---------|
| 34 | 33 | 27 | 28 |
| HOPE | | | |
| YB57918 | YB57917 | YB57911 | YB57912 |
| 32 | 31 | 25 | 26 |
| HOPE | | | |
| YB57916 | YB57915 | YB57909 | YB57910 |
| 30 | 29 | 23 | 24 |
| HOPE | | | |
| YB57914 | YB57913 | YB57907 | YB57908 |
| 36 | 35 | 21 | 22 |
| HOPE | | | |
| YB57914 | YB57913 | YB57905 | YB57906 |
| 14 | 13 | 3 | 4 |
| HOPE | | | |
| YB54678 | YB54677 | YB54667 | YB54668 |
| 16 | 15 | 5 | 6 |
| HOPE | | | |
| YB54680 | YB54679 | YB54669 | YB54670 |
| 18 | 17 | 7 | 8 |
| HOPE | | | |
| YB54682 | YB54681 | YB54671 | YB54672 |
| 20 | 19 | 9 | 10 |
| HOPE | | | |
| YB54684 | YB54683 | YB54673 | YB54674 |

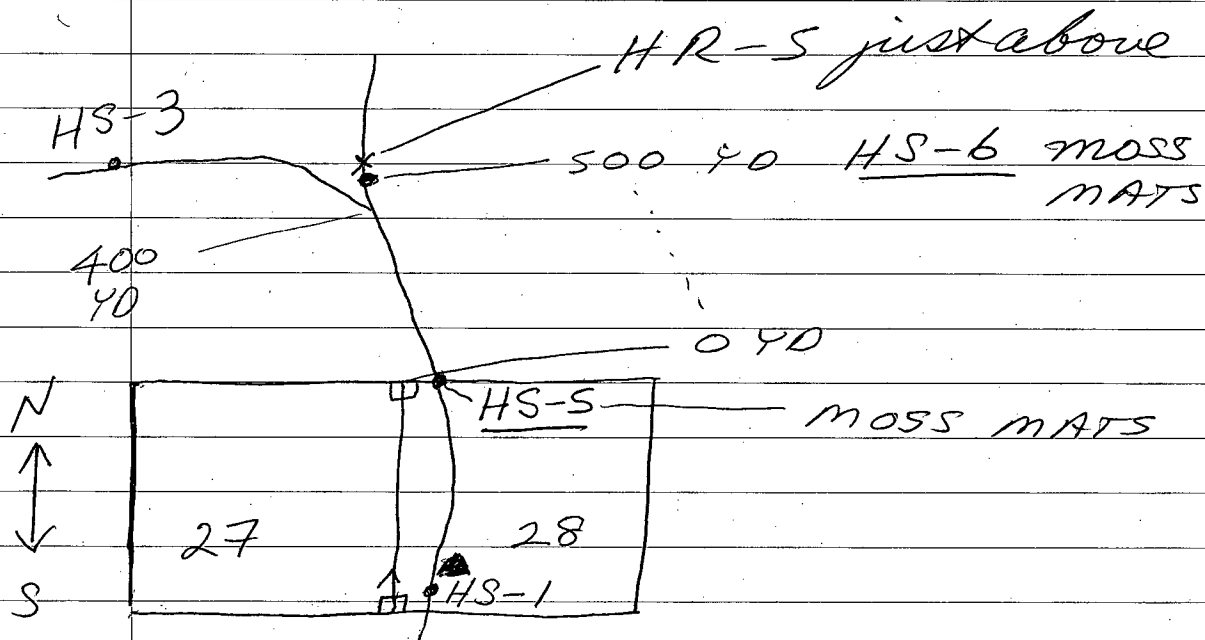
ROAD

GEN 227009

- YB54684
- RIP 1 P41446
- RIP 2 P41447
- RIP 3 P41448
- RIP 4 P41449
- RIP 5 P41450
- CAVEMAN P41451
- CAVEMAN P41452
- CAVEMAN P41453
- CAVEMAN P41454
- CAVEMAN P41455
- CAVEMAN P41456
- CAVEMAN P41457
- CAVEMAN P41458
- CAVEMAN P41459
- CAVEMAN P41460

DUN
CO-DIS
P41792
C.

6
JULY 96



HR-5 limonitic
quartz in
fractures

7

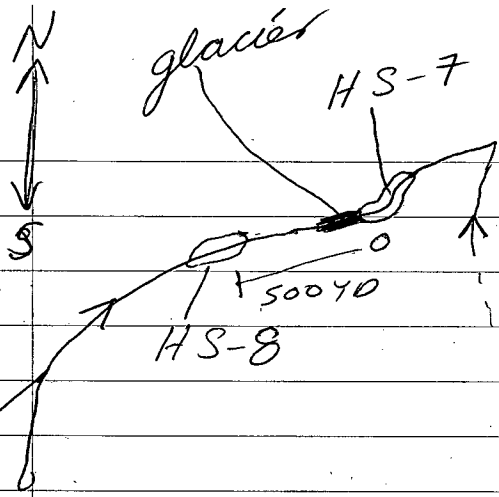
JULY 96

Drizzle in morn. In PM (1-3)

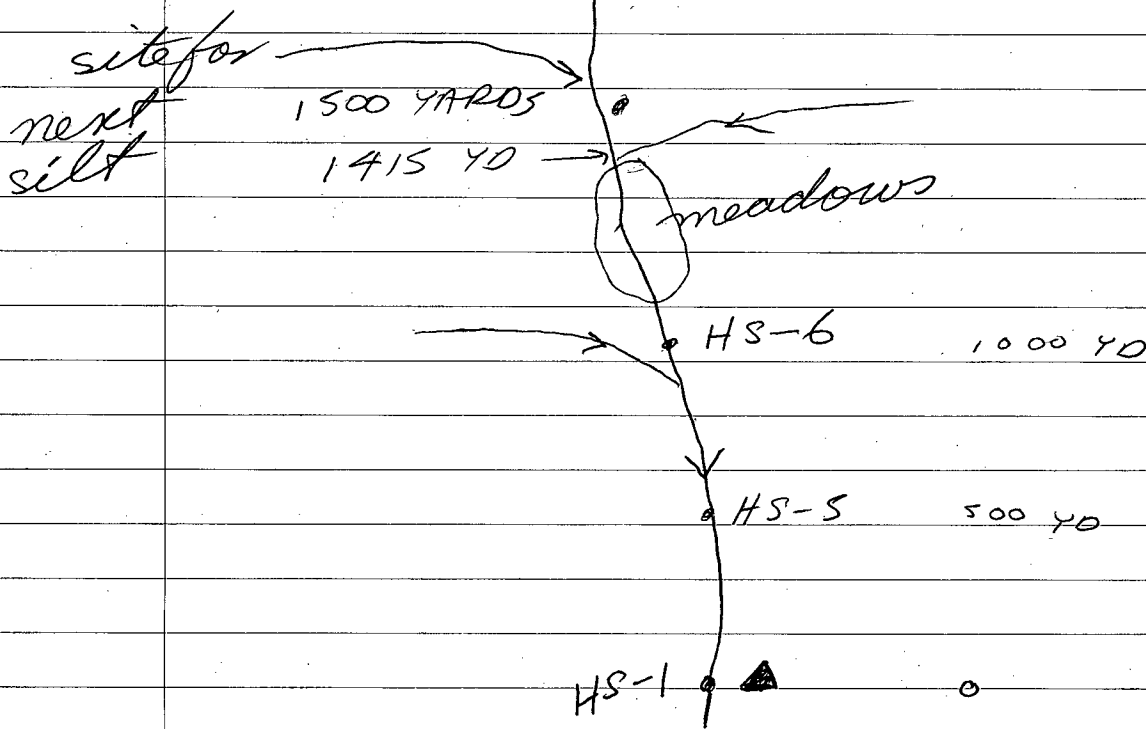
light rain. overcast - did not

go out - cleared up at 4³⁰-5⁰⁰.

8
JULY 96

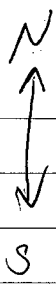


in stream
HS-7 and up
- mafic rock
- schist twisted
?? close to
something ??
?? TOM RICHARDS
ALTERATION
COURSE !!!



9

JULY 96



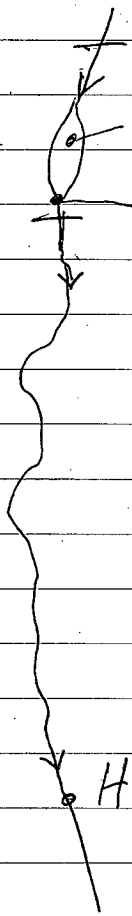
HS-9 moss mats (500 yd)

HR-6 in Stream
close to EAST side

- twisted altered
- limonite, quartz
- some sulfides
- black needle crystals

lot variety
Rocks
glacial
till??

HS-6 (1000 yd)



10

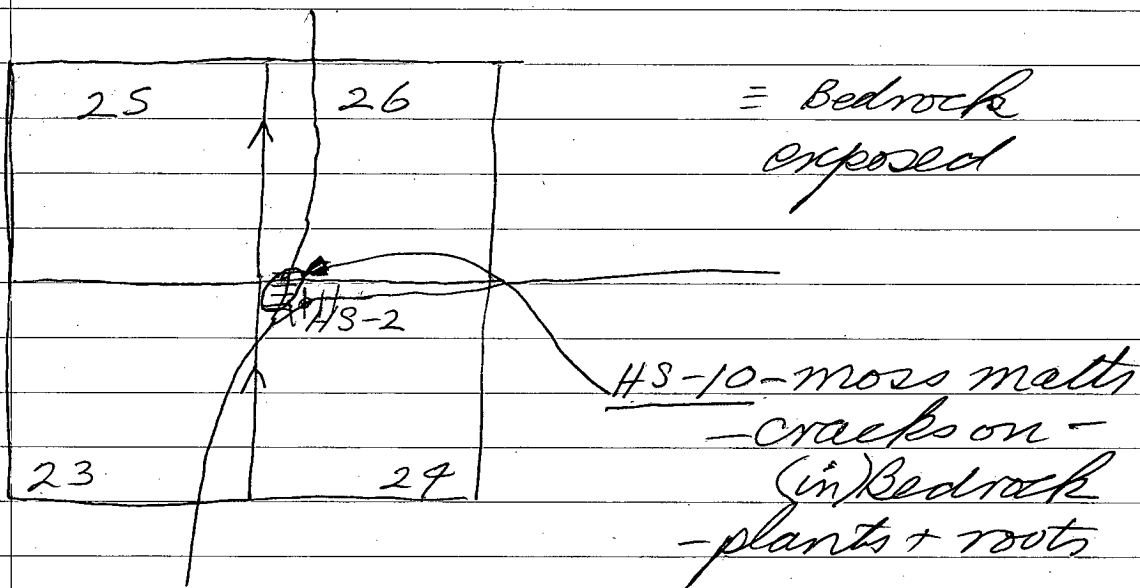
JULY 96

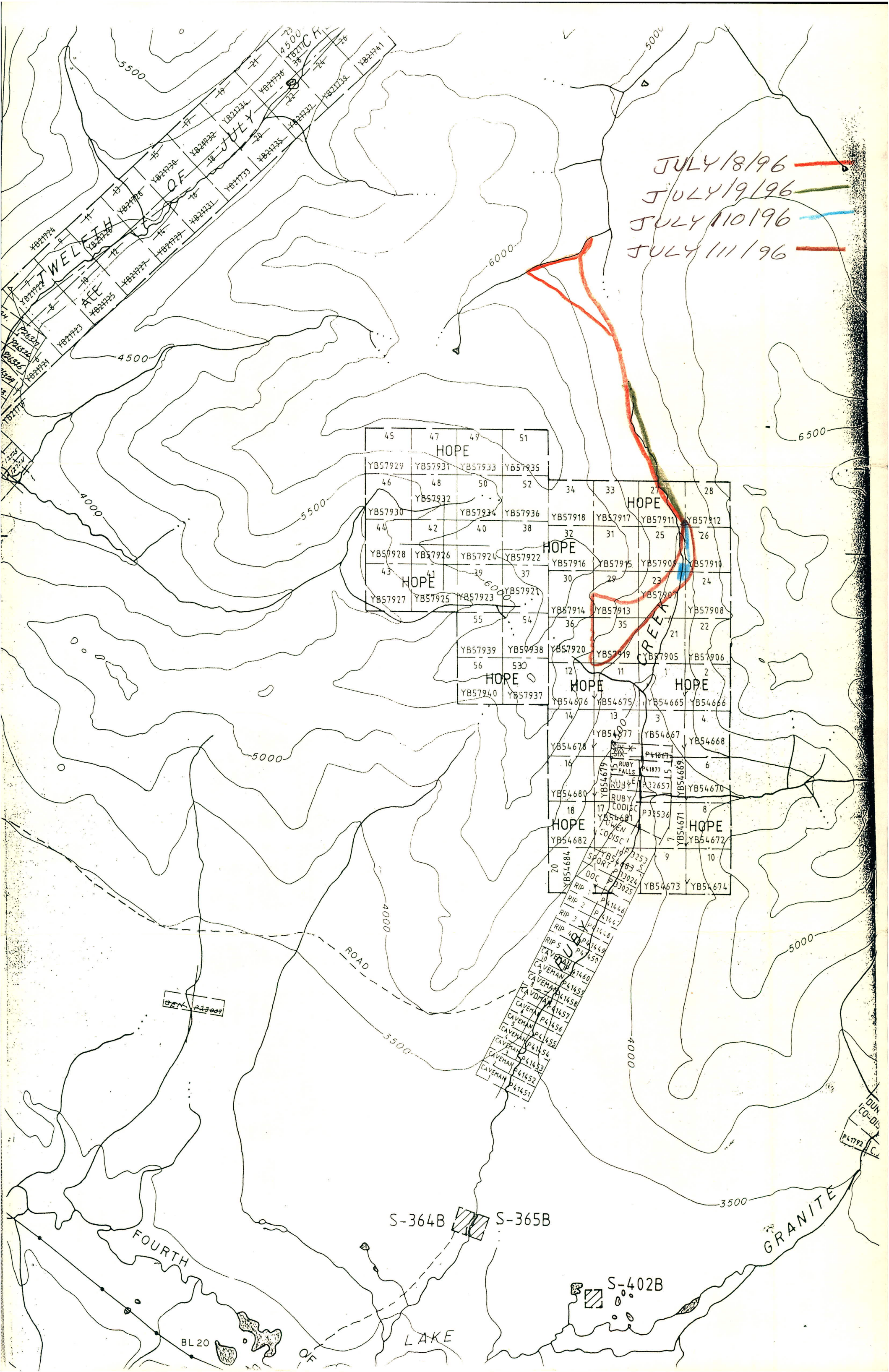
9n morning light rain.

Later fell asleep + woke up in

PM and cleared up so went

out - got back at 10^{PM}





JULY 18/196
JULY 19/196
JULY 110/196
JULY 111/196

| | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| HOPE | | | | | | | |
| 45 | 47 | 49 | 51 | | | | |
| YB57929 | YB57931 | YB57933 | YB57935 | | | | |
| 46 | 48 | 50 | 52 | 34 | 33 | 27 | 28 |
| YB57930 | YB57932 | YB57934 | YB57936 | YB57918 | YB57917 | YB57911 | YB57912 |
| 44 | 42 | 40 | 38 | 32 | 31 | 25 | 26 |
| YB57928 | YB57926 | YB57924 | YB57922 | YB57916 | YB57915 | YB57909 | YB57910 |
| 43 | 41 | 39 | 37 | 30 | 29 | 23 | 24 |
| YB57927 | YB57925 | YB57923 | YB57921 | YB57914 | YB57913 | YB57907 | YB57908 |
| 55 | 54 | | | 36 | 35 | 21 | 22 |
| YB57939 | YB57938 | YB57920 | YB57919 | YB57919 | YB57905 | YB57906 | |
| 56 | 530 | 12 | 11 | 1 | 2 | | |
| HOPE | HOPE | HOPE | HOPE | HOPE | HOPE | | |
| YB57940 | YB57937 | YB54676 | YB54675 | YB54665 | YB54666 | | |
| 14 | 13 | 3 | 4 | | | | |
| YB54678 | YB54677 | YB54667 | YB54668 | | | | |
| 16 | 15 | 6 | 6 | | | | |
| YB54680 | YB54679 | YB54669 | YB54670 | | | | |
| 18 | 17 | 8 | 8 | | | | |
| HOPE | HOPE | HOPE | HOPE | | | | |
| YB54682 | YB54681 | YB54671 | YB54672 | | | | |
| 20 | 19 | 9 | 10 | | | | |
| YB54684 | YB54683 | YB54673 | YB54674 | | | | |

- RIP 1 P4144
- RIP 2 P4144
- RIP 3 P4144
- RIP 4 P4144
- RIP 5 P4144
- CAVEMAN P4145
- CAVEMAN P4146
- CAVEMAN P4145A
- CAVEMAN P4145B
- CAVEMAN P4145C
- CAVEMAN P4145D
- CAVEMAN P4145E
- CAVEMAN P4145F
- CAVEMAN P4145G
- CAVEMAN P4145H
- CAVEMAN P4145I
- CAVEMAN P4145J
- CAVEMAN P4145K
- CAVEMAN P4145L
- CAVEMAN P4145M
- CAVEMAN P4145N
- CAVEMAN P4145O
- CAVEMAN P4145P
- CAVEMAN P4145Q
- CAVEMAN P4145R
- CAVEMAN P4145S
- CAVEMAN P4145T
- CAVEMAN P4145U
- CAVEMAN P4145V
- CAVEMAN P4145W
- CAVEMAN P4145X
- CAVEMAN P4145Y
- CAVEMAN P4145Z

S-364B S-365B

S-402B

FOURTH

LAKE

GRANITE

BL 20

DUN
CO-DIS
P41792

11

~~_____~~
JULY 96

Put some Fags on. Hill
quite steep. Nothing worth
testing seen.

Put # 2/29 on # 2/30
by mistake
vice-versa

12
JULY 96

Back i WHITEHORSE!

183,998

615
383 KM

21
JULY 1996

Left Whitehorn

189,100 km

22

JULY 1996

Had to call up Madonna
Mining Ltd + mine recorder - so
could not go out.

23

JULY 1996

Weather poor am. Now at

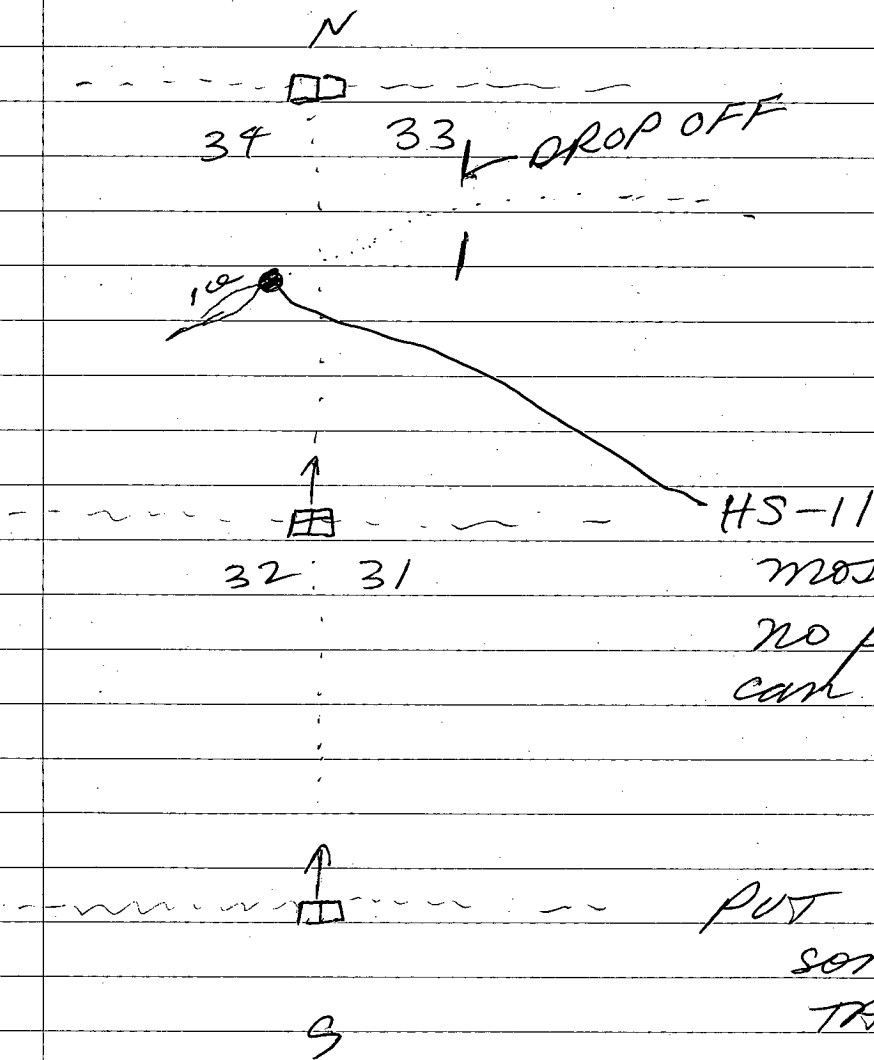
PM - good.

Did not go out

24

JULY 96

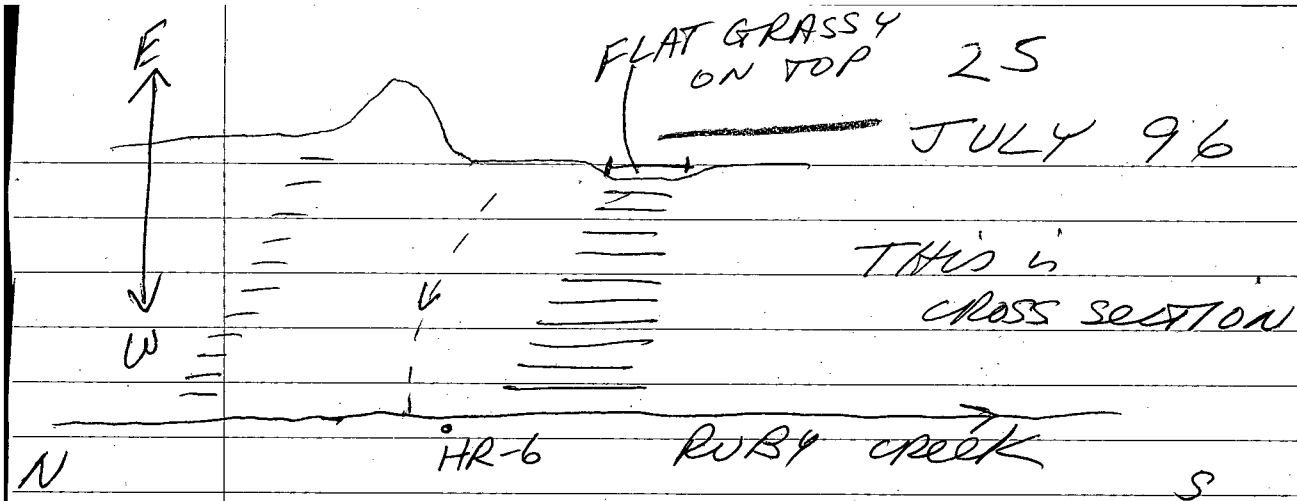
Flew out at 8⁰⁰ am.



mess math
no paint &
car broken!?

PUT ON
some
TAGS

NO FLOAT seen
worth testing



JUST NOTICED - TO EAST
across valley 2 \equiv = ? = thrusts
TOOK PHOTOS.

A / cathro mentioned a
dividing line - good / bad
schist! Maybe this is it.
Good = altered - ready for
mineralization
= to NORTH

26

JULY 96



E

38

37



40

39



42

41



44

43

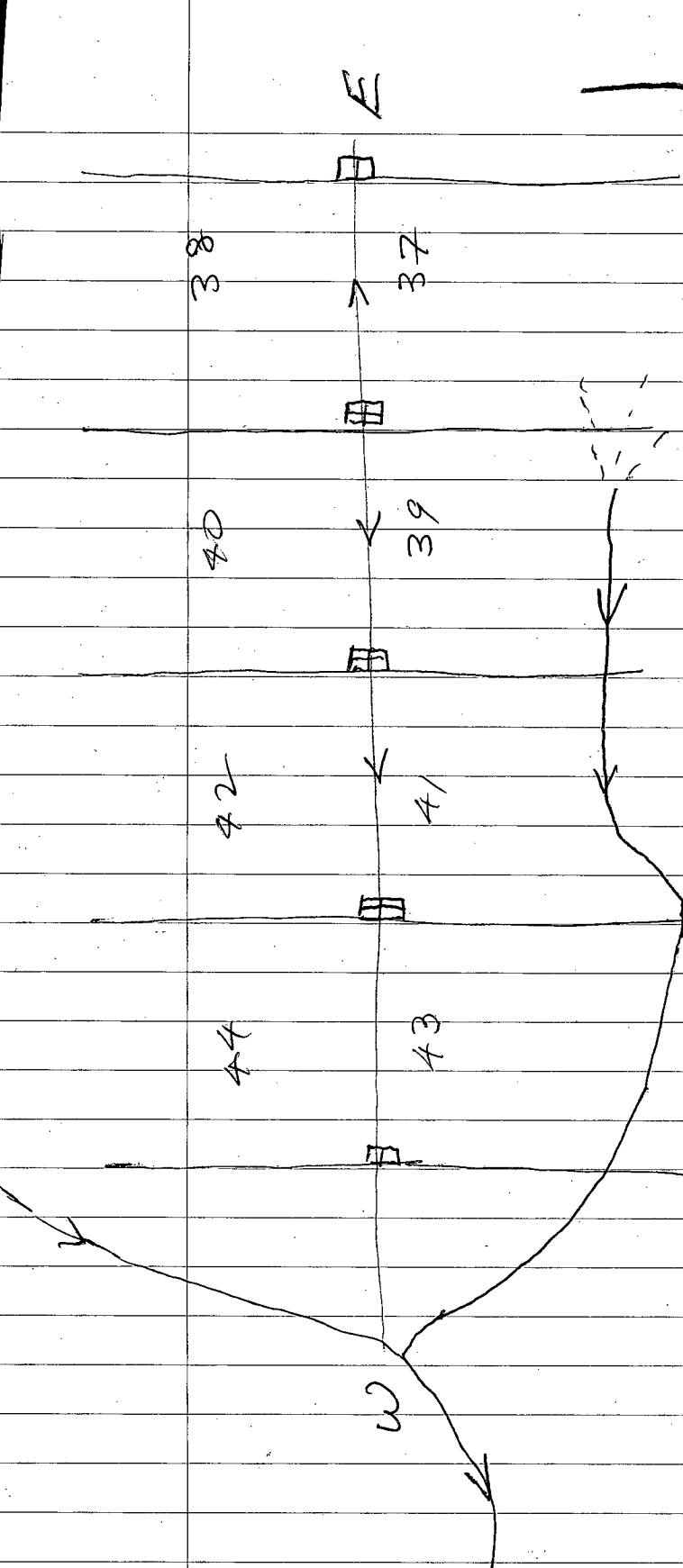


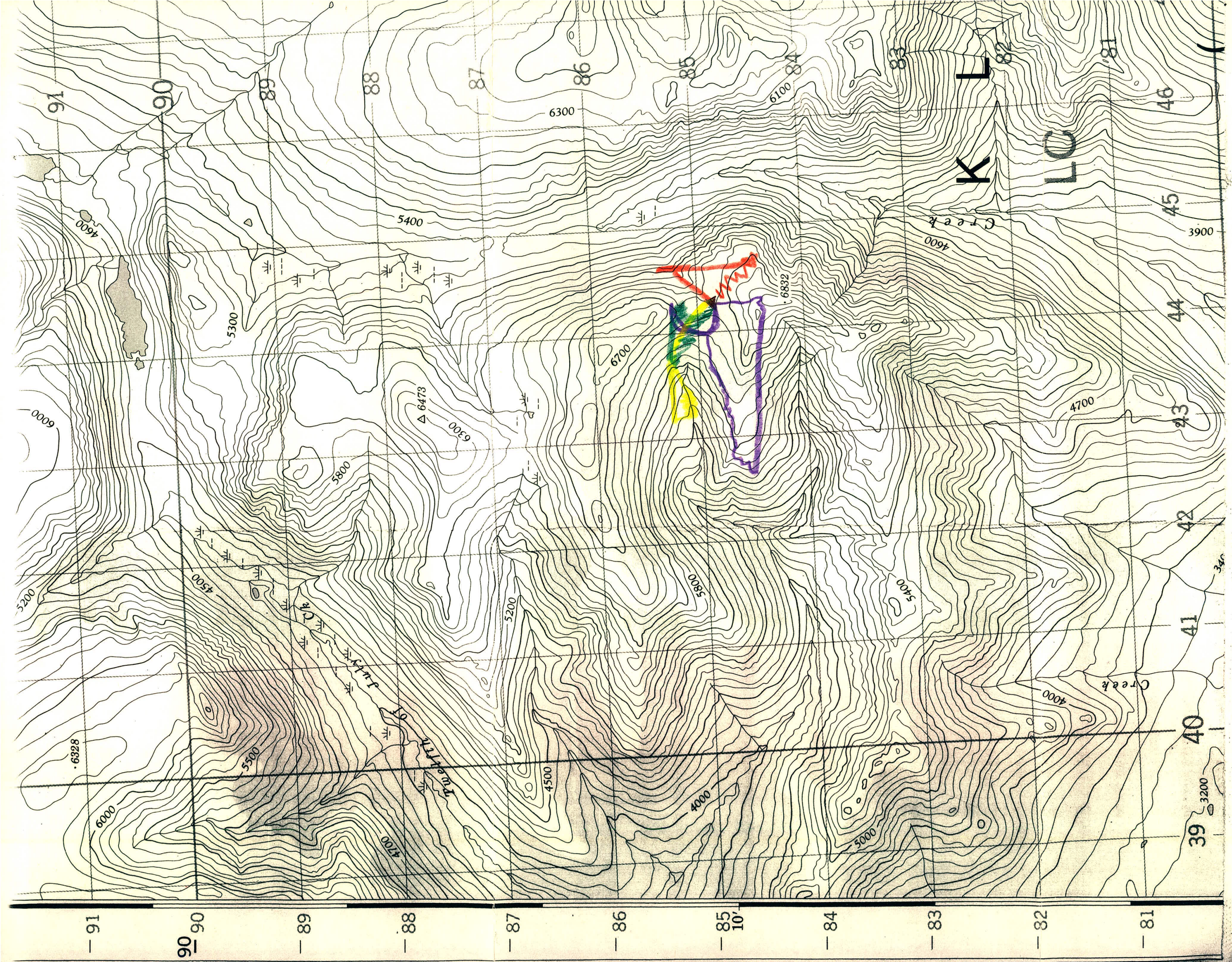
can be seen by eye



"

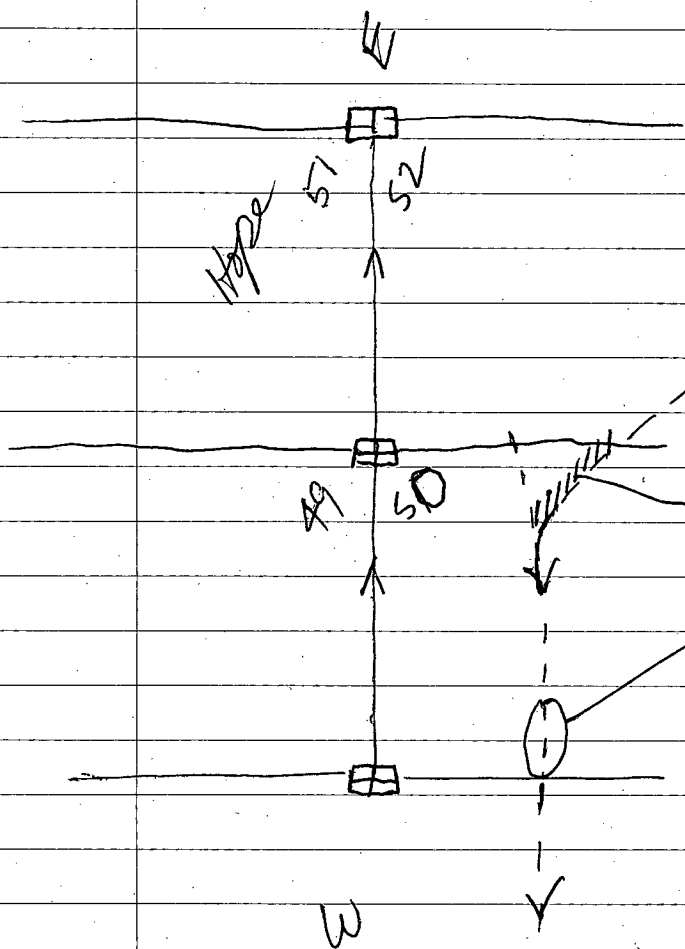
W





- 24 JULY 96 —
- 25 JULY 96 —
- 26 JULY 96 —
- 27 JULY 96 —

27
JULY 96



took PHOTOS 3
BROWN TINGE

HS-12 no moss
mats
dry stream
collection of
SAND
+ PLANT ROOTS
+ grass

HR-7 here too

28

JULY 96

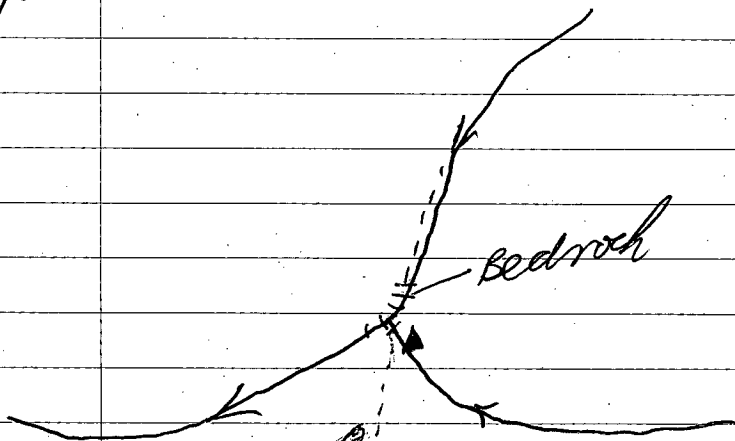
Hot, still, no clouds. Took a
day of rest.

29

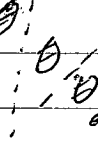
JULY 96

Flew across to 2nd campsite

N



KNOBS



HR-8 Bull quartz
strange black
amorphous zones

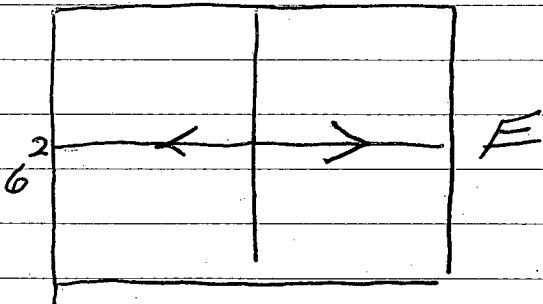
S

11 draw in mountain

Was dropped off by helicopter
on top
walked down.

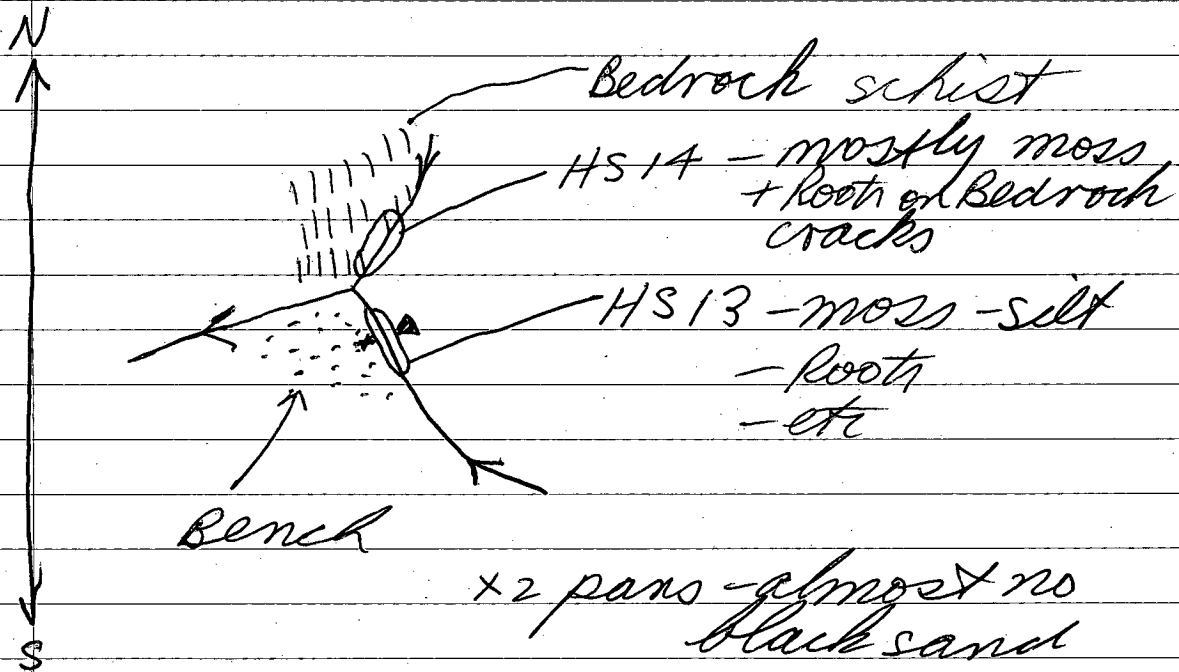
8 posts
at last
W
end
claim

W



30

JULY 96



First cold day of trip
overcast - no rain - probably
soon.

31

JULY 96

Rain from 5⁰⁰ am to 3^{PM}.

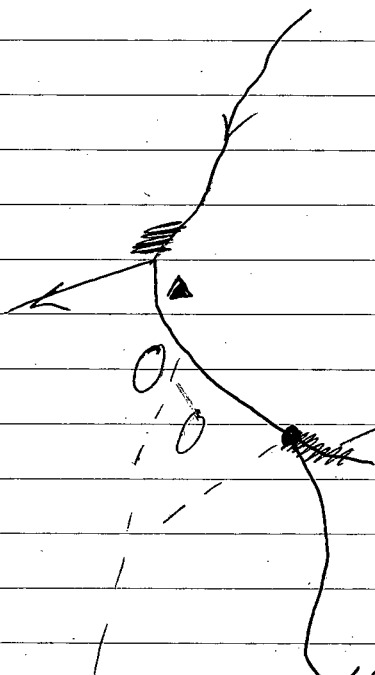
Drizzle to 5^{PM}, now OK! 1" rain.

Stream has not too high - can
still get silts.

Tent full of ↓ tiny brown
green jumping bugs!

1
AUG 96

N



Bedrock
exposed
- small
V canyon

HS-15 - at bottom

end + up

= moss mats

on / in Bedrock

- some cracks

- good sample

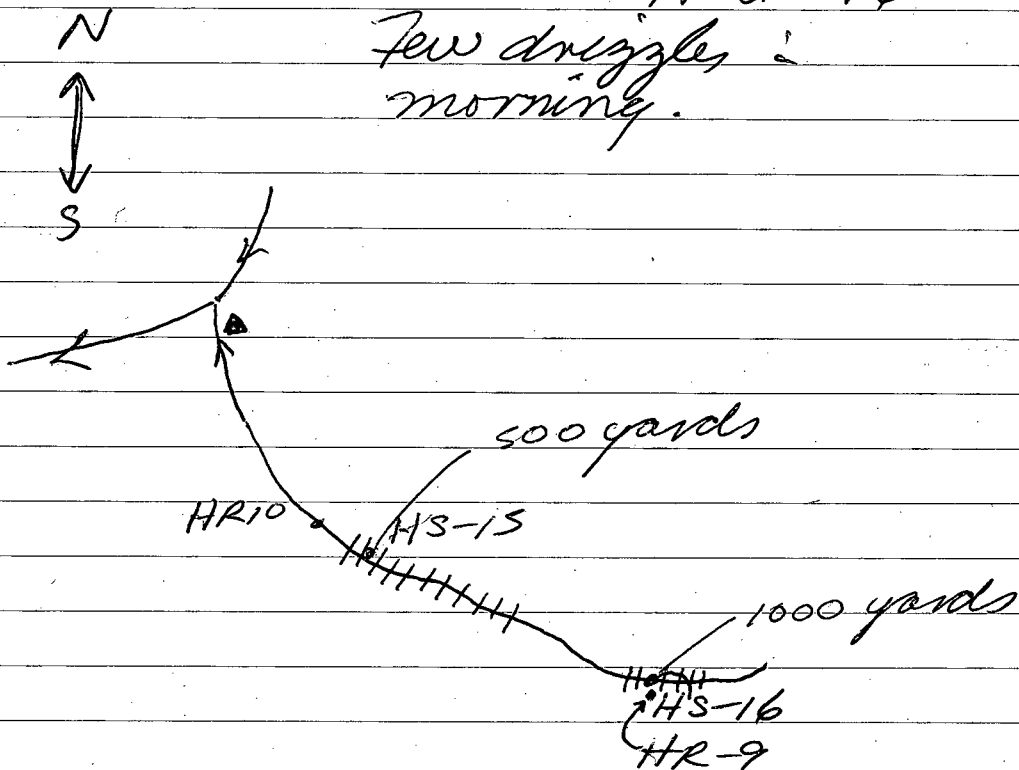
- 500 yards from
HS 13

some large angular quartz in
stream - some reddish tinge
- inside no sulphides

2

AUG 96

Few drizzles in morning.



490-700 yards
but bedrock
in stream

900-1000
bedrock
face to north

seen some
large quartz
in place

HS-16 more rocks
+ bedrock

cracks
HR-9 is 'above' ^{to S.}

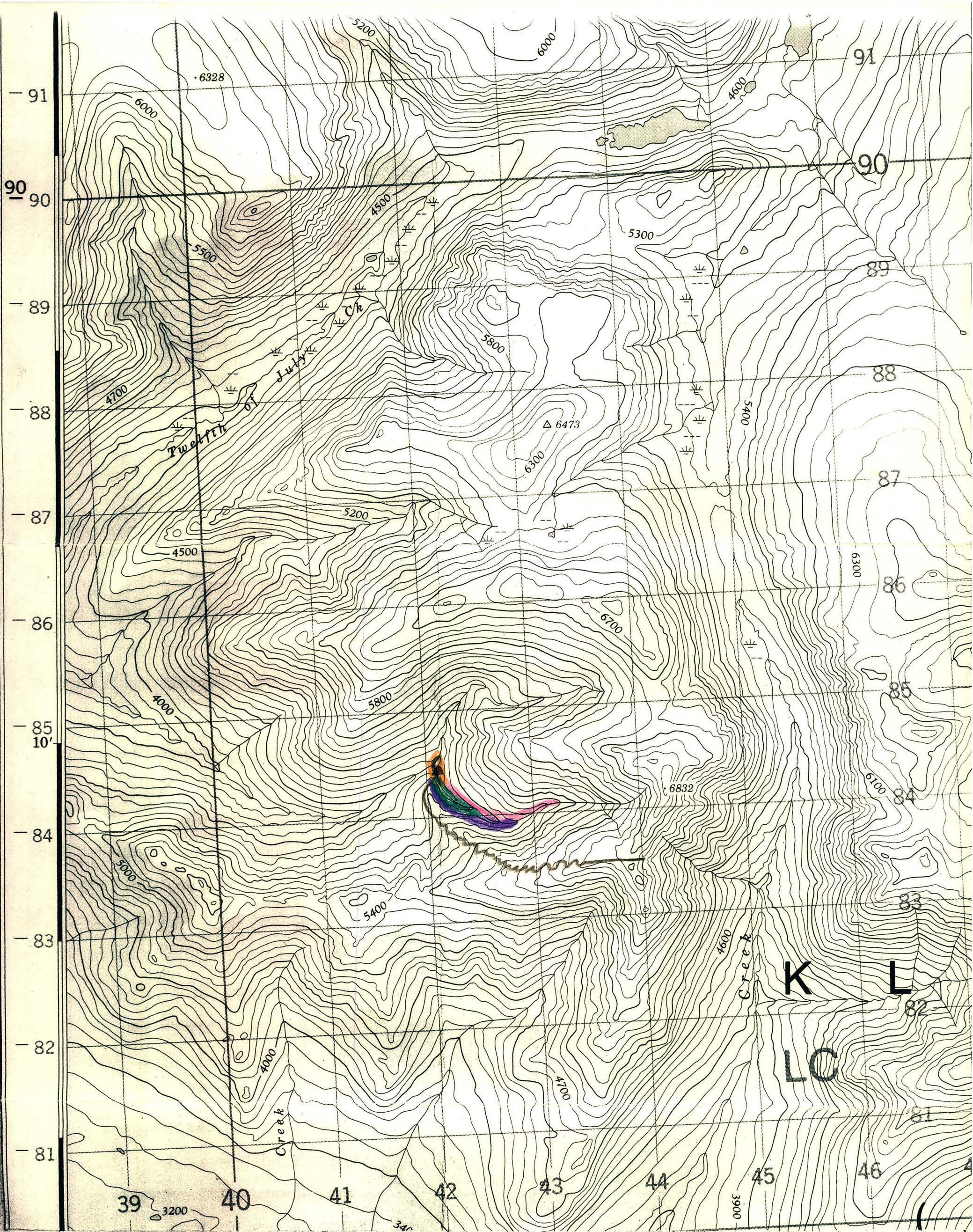
HS-16 sign
brown inside
cavity in inside
film container

HR-10 feldspathic
?? + 2-3 strange
crystals
-440 or so

3
AUG 96

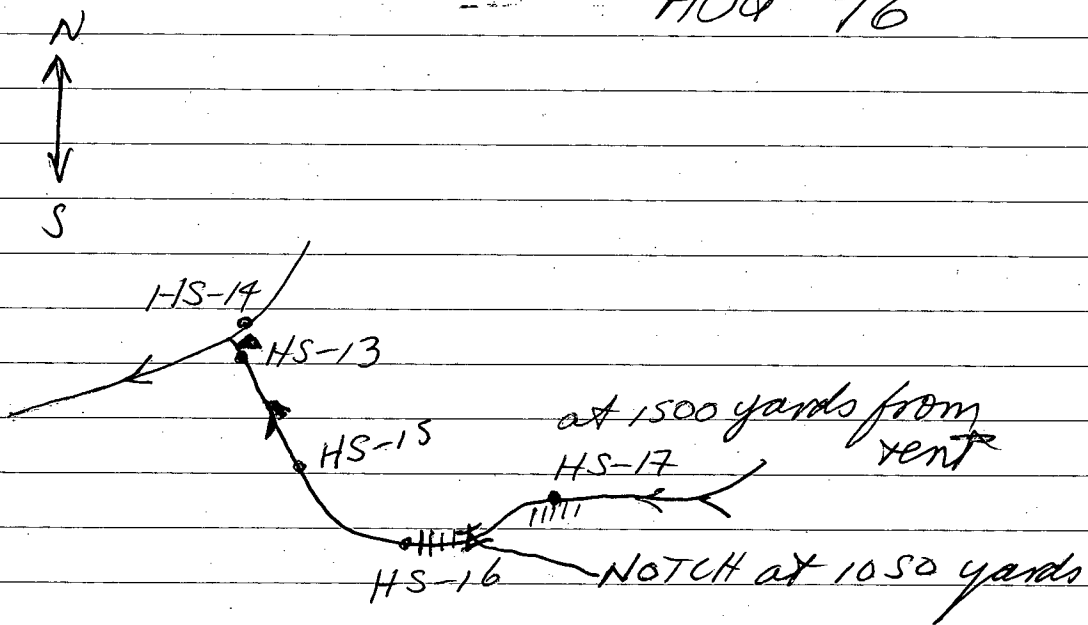
Started to rain just after I got
back last night, 9⁰⁰ pm to 8⁰⁰ - 9⁰⁰ am.

Day misty, on-off showers. Did not
go out.



- JULY 29 196
- JULY 30 196
- AUG 11 196
- AUG 12 196
- AUG 14 196

4
AUG 96



HS-17 good moss mats
on slide rock
beside bedrock

Rain in morning
but went out - PM = good
weather

5

AUG 96

Did not go out. AM - misty,
dismal, PM erratic sprinkles,
- almost set to go out when rain
started. Only 5 days left and
2 days I must do, 3rd day of
work is important; 5 days of
targets!!!

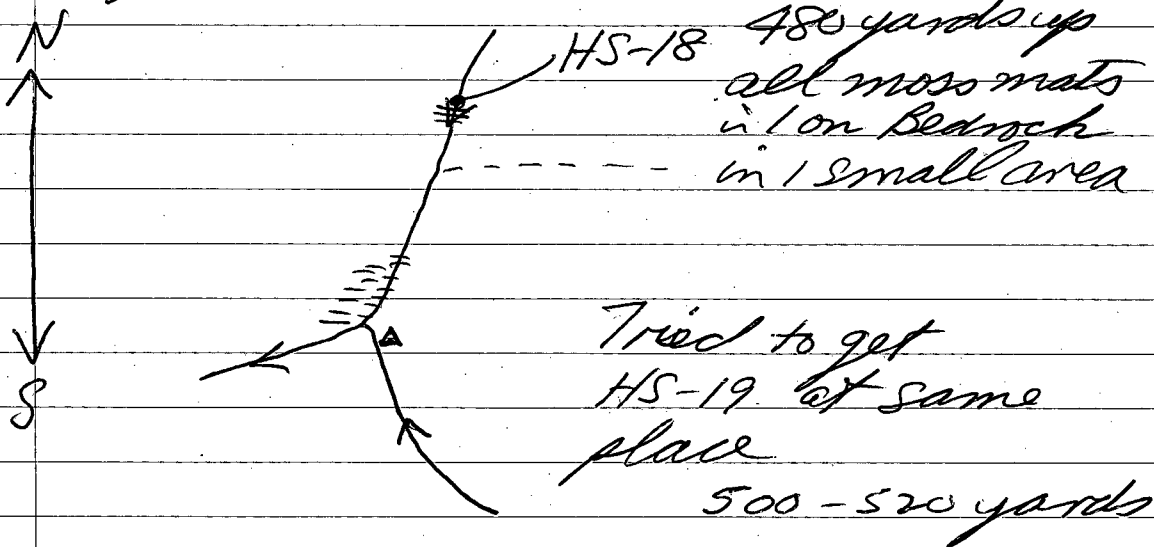
So far, disappointed by the
rocks - seem to be no arsenopyrite
so far.

6

AUG 96

Took off on dismal day and
it was miserable - very damp!

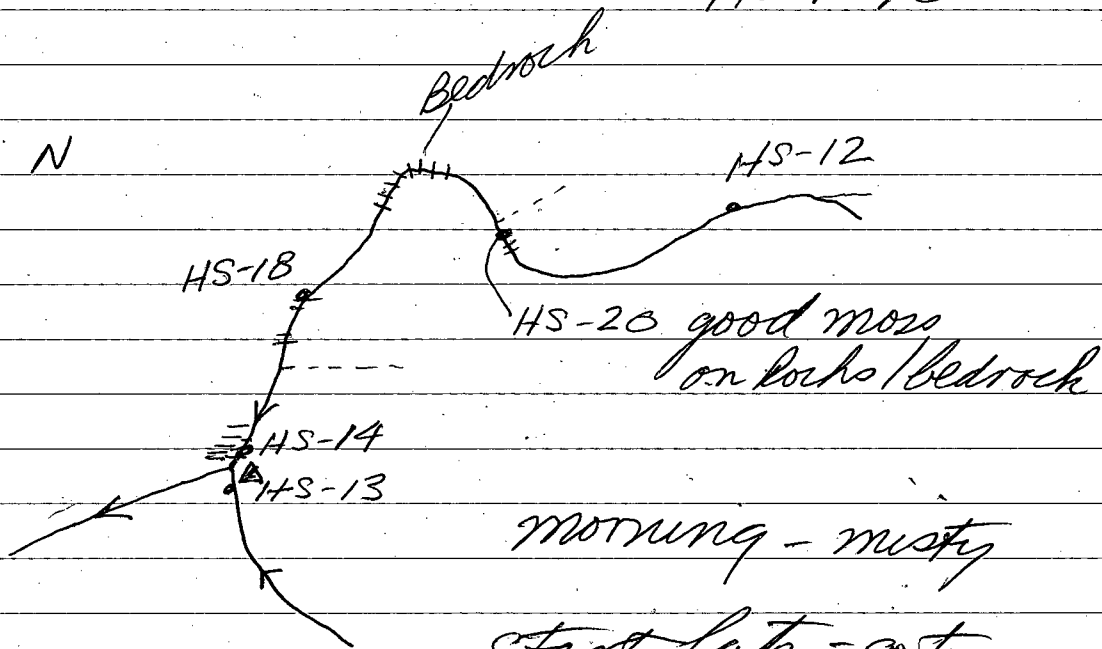
To North mountains covered in
snow! Got caught in rain but
stayed.



good area contrast
moss mats bedrock

* brought back
1/2 Bag HS-19
vs. off
Bedrock

7
AUG 96



morning - misty
start late - get
back quite late

Rocks - none seen worth
testing
- lot bull quartz

My feet are getting worn out from
walking in these rocky streams
with a pack and rubber boots.

Did not do HS-19 ($\frac{1}{2}$ done)

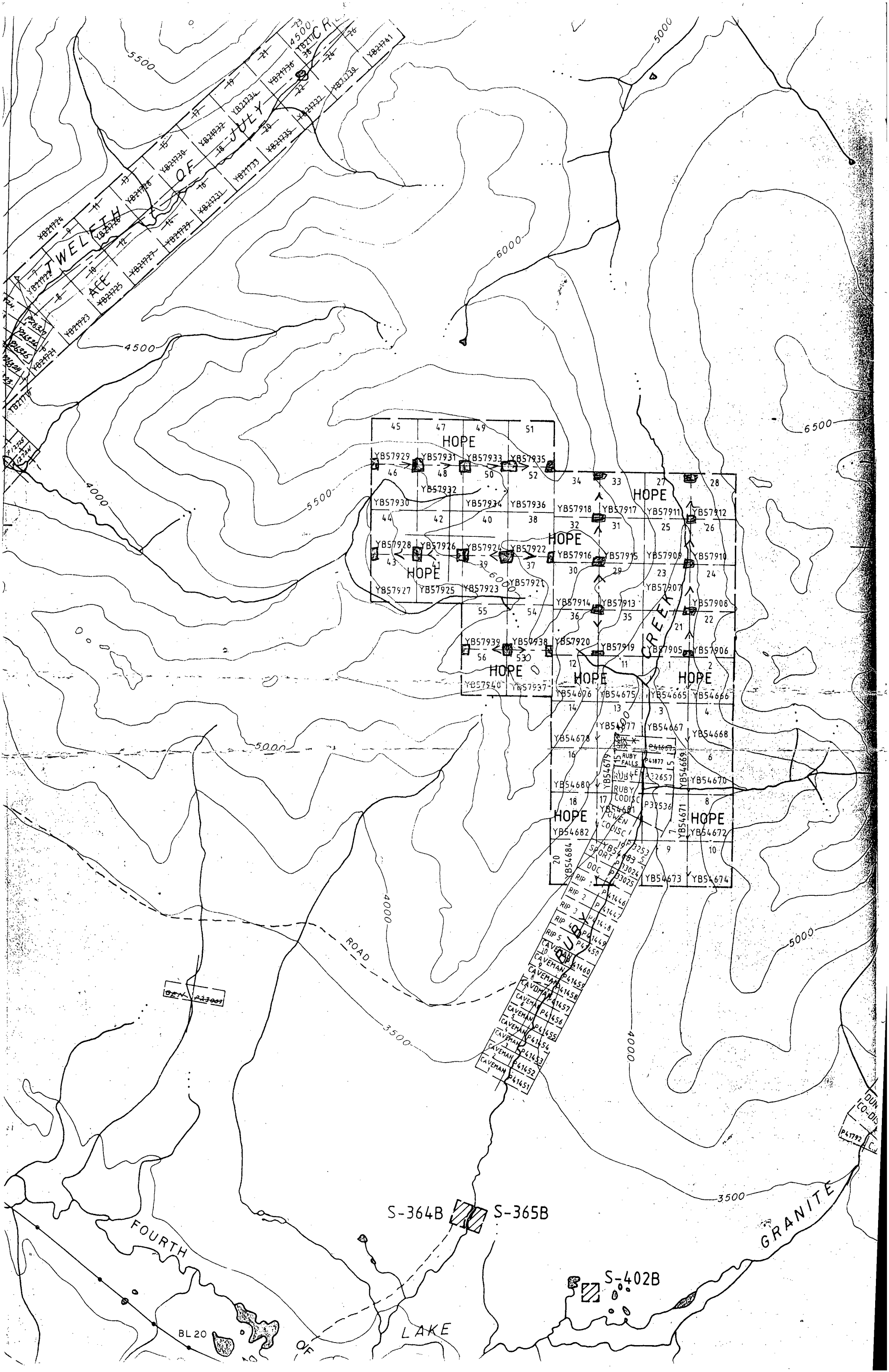
ALL TAGS ON NOW!!!

took 1 more bag HS-19
not enough 13 bags

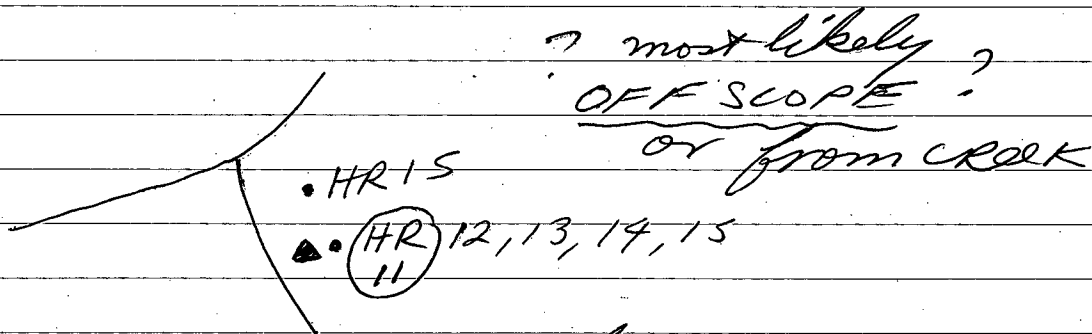
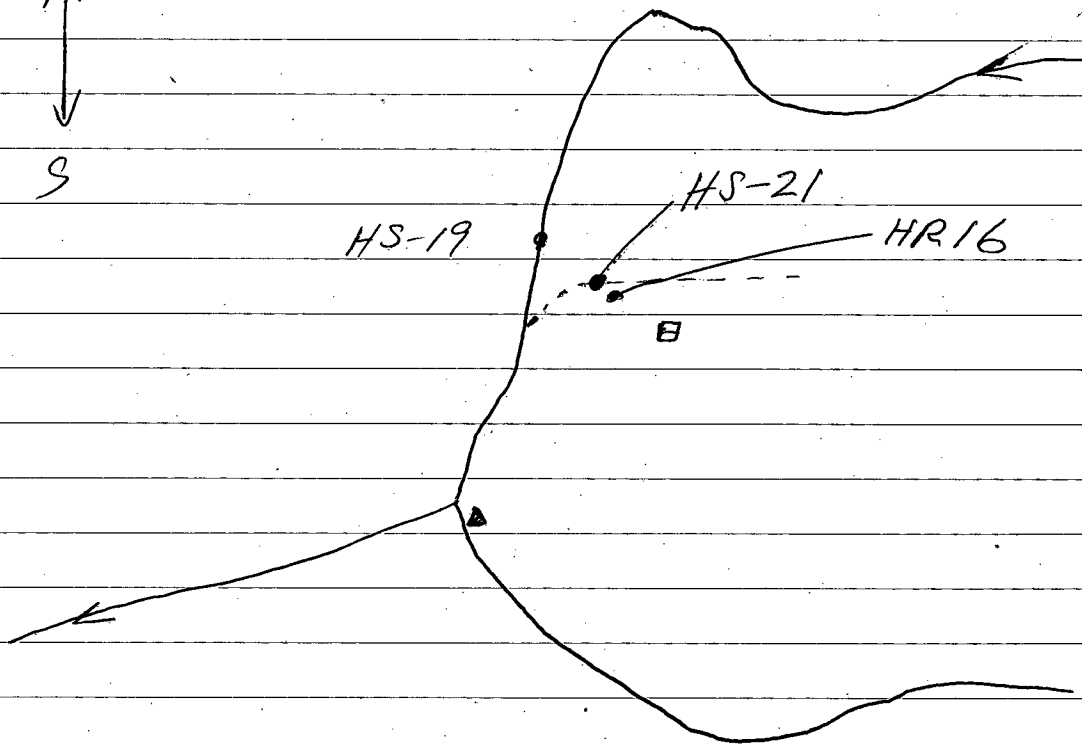
HS-21 dry bed
rocks stuck together
moss on top 4 in between
not on bedrock
a STRANGE GULLEY
E — W

HR 11
HR 12 — similar to HR 6 (9 JULY 96)
13
14 — background schist
15 — similar to HR 6 — NOT BROKEN
16 — later — SAW
limonite schist

GOT BACK LATE
— did not finish HS 19
HS 21



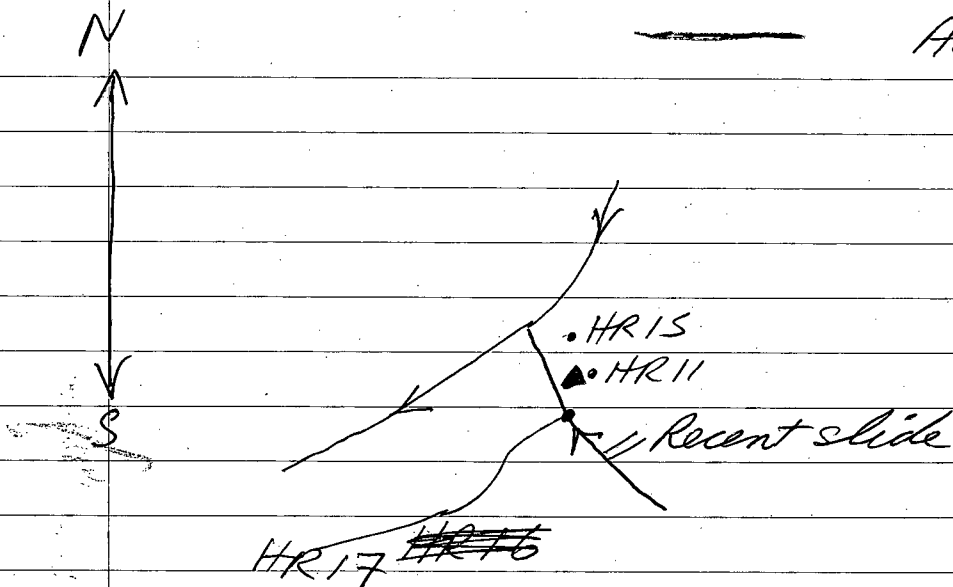
8
AUG 96



These rocks I just
walked over for 10
days until I cracked
one open!!

When every thing is flatish
odd shapes here
may be important
to check out!

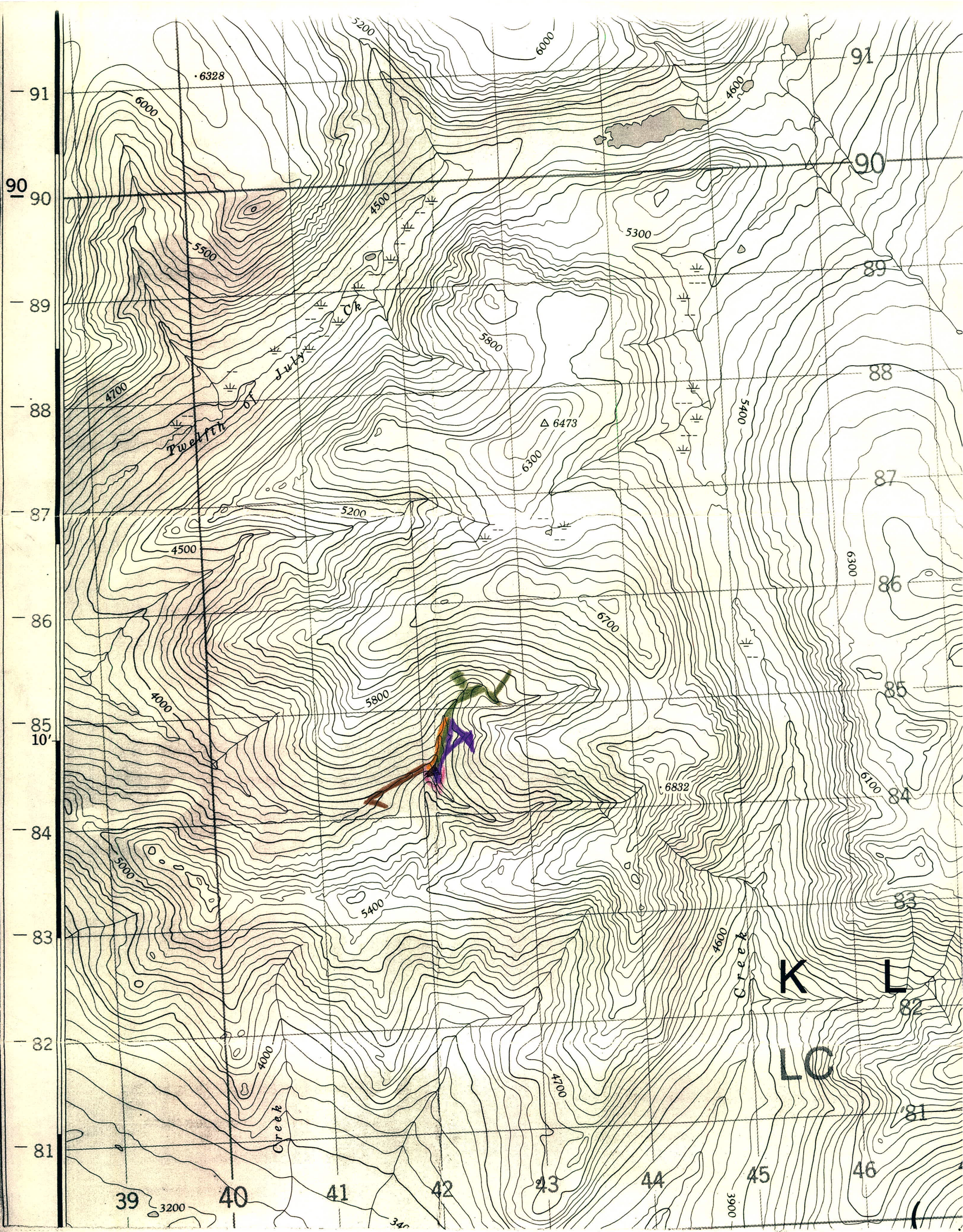
9
AUG 96



Easy day today - hang around the
OFFICE.

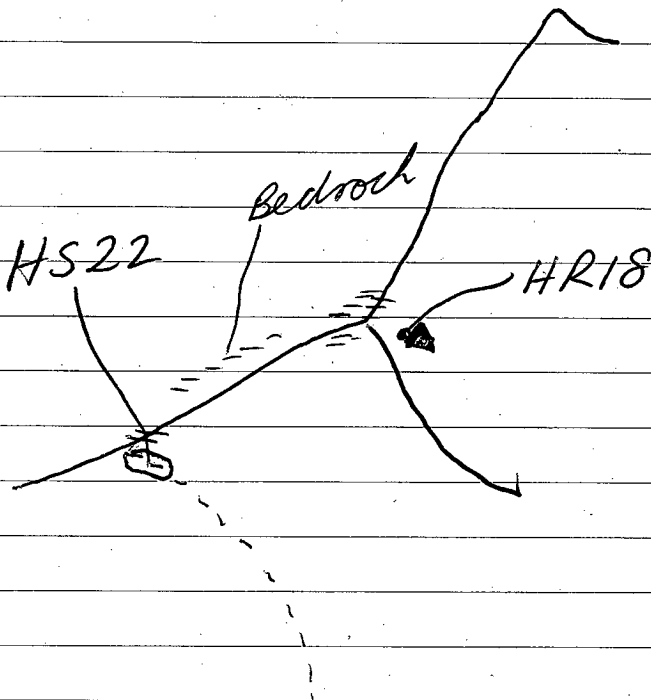
Finished off HS 19
HS 22

- ~~HR16~~ - sim HR11/15
- HR17 - squarish, blue grey??
- rough edges
- in stream
- wavy quartz stringers
- strange texture
- 30' from HR11
- save 1 SAW !!!



6 AUG 96
 7 AUG 96
 8 AUG 96
 9 AUG 96
 10 AUG 96

10
AUG 96



HR 18 - rough
- crumbles when hammered
- ?? greyish

HS22 - moss mats
- some was on walls of creek
- hard to get a good sample

PACKED UP!

not enough time / HS23

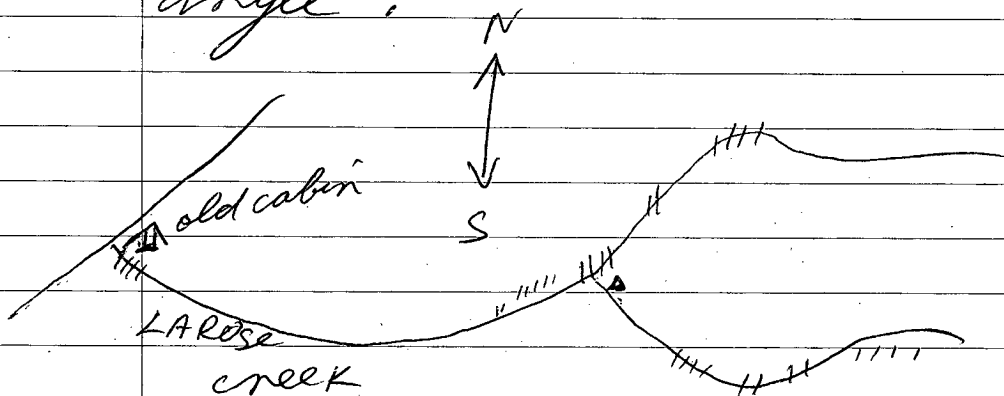
11

AUG 96

Flew out of camp to HJ.

Did not see camp I thought I

saw last year. May be sun at an
angle.



184,490 2 WH

-184,100

390 KM

25

AUG. 96

White horse

leave → DAWSON CITY

184,782

26
AUG 96

Arrived in Dawson City.

Hans not coming until 28 Aug.

Not ready.

27

AUG 96

Hans not ready to get
yet.

28

AUG 96

We drove out. Hans + son
in 1 truck. Me in my own
truck.

Road rough mining road.
2 mining operations. Seem-
ed well organized. [#]480 yard
+ better in grade. Coarse gold.
Creek & has been heavily
mined by hand, ground sluice,
and machines.

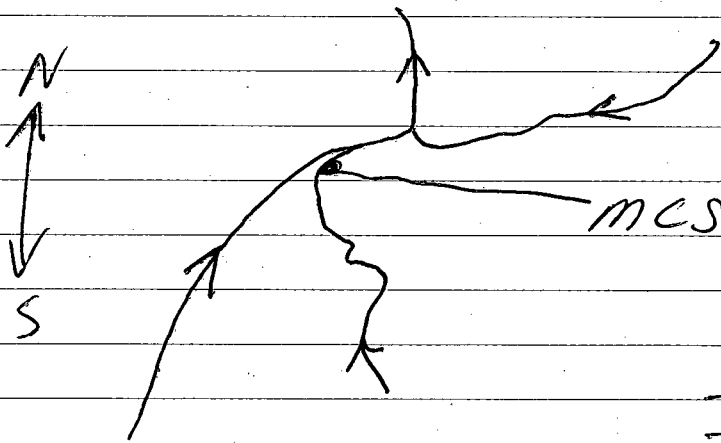
Camped very close to
work site.

Hans + son staking claims
and taking samples to be used
as bedrock mapping.

29

AUG 96

Tried to get pan conc! One yellow Home Hardware pail filled to top with (-8) mesh. Then whole pail panned to \approx 200 gm. loose gravel + debris in narrow stream areas or bends were taken.



MCS 1-3 flags
- bend of river
- bar
- lot SiO₂
- almost no black sand

Hans + son staked claim
and prospected.

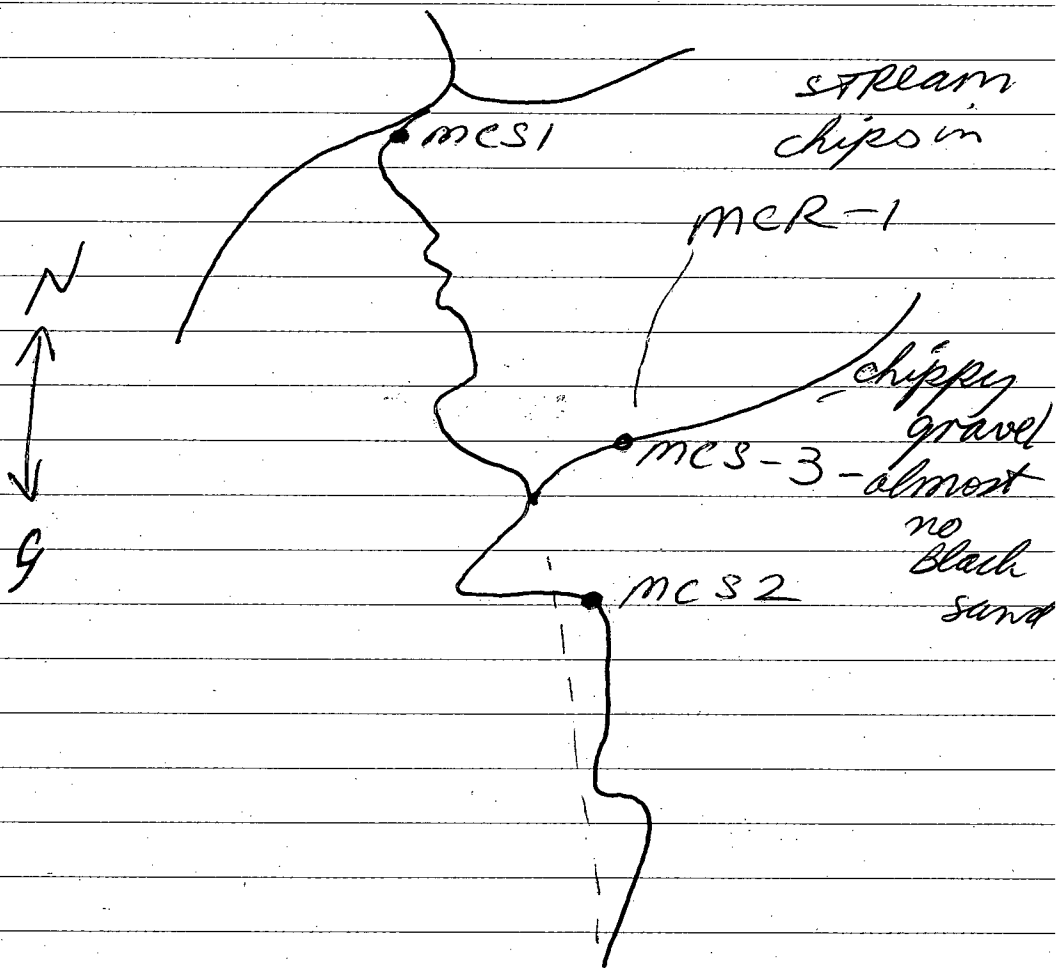
30

AUG 96



Hans + son staked claims
and prospected.

31
AUG 96



black sand

MCS2 > MCS1 > MCS3

1
SEPT 96

Rain. AM+PM

Hans + son went to Dawson
city for night.

I did not go out.

Hans + son X

2

SEPT 96

Hans + son came back

at 2⁰⁰ PM.

HANS + son.

Ferish claims

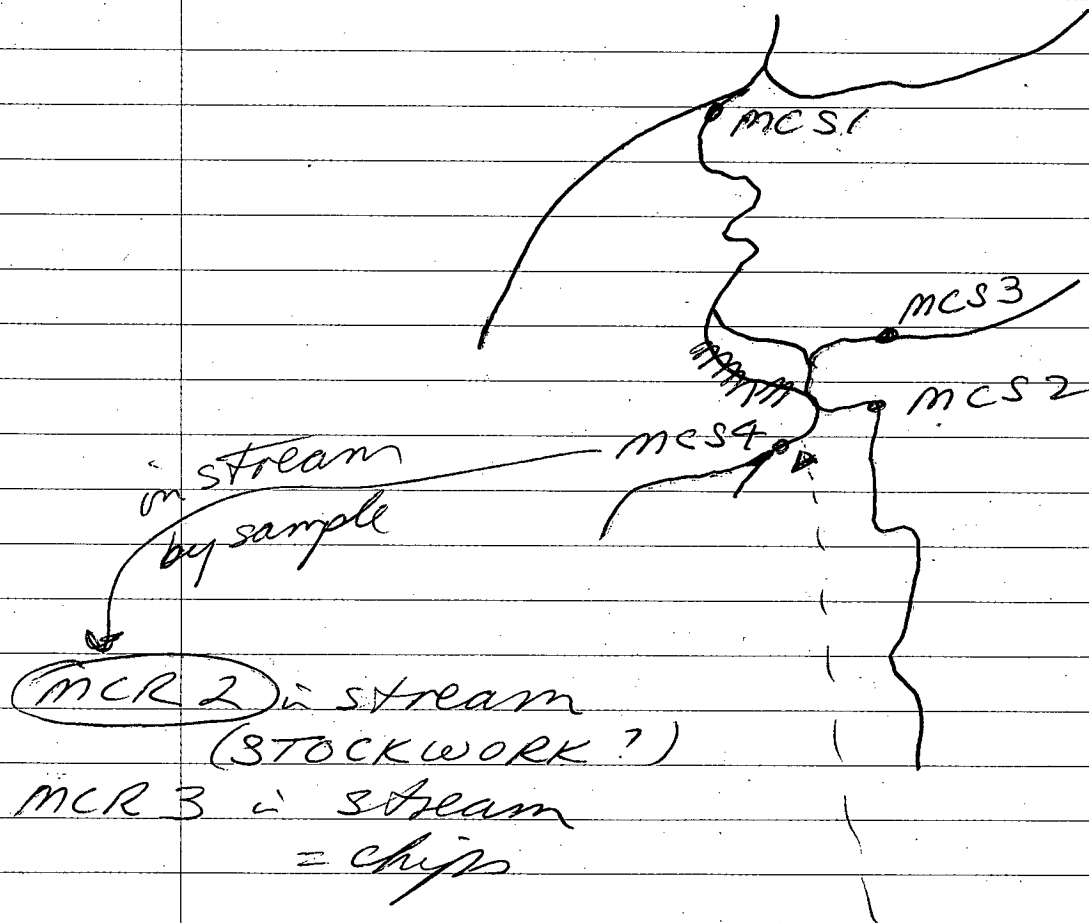
on their own.

Many bedrock samples

test by A/C

3

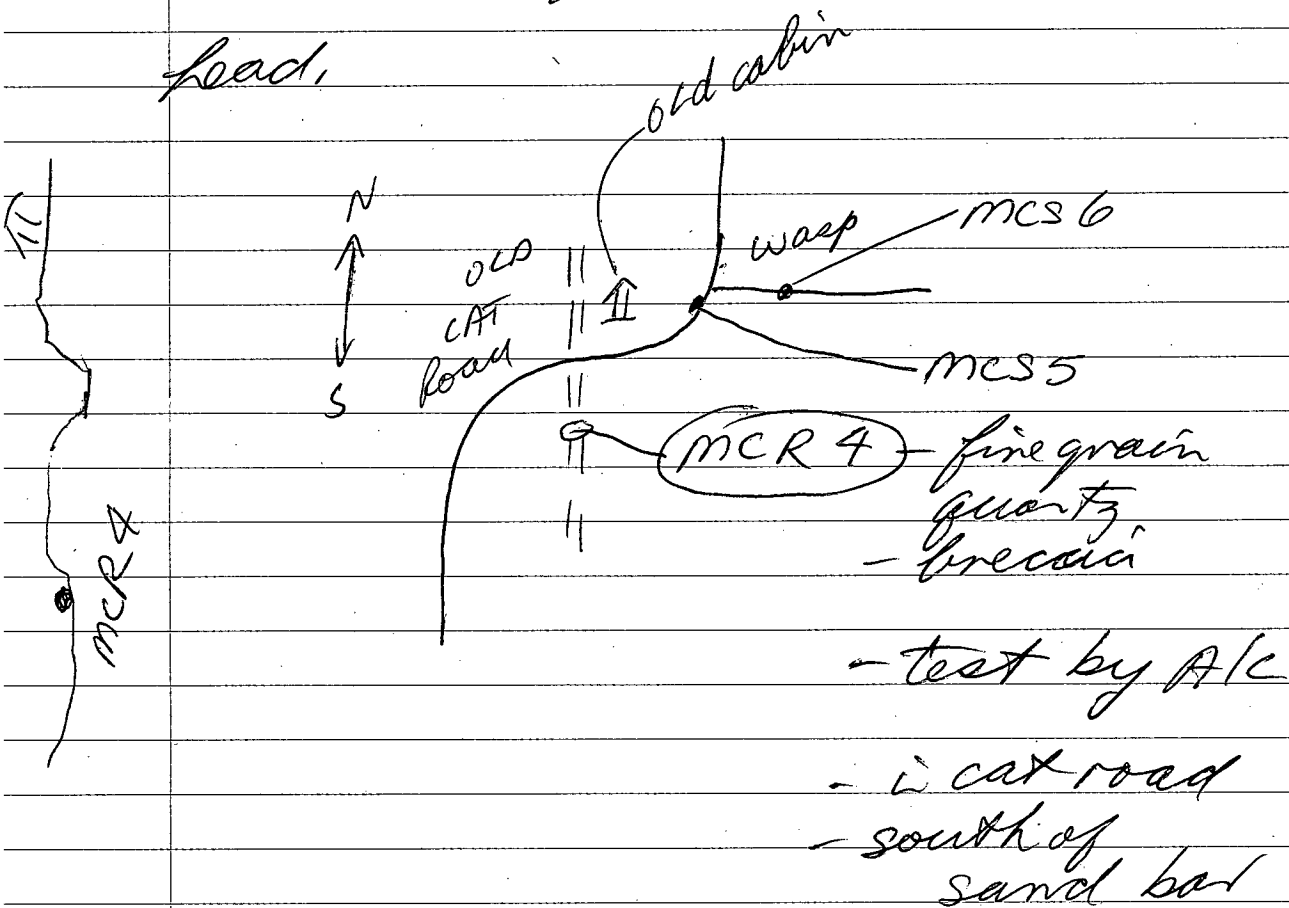
SEPT 96



old flag on creek
below MCS4

(ANDERS)
 HANS + son helped me
 and at [] we met a WASP
 nest. 1st time anders had 5-6
 and Hans had 2-3. I had none

later Hans went back to get
 MCS 6 and got about 12 on his
 lead.



141°00'

501000m. E.

02

03

55'

05

06

64°15'

7124000m. N.

123A
2349

Alma Creek

2000

2000

2700

3000

ALASKA

TERRITOIRE DU YUKON

124
2749

BALDY
MOUNTAIN
3767.

2700

2000

Creek

2500

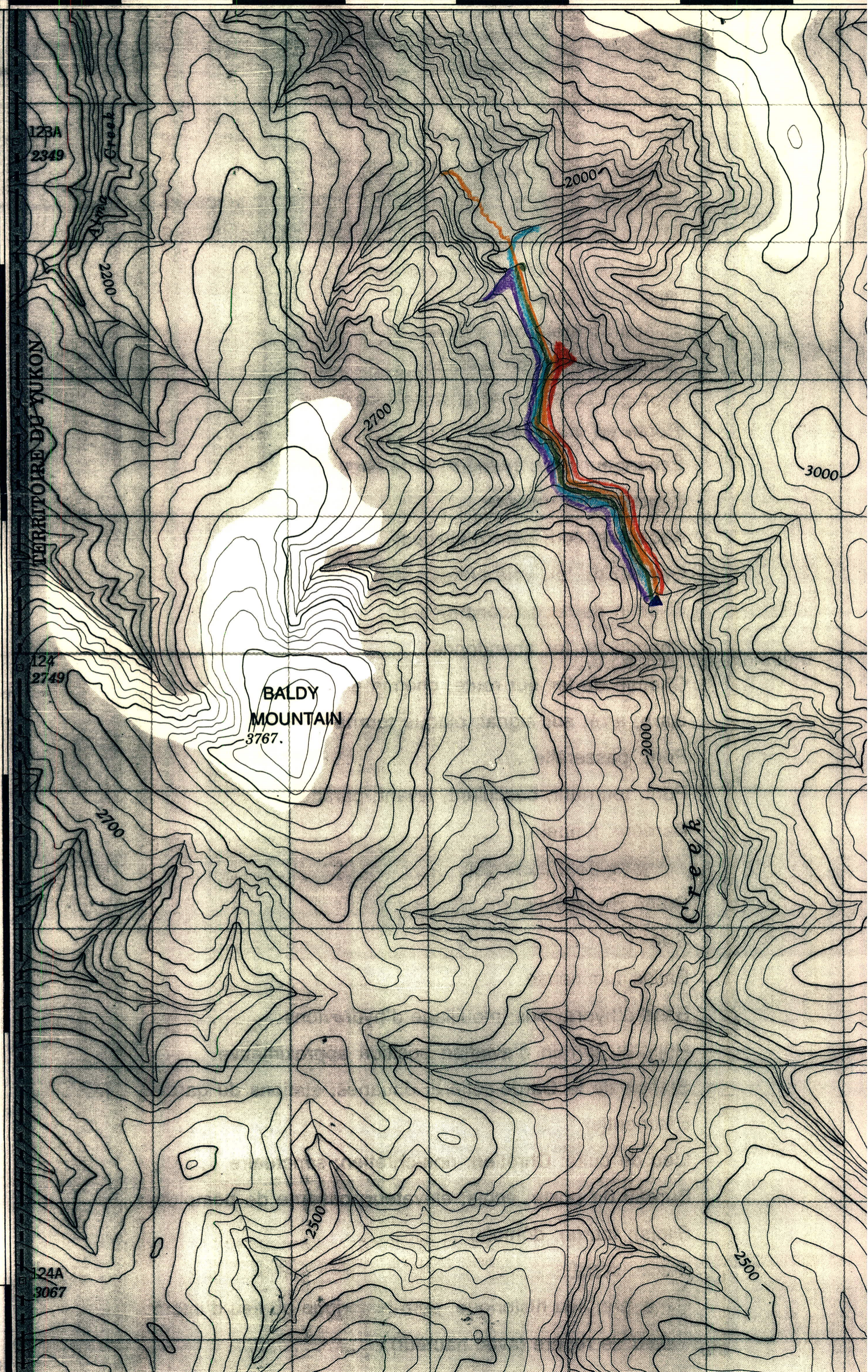
2500

124A
3067

10'

15

UE



29 AUG 1996

~~~~~~~~~  
~~~~~

30 AUG 1996

~~~~~

31 AUG 1996

~~~~~

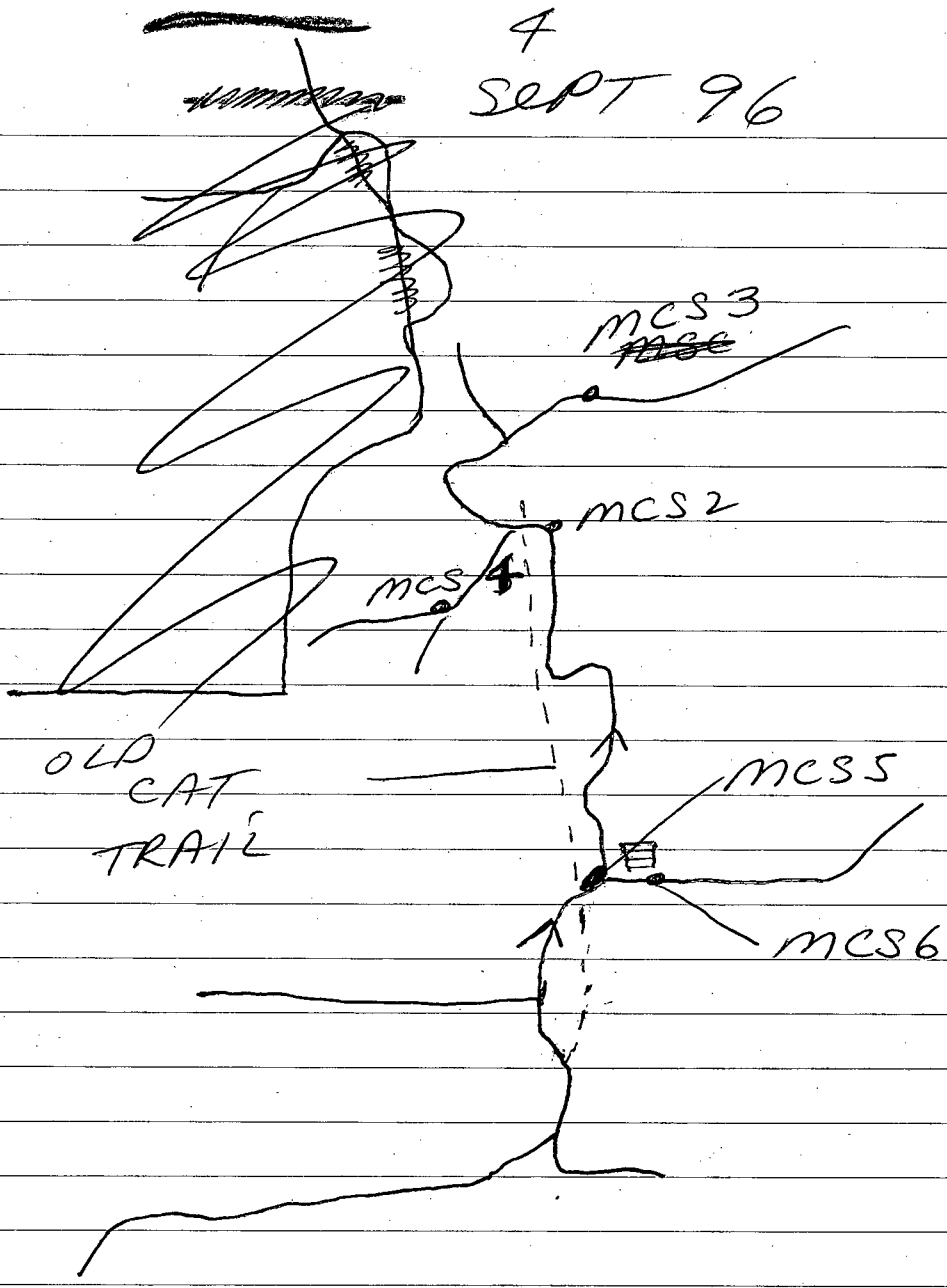
3 Sept 1996

~~~~~

4 Sept 1996

~~~~~~~~~  
~~~~~

4  
SEPT 96



at MCS7

saw a ribbon

marked

272959

W 600m

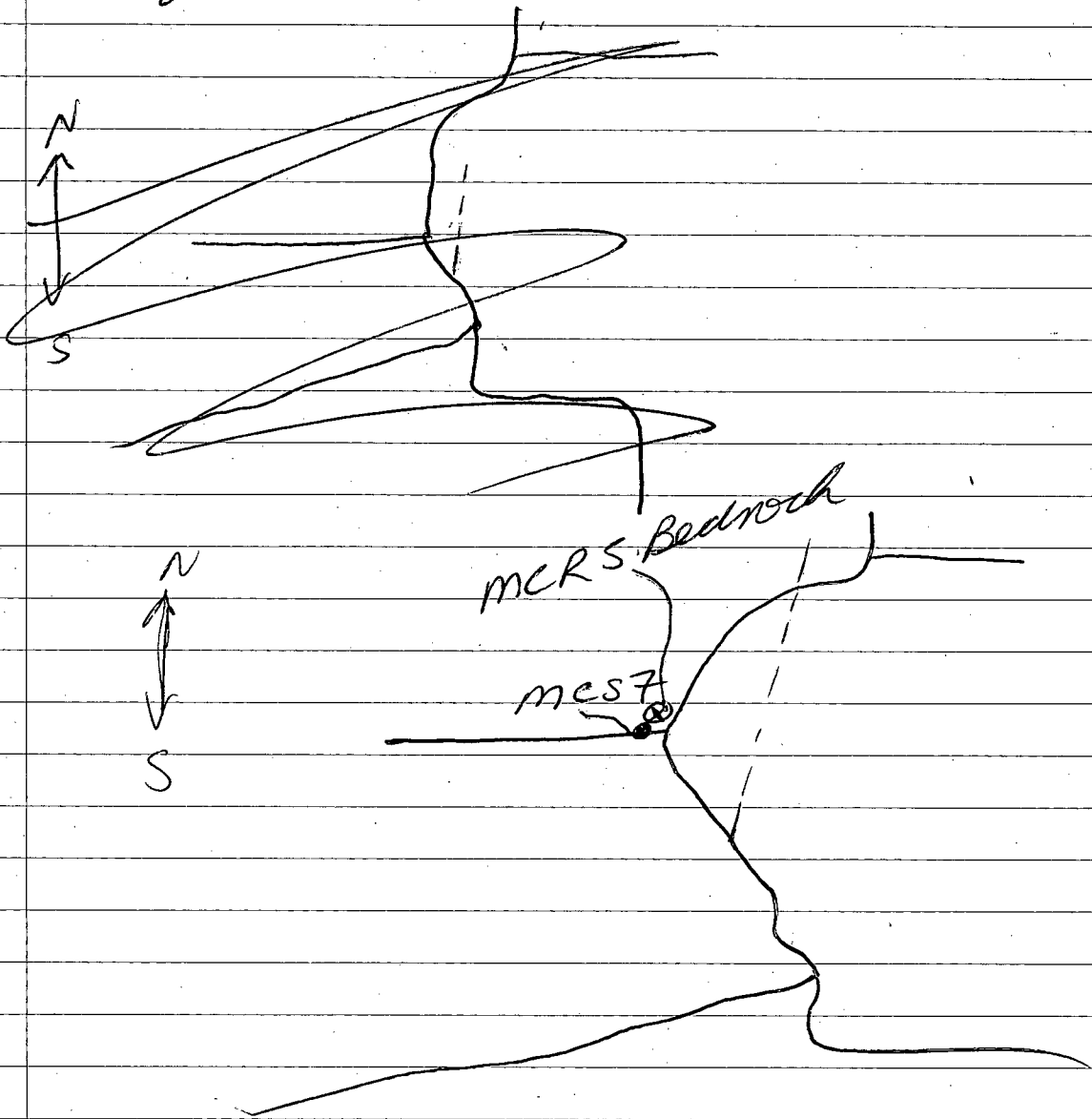
5

SEPT 96

ANDERS eye is shut from  
WASP bite

STAYED at camp,  
Hans - swollen but OK,

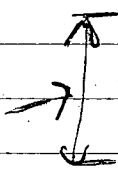
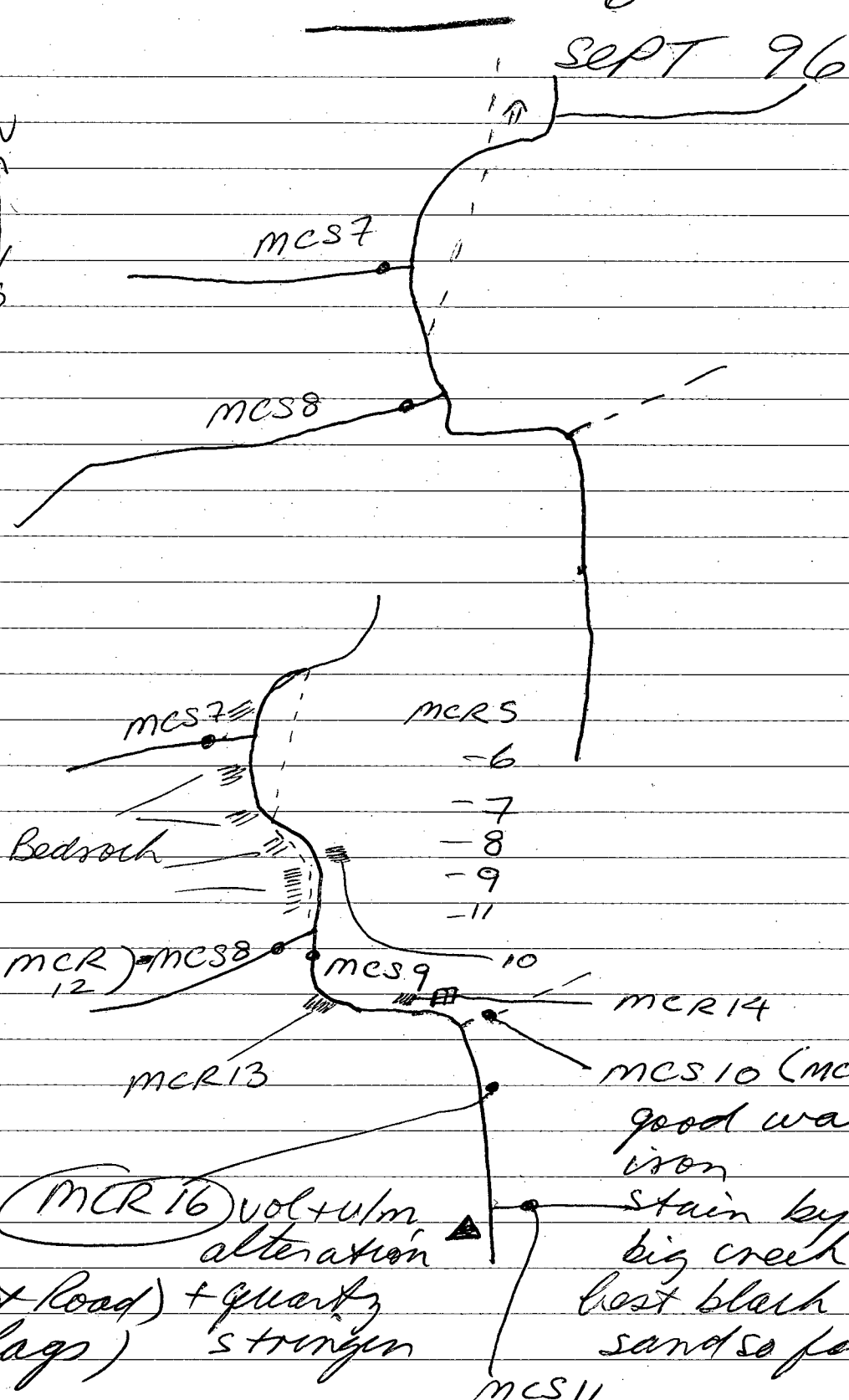
lot of ice in stream.



Lot of TURQUOISE  
blue-green  
-grey  
bedrock  
here.



6  
SEPT 96



- MCR5
- 6
- 7
- 8
- 9
- 11

Alc  
test

MCR 16 vol + ulm  
alteration  
(on cat road) + quartz  
(3 flags) stringer

good water  
iron

stain by  
big creek  
lost black  
sand so far

MCS11

141°00'

501000m. E.

02

03

55'

05

06

64°15'

7124000m. N.

123A  
2349

Alma  
Creek

2000

23

2200

22

TERRITOIRES DU YUKON

2700

3000

21

ALASKA

124  
2749

BALDY  
MOUNTAIN  
3767.

2000

20

2700

Creek

19

18

17

16

124A  
3067

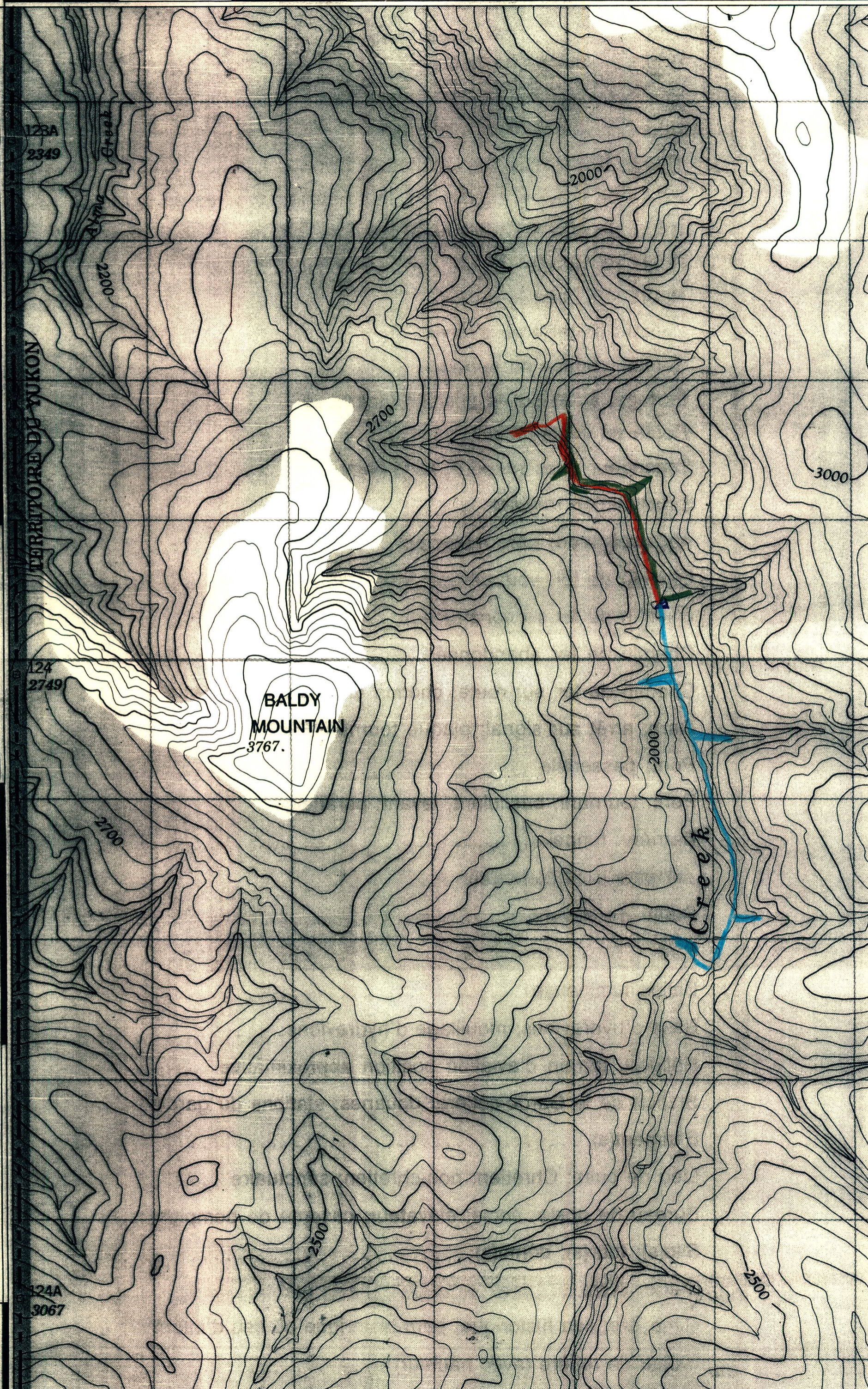
2500


2500

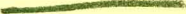
10'


15

UE



5 SEPT 1996 

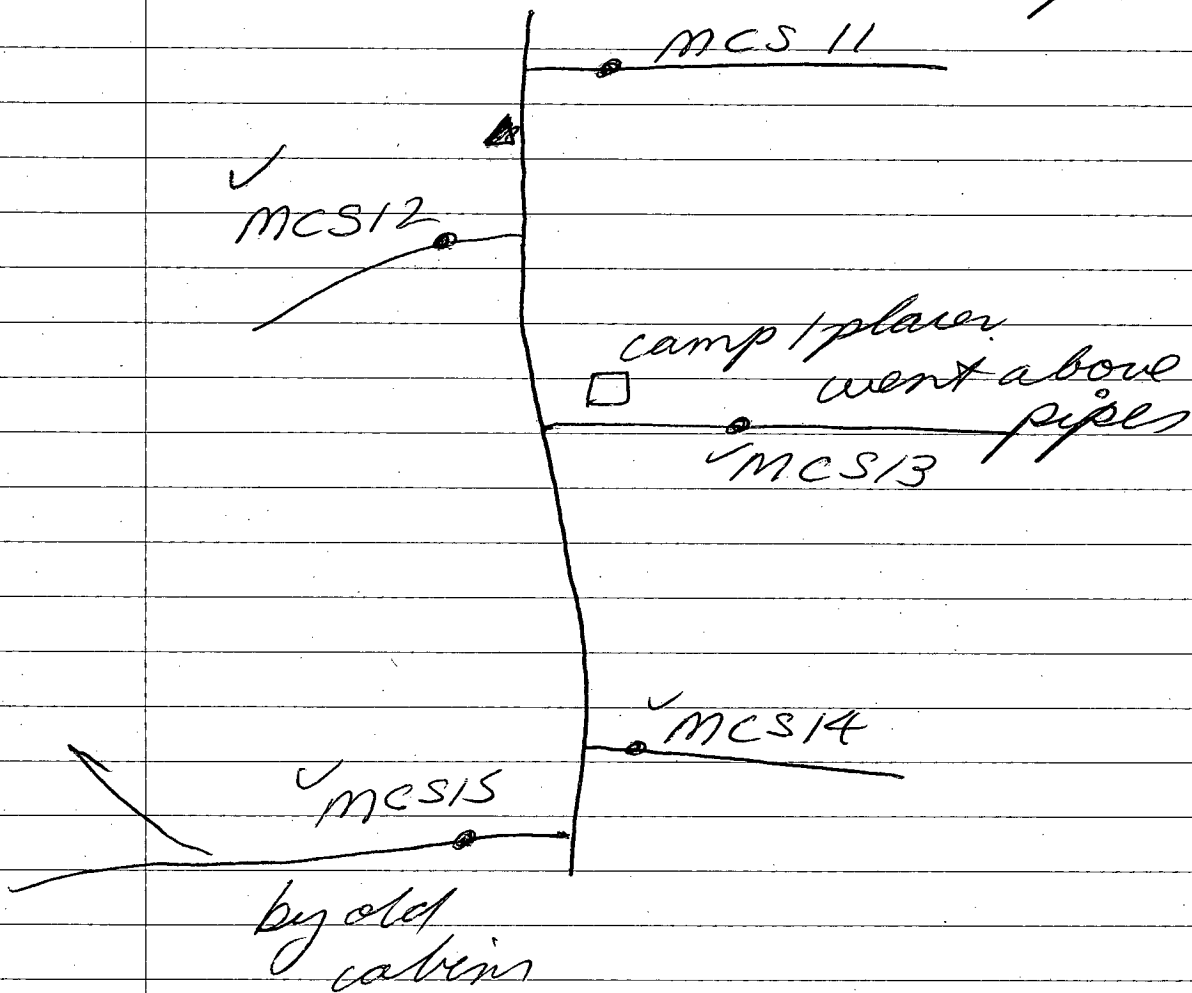
6 SEPT 1996 

7 SEPT ~~1996~~  
1996 

7

SEPT 96

Drove by 4 creeks + did  
4 samples



JUST kept 4 sites + did  
at later day

8

Sept 96

Drove back to Dawson

9  
SEPT 96

Have recorded 42 NOAA  
claims + transferred them to  
me.

The magnetic anomaly was  
due to volcanic rocks but I  
think the anomaly may be due to  
ultramafic rocks.

10

SEPT 96

I panned down the 4 silt  
samples today. Took a long  
time - 6 hours.

11

SEPT 96

Cased up. Left + drove  
to White Horse. Stopped by at  
Bob Stirling's placer  
operation on Stewart River.

Asked if work done on my  
placer  
lease in 60 mil. Yes, it has  
been done.



12

Sept 96

Arrived in white horse.

186,405 Km

<sup>5</sup>18~~8~~, <sup>13</sup>405 WH back

184,782 left

1,623 Km

15

SEPT 96

Left WH. → Haines  
Junction.

186,468

16

SEPT 96

In Haines Junction. Can

not go out - so wait to 17

Sept.

Up at HS-23 - Snow started - so  
left after only 4 hours. Afraid of  
a snow blizzard

When set up tent I was damp  
and miserable.

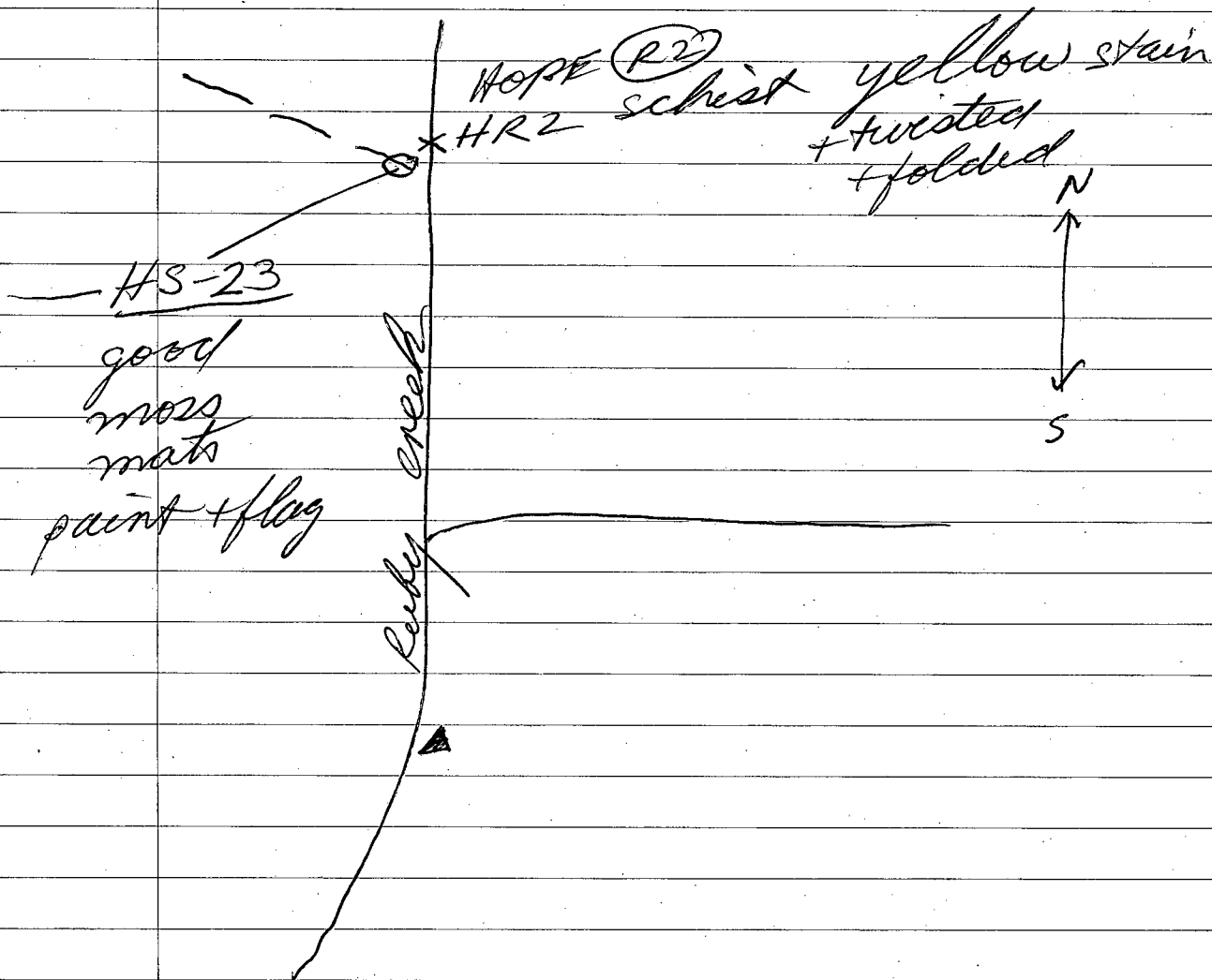
HOPE (R)  
also HR 1 here -  
1 volcanic rock  
2 pyrite

17

SEPT 96

Flew in - afraid of weather  
problems late in year. Left gear  
down at placer mine,

Left off up at top.



18

SEPT 96

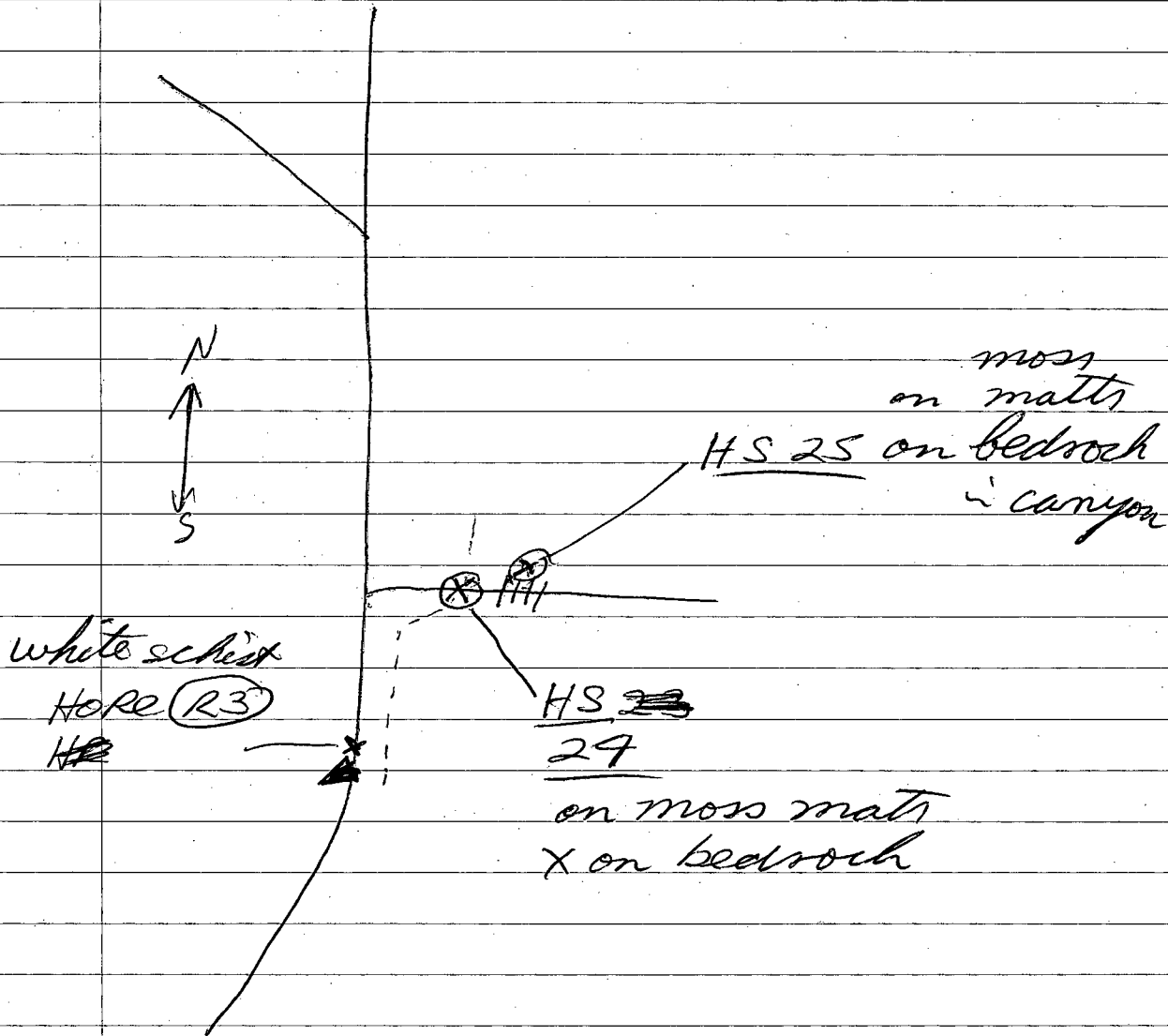
lot of snow around. Still  
feeling effect of yesterday.

Back + knee not 100%.

Quite cold.

19

SEPT 96



20

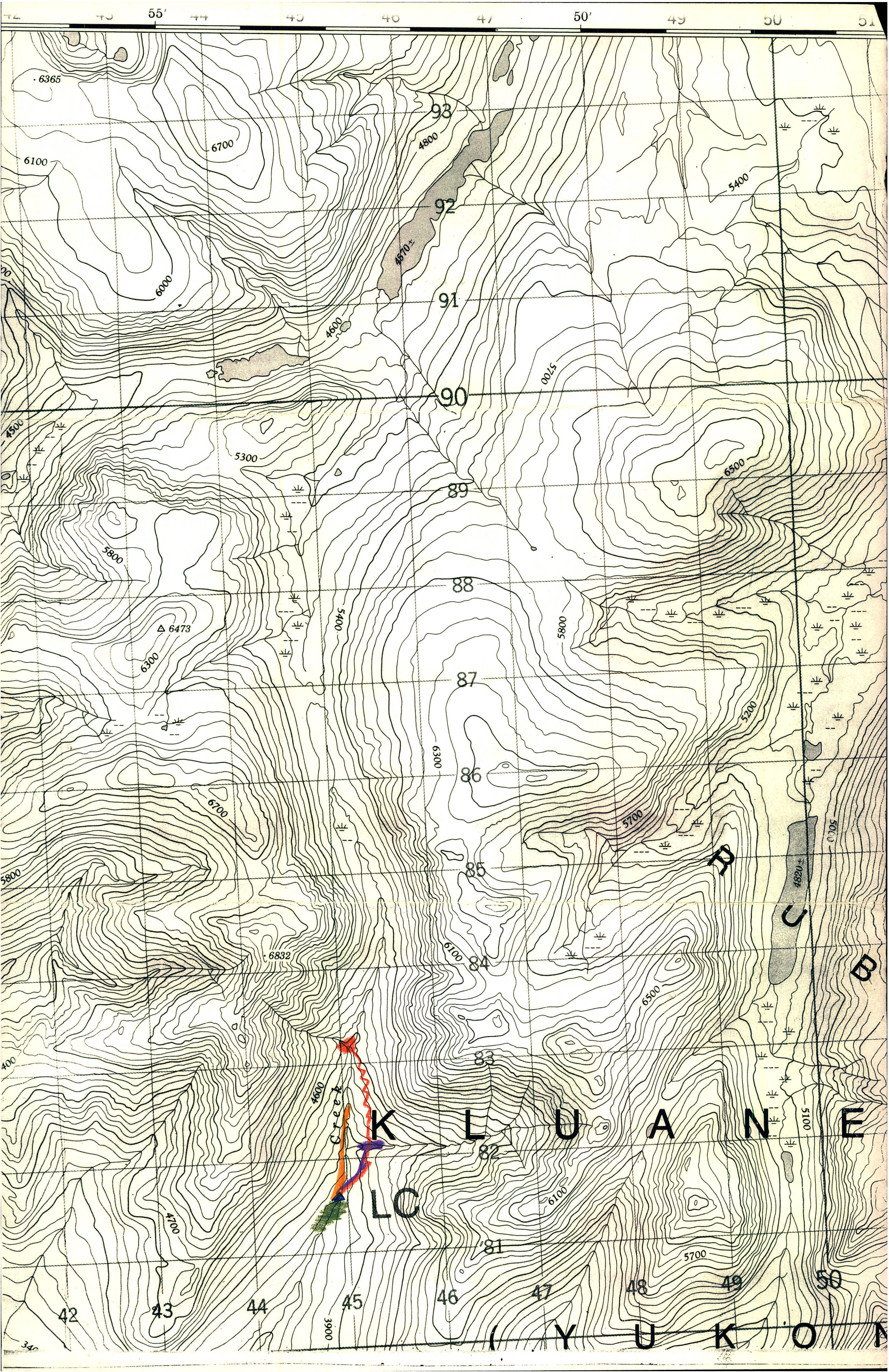
SEPT 96

Checked out below at  
lower end of claims. Saw some  
bedrock but nothing interesting.

AM lot snow

PM lot less.





17 sept 96



19 sept 96



20 sept 96



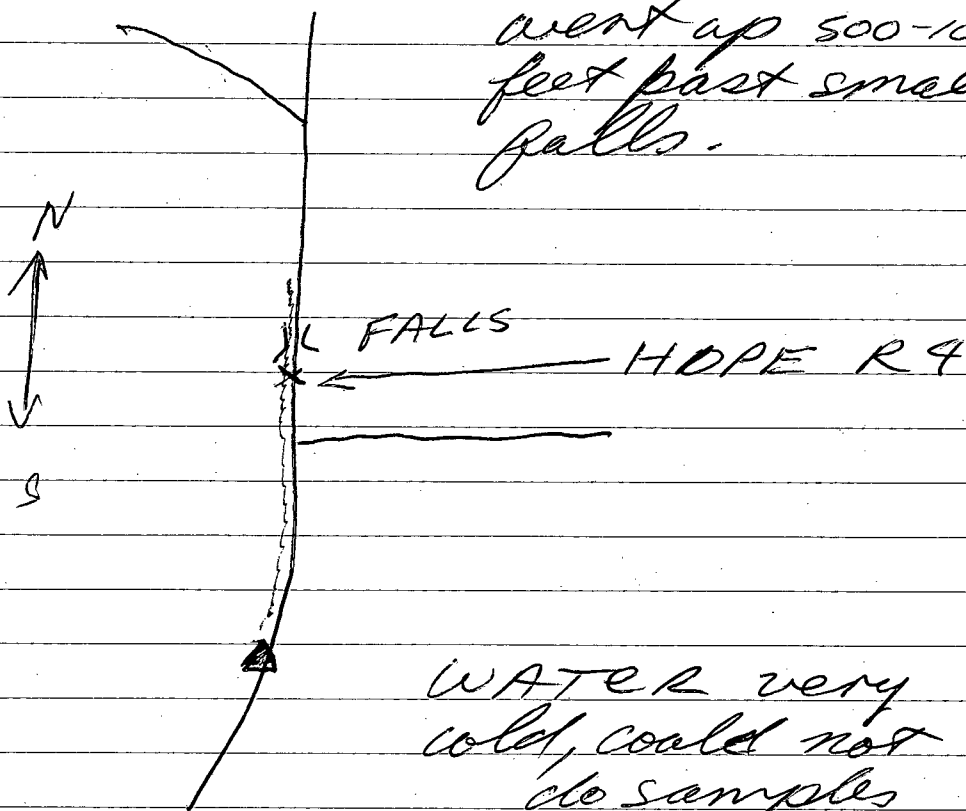
21 sept 96



21

SEPT 1966

Went up creek. Weather clear for a change. Saw 3-4 areas - sluices + suction dredges + long toms etc.



went up 500-1000' feet past small falls.

WATER very cold, could not do samples  
ie - put thru screens  
- 8 mesh

22

SEPT 96

Flew out. Late pick up. It

is possible a German tourist  
has died on mt south of GRANITE

creek - where I prospected in

??  
1994 or 93.

WH arrived in PM.

186,868 WH

6,468 left

~~180~~

400 km. trip

JULY 16/196

HS - 5 } silt

HS - 6 }

HR - 5 float

JULY 18/196

HS - 7 } silt

HS - 8 }

JULY 19/196

HS - 9 silt

HR - 6 float

JULY 110/196

HS - 10 SILT

JULY 24/196

HS - 11 silt

JULY 27/196

HS - 12 SILT

HR - 7 float

JULY 29/196

HR - 8 float

JULY 30/196

HS - 13 } silt

HS - 14 }

AUG 1/196

HS - 15 silt

AUG 12/196

HR - 9

HR - 10

HS - 16 silt

JUNE 18 196

VS-1 SILT SAMPLE

JUNE 20 196

V-1 }  
V-2 } FLOAT  
V-3 }

JUNE 23 196

VS-2 SILT SAMPLE

JUNE 24 196

V-4 float

V-5 "

JUNE 25 196

V6 float

V7 "

V8 "

JUNE 29 196

HS-1 SILT

JUNE 30 196

HS-2 SILT

HR-1 } Bedrock  
-2 }  
-3 }

JULY 14 196

HS-3 SILT

HR-4 float

JULY 15 196

HS-4 SILT

AUG 14 196

HS-17 silt

AUG 16 196

HS-18 silt

AUG 17 196

HS-20 silt

AUG 18 196

HS-19 silt

HS-21

HR 11

HR 12

HR 13

HR 14

HR 15

HR 16

AUG 19 196

HR 17 float

AUG 10 196

HR 18 ~~silt~~ float

HS 22 silt

Aug/29/96

MCS 1 silt cone.

Aug/30/96

MCS 2 " "

Aug/31/96

MCS 3 " "

MCR 1 chips in stream

Sept/3/96

MCS 4 silt cone

MCR 2 float

MCR 3 chips in stream

Sept/4/96

MCS 5 silt cone

MCS 6 " "

MCR 4 float

Sept/15/96

MCS 7 silt cone

MCR 5 bedrock

Sept/16/96

MCS 8 silt cone

MCS 9 " "

MCS 10 " "

MCS 11 " "

MCR 6 float

MCR 7 " "

MCR 8 " "

MCR 9 " "

MCR 10 " "

MCR 11 " "

MCR 12 " "



MCR 13 bedrock

MCR 14 "

MCR 15 float

MCR 16 "

SEPT 17/96

MCS 12

MCS 13

MCS 14

MCS 15

SEPT 17/96

HS 23 silt sample

HOPE (R1) float

HOPE (R2) "

SEPT 19/96

HS 24 silt sample

HS 25 " "

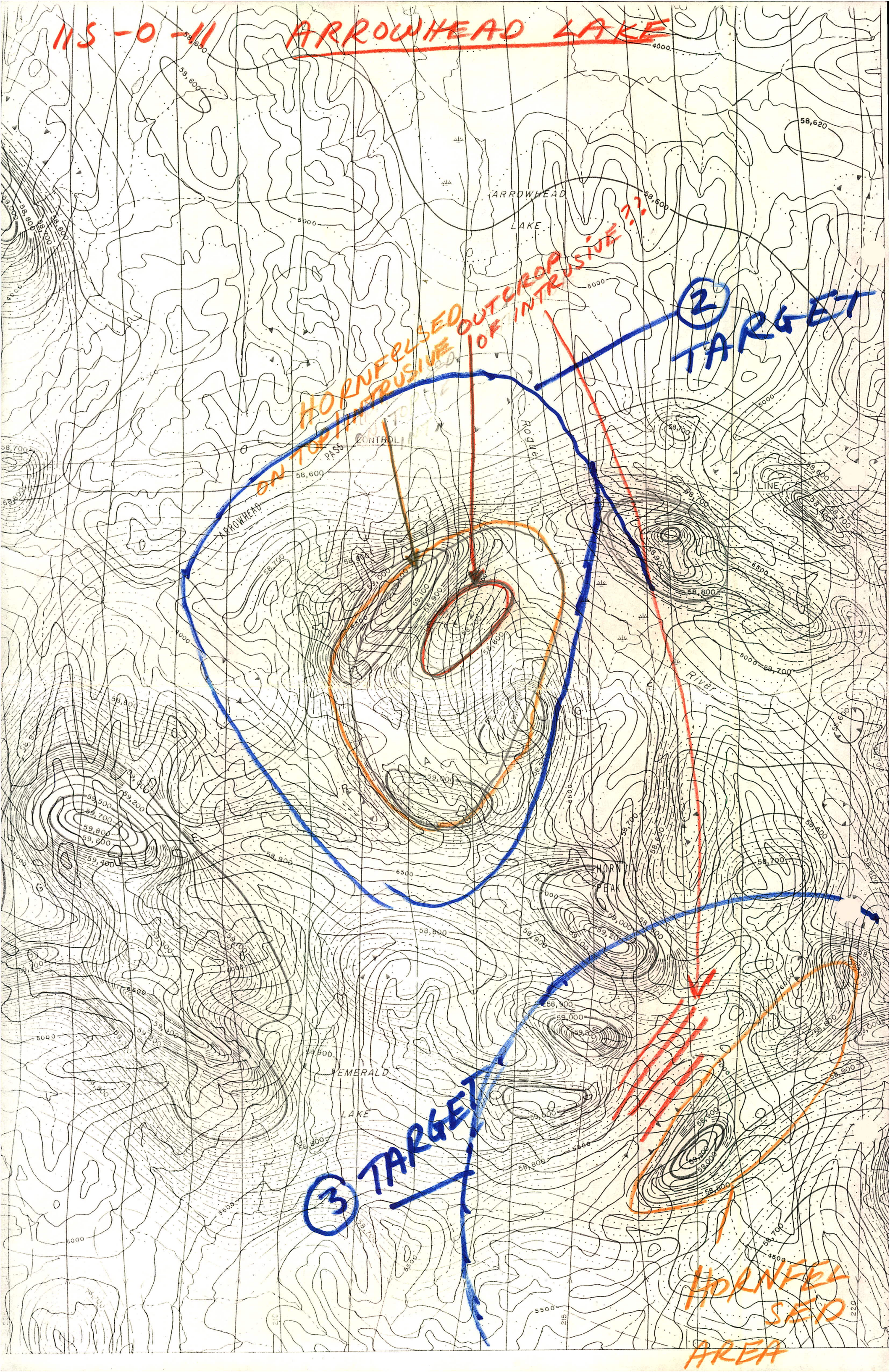
HOPE (R3) float

SEPT 21/96

HOPE (R4) float

115-0-11

ARROWHEAD LAKE



HORNFEELSED OUTCROP INTRUSIVE

ON TOP OF INTRUSIVE

2 TARGET

3 TARGET

HORNFEELSED AREA

115-0-11

40'

4341 G "1050/12"

35'

①  
TARGET

INTRUSIVE  
SERRONIA  
CLAIMS

63°30'

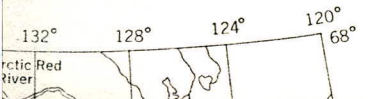
131°30'

25'

20'

4345 G "Niddery Lake"

MAP 4346 G



ARCTIC



TARGET

X

# FANGO LAKE

105-0-12

4340 G "Einarson Creek"

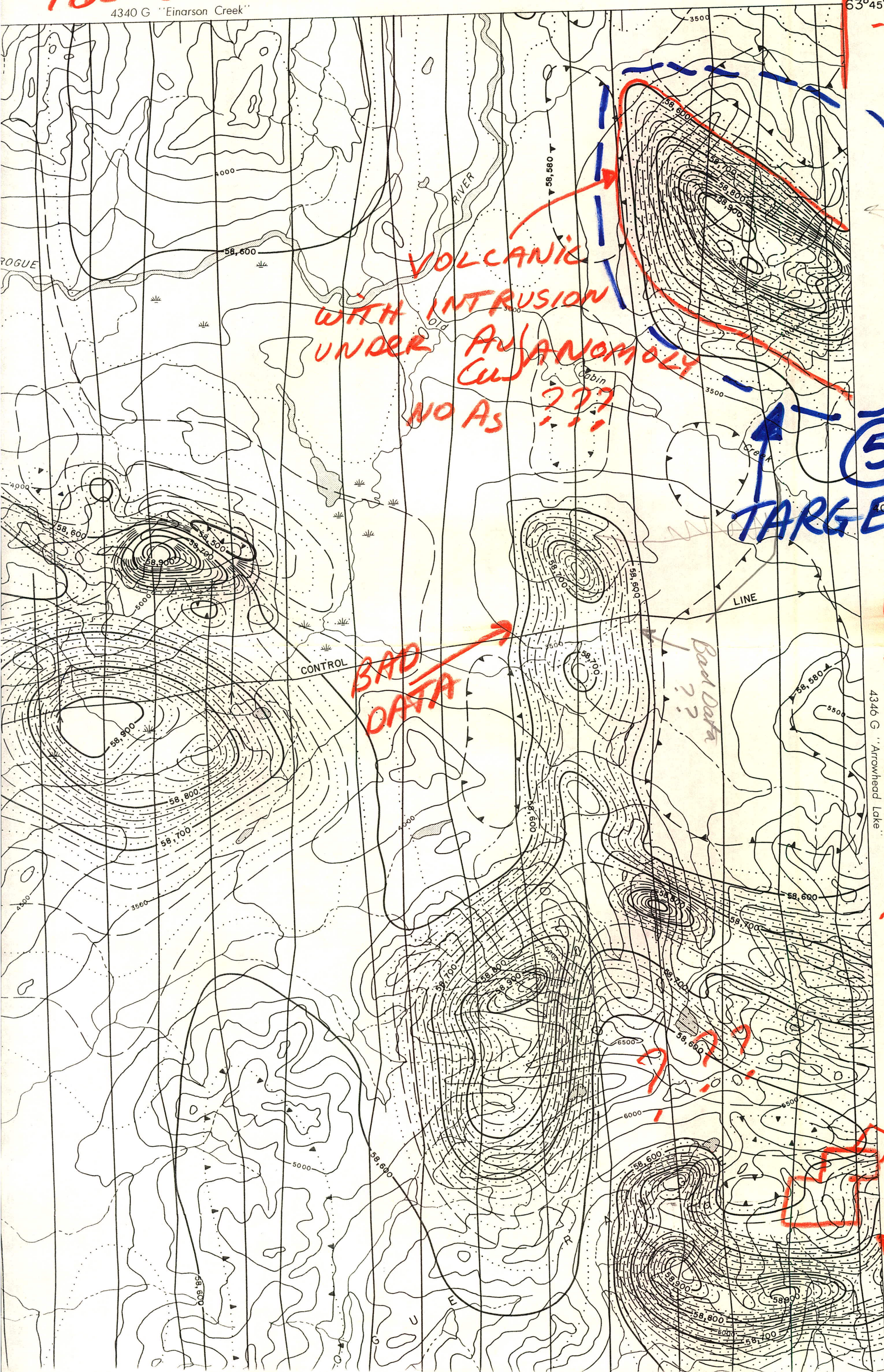
40'

35'

131°30'

63°45'

105  
-0-11



*Handwritten notes in blue ink:*  
Cabin Creek  
5  
TARGET

*Handwritten notes in red ink:*  
CHRISTINA CLAIMS Cu Au TARGET

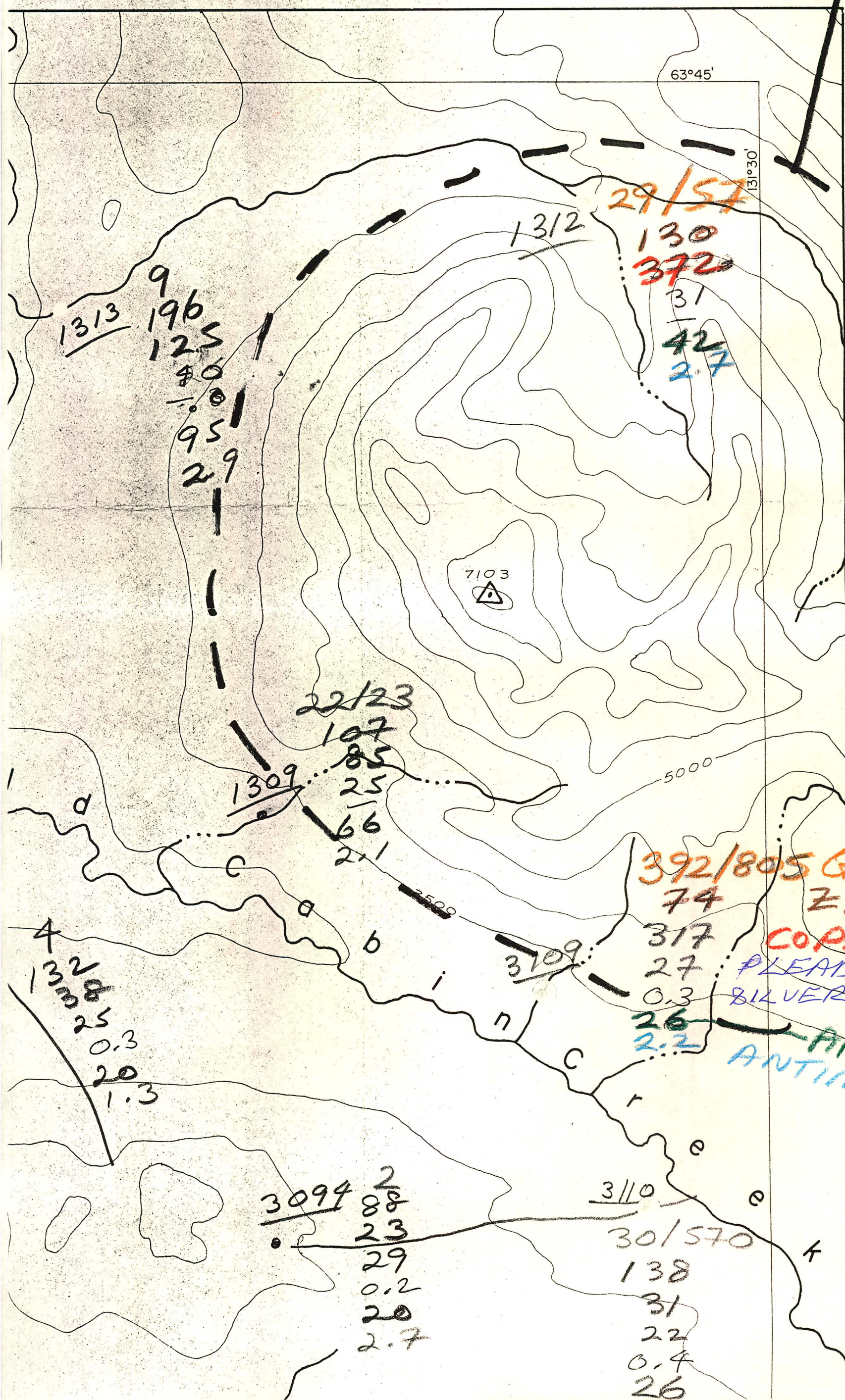
4346 G "Arrowhead Lake"

35

63°45'  
Magnetic North

|        |         |         |
|--------|---------|---------|
|        |         |         |
| 105N-8 | 105-0-5 | 105-0-6 |

5 TARGET



1313  
9  
196  
125  
40  
95  
29

29/57  
130  
372  
31  
42  
2.7

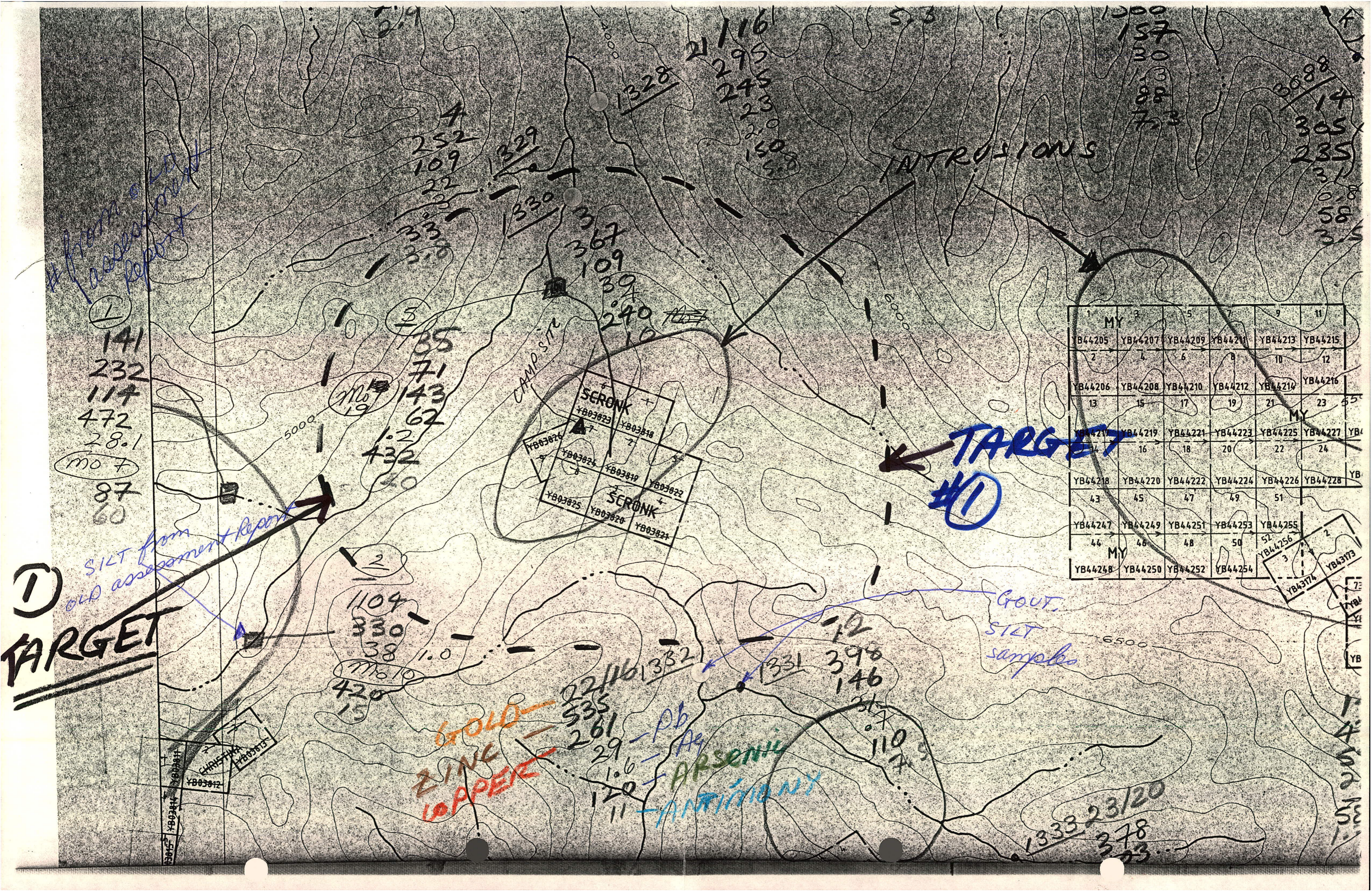
22/23  
107  
85  
25  
66  
2.1

4  
132  
25  
0.3  
20  
1.3

3094  
88  
23  
29  
0.2  
20  
2.7

3110  
30/570  
138  
31  
22  
0.4  
26

392/805 GOLD-PPB  
74 ZINC PPM  
317 COPPER PPM  
27 LEAD PPM  
0.3 SILVER PPM  
26 ARSENIC PPM  
2.2 ANTIMONY PPM



from old assessment report

141  
232  
114  
472  
28.1  
87  
60

SILT from old assessment report

1 TARGET

35  
71  
143  
62  
1.2  
432  
40

2  
1104  
330  
38 1.0  
420  
15

GOLD  
ZINC  
COPPER  
Pb  
Ag  
ARSENIC  
ANTIMONY

INTRUSIONS

1 TARGET

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| 1       | MY      | 3       | 5       | 7       | 9       | 11      |
| YB44205 | YB44207 | YB44209 | YB44211 | YB44213 | YB44215 |         |
| 2       | 4       | 6       | 8       | 10      | 12      |         |
| YB44206 | YB44208 | YB44210 | YB44212 | YB44214 | YB44216 |         |
| 13      | 15      | 17      | 19      | 21      | 23      | 25      |
| MY      |         |         |         |         |         |         |
| YB44217 | YB44219 | YB44221 | YB44223 | YB44225 | YB44227 | YB44229 |
| 14      | 16      | 18      | 20      | 22      | 24      |         |
| YB44218 | YB44220 | YB44222 | YB44224 | YB44226 | YB44228 | YB44230 |
| 43      | 45      | 47      | 49      | 51      |         |         |
| YB44247 | YB44249 | YB44251 | YB44253 | YB44255 |         |         |
| 44      | 46      | 48      | 50      | 52      |         |         |
| MY      |         |         |         |         |         |         |
| YB44248 | YB44250 | YB44252 | YB44254 | YB44256 |         |         |

GOUT. SILT samples

1333 23/20  
378  
303

TARGET  
②

ARROWHEAD LAK

316  
246  
21  
1.0  
41  
12

312  
10  
19  
12

47538  
189  
472  
134  
110  
5408

3089  
23/22  
707  
291  
5  
20  
220  
11

AV  
EN  
20711924  
267  
504  
707  
3.4  
2200  
30

gout  
silt  
samples  
+ numbers  
1115  
448  
47  
0.7  
140  
5.5

3089  
14  
305  
235  
3  
50  
50  
50  
50

23/21  
50  
36  
72  
2.1  
6608  
10  
5000

|         |    |         |
|---------|----|---------|
| 5       | LM | 6       |
| YB44115 |    | YB44116 |
| 3       |    | 4       |
| YB44113 |    | YB44114 |
| 1       | LM | 2       |
| YB44111 |    | YB44112 |

|         |         |
|---------|---------|
| 9       | 11      |
| YB44213 | YB44215 |
| 10      | 12      |
| YB44214 | YB44216 |

18/29



|         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 77      | 79      | 83      | 85      | 87      | 89      | 91      | 95      | 99      | 101     | 103     | 105     | 107     | 109     |
| MY      | 306     |         |         |         |         |         |         |         |         |         |         |         |         |
| YB44281 | YB44283 | YB44285 | YB44287 | YB44289 | YB44291 | YB44293 | YB44295 | YB44297 | YB44301 | YB44303 | YB44305 | YB44307 | YB44309 |
| 78      | 80      | 82      | 84      | 86      | 88      | 90      | 92      | 94      | 96      | 98      | 100     | 102     | 104     |
| YB44282 | YB44284 | YB44286 | YB44288 | YB44290 | YB44292 | YB44294 | YB44296 | YB44298 | YB44300 | YB44302 | YB44304 | YB44306 | YB44308 |
| 115     | 116     | 121     | 122     | 127     | 128     | 133     | 134     | 139     | 140     | 141     | 142     | 144     | 147     |
| YB44319 | YB44320 | YB44325 | YB44326 | YB44331 | YB44332 | YB44337 | YB44338 | YB44341 | YB44344 | YB44345 | YB44346 | YB44347 | YB44348 |
| 113     | 114     | 119     | 120     | 125     | 126     | 131     | 132     | 137     | 138     |         |         |         |         |
| YB44317 | YB44318 | YB44323 | YB44324 | YB44329 | YB44330 | YB44335 | YB44336 | YB44341 | YB44342 |         |         |         |         |
| 111     | 112     | 117     | 118     | 123     | 124     | 129     | 130     | 135     | 136     |         |         |         |         |
| YB44315 | YB44316 | YB44321 | YB44322 | YB44327 | YB44328 | YB44333 | YB44334 | YB44339 | YB44340 |         |         |         |         |

EMERALD

S-186B

3080  
5  
66  
48  
31  
2  
79  
2

Pb  
Zn  
Cu  
Pb  
As  
3078  
167  
62  
21  
30  
30  
30

Av 27/203079  
Zn 191  
Cu  
Pb  
As  
83  
55  
6  
30  
19  
19

11  
61  
93  
26  
0.2  
70  
5.5

??  
1930NE  
APC venturoo  
LOCATION?

??  
MAG HIGH  
AVA'S ANOMALY

TARGET  
4(3)  
TARG

17/20  
1945  
3080  
30  
30  
30

3186  
3138

13100  
1001  
1001  
1001  
1001  
17  
9

63°30'

④ TARGET

47/27

1105  
12  
239  
49  
10  
0.9  
20  
3.6

1109  
1020  
113  
19  
1.4  
73  
13

1112  
34/26  
711  
92  
24  
1.1  
400

INTRUSIONS

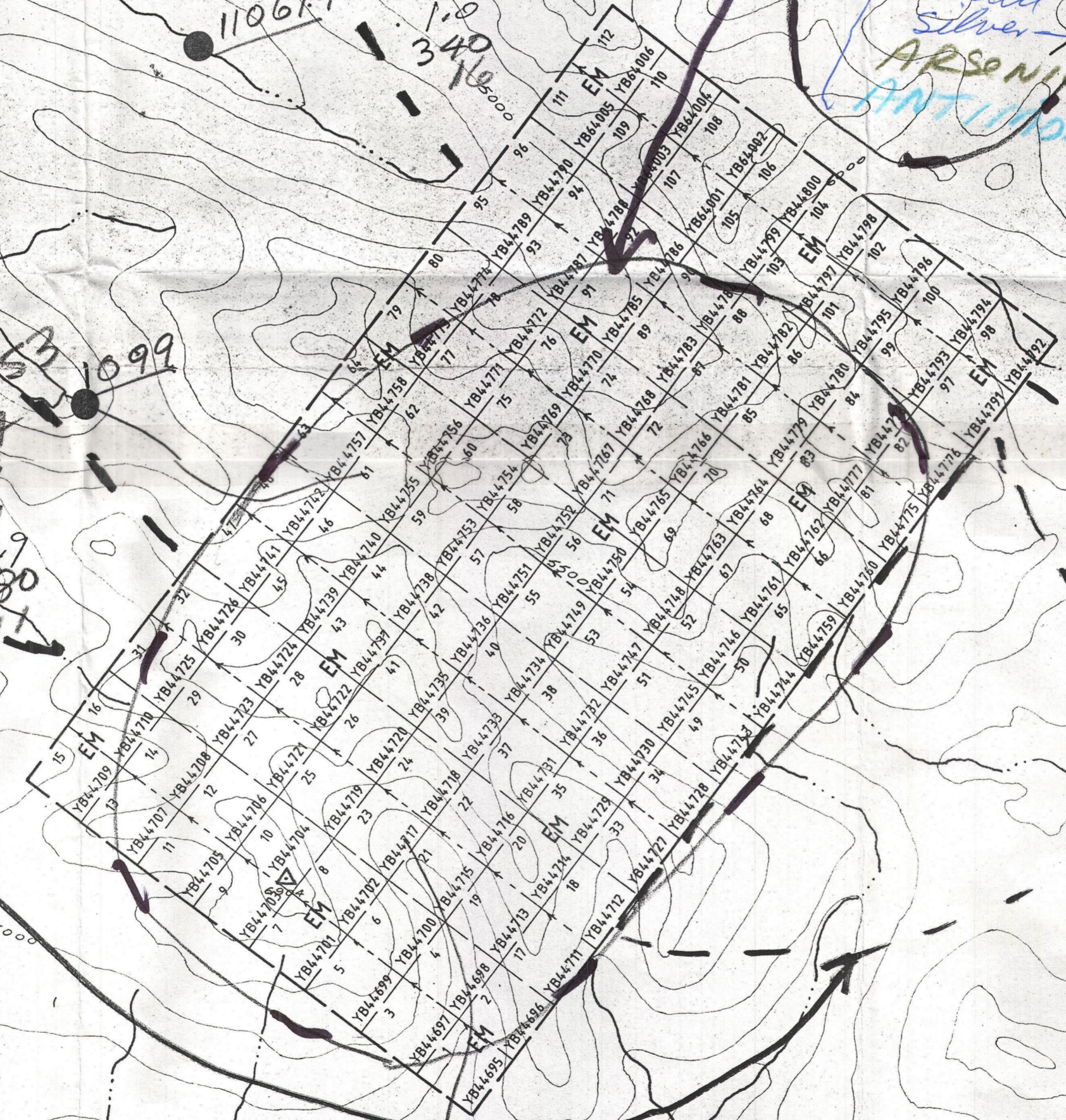
17/20  
992  
92  
18  
1.9  
46  
9.6

56/47  
500  
90  
22  
1.0  
340  
19

PAB  
GOLD  
ZINC  
40/51  
500  
152  
21  
2.0  
67  
ANTIMONY  
15

23/39  
899  
1127  
320  
25  
1.5  
220  
25

60/53  
1099  
127  
49  
21.9  
680  
11



16/15  
9091  
906  
68  
14  
0.1  
110.0  
12.0

23/20  
797  
85  
14  
0.5  
250  
12.0

1093  
1290  
45  
16.7  
0.7  
42  
7.0

1090  
4  
2/6  
36  
110.5  
66  
3.1

1096  
346  
77  
27  
0.2  
60  
7.9

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| 30      | 28      | 26      | 24      | 22      | 20      | 18      |
| PUB     | PUB     | PUB     | PUB     | PUB     | PUB     | PUB     |
| YB41435 | YB41438 | YB41431 | YB41429 | YB41427 | YB30605 | YB30607 |
| YB30609 |         |         |         |         |         |         |
| 29      | 27      | 25      | 23      | 21      | 2       |         |
| PUB     |         |         |         |         |         | PUB     |
| YB41434 | YB41432 | YB41430 | YB41428 | YB41426 | YB30606 | YB30608 |

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| 18      | 16      | 14      | 12      | 10      | 8       | 6       |
| BAL     | BAL     | BAL     | BAL     | BAL     | BAL     | BAL     |
| YB41411 | YB41409 | YB41407 | YB41405 | YB41403 | YB41401 | YB41402 |
| 17      | 15      | 13      | 11      | 9       | 7       | 5       |
|         |         | BAL     |         |         |         |         |
| YB41410 | YB41408 | YB41406 | YB41404 | YB41401 | YB41403 |         |

|         |         |         |     |     |     |
|---------|---------|---------|-----|-----|-----|
| 1       | 2       | 3       | 4   | 5   | 6   |
| BAL     | BAL     | BAL     | BAL | BAL | BAL |
| YB30609 | YB30601 | YB30603 |     |     |     |
| YB30601 | YB30602 | YB30604 |     |     |     |
| 2       | 3       | 4       | 5   | 6   |     |
| BAL     |         |         |     |     |     |

|          |          |
|----------|----------|
| 27       | 28       |
| BIG GOLD | BIG GOLD |
| YB41462  | YB41463  |
| 29       | 30       |
| YB41464  | YB41465  |
| 31       | 32       |
| YB41466  | YB41467  |
| MALLARD  |          |
| YB52733  | YB52732  |

|          |          |          |
|----------|----------|----------|
| 22       | 21       | 20       |
| BIG GOLD | BIG GOLD | BIG GOLD |
| YB45242  | YB45241  | YB41461  |
| 24       | 23       | 22       |
| YB45244  | YB45243  | YB45232  |
| 26       | 25       | 24       |
| YB45246  | YB45245  |          |
| 28       | 27       | 26       |
| BIG GOLD | BIG GOLD |          |
| YB45248  | YB45247  |          |
| 30       | 29       | 28       |
| YB45250  | YB45249  |          |

VMS TARGET

VMS TARGET (FLOAT)

MAG. ANOMOLY

116C-2c

MAGNETIC ANOMOLY

UNI CLAIMS

CICI CLAIMS

MAGNETIC ANOMOLY

N  
↑

|         |         |         |         |         |      |      |      |
|---------|---------|---------|---------|---------|------|------|------|
| 30      | 29      | 28      | 27      | 26      | 25   | 24   | 23   |
| MARY    | MARY    | MARY    | MARY    | MARY    | MARY | MARY | MARY |
| YA55100 | YA55099 | YA55098 | YA55097 | YA55096 |      |      |      |

|         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 24      | 22      | 20      | 18      | 16      | 14      | 12      | 10      | 8       | 6       | 4       | 2       |
| MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    | MARY    |
| YA67935 | YA67934 | YA67933 | YA67932 | YA67931 | YA67930 | YA67929 | YA67928 | YA67927 | YA67926 | YA67925 | YA67924 |

|         |         |
|---------|---------|
| 2       | 1       |
| MARY    | MARY    |
| YA67923 | YA67922 |

|         |         |
|---------|---------|
| 2       | 1       |
| MARY    | MARY    |
| YA67923 | YA67922 |

|         |         |
|---------|---------|
| 2       | 1       |
| MARY    | MARY    |
| YA67923 | YA67922 |

