

**Summary of Work
Henderson Creek Area
Yukon Territory, N.T.S. 115 O 6/7**

for

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

File Number 99-027

**John Peter Ross, Prospector
December 1999**

**YUKON ENERGY, MINES
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P.O. Box 2703
Whitehorse, Yukon Y1A 2C6**

99-027A

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Chapter One: INTRODUCTION

1.1 Introductory Statement

The Henderson Creek (NINA claim group), map sheet 115 O 6/7, was chosen because;

1. There is road access to the area.
2. Henderson Creek and Maisy May Creek have produced >94,867 oz. placer gold (recorded to 1997).
3. The source of gold seemed to be the headwaters of both streams - which is a common area to both.
4. The common area had an interesting plug-like intrusion with faults trending northwest to southeast.
5. The area has had almost no exploration for gold lode sources.
6. Recent success in Alaska - Pogo, Fort Knox and True North gold deposits, and the information from the 1998 Yukon Geoscience Forum short course on Alaskan Gold Deposits.
7. Published data on placer gold in both creeks says placer gold at the headwaters is coarser and less pure. As one goes downstream, the gold becomes finer, has less quartz attached and is more pure.

1.2 Location and Access

Access was by truck about 50 miles south of Dawson City on a rough mining road. The mining road is 2-wheel drive when dry and 4-wheel drive when wet. When wet it can be dangerous in steeper areas!



FIGURE #2
CLAIM LOCATION MAP
 DAWSON CITY MIN. DIST.
 NTS 115 0 6/7
 DATE 15 NOV 1999
 DRAWN by JP ROSS
 SCALE 1:31,680

NINA CLAIMS

LAURA

VLAAD

CHER

Creek

Road

Gate

2500

3500

60

3000

2000

1000

0

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12

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NINA
CLAIMS

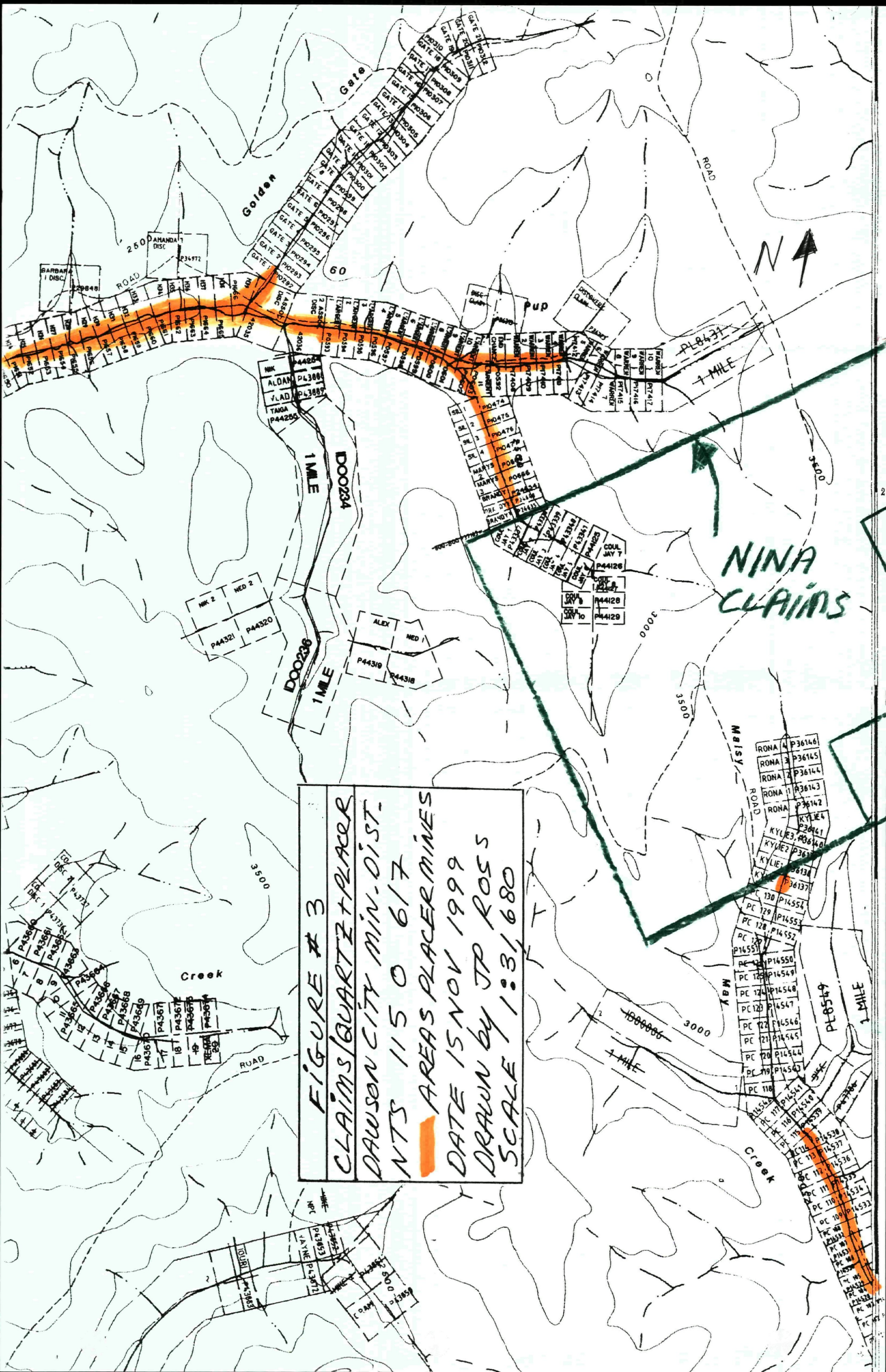
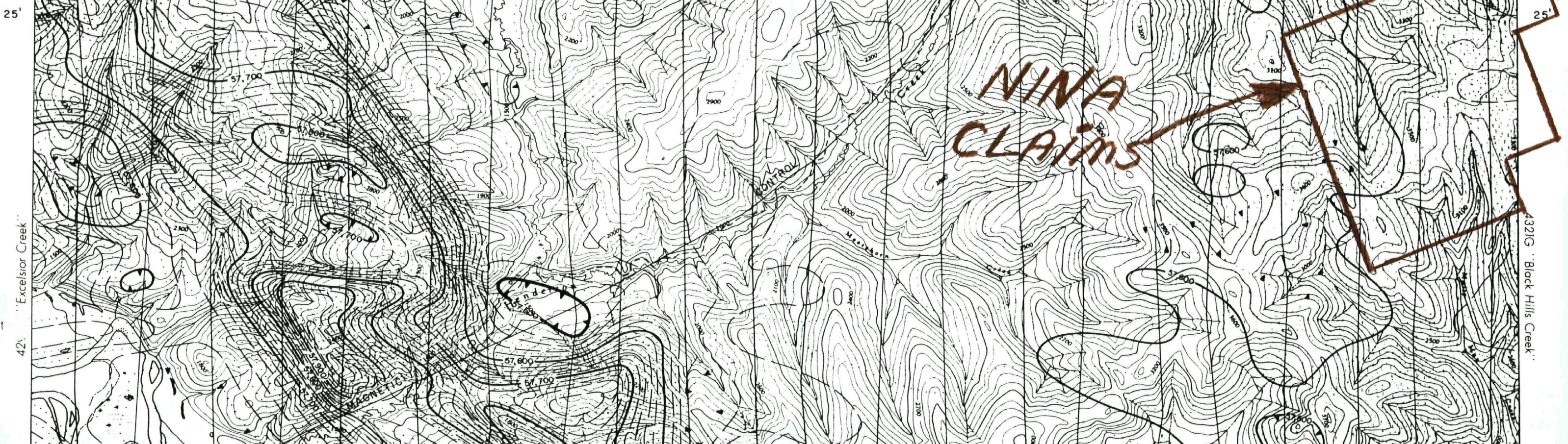


FIGURE #4
CLAIMS/MAGNETIC DATA
GEOPHYSICS PAPER 4307
NTS 115 0 6/7
DATE 15 NOV 1999
DRAWN by JP ROSS
SCALE 1:63,360



GEOLOGICAL LEGEND

- 4** CPSN 35 Carboniferous and Permian
Schist, gneiss, includes Big Salmon Metamorphic Complex
- 7** PGDN 09 Paleozoic Undivided
Pelly Gneiss: foliated to gneissic granodiorite
*age may be Cretaceous (C. Hart, Yukon Geology Program)
- 11** PC 09 Limestone
- 22** PC 09 Oligocene and Miocene
Carmacks Group: andesite, basalt, breccia

Summary of Work - Henderson Creek Area

GEOLOGICAL LEGEND from Open File 1364

J.P. Ross

SCALE:	FILE: ERNI	DATE: 99.22.29
NTS: 115 O 6/7	DRAWN: 	FIGURE 5a

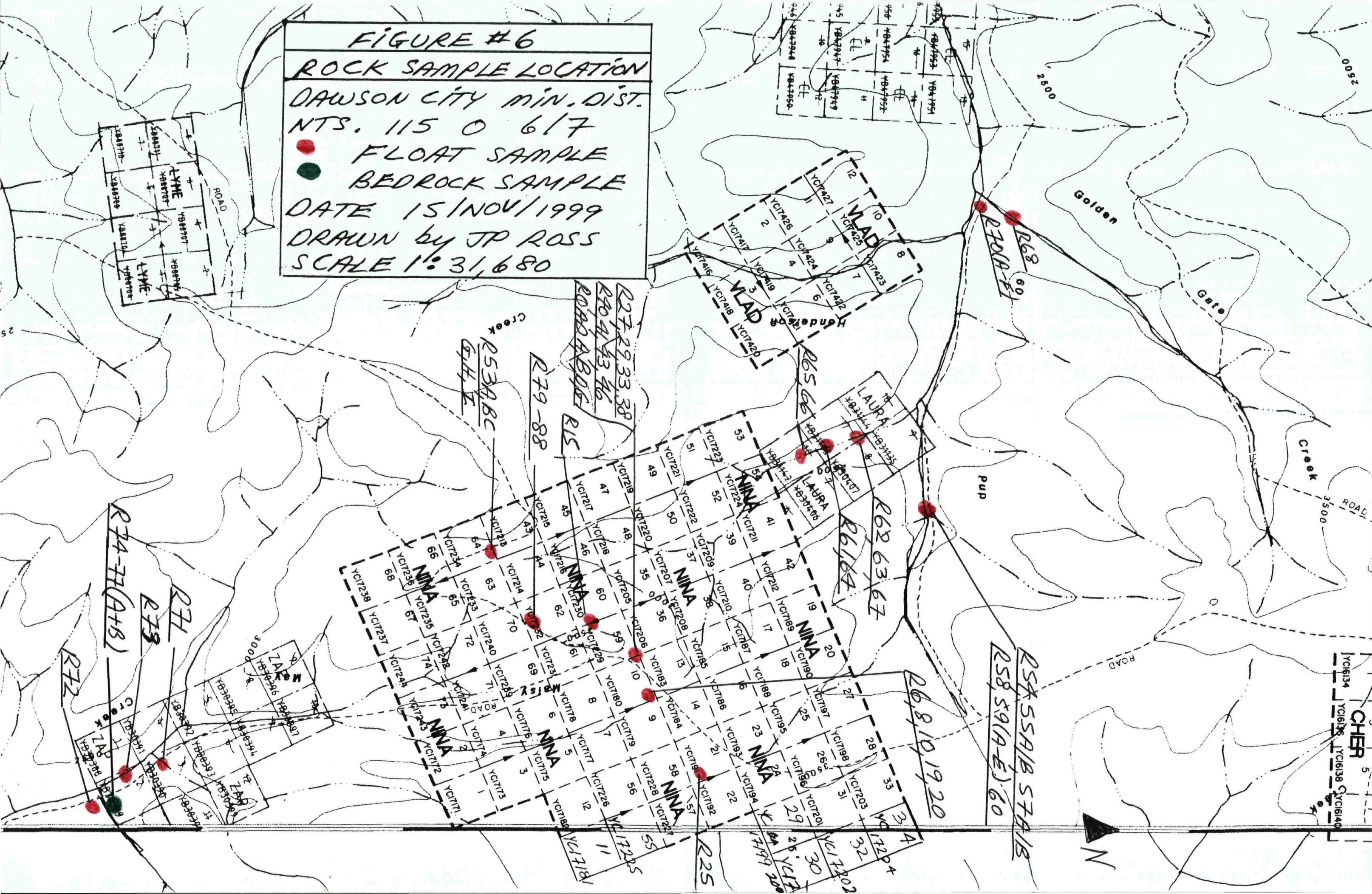
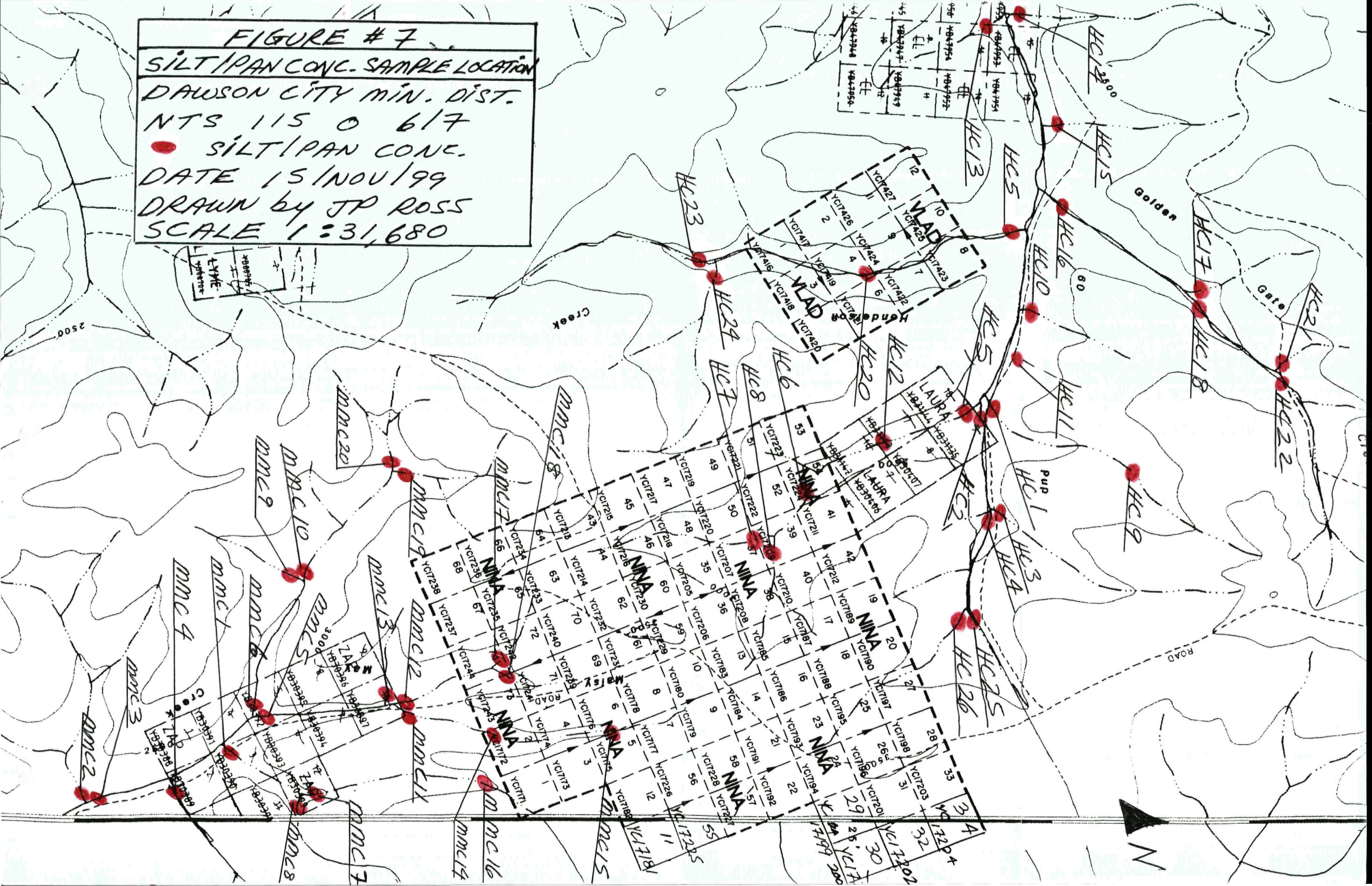


FIGURE # 7
 SILT/PAN CONC. SAMPLE LOCATION
 DAWSON CITY MIN. DIST.
 NTS 115 0 617
 ● SILT/PAN CONC.
 DATE 15/NOV/99
 DRAWN by JP ROSS
 SCALE 1:31,680



Chapter Two: SUMMARY

The NINA 1-74 claims were staked and recorded by J. Peter Ross and Hans Algotsson of Dawson City.

While staking, J.P. Ross took many float samples and 25 were tested (Au 30g + 30 element ICP) by Deltango Resources for a right of first refusal on the claims. The best float sample was a disappointing 60.8 ppb Au.

On the second trip; 40 float samples, 4 bedrock samples were taken and tested for Au 30g. At 46 sites silt samples were taken and tested for (-80+200 mesh Au 30g) and (-200 mesh Au 30g). At each site a pan concentrate sample was taken from -8 mesh material, panned down to about 1 lb. and tested for Au 30g.

As I was short of funding, no 30 element ICP were done. Perhaps later I may do these or a company will pay for them for a right of first refusal.

The float and bedrock samples from the second trip were low.

The silt and pan concentrate samples were encouraging but hard to evaluate. Au (-200 mesh); 18 were 25 ppb or better up to 129 ppb. Au (-80+200 mesh); 6 were 25 ppb or better up to 643 ppb. Au pan concentrate; 22 were 25 ppb or better up to 3099 ppb.

Hans Algotsson worked from (1999) June 29 to July 10. J. Peter Ross worked from (1999) June 29 to July 9, July 13, August 14, August 17 - August 22, September 29. The claims were recorded on July 13, 1999.

Chapter Three: GEOCHEMICAL SURVEY

3.1 Soil Geochemistry

No soil samples were taken.

3.2 Rock Geochemistry

On the first trip 25 float samples were taken and tested for Au fire assay 30g. The sample sites were marked with red fluorescent flagging tape.

On the second trip 40 float samples were taken and tested for Au fire assay 30g. Also 4 - 1 m chips of a gossan / fault were taken and tested for Au fire assay 30g.

3.3 Silt Geochemistry

Forty-six sites were chosen and marked by yellow and red ribbon. A Home Hardware 20l pail filled with water was used. Inside I put a plate and -20 mesh screen on it.

From many active sites and some moss mats I filled up 2 soil bags with -20 mesh material. These samples were tested for fire assay (-200 mesh Au 30g) and (-80+200 mesh Au 30g).

Also at each site I filled up 1 to 1.5 Home Hardware 20l pails with gravel from active stream areas and passed the material through an 8 mesh screen in order to fill up a gold pan. The - 8 mesh sample was then panned to about 1 lb. and tested for Au 30g fire assay.

3.4 Interpretation

Float samples ran up to 65 ppb Au and bedrock samples ran up 11 ppb Au.

I talked to placer miners from both areas, three on Henderson Creek and one from Maisy May Creek (not active in 1999). All were easy to take to and they gave me a lot of data on the area. The Maisy May miner gave me a little gold for study.

Bedrock is smooth in many places. On the flats areas; about 100 foot drop per kilometer; placer mining occurs in this section and can be profitable. When the grade of the bedrock is steeper, the placer miners find spotty coarse gold and the operation is not profitable. Both Maisy May and Henderson Creek are said to be economical down to the Stewart River and Yukon River. The gold is finer as one goes down to the mouth.

To analyze this area one must use placer data, steepness of the creeks and silt and pan concentrate samples together. I have separated the silt and pan concentrate samples into drainages for comparison. Au values are in ppb. The downstream samples are at the top of each graph.

A) GOLDEN GATE CREEK

Sample #	Au ppb -200 mesh	Au ppb -80+200	Au ppb pan con.
HC16	54	643	873
HC17	129	30	8
HC18	55	8	454
HC21	14	14	14
HC22	82	10	12

B) VLAD CREEK

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
HC19	17	12	3099
HC20	20	6	104
HC23	32	9	5
HC24	11	5	68

C) SANDBERG PLACER

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
HC5	39	7	35
HC12	7	231	42
HC6	25	6	8
HC8	13	-	10
HC7	8	7	25

D) "LITTLE DAVE" PLACER

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
HC2	36	14	50
HC3	8	5	14
HC4	7	115	21
HC25	34	-	6
HC26	31	-	7

E) MAISY MAY WEST FORK

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
MMC6	16	20	8
MMC9	30	144	444
MMC10	11	6	-
MMC19	50	8	7
MMC20	77	14	8

F) MAISY MAY EAST FORK

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
MMC1	14	6	-
MMC8	23	7	-
MMC7	87	5	-
MMC16	10	-	5

G) MAISY MAY MIDDLE FORK

Sample # (east side)	Au ppb -200	Au ppb -80+200	Au ppb pan con.
MMC5	7	-	-
MMC11	69	-	15
MMC14	18	6	-
MMC15	7	-	14
Sample # (west side)	Au ppb -200	Au ppb -80+200	Au ppb pan con.
MMC12	9	-	-
MMC17	27	11	16
MMC18	15	6	-

H)

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
HC1	8	14	5
HC9	9	148	6
HC3	8	5	14

I)

Sample #	Au ppb -200	Au ppb -80+200	Au ppb pan con.
HC11	6	-	9
HC10	9	-	7

- A. **GOLDEN GATE** Creek was stripped by Territorial Gold Placers in the 1980's but not mined. Little Dave said that Golden Gate Creek is quite steep and was spotty at the bottom and the placer mine lost money, also he did auger drilling on the creek; a small canyon is present just above HC18. Gold in auger test is present below and not above this canyon. The cucumber-like intrusion and surrounding area is a very good gold target and should be staked in the spring.
- B. **VLAD** Creek. In 1999 Vladimir Nedechev found a gold placer of 5,000 to 10,000 oz. which was later sold to Lee Olenyk of Whitehorse and Hans Algottson of Dawson City. The stream is not steep, but narrow. It is said to average 2.5g Au / yard³. The source may be the hill which looks like Alfred Hitchcock, just west of the oval intrusion. Gold with quartz was found in pits up to the forks (HC23 / HC24). In the spring claims should be staked to cover Alfred Hitchcock Hill.
- C. **SANDBERG** Placer. This flat area from HC5 to just below HC6 produced 4,000 oz. in 3,000 feet of creek (personal communication, Sean Ryan). Below HC6 is a steep area - but from HC6 up to HC8, HC7 is a flat area. In this area was seen 5-6 old test pits at HC6 and others up to the forks. This is probably another economic placer.
- D. **"LITTLE DAVE"** Placer. This area was steep and Little Dave lost money here - gold was coarse and spotty. The bedrock was steeper than Sandberg's placer area. The gold from here may not come from my claims.
- E. **MAISY MAY** West Fork. No placer mining has occurred here, there are a few test pits and no valid placer claims. MMC9 is on a fault? and should be followed up. MMC2 had a pan concentrate 108 ppb Au. MMC19 and MMC20 had high -200 mesh Au. A limestone unit is to the southwest of MMC20, MMC9, MMC2 and high -200 mesh gold suggests that a Carlin type gold deposit may be present. This area should be sampled at a close density and also Tenderfoot Creek and Moosehorn Creek should be done as well.
- F. **MAISY MAY** East Fork. No placer mining has occurred here, no test pits were seen and there are no valid placer claims. MMC7 had a high -200 mesh Au result.
- G. **MAISY MAY** Middle Fork - east side. Only one good silt sample MMC11 from just below my gold sample, which came from a narrow area of steep bedrock. This area was placer mined, the gold was coarse and the operation uneconomic. Above the mined area is a 700 foot long wide meadow which was tested by auger drilling and stripped, it has not been mined yet. Good gold values were found in the testing and the area will be a good placer mine. This area is almost touching my claim NINA 73 and NINA 2, but the silts were poor. This area has very low relief.

MAISY MAY Middle Fork - west side. MMC17 has a -200 mesh Au - 27 ppb and drains a small plug. Placer miners tested at MMC12. There was 20 feet of mud, almost no gravel, and no Au in pans.

H. Only one hit at HC9. The streams are quite steep and there are no valid placer claims.

I. Nothing of note. The streams are short and there is little water.

The saddles in ridges have a lot of wind blown sand or loess. This means -80+200 mesh and -200 mesh gold tests will be diluted. The gold is quite coarse in appearance in the upper ends of the creeks.

Ken Galambos, YMIP geologist, thinks a northwest to southeast trend of mineralization may be present. Bounded on the southwest by a granodiorite batholith and on the northeast by a zone causing a magnetic high. The intrusions are coming up into this area (a zone of weakness).

Chapter Four: PROSPECTING

This area warrants much more prospecting work, more claims should be staked as well. Three years of work was done on all the claims. All claims will be kept. In future I or a company will have the silts and pan concentrates done for 30 element ICP.

At present the deposit type is not known. The ICP results should tell me what deposit type is present.

APPENDIX 1

References

Geophysical paper/map, 4307G, Stewart River, 115 O/6.

Geophysical paper/map, 4321G, Black Hills Creek, 115 O/7

GSC Open File, 1364. Geochemical silt survey. NTS 115 N(E1/2) 115 O.

Personal Communication

Craig Hart, Yukon Geology Program

John Kowalchuck, NuLite, Kenrich Resources, Vancouver, BC.

Steve Taule, WMC, Manila, Philippines

Ken Galambos, YMIP geologist, Yukon Geology Program

Sean Ryan, prospector, Dawson City

Rich Fitch, placer miner on Maisy May Creek (gave me gold sample to study)

Bruce Cowan and son, placer miner on Henderson Creek

"Little Dave", placer miner on Henderson Creek

Vladimir Nedechev, placer miner on Henderson Creek

Intrusion Related Gold Mineralization - Alaska and Yukon. 1998 Yukon Geoscience Forum Workshop.

Government Publications

GSC Memoir 284, Bostock

GSC paper 63-36

GSC paper 65-19

Yukon Mineral Industry 1941-1959, Ruth Debicki

Yukon Placer Industry Report - 1978-1982, 1983-1984, 1985-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1997

Yukon MINFILE, 115 O 111 (PILOT)

(1A)

HENDERSON
MAISY MAY CR

DATA ON PLACER GOLD IN AREA

① GSC. MEM 284 - Henderson Creek gold BOSTOCK is finer than Thistle Cr + is not concentrated near bedrock, as in case of that creek, but extends (like Bonanza Cr) upwards into gravels for several feet.

② GSC. PAPER 63-36 1963 BURIAN'S started to mine just above GOLDEN GATE CR ON HENDERSON. MINED 10 (feet) of gravel under 3' mud. Old workings are present.
($63^{\circ}26'N$, $139^{\circ}08'W$)

③ GSC. PAPER 65-19 Henderson Cr had a few hand mining operations until YUKON GOLD PLACERS Ltd had small dredge op. 49-52, 54-56 + produced 26,636 oz. Lower end of workings is 10 miles up from mouth. About 2 miles were dredged.

GOLDEN GATE PLACERS. BURIAN'S.
($63^{\circ}26'N$, $139^{\circ}08'W$) upstream from former dredging operations. 1964

④ YUKON MINERAL INDUSTRY 1941-49 O'BICKI. Placer production + notes. In period no production from Black Hills or Maisy May Creeks. (Recorded)

(1B)

⑤ YUKON PLACER INDUSTRY
1978-82

① Henderson Cr. TERR. GOLD PLACERS
(63° 23' N, 139° 16' W) 78-81
Mining 2.4 miles up from FORKS, dredge
tail and 4-6' mud, 4-6' gravel + then
bedrock is QUARTZ-BIOTITE GNEISS
* Compared to second operation 5 miles
upstream, gold is 775 fineness + more
pure and finer.

② Henderson Cr. TERR. GOLD PLACERS
(63° 26' N, 139° 10' W) 78-81
Mining 7.4 miles up from forks 3.5
miles from upper limit of dredge.
Receivership in 1982. Stopped operation.
* Here gold = 720 fineness, less pure, more
coarse than downstream operation.

③ Maisy May Creek Maisy May Mine
(63° 19' N, 138° 58' W) 80-82
Mining area is 4-5' mud, 6' gravel.
Gold is distributed full thickness of
gravel and bedrock is blocky weathering
schist. Gold occurs as tabular grains
which appear worn. Magnetite +
* other heavy minerals are not
abundant. ↑

⑥ YUK. PL. IND.
1983-84

① MAISY MAY CR MAISY MAY MINES
(63° 20' N, 138° 58' W) 83
Deposit is 12-14' mud, 6' sand + silt,

(1C)

6-8' of gravel and bedrock is competent + blocky. Gold is 40% coarse grained and has rough edges.

(B) MAISY MAY CR. QUEENSTAKE RES
(63°22'N 139°00'W) MAISY MAY mines
Reserves = 200,000 yards 83-84.
at .01203 Au 1yd³. GOLD was 40% coarse
grained with rough edges. Several
pieces with quartz + black schist embedded
in them were found.

(C) HENDERSON CR. SURINAM-SUTHERLAND
(63°26'N, 139°09'W) 83-84 RES.
Deposits 15', 8' mud, 7' brown sandy
gravel and extensive hand mining by
early miners in area. Gold here is
coarse with rough edges. A size gradation
is apparent from this site + finer gold
downstream.

(D) Hend. Cr. SUR. SUTH. RES.
(63°23'N, 139°16'W) 83-84
2 miles up from FORKS. Gold here is fine
grained + 3 different colour varieties
occur.

(E) YUK. PL. INO.
1985-88

(A) Hend. Cr. Northway Mining
(63°26'N, 139°08'W) 88
Gold fineness was 750, and was a
mixture of medium + coarse-grained
gold.

(10)

(B) MAISY MAY CR. Queenstake Res.
(63°22'N, 139°00'W) 88

Deposit = 20' mud (up to) 5-6' gravel.
Sluiced bottom 4' gravel and 3' of bed-
rock. Fine grained flat gold was mainly
recovered. Nuggets often had quartz
attached. Fineness was 780.

(8) YUK. PL. IND.

1989-90

(A) MAISY MAY CR. QUEENSTAKE Res.
(63°21'N, 139°00'W) 89

Data same as 88

(B) HEND. CR. NORTHWAY MIN
(63°26'N, 139°5'W) 89-90 +EXP.

Deposits on 60 PUP. 12' deep. 4-6' of
mud, 2' of sand, 4' of gravels. Sluiced
all gravels. Gold is primarily fine
grained with some med. mesh size.
Fineness is 750.

(C) NORTH HEND. CR. DAVE LAURENSEN
(63°28'N, 139°13'W) 89-90

10 miles up from Fork. 1 ~~mining~~ 1 man
operation. Deposit up to 20'. 10' of mud,
8-10' of gravel. Bedrock decomposed
& clay-like. Gold was chunky with
both rough angular pieces + smooth
pieces with rusty discolouration.
Fineness 720-760.

(D) Maisy May Cr. JASPER EQUIP
(63°19'N, 138°57'W) 890

3 1/2 miles downstream from 89 Queenstake.

(1E)

Deposit = 10-12' 4-5' med 8' gravel
Gold was round + rough with very little
quartz.

⑨ YUK. PL. IND

1991-92

① Hend. Cr. NORTHWAY M+E.
(63°22'N, 139°20'W) 91-92
No Data

② NORTH Hend. Cr. DAVE LAURENSEN
(63°28'N, 139°14'W) 91

Mined bottom 5' gravel + 4' bedrock. Gold
was reddish + brassy colour. Coarse gold
was both angular + rounded. Fineness
was 780.

③ Maisy May Cr. JASPER EQ.
(63°19'N, 138°57'W) 91-92

Gold was flat and usually had a dull
red stain, fineness was 782.

⑩ YUK. PL. IND.

1993-94

① Hend. Cr. CARIBOU MINES
(63°22', 139°16'W) 93-94

Gold was mostly bright coloured + range
from med. to fine grained. Smaller
nuggets often has quartz attached.
Fineness 760-780.

② Maisy May Cr. Jasper Equip.
(63°19'N, 138°57'W) 93-94

1/3 = upstream where Queenstake
stop

(1F)

stopped. Most gold was flat smooth and around 16 mesh. Fineness is 770-780.

(C) MAISY MAY CR. VAN EVERY INC
(63°23'N, 139°00'W) 93-94

Testing near lead water. Gold was bright, chunky + coarse. Fineness is 770.

(11) YUK. PL. IND
1995-97

(A) Hend. Cr. Newcan Placers
(63°22'N, 139°19'W) 96, 97

1st dredge tails → Golden Gate Pwp. →
~~Henderson Cr~~ (just up from Forks) →
Test on EMALINE PWP (N Hend Cr) A lot
of moving.

(B) Hend. Cr. Coulee Res.
(63°22'N, 139°14'W) 97.

Moosehorn Cr. tested
no data

(C) Hend. Cr. Shellbrite placers
(63°23'N, 139°15'W) 96/97
gold was bright, typically flat + smooth.
Fineness was 780.

Comparing Henderson Cr + Maisy May
Cr. to other placer areas.

Much less than the Klondike which
has been heavily explored for gold
source, little success.

Less than 60 mile area. + 600,000

onces. Miller Glacier, 60 mile R, Bedrock and Little Gold creeks. Fair amount of exploration for Loce source. Not successful. Less than Clear Cr area. 110,000 ounces from 41-59 78-97. Heavily explored for Loce sources and reserves are ready to mine under better economic conditions. Some success.

The Eureka Cr - Black Hills area. 78,954 oz. Eureka 41-59 prod not included. Black Hills no prod. in 41-59. Production is from 78-97. Exploration for Loce have been low. Not successful.

Henderson Cr - Maisy May area
 Hend Cr. data 41-59 + 78-97 68,888 oz
 Maisy May Cr. no prod + 78-97 25,979
 in 41-59 [94,867] oz.

Exploration for loce has been almost non-existent. And area may be "dome" area of rather small surface area.

All 4 have road access.

**YUKON MINFILE
YUKON GEOLOGY PROGRAM
WHITEHORSE**

NAME(S): Pilot	NTS MAP SHEET: 115 O 7
MINFILE #: 1150 111	LATITUDE: 63°19'57"N
MAJOR COMMODITIES: -	LONGITUDE: 138°58'56"W
MINOR COMMODITIES: -	DEPOSIT TYPE: Unknown
TECTONIC ELEMENT: Yukon Tanana Terrane	STATUS: Uncertain

CLAIMS (PREVIOUS AND CURRENT)

APEX, PILOT, ZAP, LAURA

WORK HISTORY

Staked as Apex & Pilot cl (YA52945) in Aug/80 by Maisy May ML, probably in conjunction with current placer mining. In 1990, R. Audet and R. Lavoie staked the Zap claims (YB30388) 4.5 km to the north at the head of Maisy May Creek, and the Laura claims (YB30388) 5 km further north at the head of Dredge Creek. L. Gatenby performed stripping on the Laura cl in 1992.

GEOLOGY

The claims are underlain by gneiss, quartzite and schist of the Yukon Tanana Terrane.

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
1997 - Geochemical Exploration in Tropical Environments, MDRU
1998 - Metallogeny of Volcanic Arcs, Cordilleran Roundup Short Course
1999 - Volcanic Massive Sulphide Deposits, Cordilleran Roundup Short Course
1999 - Pluton-Related (Thermal Aureole) Gold, Yukon Geoscience Forum
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 - 1999
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
29 November
1999

APPENDIX 3

Rock Geochemistry (Bedrock Samples) - Assay Results

27/10/99

Certificate of Analysis

of pages (not including this page): 2

Peter Ross

WO# 00032

Certified by 
Justin Lemphers (Senior Assayer)

Date Received: 19/10/99

SAMPLE PREPARATION:			
Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	40	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh

ANALYTICAL METHODS SUMMARY:						
Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry
FA = fire assay

$$1000\text{ppb} = 1\text{ppm} = 1\text{g/mt} = 0.0001\% = 0.029166\text{oz/ton}$$



27/10/99

Certificate of Analysis

Page 4

Peter Ross

WO# 00025

Certified by



Sample #	Au 30g ppb
r R74A	10
r R74B	11
r R75A	7
r R75B	6
r R76A	8
r R76B	8
r R77A	6
r R77B	11



APPENDIX 4

Rock Geochemistry (Float Samples) - Assay Results

PHONE (604) 293-3158 FAX (604) 293-1716

ALL

GEOCHEMICAL ANALYSIS CERTIFICATE

Deltango Gold Limited PROJECT TINTINA File # 9902605

30 Dawson Road, Whitehorse YT Y1A 5T6 Submitted by: Gregg Jilson

ALL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Li ppm	B ppm	Al %	Na %	K %	N ppm	Cl ppm	Mo ppb	Se ppm	Te ppm	Ga ppm	S %	
R-6	2.20	4.23	1.68	2.3	27	2.5	6	56	38	5.0	2	1.3	4	8.2	.04	.16	.04	2	07	020	2.3	17.5	01	235	5	.001	2	34	089	14	9.1	04	<5	1	< 02	8	01
R-8	5.21	6.28	2.11	1.1	136	8.5	6	57	46	2.9	<1	.9	4	1.5	.03	.45	<.02	3	.01	001	1.7	40.7	01	44.1	.001	1	06	011	04	13.5	< 02	<5	< 1	04	2	01	
R-10	10.79	139.01	174.18	109.7	311	89.6	10.7	417	8	17.26.7	1.4	5	0.2	8	5.4	.28	.97	< 02	78	01	151	9.0	60.5	01	84.9	.009	<1	48	006	05	11.9	< 02	<5	3.9	57	1	0
R-15	267.33	46.10	245.14	29.3	1558	24.0	4.0	130	1.66	8.4	1.3	6.1	1.4	17.5	.22	3.88	9.05	20.01	015	13.6	46.0	.01	73.5	.002	1	13	004	06	16.2	13	<5	1.3	68	6	08		
R-19	6.96	8.24	2.81	6.4	21	5.7	2.1	152	94	17.1	2	4.1	1	2.7	<.01	.34	.03	15	02	.006	1.6	36.6	08	62.5	.020	<1	37	020	10	8.1	13	<5	.6	02	1	7	
R-20	5.95	4.83	2.48	1.7	15	6.5	9	85	38	1.7	3	1.4	2.0	8.7	<.01	.11	.09	<2	03	004	6.8	26.7	.02	341.0	.003	1	33	089	11	10.9	06	<5	1	02	8	01	
R-25	2.79	5.72	1.84	2.5	15	5.8	1.2	140	.41	1.7	4	< 2	8	9.0	.01	.08	< 02	<2	09	036	2.8	21.2	.02	81.6	.002	1	41	082	19	12.1	03	<5	1	02	1	01	
R-27	32.63	27.12	5.64	174.8	278	176.5	10.7	345	18	49.93	1	6	13.2	7	13.9	18	4.03	07	35	01	197	2.1	23.1	.01	173.7	.003	<1	40	003	03	1.7	07	93	5	11	1	
R-29	5.43	13.32	1.64	13.5	23	33.3	5.9	296	1.88	5.4	3	8	2.8	3.3	.02	.21	< 02	38	02	016	3.6	39.5	.05	56.2	.004	<1	25	002	03	15.1	02	<5	2	03	9	01	
R-33	37.51	26.81	5.37	80.6	1164	57.7	3.4	135	7.01	42.8	5	30.7	2.5	9.1	.08	3.49	.06	36	02	056	5.7	45.8	.01	112.6	.009	<1	27	005	08	10.8	02	45	3.2	74	1		
R-38	19.07	36.85	.65	85.0	70	76.9	4.7	137	5.44	26.5	3	5.0	2.8	6.9	.07	.94	< 02	86	.01	052	5.1	45.6	.01	97.4	.007	1	31	003	05	12.1	02	<5	4	03	9	01	
R-40	17.30	72.41	4.06	69.0	490	99.2	14.3	330	5.95	41.8	5	9.3	2.7	2.6	.22	1.35	<.02	54	.01	.069	7.4	50.1	.02	141.8	.015	<1	27	004	11	0.9	02	17	1.8	30	7	01	
R-41	23.92	18.11	5.11	50.3	764	36.2	2.5	115	4.4	32.1	3	21.0	2.7	7.8	.07	3.73	17	31	.01	.036	7.1	35.3	.01	99.7	.006	1	.20	002	07	13.9	06	26	1.5	68	1	2	
R-43	22.35	30.22	3.69	28.6	211	33.8	5.0	156	2.60	17.3	6	5.8	2.9	106.9	.07	.99	.03	78	.01	.096	9.1	65.4	.02	1375.8	.005	1	.58	.003	06	8.7	03	12	1.0	11	2	4	
R-46	4.83	56.94	.94	94.8	49	53.8	15.6	958	3.06	8.7	8	2.0	2.6	27.3	14	.32	< 02	65	.03	018	7.5	51.3	.06	215.2	.016	<1	.59	.003	02	11.8	.04	<5	5	06	1	8	
RE R-46	4.91	58.04	.94	95.8	50	53.6	15.5	950	3.06	8.9	8	2.4	2.5	27.6	.13	.27	< 02	65	.03	018	7.2	51.3	.06	210.5	.015	<1	.58	.002	02	12.0	.04	7	5	08	1	8	
R-53A	4.73	31.54	5.62	49.8	42	25.3	6.7	869	2.36	7	3	1.1	3.2	34.9	.13	.14	.08	100	.02	.014	2.9	73.3	.32	405.5	.071	1	.83	.005	36	8.1	21	<5	2	06	3	9	
R-53B	2.82	23.49	7.41	60.8	41	40.1	12.2	1636	3.16	6	5	1.0	3.2	110.0	.14	.13	.07	82	.02	.024	7.2	49.6	.16	390.5	.037	2	1.40	.010	28	8.1	20	<5	2	05	4	1	
R-53C	3.71	20.40	11.24	122.1	48	74.4	18.4	2344	5.29	5	1.0	6.0	4.9	112.3	.17	.21	.07	162	.03	.020	8.3	51.2	.23	633.1	.057	3	1.47	.012	35	3.6	31	<5	1	04	4	9	
R-53G	2.87	24.55	8.83	61.0	49	46.1	15.6	1204	4.97	5	5	15.1	2.7	79.7	.09	.14	.11	81	.04	.045	3.5	48.7	.10	782.7	.026	1	.60	.009	15	9.5	13	<5	4	07	2	3	
R-53H	3.59	5.20	2.92	6.9	20	7.9	4.0	245	.45	1	2	2.7	6	10.6	<.02	.11	.03	3	.07	.027	1.3	24.7	.03	318.8	.004	<1	.54	.069	19	9.6	.04	7	1	< 02	1	5	
R-53I	2.04	30.32	8.80	85.1	37	37.3	7.9	579	2.83	5	8	1.9	6.0	15.6	<.01	.16	.15	125	.01	.014	3.2	56.9	.23	219.7	.060	1	.94	.005	30	1.9	27	13	3	07	4		
ROAD-A	14.73	19.11	3.99	14.6	1796	23.3	4.1	371	3.31	10.8	3	60.8	3.5	4.4	.03	.27	.03	41	<.01	.007	7.3	65.5	.01	235.8	.015	<1	.11	.007	28	14.8	.04	8	2	9	1		
ROAD-B	6.84	79.97	2.99	44.9	562	59.8	6.6	125	3.27	32.8	.4	9.7	3.1	6.4	.07	.98	.07	37	.01	.039	7.2	49.2	.02	73.6	.005	<1	.39	.005	06	11.4	.02	12	8	13	1		
ROAD-D	60.99	73.70	4.13	144.5	405	96.2	15.8	740	11.94	49.1	4	9.2	1.5	16.4	.26	1.28	.06	46	.01	.089	4.1	37.3	.01	270.3	.004	1	.43	.002	08	7.9	.05	31	1	5			
ROAD-G	15.89	54.75	3.38	75.8	786	44.5	9.1	415	4.85	28.0	.4	21.8	3.1	3.3	.22	.68	.08	93	.01	.067	8.8	56.3	.01	111.2	.006	<1	.27	.003	06	12.4	.02	22	2	2			
STANDARD	13.76	127.65	28.72	156.2	237	35.5	11.8	806	3.16	58.4	20	3.195	3.3	4	29.2	11	22	10	31	10	66	73	58	.084	14.6	158.5	56	137.6	.111	2	1	74	.039	16	7	6	

Standard is STANDARD DS2.

30 GRAM SAMPLE IS DIGESTED WITH 180 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML WITH WATER, ANALYSIS BY ICP/ES & MS. THIS LEACH IS PARTIAL FOR NH FE SR CA P LA CR NG BA TI B U AND LIMITED FOR NA K GA AND AL.

- SAMPLE TYPE: ROCK Samples beginning 'RE' are Recons and 'RSE' are Reconstituted Recons.

DATE RECEIVED: JUL 29 1999 DATE REPORT MAILED: *Aug 10/99* SIGNED BY: *[Signature]* D. VOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

*** TOTAL PAGE.002 ***

TX/RX NO. 4122

10/08 .99 11:59

P.002

1000

27/10/99

Certificate of Analysis

Page 1

Peter Ross

WO# 00032

Certified by

	Sample #	Au 30g ppb
r	R54	46
r	R55A	7
r	R55B	<5
r	R56	18
r	R57A	<5
r	R57B	<5
r	R58	<5
r	R59A	<5
r	R59B	27
r	R59C	<5
r	R59D	<5
r	R59E	<5
r	R60	<5
r	R61	<5
r	R62	<5
r	R63	6
r	R64	13
r	R65	20
r	R66	7
r	R67	5
r	R68	10
r	R70A	6
r	R70B	<5
r	R70C	6
r	R70D	<5
r	R70E	<5
r	R70F	<5
r	R71	<5
r	R72	6
r	R73	<5



27/10/99

Certificate of Analysis

Page 2

Peter Ross

WO# 00032

Certified by



	Sample #	Au 30g ppb
r	R79	<5
r	R80	<5
r	R81	<5
r	R82	8
r	R83	<5
r	R84	<5
r	R85	25
r	R86	10
r	R87	65
r	R88	5



APPENDIX 5

Rock Sample Descriptions - Float Samples

<u>Sample Number</u>	<u>Description</u>
R54	Rough edges, silicified?, brown stain and sulphides
R55A	? - yellow green quartz, lots of sulphides
R55B	Stained outside yellow green brown - heavy, dark grey quartz and disseminated pyrite
R56	Meta-intrusive - outside yellow, feldspars green?
R57A	Meta-sediment - silicified, outside is yellow green, lots of sulphides
R57B	Meta-sediment - silicified, outside is yellow green, lots of sulphides
R58	Weird outside texture - rusty weathering and lots of sulphides (2-3%), lots of silica
R59A	Breccia or conglomerate?
R59B	Schist, yellow green stain, quartz stockwork
R59C	Fine grained volcanic rock
R59D	Metamorphosed intrusive
R59E	Fine grained volcanics, outside brown staining
R60	Quartz stockwork breccia - red altered clasts, chunks of intrusive
R61	Felsic intrusive - sulphides, quartz, pink potasic feldspar, sericite alteration
R62	Pegmatite dyke - sericite alteration, feldspars, grey quartz
R63	White fractured quartz with limonite breccias
R64	Intrusive - pyrrhotite (magnetic), sericite alteration, grey quartz and feldspars
R65	Green and dark green zones, garnets=skarn??
R66	Grey and white quartz, limonite boxwork, sulphides
R67	Grey quartz, some sulphides, 1 cm. band of biotite
R68	Similar to R86
R70A	Quartzite with holes in it
R70B	Quartz in volcanics
R70C	Breccia

R70D	Volcanic rock - manganese areas, nuggety look
R70E	Volcanic rock - crosscutting veinlets
R70F	Metamorphic quartz
R71	Meta-quartzite with quartz stockwork
R72	Meta-intrusive with yellow white altered feldspars?
R73	Pegmatite dyke - with grey quartz, muscovite, pink potassium feldspars?
R79	Grey quartz with lots of sulphides and small fine black specs
R80	Meta-sediment (volcanic?) - lots of sulphides, medium green, quartz and a few % pyrite
R81	Grey quartz - limonite on fractures, 1% pyrite and black specs
R82	Similar to R79
R83	Similar to R79
R84	Meta-sediment, some manganese and quartz
R85	Graphitic schist - grey quartz parallel to foliation, fine pyrite, limonite stockwork
R86	Intrusive? - silicified breccia, sulphides and holes, white quartz - brown stain outside
R87	Silicious quartz sericite schist - lots of limonite sulphides
R88	Similar to R86

Rock Sample Descriptions - Bedrock Samples

<u>Sample Number</u>	<u>Description</u>
	Fault was 4 m wide dipping about 60° to the north roughly parallel?? to side stream. Brown, yellow, black gouges up to 6" (quartz pieces), some harder parts has yellow, green stains.
R74	Chip sample - 1 m upstream end
R75	Chip sample - 1 m
R76	Chip sample - 1 m
R77	Chip sample - 1 m downstream end

Samples from head of Henderson Creek - J.P. Ross

Area	Sample	Description
Saddle	R06	Fractured muscovitic quartzite (or vein quartz?) - slightly rusty
Saddle	R08	Fine grained light grey to off white quartz, slightly fractured, has a fine grained clastic texture Scattered dusting of fine grained dark grey sulphide (?) in quartz Grey quartz cut by white quartz veins up to 1/2 cm wide - interesting vein material
Saddle	R10	Rusty brecciated light to medium grey fine grained quartz - sample seems dense - minor fine grained sulphides.
Saddle	R19	Brecciated blue grey to off white fine grained quartzite in granular quartz matrix
Saddle	R20	Coarse well foliated quartz feldspar muscovite gneiss - looks like a meta plutonic rock Not particularly rusty, no sulphides seen
Road	R27	Rusty, slightly vuggy fine grained siliceous breccia - fine light grey quartz fragments in chocolate brown fine grained quartz
Road	R29	Quartz muscovite schist/gneiss - possible feldspar - trace sulphides (??) - may have argillized clasts along foliation
Road	R33	Broken up quartzite fragment in fine grained blue grey quartz cemented breccia with poorly sorted sub-angular clasts of light grey quartz (vein quartz?). Schist fragments similar to R43, breccia matrix similar to R41 Sample rusty and slightly vuggy
Road	R38	Slightly rusty and vuggy breccia with fragments of quartz muscovite schist - light grey to off white - may have trace of fine grained dark grey sulphides. Schist plus finely brecciated schist clasts in siliceous breccia matrix
Road	R40	Rusty to slightly vuggy fractured fine grained white to light grey quartz - vein quartz probably - traces of pyrite and casts after small pyrite cubes
Road	R41	Fine grained grey weakly foliated quartz - finely clastic texture - dusting of fine grained grey sulphide - arsenopyrite (??) Sample is rusty weathering and slightly vuggy
Road	R43	Appears to be a granulated grey Nasina quartzite broken up by shearing along foliation (??) Still has a remnant foliation - white clasts of quartz clay and muscovite rock (argillized fine grained porphyry??)
Road	R46	Slightly rusty breccia vein as R53G - fragments to 2 cm are sub-angular to rounded and mainly quartz muscovite feldspar garnet schist/gneiss
Road	ROAD A	Fine grained bluish grey quartz rich rock - mottled light grey and dark grey texture on cm. scale - suggestion of relict igneous texture but very unclear Light grey quartz veins and veinlets. Rock weathers vuggy and slightly rusty - appears to be dusted through with fine grained grey sulphide (arspy + pyrite?)
Road	ROAD B	Blue grey foliated quartz muscovite schist - slightly brecciated fragments from breccia vein like ROAD G? probably broken up Nasina quartzite
Road	ROAD D	Sheared and brecciated grey quartz(ite?) (Nasina?) - rusty vuggy crackle veining between breccia fragments - part of sample a rusty vuggy quartz -Fe carbonate(?) vein?
Road	ROAD G	Rusty, vuggy breccia vein as previous. Fragments of quartz mica schist, both white and blue grey Nasina type, some vein quartz fragments. Matrix is fine grained blue grey quartz with clastic fabric, abundant orange rusty fractures, possible trace sulphides.
Hunters Camp	R53A	Rusty vuggy polymict breccia with very fine grained light grey quartz cement - fragments include mostly grey Nasina quartzite, some soft porphyry (?), metabasite and vein quartz
Hunters Camp	R53B	Vuggy rusty siliceous breccia - grey quartz schist fragments to 8 cm. long in matrix like R53C
Hunters Camp	R53C	Rusty reddish brown fine grained vuggy siliceous breccia - like a vuggy R27 Small light grey quartz and medium grey quartz schist fragments - weathering colour suggests possible weathered out Fe carbonate??
Hunters Camp	R53G	Breccia like R53A - large fragments of light grey muscovite quartz schist/gneiss - slightly rusty and vuggy
Hunters Camp	R53H	same as R25
Hunters Camp	R53I	Yellow to orange brown weathering fine grained slightly vuggy breccia like R53C - small mica flakes in breccia and clasts - could almost be a poorly sorted siliclastic rock but not likely
?	R15	Rusty vuggy vein quartz - some euhedral comb quartz Mostly quartz is granular, +/- 3 cm Diameter granules. Maybe some quartzite wall rocks
?	R25	slightly rusty quartz feldspar muscovite rock - coarse grained, crudely foliated - meta-pegmatite?? (similar to R20 but coarser)

APPENDIX 6

Silt Sample Geochemistry - Assay Results Au (-200 mesh)

27/10/99

Certificate of Analysis

of pages (not including this page): 4

Peter Ross

WO# 00025

Certified by 
Justin Lemphers (Senior Assayer)

Date Received: 12/10/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	8	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh
s	46	soil	Screen -80 mesh, extract ICP
s	46	soil	Screen -200 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry

FA = fire assay

$$1000\text{ppb} = 1\text{ppm} = 1\text{g/mt} = 0.0001\% = 0.029166\text{oz/ton}$$



27/10/99

Certificate of Analysis

Page 1

Peter Ross

WO# 00025

Certified by



	Sample #	Au 30g ppb
s	HC1 -200	8
s	HC2 -200	36
s	HC3 -200	8
s	HC4 -200	7
s	HC5 -200	39
s	HC6 -200	25
s	HC7 -200	8
s	HC8 -200	13
s	HC9 -200	9
s	HC10 -200	6
s	HC11 -200	9
s	HC12 -200	7
s	HC13 -200	9
s	HC14 -200	14
s	HC15 -200	15



27/10/99

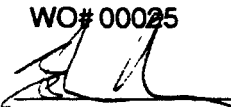
Certificate of Analysis

Page 2

Peter Ross

WO# 00025

Certified by



	Sample #	Au 30g ppb
s	HC16 -200	54
s	HC17 -200	129
s	HC18 -200	55
s	HC19 -200	17
s	HC20 -200	20
s	HC21 -200	14
s	HC22 -200	82
s	HC23 -200	32
s	HC24 -200	11
s	HC25 -200	34
s	HC26 -200	31
s	MMC1 -200	14
s	MMC2 -200	8
s	MMC3 -200	55
s	MMC4 -200	25



27/10/99

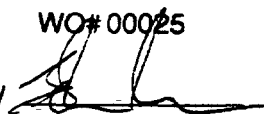
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Page 3

Peter Ross

WO# 00025

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	Sample #	Au 30g ppb
s	MMC5 -200	7
s	MMC6 -200	16
s	MMC7 -200	87
s	MMC8 -200	23
s	MMC9 -200	30
s	MMC10 -200	11
s	MMC11 -200	69
s	MMC12 -200	9
s	MMC13 -200	24
s	MMC14 -200	18
s	MMC15 -200	7
s	MMC16 -200	10
s	MMC17 -200	27
s	MMC18 -200	15
s	MMC19 -200	50



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	Sample #	Au 30g ppb
s	MMC20 -200	77



APPENDIX 7

Silt Sample Geochemistry - Assay Results Au (-80+200 mesh)

27/10/99

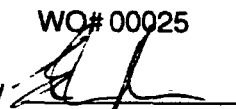
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	Sample #	Au 30g ppb
s	HC1 -80 +200	14
s	HC2 -80 +200	5
s	HC3 -80 +200	5
s	HC4 -80 +200	115
s	HC5 -80 +200	7
s	HC6 -80 +200	6
s	HC7 -80 +200	7
s	HC8 -80 +200	<5
s	HC9 -80 +200	148
s	HC10 -80 +200	<5
s	HC11 -80 +200	<5
s	HC12 -80 +200	231
s	HC13 -80 +200	6
s	HC14 -80 +200	12
s	HC15 -80 +200	8



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	Sample #	Au 30g ppb
s	HC16 -80 +200	643
s	HC17 -80 +200	30
s	HC18 -80 +200	8
s	HC19 -80 +200	12
s	HC20 -80 +200	6
s	HC21 -80 +200	14
s	HC22 -80 +200	10
s	HC23 -80 +200	9
s	HC24 -80 +200	5
s	HC25 -80 +200	<5
s	HC26 -80 +200	<5
s	MMC1 -80 +200	6
s	MMC2 -80 +200	11
s	MMC3 -80 +200	7
s	MMC4 -80 +200	5



27/10/99

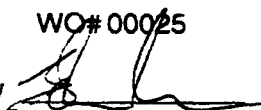
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WO# 00025

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	Sample #	Au 30g ppb
s	MMC5 -80 +200	<5
s	MMC6 -80 +200	20
s	MMC7 -80 +200	5
s	MMC8 -80 +200	7
s	MMC9 -80 +200	144
s	MMC10 -80 +200	6
s	MMC11 -80 +200	<5
s	MMC12 -80 +200	<5
s	MMC13 -80 +200	5
s	MMC14 -80 +200	6
s	MMC15 -80 +200	<5
s	MMC16 -80 +200	<5
s	MMC17 -80 +200	11
s	MMC18 -80 +200	6
s	MMC19 -80 +200	8



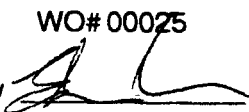
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Sample #	Au 30g ppb
s MMC20 -80 +200	14



APPENDIX 8

Pan Concentrate Geochemistry - Assay Results

Sample #	Dry weight in grams	Sample #	Dry weight in grams*
HC1	482	TAM1	459
HC2	541	MMC1	398
HC3	510	MMC2	434
HC4	498	MMC3	474
HC5	496	MMC4	501
HC6	483	MMC5	402
HC7	408	MMC6	415
HC8	387	MMC7	355
HC9	411	MMC8	386
HC10	461	MMC9	433
HC11	381	MMC10	370
HC12	382	MMC11	465
HC13	399	MMC12	451
HC14	427	MMC13	371
HC15	458	MMC14	365
HC16	412	MMC15	413
HC17	445	MMC16	362
HC18	303	MMC17	444
HC19	375	MMC18	483
HC20	449	MMC19	417
HC21	452	MMC20	519
HC22	454		
HC23	416		
HC24	409		
HC25	500		
HC26	492		

*weight includes sample bag and ribbon

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of pages (not including this page): 2

Peter Ross

WO# 00027

Certified by 
Justin Lemphers (Senior Assayer)

Date Received: 13/10/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
c	46	concentrate	Riffle split 200g, pulvenze to -100 mesh (if necessary)

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry

FA = fire assay

$$1000\text{ppb} = 1\text{ppm} = 1\text{g/mt} = 0.0001\% = 0.029166\text{oz/ton}$$



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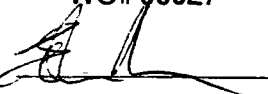
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Peter Ross

WO# 00027

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	Sample #	Au 30g ppb
c	HC PAN 1	5
c	HC PAN 2	50
c	HC PAN 3	14
c	HC PAN 4	21
c	HC PAN 5	35
c	HC PAN 6	8
c	HC PAN 7	25
c	HC PAN 8	10
c	HC PAN 9	6
c	HC PAN 10	7
c	HC PAN 11	9
c	HC PAN 12	42
c	HC PAN 13	32
c	HC PAN 14	11
c	HC PAN 15	83
c	HC PAN 16	873
c	HC PAN 17	8
c	HC PAN 18	454
c	HC PAN 19	3099
c	HC PAN 20	104
c	HC PAN 21	14
c	HC PAN 22	12
c	HC PAN 23	5
c	HC PAN 24	68
c	HC PAN 25	6
c	HC PAN 26	7
c	MMC PAN 1	<5
c	MMC PAN 2	108
c	MMC PAN 3	9
c	MMC PAN 4	<5



27/10/99

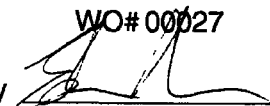
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Peter Ross

WO# 00027

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	Sample #	Au 30g ppb
c	MMC PAN 5	<5
c	MMC PAN 6	8
c	MMC PAN 7	<5
c	MMC PAN 8	<5
c	MMC PAN 9	444
c	MMC PAN 10	<5
c	MMC PAN 11	15
c	MMC PAN 12	<5
c	MMC PAN 13	7
c	MMC PAN 14	<5
c	MMC PAN 15	14
c	MMC PAN 16	5
c	MMC PAN 17	16
c	MMC PAN 18	<5
c	MMC PAN 19	7
c	MMC PAN 20	8





GEOCHEMICAL ANALYSIS CERTIFICATE



Copper Ridge Exploration Inc. File # 9904797 Page 1

500 - 625 Howe St., Vancouver BC V6C 3T6 Submitted by: Mark Fields

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	S %
HC PAN 1	.51	7.98	4.65	40.3	12 12.7	6.4	246	1.46	1.4	.9	1.8	4.3	29.5	.11	.14	.06	39	.34	.061	8.9	63.8	.50	160.6	.096	<1	.87	.019	.24	.4	.09	10	.1	<.02	2.9	.01	
HC PAN 2	.93	12.66	4.66	28.2	85 15.8	5.2	308	1.13	8.6	.7	30.8	2.5	17.6	.12	.14	.09	33	.34	.091	7.1	69.0	.35	177.9	.058	<1	.55	.013	.11	.8	.05	<5	.6	.02	1.9	.10	
HC PAN 3	.77	9.36	4.75	34.1	20 15.8	5.5	285	1.24	3.0	1.0	1.3	4.1	28.1	.08	.18	.06	34	.34	.099	10.9	72.5	.32	177.8	.086	1	.63	.018	.11	.4	.05	9	.3	.02	2.2	.01	
HC PAN 4	.50	8.79	3.22	29.7	25 15.1	4.9	267	1.18	3.0	.5	7.5	2.7	14.0	.08	.13	.03	35	.36	.091	9.3	77.4	.34	197.8	.075	<1	.66	.013	.10	.5	.04	10	.3	<.02	2.1	.01	
HC PAN 5	.86	10.61	3.59	29.9	415 13.5	5.4	311	1.20	2.7	.7	3184.6	3.2	16.0	.10	.14	.05	36	.44	.097	9.3	72.4	.35	170.9	.071	1	.64	.016	.11	3.2	.04	12	.3	.02	2.1	.02	
HC PAN 6	.64	9.15	2.95	23.2	29 14.8	4.3	148	.98	2.7	.5	27.3	2.5	9.2	.05	.15	.04	34	.29	.081	7.5	78.6	.28	140.2	.071	2	.55	.014	.08	.6	.03	16	.2	.02	2.1	<.01	
HC PAN 7	.57	7.47	2.78	26.2	23 14.2	4.2	164	1.01	2.3	.5	5.4	2.6	10.8	.07	.18	.04	31	.35	.091	8.3	96.1	.29	133.5	.074	3	.56	.017	.07	.6	.03	13	.1	<.02	2.0	<.01	
HC PAN 8	.61	8.34	2.70	27.7	43 17.7	4.8	255	1.04	3.8	.5	38.2	2.8	12.1	.06	.21	.03	35	.35	.092	10.0	102.0	.33	150.3	.074	3	.56	.014	.08	.8	.03	15	.3	<.02	1.9	<.01	
HC PAN 9	.85	8.90	5.41	42.2	<2 16.8	5.9	336	1.42	3.0	1.7	4.9	5.0	37.9	.06	.19	.06	42	.44	.097	15.6	86.6	.35	174.0	.099	4	.68	.021	.07	.9	.04	7	.3	.03	2.5	<.01	
HC PAN 10	.52	8.33	2.89	24.3	21 13.7	4.8	210	1.04	2.7	.4	5.0	2.2	12.6	.08	.17	.04	33	.39	.079	6.4	72.2	.30	96.7	.079	2	.60	.020	.06	.4	.03	9	.2	.02	1.9	<.01	
HC PAN 11	.48	7.54	2.61	24.5	20 12.4	4.8	191	1.04	1.6	.6	.3	3.2	17.4	.06	.13	.03	34	.52	.091	8.4	84.7	.35	106.7	.099	1	.69	.020	.10	.5	.03	9	.2	<.02	2.4	<.01	
HC PAN 12	1.01	13.21	3.53	26.2	49 15.1	5.3	301	1.15	2.3	.8	32.4	2.4	15.2	.10	.12	.05	36	.43	.095	7.2	87.2	.32	163.2	.072	2	.62	.017	.10	1.0	.04	7	.5	.03	2.0	.06	
HC PAN 13	.89	5.54	5.76	24.1	58 4.5	4.9	248	1.50	1.8	.8	537.2	5.9	27.8	.07	.12	.06	51	.50	.062	11.5	63.6	.19	113.4	.078	3	.63	.017	.09	3.3	.05	5	.2	.02	2.4	<.01	
HC PAN 14	.37	5.13	3.10	23.8	14 5.6	3.8	173	.97	1.6	.7	17.0	5.2	19.7	.05	.16	.05	29	.38	.057	11.5	47.8	.23	109.9	.063	5	.58	.021	.08	.9	.04	18	.1	<.02	2.0	.01	
HC PAN 15	.35	6.16	3.81	27.7	28 7.9	10.6	321	3.11	1.6	.5	2.9	2.5	22.2	.07	.13	.06	63	.76	.081	7.0	50.6	.38	87.3	.110	4	.79	.040	.06	.5	.02	7	.2	<.02	3.5	<.01	
HC PAN 16	.85	13.98	10.80	39.1	52 18.7	7.8	403	1.98	6.0	1.0	3.3	5.8	22.1	.15	.36	.34	51	.61	.112	14.8	75.8	.39	169.8	.098	3	.76	.023	.10	2.3	.04	16	.6	.10	2.9	<.01	
HC PAN 17	.69	9.97	3.27	30.3	24 10.3	6.3	286	1.55	2.2	.9	6.5	5.3	20.6	.07	.11	.09	45	.62	.113	10.9	62.8	.38	118.1	.094	4	.85	.022	.19	.8	.05	5	.3	.02	2.8	<.01	
HC PAN 18	1.00	16.44	10.19	46.5	63 24.8	6.9	393	1.50	5.1	.7	12.0	3.2	19.7	.12	.29	.18	38	.35	.087	11.6	109.5	.35	153.2	.053	4	.74	.013	.08	.3	.04	6	.6	.09	2.3	<.01	
RE HC PAN. 18	1.10	17.34	11.53	47.0	63 24.7	7.0	397	1.52	5.5	.8	1.2	3.5	20.1	.14	.31	.19	39	.36	.087	11.7	112.2	.36	143.1	.058	2	.75	.014	.09	.3	.05	<5	.5	.08	2.5	<.01	
HC PAN 19	.85	8.13	3.75	27.5	169 7.3	9.9	380	2.10	2.0	.6	1789.2	2.6	23.4	.10	.14	.08	45	.72	.086	6.7	62.2	.38	95.4	.101	3	.80	.044	.09	1.4	.03	10	.2	.02	3.0	<.01	
HC PAN 20	.50	4.54	2.54	23.6	105 5.6	5.1	251	1.28	1.3	.5	638.8	2.6	20.3	.06	.10	.03	37	.67	.083	7.7	47.2	.37	83.4	.097	3	.76	.036	.08	.6	.02	11	.1	<.02	2.2	<.01	
HC PAN 21	1.77	31.40	6.52	51.7	60 41.4	11.6	533	2.39	6.2	1.0	15.8	4.1	14.8	.17	.30	.25	74	.44	.103	12.3	106.5	.68	239.6	.103	4	1.19	.015	.23	<2	.09	<5	.8	.08	4.3	.01	
HC PAN 22	1.08	12.53	26.86	66.5	110 24.0	7.0	716	1.49	13.6	.8	26.1	3.3	22.8	.19	.55	.33	37	.27	.075	11.6	74.2	.37	152.8	.047	4	.71	.010	.06	.3	.05	6	.5	.10	2.4	.01	
HC PAN 23	.89	6.17	3.82	31.6	25 7.4	5.7	266	1.55	1.7	.6	4.2	2.4	20.9	.11	.12	.07	40	.62	.085	6.6	57.1	.34	120.5	.097	1	.79	.040	.08	.3	.03	7	.3	.02	2.4	.01	
HC PAN 24	.36	5.06	2.46	24.1	16 6.9	7.2	255	1.66	2.2	.4	14.4	2.1	19.6	.05	.12	.03	39	.72	.091	6.0	50.1	.41	60.5	.105	1	.80	.043	.06	.6	.02	6	.2	<.02	2.5	<.01	
HC PAN 25	.30	4.75	2.49	18.7	8 5.7	3.1	252	.89	.8	.6	11.0	3.3	28.7	.06	.09	.02	29	.65	.114	9.5	55.6	.21	62.9	.072	1	.62	.017	.07	.8	.02	13	.2	<.02	1.9	<.01	
HC PAN 26	.75	12.82	2.79	25.6	21 11.7	2.9	284	1.15	1.9	.8	<2	3.7	9.2	.06	.10	.04	36	.24	.071	12.3	65.1	.23	118.8	.082	2	.59	.008	.16	.3	.06	6	.3	.02	2.2	<.01	
MHC PAN 1	.86	12.35	2.52	26.8	23 20.5	5.6	427	1.31	2.8	.6	<2	2.6	13.6	.11	.25	.03	38	.53	.113	8.3	88.0	.37	158.9	.086	1	.64	.015	.07	1.1	.03	5	.5	.03	1.9	.01	
MHC PAN 2	.74	14.64	7.41	40.8	53 17.6	10.3	394	2.07	3.8	.7	3.5	4.6	23.9	.35	.18	.05	43	.51	.076	10.8	70.3	.53	142.4	.087	3	.98	.024	.12	.9	.06	5	.4	.05	3.2	.01	
MHC PAN 3	.85	16.65	3.66	30.4	166 19.7	8.5	507	1.62	2.7	.6	2888.0	3.0	19.2	.17	.22	.03	41	.50	.091	7.5	74.8	.47	180.4	.081	1	.77	.018	.12	.7	.05	14	.6	.05	2.3	.01	
MHC PAN 4	1.05	18.77	3.05	35.1	29 29.6	8.1	433	1.49	3.7	.6	11.5	2.1	12.1	.13	.33	.04	44	.44	.101	7.8	80.1	.43	202.1	.076	<1	.66	.013	.10	.3	.04	<5	.7	.05	2.1	.01	
MHC PAN 5	.74	10.89	2.22	24.3	26 21.1	7.0	546	1.03	1.8	.5	2	9	2.1	12.2	.09	.10	.03	33	.44	.114	7.0	101.3	.34	178.0	.070	1	.52	.013	.09	<2	.03	8	.4	.02	1.7	.01
MHC PAN 6	.80	6.95	2.96	30.2	19 10.9	6.3	354	1.24	1.6	.6	1.5	2.9	14.7	.07	.09	.03	34	.41	.077	6.7	61.9	.36	112.0	.070	2	.72	.020	.10	.4	.04	6	.2	<.02	2.5	.01	
MHC PAN 7	.65	9.77	2.08	24.3	26 16.4	4.5	386	1.09	1.6	.5	<2	2.4	11.8	.09	.18	.03	36	.50	.116	8.0	105.2	.32	128.3	.093	<1	.59	.017	.07	.7	.03	13	.5	.02	1.8	.01	
MHC PAN 8	.69	10.93	1.86	25.5	25 18.7	4.5	376	1.20	1.7	.5	<2	2.1	12.5	.10	.15	.03	38	.54	.136	8.6	95.3	.33	123.8	.084	<1	.62	.015	.07	.4	.03	12	.5	.03	1.8	.01	
STANDARD DS2	14.54	136.15	31.31	165.8	261 36.3	13.3	829	3.35	61.3	24.5	218.0	3.7	30.1	11.53	10.14	11.35	84	.56	.090	17.1	174.4	.63	155.2	.116	4	1.84	.032	.16	8.1	2.06	272	2.7	1.90	6.4	.02	

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN - 100 PPM; MO, CO, CD, SB, BI, TH, U, B - 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR - 10,000 PPM.

- SAMPLE TYPE: PC PULP Samples beginning 'RE' are Reruns and 'RRE' are Repeat Reruns.

DATE RECEIVED: DEC 14 1999 DATE REPORT MAILED: Dec 23/99 SIGNED BY: C. L. D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	S %
MMC PAN 9	1.20	12.98	3.74	40.7	47	16.3	7.2	393	1.51	1.8	.7	59.6	2.7	13.2	.13	.14	.09	49	.41	.073	6.8	84.5	.43	139.2	.064	<1	.80	.018	.09	.7	.05	<5	.3	.03	2.7	.02
MMC PAN 10	.93	6.74	3.72	29.1	24	9.1	6.2	451	1.25	1.5	.7	2.0	3.0	17.4	.08	.10	.05	35	.45	.070	6.5	70.5	.37	120.8	.074	<1	.73	.026	.11	.2	.05	<5	.1	<.02	2.5	.01
MMC PAN 11	.83	14.55	2.92	24.1	45	25.0	6.1	730	1.35	2.1	1.2	26.8	3.1	22.7	.20	.17	.06	41	1.22	.369	10.0	90.1	.40	261.3	.088	<1	.65	.022	.09	.8	.03	<5	<.1	.04	2.0	.03
MMC PAN 12	.52	9.70	2.13	28.0	29	18.8	5.5	290	.99	1.9	.4	.3	2.2	10.4	.07	.10	.03	33	.32	.082	6.8	83.8	.35	208.6	.069	<1	.58	.012	.12	.3	.05	<5	.2	.02	2.0	.02
MMC PAN 13	.52	9.21	2.05	21.7	38	13.1	3.3	338	.82	.8	.6	17.9	2.2	11.6	.11	.08	.03	31	.62	.188	7.1	105.7	.22	123.9	.080	1	.52	.015	.06	.8	.02	8	.3	<.02	1.6	.01
MMC PAN 14	.48	7.80	2.50	20.4	27	13.2	4.3	317	.88	2.1	.5	1.9	2.3	15.6	.05	.10	.02	27	.52	.120	8.8	86.5	.28	114.8	.095	1	.53	.025	.07	.3	.04	<5	.3	<.02	1.7	.01
MMC PAN 15	.46	5.55	3.47	15.8	25	7.8	2.7	172	.64	1.9	.5	.3	2.6	17.3	.05	.14	.04	21	.24	.061	8.5	81.3	.14	114.2	.070	1	.41	.021	.07	<.2	.04	<5	.2	<.02	1.5	.01
MMC PAN 16	.62	7.57	2.39	22.5	33	12.8	3.2	436	.92	2.1	.6	<.2	2.9	12.2	.06	.13	.03	31	.37	.101	10.9	94.1	.20	118.1	.086	1	.55	.014	.08	.7	.06	<5	.1	.02	1.8	.01
RE MMC PAN 16	.68	7.93	2.57	22.2	40	13.3	3.4	411	.88	2.2	.7	61.3	3.1	11.6	.08	.16	.04	29	.36	.098	10.4	91.5	.19	127.3	.086	3	.52	.015	.08	.8	.04	10	.4	.02	1.8	.01
MMC PAN 17	.59	16.50	4.71	34.7	43	21.3	6.2	257	1.40	2.1	1.1	39.4	4.2	54.0	.15	.13	.06	38	.88	.196	10.3	76.9	.35	172.1	.100	2	.79	.016	.12	.3	.05	8	.5	.02	2.9	<.01
MMC PAN 18	.55	9.81	1.90	23.4	27	19.9	4.4	223	.92	1.8	.4	5.0	2.5	9.9	.07	.11	.03	33	.40	.118	8.2	84.2	.32	165.2	.075	3	.54	.011	.11	.6	.04	12	.4	.02	1.8	.01
MMC PAN 19	1.21	5.75	2.83	24.9	25	7.7	5.0	283	1.21	1.0	.8	9.2	4.3	17.3	.08	.09	.07	35	.58	.123	9.4	64.4	.33	109.6	.077	1	.70	.020	.12	1.2	.05	16	.3	<.02	2.2	.01
MMC PAN 20	.39	3.87	2.86	25.2	13	6.5	5.7	210	1.21	1.2	.3	.7	2.5	18.0	.05	.09	.03	34	.55	.080	6.0	41.4	.41	59.6	.076	3	.74	.030	.07	.5	.02	8	.2	<.02	2.3	.01
STANDARD DS2	14.70	135.86	31.85	166.8	263	37.9	13.7	868	3.19	61.4	23.6	215.9	3.6	30.1	11.33	10.46	11.49	85	.57	.083	17.7	174.8	.63	161.8	.116	3	1.86	.033	.16	7.9	2.11	273	2.7	1.92	6.4	.03

Sample type: PC PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



Copper Ridge Exploration Inc. File # 9904796 Page 1

500 525 Howe St., Vancouver BC V6C 2T6 Submitted by: Mark Field

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	S %
HC 1	.66	15.69	6.17	51.8	59 22.9	7.5	269 1.66	3.3	1.7	.9	3.4	49.8	.14	.32	.19	42 .49	.070	11.5	30.5	.51	233.1	.081	5 .96	.012	.08	.5	.06	28 .5	.04	3.2	.02					
HC 2	1.14	27.02	9.33	67.5	108 32.3	11.2	561 2.37	8.9	1.4	4.5	4.4	41.7	.25	.29	.17	62 .57	.132	14.8	47.2	.71	314.4	.110	<1 1.11	.012	.20	.4	.10	16 1.2	.07	4 1	.07					
HC 3	.84	18.36	6.22	56.8	71 24.0	8.8	536 1.93	4.5	1.2	1.0	3.3	57.7	.20	.35	.10	48 .58	.097	14.3	31.7	.52	294.3	.090	1 1.05	.013	.10	.5	.07	31 .8	.03	3.4	.02					
HC 4	.51	14.88	6.29	49.7	58 20.6	8.6	397 1.54	4.5	.8	1.7	3.2	24.1	.15	.37	.08	49 .40	.078	14.5	29.4	.47	263.4	.098	4 .96	.012	.09	.5	.07	30 .6	.03	3.1	.02					
HC 5	.85	21.80	6.58	53.8	77 23.6	8.7	356 1.90	4.4	1.1	5.3	3.3	26.5	.17	.36	.10	52 .47	.091	13.5	32.8	.54	258.6	.093	4 1.00	.013	.10	.4	.07	23 .7	.03	3.5	.01					
HC 6	.82	18.83	5.85	50.9	59 26.0	8.2	264 1.96	5.1	.9	2.4	3.4	20.6	.13	.33	.09	57 .46	.101	12.5	39.5	.54	273.4	.096	<1 1.02	.010	.09	.6	.06	24 .5	.03	3 7	.01					
HC 7	.59	15.97	5.60	51.3	49 20.7	7.8	223 1.93	5.6	.8	.6	2.8	19.8	.14	.41	.09	50 .40	.092	11.2	28.6	.47	230.2	.077	<1 .90	.011	.06	.4	.05	21 .5	.03	3.1	.01					
HC 8	.68	13.96	4.88	46.6	46 24.5	7.8	305 1.72	8.8	.7	.5	3.0	20.3	.11	.38	.07	49 .43	.103	11.1	36.7	.49	215.9	.084	1 .88	.011	.08	.4	.06	80 .4	.03	3.0	<.01					
HC 9	1.10	15.94	7.44	56.5	56 21.1	7.3	276 1.86	5.0	2.8	1.7	4.2	67.6	.12	.30	.10	44 .55	.086	15.6	30.4	.47	230.7	.081	1 .98	.012	.07	.4	.06	23 .6	.03	3 4	.01					
HC 10	.60	16.71	5.51	50.0	50 20.7	7.1	296 1.81	5.0	.7	2.2	2.9	24.7	.14	.39	.09	48 .48	.084	10.8	30.0	.50	209.8	.084	<1 .98	.013	.08	.4	.05	22 .5	.02	3 3	.01					
HC 11	.54	14.60	4.70	46.0	54 21.5	7.7	172 1.73	4.2	.8	2.4	3.2	26.3	.08	.29	.06	50 .49	.082	11.2	30.7	.60	258.8	.102	<1 1.01	.013	.14	.4	.07	20 .6	.03	3 4	.01					
HC 12	1 05	24.08	5.59	51.8	79 24.7	8.1	249 1.76	3.9	1.2	2.7	3.0	24.2	.15	.26	.08	51 .48	.110	14.1	36.0	.56	251.5	.091	2 .97	.011	.13	<.2	.08	30 .8	.03	3 6	.03					
HC 13	.87	13.12	6.95	54.1	45 13.0	7.9	370 2.05	4.6	.9	17.2	3.9	29.4	.18	.32	.10	48 .48	.079	13.3	17.8	.52	190.9	.092	<1 .96	.012	.15	.3	.07	22 .4	.02	3 2	<.01					
HC 14	.52	10.66	4.39	43.4	38 13.5	6.7	252 1.60	4.1	.9	8.9	4.3	25.8	.09	.34	.07	42 .48	.079	12.1	16.8	.44	154.4	.082	2 .79	.013	.08	.5	.05	15 .4	<.02	2 7	<.01					
HC 15	.41	15.51	4.57	48.1	48 14.1	8.2	589 2.07	4.5	.8	8.4	3.2	31.7	.14	.32	.08	45 .58	.087	12.0	19.0	.51	219.6	.096	<1 1.00	.017	.13	.4	.06	19 .5	.02	3 2	<.01					
HC 16	.71	17.94	8.27	55.2	59 23.5	8.6	343 1.94	6.7	.9	1.2	4.0	32.9	.16	.42	.11	49 .72	.097	12.0	28.8	.56	194.8	.085	1 .87	.014	.11	.4	.08	10 .5	.07	3 1	<.01					
HC 17	.80	16.39	4.31	47.8	69 14.7	8.4	328 2.22	3.4	1.3	19.7	4.9	26.1	.08	.16	.11	56 .55	.111	13.5	26.3	.67	195.7	.110	<1 1.31	.009	.33	<.2	.11	17 .4	.04	4 6	<.01					
HC 18	.84	19.31	16.03	76.5	124 27.8	9.1	388 1.88	6.9	1.3	1.9	3.2	41.3	.23	.35	.18	50 .49	.095	14.1	39.1	.54	211.1	.070	3 1.04	.009	.09	.5	.07	25 .7	.06	3 6	<.01					
HC 19	.84	11.73	4.47	42.8	35 10.9	7.6	334 1.71	3.4	.8	2.1	2.7	23.2	.12	.25	.07	42 .48	.091	8.7	15.8	.48	172.0	.089	<1 .87	.012	.12	.3	.06	19 .3	.02	2 8	<.01					
HC 20	.76	10.79	4.67	42.2	41 11.3	8.1	427 1.66	3.4	1.0	6.2	3.1	23.7	.15	.23	.07	43 .48	.091	10.4	16.0	.44	154.9	.087	<1 .87	.013	.10	.7	.05	26 .4	.02	2 9	.01					
RE HC 24	.45	8.66	3.95	37.3	30 10.2	8.1	336 1.66	4.1	.6	3.3	2.3	20.6	.11	.21	.06	38 .46	.088	7.7	16.2	.41	124.1	.069	<1 .82	.014	.07	.3	.04	30 .3	.02	2 7	<.01					
HC 21	2.05	45.08	7.81	73.8	347 48.0	11.6	463 2.94	7.8	2.9	14.4	3.6	42.7	.23	.44	.23	89 .65	.091	16.5	74.7	.87	632.1	.105	<1 1.80	.010	.27	<.2	.13	33 1.2	.09	6 6	.02					
HC 22	1.57	19.13	28.19	108.2	203 33.5	12.5	2823 2.24	15.9	1.6	2.5	3.0	62.7	.52	.57	.32	51 .53	.087	15.0	42.0	.58	259.6	.068	<1 1.16	.009	.06	.4	.09	33 1.0	.10	3 9	.02					
HC 23	1.05	12.49	5.54	55.3	55 12.3	9.4	422 2.10	4.0	1.3	.3	2.5	25.3	.18	.25	.08	47 .47	.081	9.8	16.5	.48	163.5	.086	<1 .98	.016	.12	.3	.06	35 .5	.02	3 3	.01					
HC 24	.43	8.18	4.10	39.5	32 10.5	7.8	333 1.67	3.9	.6	.7	2.4	20.8	.12	.21	.06	38 .46	.088	8.5	16.2	.41	127.4	.067	<1 .83	.012	.07	<.2	.04	25 .3	.02	2 7	.01					
HC 25	.38	11.37	4.11	38.2	41 12.1	6.3	254 1.45	2.3	.7	<.2	2.8	23.7	.09	.19	.06	39 .42	.094	10.9	18.9	.44	177.8	.098	<1 .93	.008	.16	.4	.07	21 .4	<.02	3 0	<.01					
HC 26	.84	20.52	5.74	46.2	49 19.2	4.8	203 1.54	3.5	1.0	2.8	3.2	13.0	.10	.19	.10	45 .21	.066	15.9	30.6	.43	160.7	.097	<1 .99	.007	.17	.4	.10	18 .6	.05	4 0	<.01					
MMC 1	.83	22.10	4.93	56.5	70 32.4	9.7	345 2.02	4.6	.8	.3	2.8	22.9	.16	.33	.08	57 .49	.100	11.6	47.7	.66	303.0	.102	<1 1.07	.010	.14	.4	.08	21 .7	.04	4 1	.02					
MMC 2	.53	18.56	6.61	63.0	58 22.1	10.7	486 2.24	4.2	1.0	1.3	3.8	33.4	.15	.28	.09	50 .62	.079	14.5	30.5	.66	187.4	.094	<1 1.14	.013	.14	.3	.09	29 .6	.02	4 1	.01					
MMC 3	.96	26.42	5.68	69.5	72 33.4	12.6	532 2.42	4.6	1.1	.5	3.2	30.5	.17	.33	.08	65 .56	.091	13.0	50.5	.81	354.4	.103	<1 1.25	.012	.19	.2	.10	21 .8	.04	4 6	.02					
MMC 4	1.12	26.73	5.17	66.5	70 38.0	11.6	442 2.22	5.5	1.1	.3	2.7	26.2	.20	.46	.08	61 .54	.107	12.5	53.0	.71	322.4	.096	<1 1.12	.011	.15	.6	.08	33 .9	.04	4 2	.01					
MMC 5	.75	20.26	4.96	50.9	68 27.9	10.9	656 1.90	3.8	.9	22.8	3.0	24.2	.17	.26	.07	50 .52	.122	11.5	41.2	.55	290.3	.087	<1 .95	.009	.13	.4	.07	21 .8	.04	3 4	.01					
MMC 6	1.05	15.13	4.91	58.8	56 18.7	10.1	477 2.07	3.0	1.3	.7	3.2	25.3	.14	.20	.07	51 .52	.095	11.9	28.0	.61	206.6	.094	<1 1.06	.011	.15	.3	.08	22 .5	.03	3 9	.01					
MMC 7	.50	16.33	3.77	38.1	68 23.8	6.3	234 1.31	2.7	.7	28.7	2.8	17.0	.11	.20	.06	42 .44	.124	12.2	31.0	.41	207.9	.078	<1 .80	.008	.08	1.3	.05	26 .6	.02	3 0	<.01					
MMC 8	1.03	25.96	4.75	58.6	79 35.3	10.1	370 2.00	4.7	.9	18.9	2.5	22.2	.20	.31	.07	56 .51	.116	11.8	47.6	.61	277.9	.096	<1 1.07	.009	.14	.3	.08	52 1.2	.03	4 0	.02					
STANDARD DS2	14.40	133.87	30.70	165.9	244 36.9	13.2	856 3.33	61.2	24.5	214.2	3.7	30.2	10.86	10.03	11.70	84 .56	.086	17.1	175.4	.63	149.3	.109	1 1.73	.033	.16	8.1	2.02	260 2.5	1.83	6 3	.01					

GROUP 1P5 - 5.00 GM SAMPLE, 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML, ANALYSIS BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN - 100 PPM; MO, CO, CD, SB, BI, TH, U, B - 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR - 10,000 PPM.

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

DATE RECEIVED: DEC 14 1999 DATE REPORT MAILED: Dec 24/99 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	B1 ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	S %	
MMC 9	1.51	27.36	7.92	77.5	118	26.5	12.0	489	2.28	3.5	1.8	2.5	3.6	25.7	.23	.28	.15	71	.57	.087	16.0	36.6	.68	230.9	.090	1	1.26	.010	.12	.3	.09	27	.8	.05	4	5	.02
MMC 10	1.33	14.28	5.70	55.1	71	16.7	10.4	592	2.02	2.5	1.6	6.1	3.4	26.4	.14	.20	.08	51	.52	.101	11.9	24.3	.62	214.2	.099	<1	1.12	.010	.16	.5	.09	35	.4	.02	3.8	.02	
MMC 11	.77	18.10	3.99	39.6	59	32.2	8.1	434	1.51	2.9	1.2	5.8	3.5	24.9	.14	.23	.07	47	.96	.311	11.6	41.5	.50	240.5	.074	<1	.79	.007	.11	.8	.06	10	.2	.05	2.6	.01	
MMC 12	.73	22.08	5.18	57.5	76	33.6	11.0	581	2.04	4.1	.9	2.7	3.3	23.8	.15	.27	.08	58	.49	.088	12.7	47.3	.63	393.8	.104	<1	1.18	.010	.15	.5	.09	39	.7	.03	4.1	.02	
MMC 13	.49	17.33	4.07	41.2	57	21.4	5.9	205	1.27	1.9	.7	22.6	2.6	17.1	.10	.15	.05	47	.52	.140	10.4	34.0	.43	269.9	.090	2	.88	.008	.10	.8	.07	19	.4	.04	3.2	.01	
MMC 14	.56	15.00	4.49	37.3	50	18.9	7.7	367	1.28	3.2	.8	1.2	2.6	21.6	.12	.22	.06	37	.41	.102	11.1	26.2	.36	203.8	.073	3	.83	.009	.08	.3	.07	32	.5	.02	2.8	.01	
MMC 15	.47	13.27	5.97	38.2	51	14.1	5.8	246	1.36	3.7	.9	2.6	2.9	25.9	.10	.28	.09	37	.32	.064	12.4	20.8	.31	200.7	.069	1	.92	.009	.08	<.2	.08	26	.4	.03	3.0	<.01	
MMC 16	.64	19.75	6.42	52.7	91	22.6	7.7	287	1.53	3.7	.9	1.0	2.1	19.2	.14	.32	.09	45	.32	.072	14.2	28.6	.41	261.2	.088	1	1.16	.008	.08	.6	.10	45	.8	.06	3.9	.01	
MMC 17	.59	25.24	5.34	63.1	46	29.8	9.5	218	2.05	2.5	.9	.9	3.7	26.1	.13	.18	.06	53	.57	.143	14.6	41.1	.61	276.0	.089	2	1.16	.007	.21	.2	.12	23	.4	.04	4.1	<.01	
RE MMC 17	.65	24.18	5.41	68.1	49	29.9	9.9	239	2.12	2.8	.9	1.5	3.9	26.9	.17	.18	.07	55	.59	.148	14.5	42.9	.64	277.2	.094	1	1.21	.007	.22	.3	.12	23	.4	.03	4.2	<.01	
MMC 18	.79	19.68	4.13	50.9	58	31.4	9.0	402	1.82	3.9	.7	1.9	2.9	21.1	.13	.31	.08	55	.50	.103	12.1	47.1	.56	331.6	.091	3	1.05	.010	.13	.6	.06	24	.8	.02	3.4	.01	
MMC 19	2.01	13.24	4.82	49.3	86	13.9	8.9	516	2.10	2.5	1.0	22.3	4.1	24.9	.10	.20	.09	55	.56	.107	15.3	23.8	.59	244.5	.100	1	1.15	.011	.18	1.0	.09	47	.5	.02	3.7	.01	
MMC 20	.54	11.89	4.58	50.2	45	13.6	9.1	351	1.94	2.6	.6	4.0	2.8	27.5	.08	.22	.06	50	.60	.103	10.8	24.1	.62	156.7	.095	2	1.20	.015	.08	.6	.06	43	.3	<.02	3.8	.01	
STANDARD DS2	14.51	136.14	32.61	168.7	254	38.7	13.6	841	3.20	62.6	25.3	207.9	4.1	30.3	11.38	10.28	11.60	85	.56	.088	17.5	177.8	.64	165.1	.116	5	1.86	.033	.17	8.0	2.09	259	2.6	1.91	6.4	.02	

Sample type: SS PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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**Summary of Work
Browns Creek Area
Yukon Territory, N.T.S. 116 C/2**

for

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

File Number 99-027

**John Peter Ross, Prospector
December 1999**

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99-027B

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Chapter One: INTRODUCTION

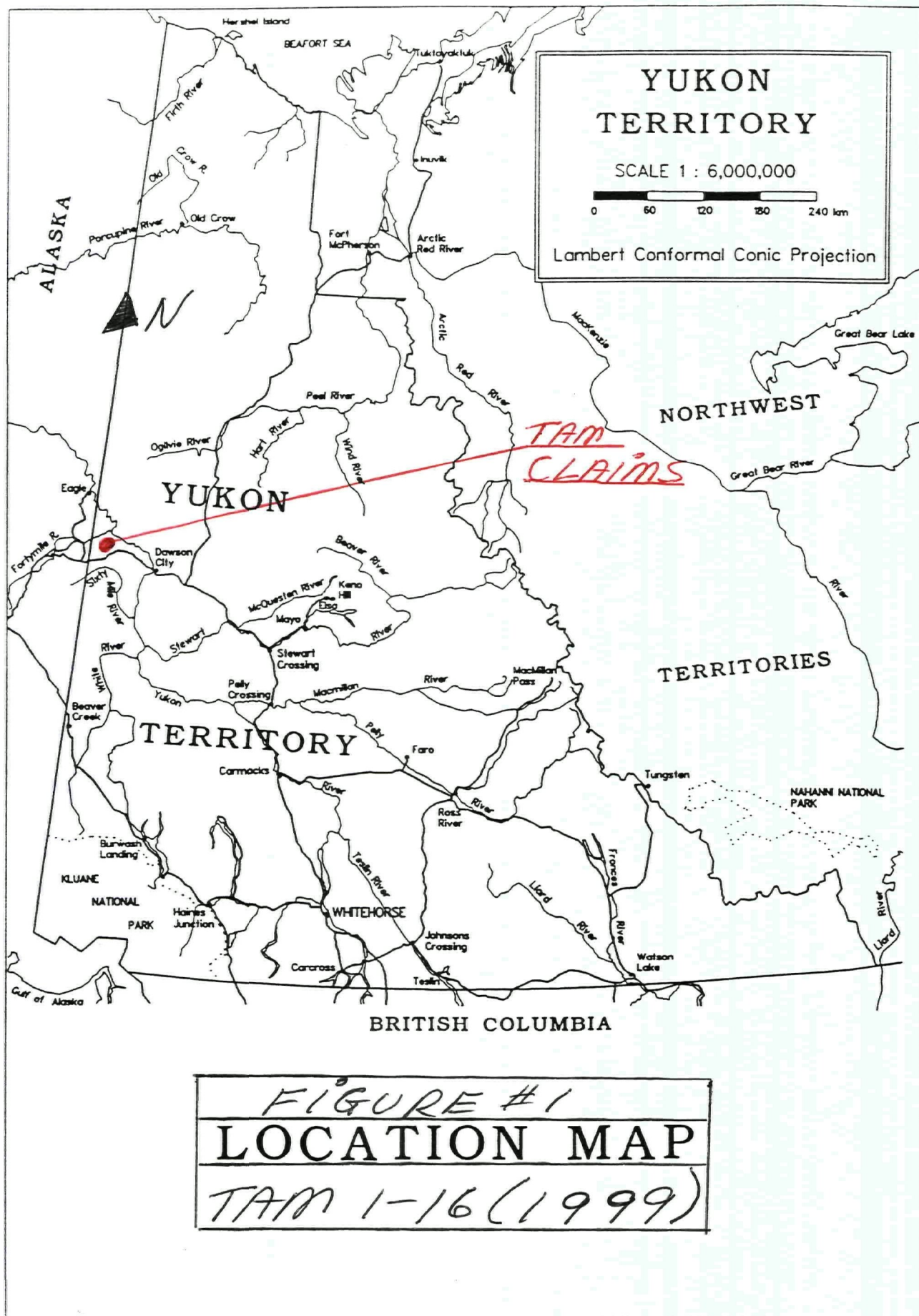
1.1 Introductory Statement

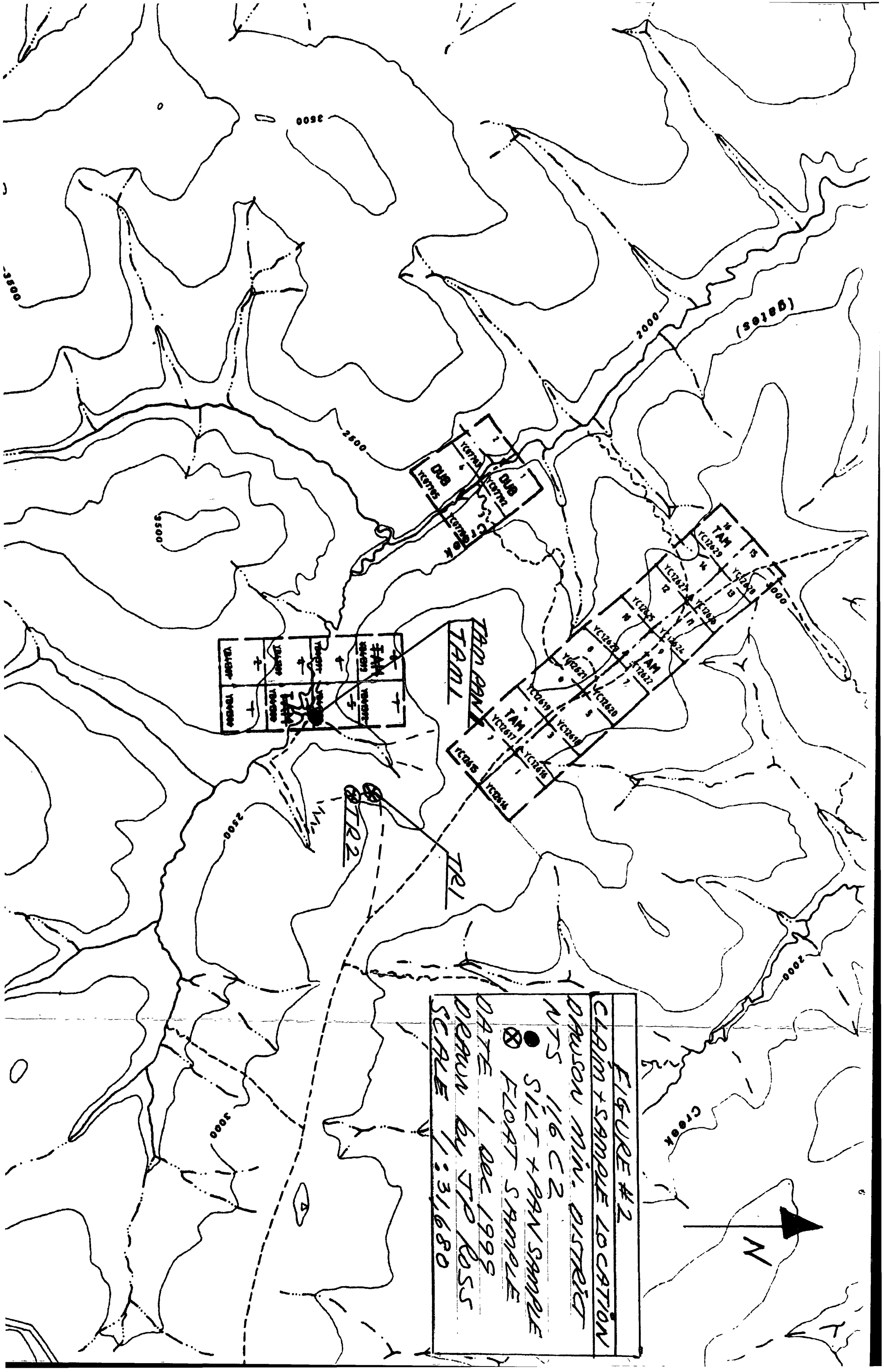
The Browns Creek (TAM claim group) area, map sheet 116 C/2, was chosen because;

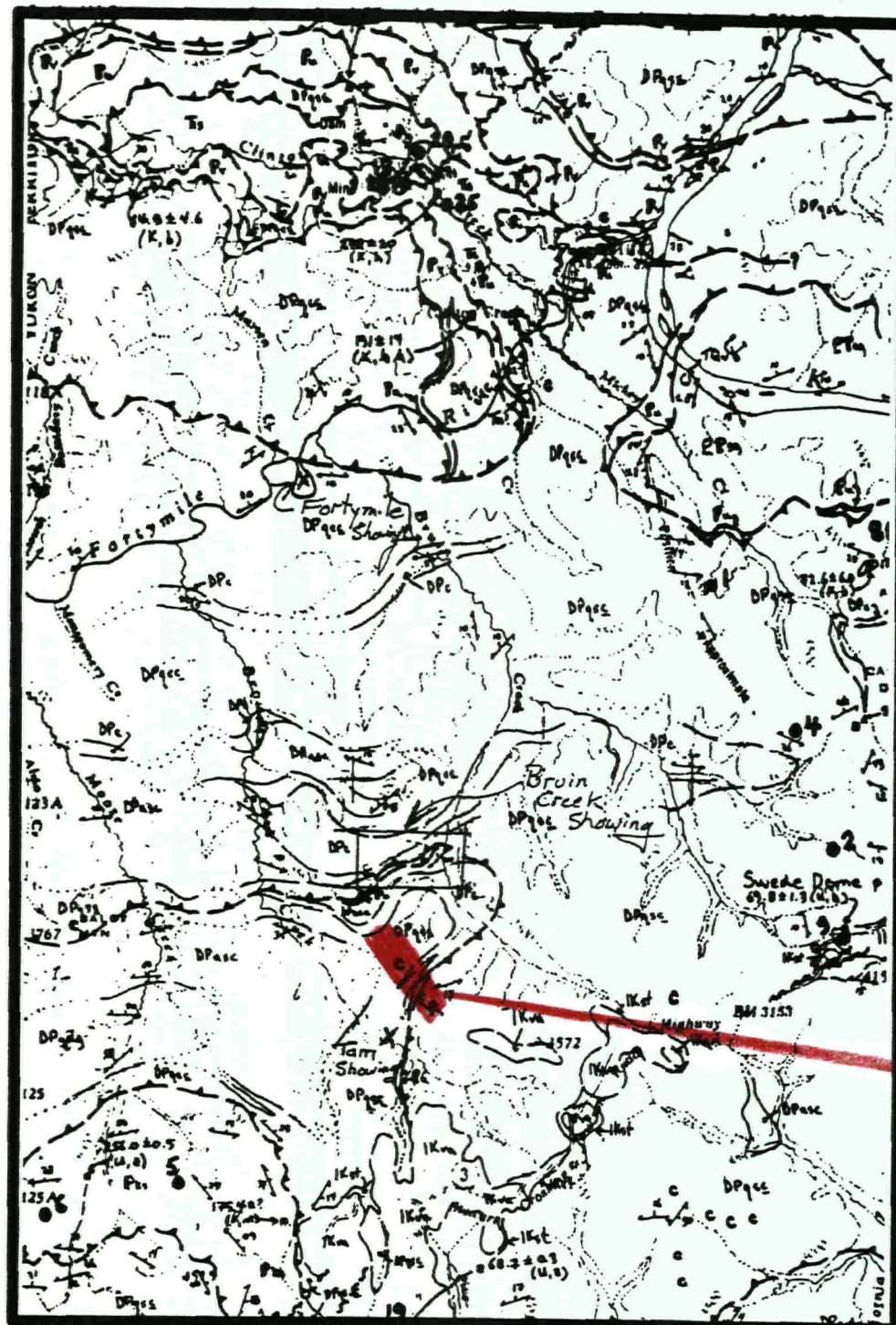
1. There is road access to the area.
2. I already have TAM 1-16 claims in the area, recorded in October 1998.
3. The area is close to another proposed 1999 YMIP project (Herbert Creek) about 3 miles to the north.
4. Placer gold deposits in the area have no known lode sources and have seen almost no "serious" exploration eg. 40 Mile River, Moose Creek, Browns and Bruin Creek.
5. Dave Downing (geologist with a lot of Yukon experience) had alerted me to the gold deposit potential of the area.
6. There are 2 known gold occurrences in this area. A 1 meter chip sample of bedrock on the TAM showing assayed 2g Au/ton and 48g Ag/ton. A float sample on the Bruin Creek showing assayed 1.8g Au/ton and 69g Ag/ton.
7. Placer gold data suggests that thrust faults are related to gold mineralization.
8. Placer gold according to Dave Downing does not occur above the TAM 1-8 claims (previously owned by Dave Downing).

1.2 Location and Access

Location is about 50 miles (80 k.) northwest of Dawson City. Access was by 2-wheel drive highway (Top of the World Highway) to a rough mining road behind a rock quarry. At times 4-wheel drive must be used to travel along the road on the ridge tops. Roads from the ridge tops down to the creeks are horrible and one must walk or use all terrain vehicles.







141 00'

from NTS 116C2 64 15' 140 20'

from:
GSC Open File 1927

Scale 1:250 000
1 cm = 2500m

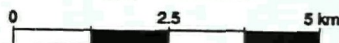


FIGURE #3
CLAIMS + GEOLOGY
DAWSON MIN DIST.
NTS 116 C2
DATE 1 DEC 1999
J P ROSS

LEGEND

Late Tertiary or Quaternary

TQbb fresh, brown weathering olivine basalt

Early Tertiary

eP felsic lapilli tuff and volcanic breccia

eT_{fp} tan to rusty weathering, unfoliated quartz-feldspar porphyry

eTd brown weathering fine-grained diabase and plagioclase-phyric basalt

eTv mafic to intermediate volcanic rocks

PEst brown weathering conglomerate, argillite, minor tuffs

Late Cretaceous

IK_m massive andesite flows, breccias and plugs

IKst quartz pebble conglomerate, sandstone, shale, minor tuffs

IK_{gd} massive unfoliated hornblende-biotite granodiorite and quartz monzonite

IK_{fp} massive unfoliated quartz-feldspar porphyry

Triassic

T_s weakly deformed, thinly bedded argillite, sandstone, argillaceous limestone

middle and upper Paleozoic

P_v massive and sheared greenstone and diabase

P_s serpentinite, serpentinitized harzburgite, carbonatized ultramafic rocks, talc-carbonate schist

Klondike Schist

P_{qm} rusty weathering quartz-muscovite schist

P_{am} quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist

P_{ks} Klondike Schist undifferentiated (includes units **P_{qm}**, **P_{am}**, also chloritic schist and minor graphitic quartz-muscovite schist)

Nasina Series

DP_c marble

DP_{am} quartz and/or feldspar augen-bearing quartz-muscovite schist

DP_{am} dark green weathering chlorite (+ biotite) schist, amphibolite and garnet amphibolite

DP_{qm} Nasina Series undifferentiated (mainly grey to black graphitic quartzite and quartz-muscovite (+ biotite) schist; locally garnetiferous)

DM_{gm} massive to strongly foliated dioritic to granodioritic gneiss

Proterozoic(?) and Paleozoic

PP_g tan to pale green to medium brown weathering quartz-muscovite-chlorite schist, micaceous fine-grained quartzite, and banded quartz-feldspar-amphibole gneiss; includes locally abundant chlorite schist, metagabbro and marble

PP_c marble

PP_{am} feldspar augen-bearing quartz-muscovite schist

— lithological contact (defined, approximate, assumed)

— thrust fault or slide (approximate, assumed)

— steep fault (defined, approximate, assumed)

— compositional layering in metamorphic rocks

— bedding (upright, tops unknown)

u altered ultramafic rock occurrences

c stretched pebble conglomerate occurrence

q quartz-feldspar porphyry dyke (unit **eT_{fp}**)

m mafic dyke (unit **eTd**)

p granitic pegmatite occurrence

• mineral or coal occurrence (numbers correspond to Table 1)

• (K, R, U; b, m, h, a, v, z) isotopic age determination (K-Ar, Rb-Sr, U-Pb; biotite, muscovite, hornblende, actinolite, whole-rock, zircon)

Chapter Two: SUMMARY

In both 1998 and 1999 I was unable to finish my program due to snow.

One silt sample, one pan concentrate sample and two float samples were taken and tested for only Au 30g fire assay, I was over budget at the end of the program

Float samples were marked by orange flagging tape; silt and pan concentrate by yellow, orange and blue flagging. The best float sample was 14 ppb Au, the best silt was 18 ppb Au, pan concentrate was 6 ppb Au.

Dates worked were September 25, 1999 - September 29, 1999.

Chapter Three: GEOCHEMICAL SURVEY

3.1 Rock Geochemistry

Two float rock samples were taken and tested for Au 30g fire assay.

3.2 Silt Geochemistry

A 20 mesh screen was placed over a plate in a Home Hardware pail and 2 soil bags of -20 mesh were collected from active stream sediments. The samples were tested for Au 30g fire assay for -80+200 mesh and for -200 mesh fractions.

3.3 Pan Concentrate Geochemistry

One Home Hardware pail was filled up and then passed through an 8 mesh screen. One pan of -8 mesh material was panned down to about 1 pound.

3.4 Soil Geochemistry

No soil samples were taken.

3.5 Interpretation

Not enough work or samples were taken to discuss the mineral potential of this area.

Chapter Four: PROSPECTING

All 16 TAM claims were allowed to lapse as no data was available to justify keeping them.

In future I will come back to this area during the summer months. A program of many silts and pan concentrates could pin point areas worthy of further investigation. Testing for Au 30g fire assay and 30 element ICP (low detection levels for Au indication).

As hills are long and steep and the roads are bad, one should use an all-terrain vehicle and saw (there are lots of fallen trees over the road).

I have not given up on this area but other areas have higher priority now!

APPENDIX 1

References

Geophysical paper/map, 4269, Sixty Mile River, 116 C/2.

Open File, 2365. Geochemical silt survey. NTS 116 B, 116 C (E½).

Personal Communication

Robert Young, gold placer miner on Moose Creek

Dave Downing, Yukon geologist

John Kowalchuk, Nu-Lite, Kenrich Resources, Vancouver, BC.

Ken Galambos, YMIP geologist, Yukon Geology Program

Yukon Placer Industry Report - 1978-1982, 1983-1984, 1985-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1997.

Assessment Report 093128. TAM 1-8 Claims Dave Downing, 1993.

YMIP #91-022. Bruin Creek Project, Kevin Chesney.

YMIP #93-126. Top of the World Project, Dave Downing.

Open File, 1927. Geology of the Southwest Dawson Map Area, Jim Mortensen, 1988.

(4A)

DATA ON PLACER GOLD in AREA (MOOSE CREEK, BRUIN CR, BROWNS CR)

① YUKON PLACER INDUSTRY 78-82

① MOOSE CR. J. MALFAIR
(64°09'N 140°55'W) 81-82
3 people mined. GOLD FINENESS = 855.

② YUK. PL. IND. ~~83~~ 83-84

X NO DATA X

③ YUK PL. IND. 85-88

X NO DATA X

④ YUK. PL. IND. 89-90

① MOOSE CR. Ron McMillan
(64°12'N 140°54'W) 89-90

2 people mined, 3' mud, gravel 10-12'.
Bottom 6' gravel + 1' bedrock mined.

② MOOSE CR. Robert Young
(64°11'N, 140°54'W) 89-90

2 people mined. gravel 10'. Slurried
all gravels + 4' of bedrock. Gold
was coarse + flattened with a few
nuggets and quartz attached. Fineness
= 840.

③ BROWNS CR WALTER LARGENT

(4B)

(64°11'N, 140°46'W) 88-89
2 people mined. overburden = 4'-6'
gravels 8-10'. Sluiced bottom 4' and
1' of bedrock. Gold mostly fine grained
from 14-20 mesh, few small nuggets
with no quartz attached. Fineness 800

(D) BROWNS CR. BERNARD GAGNON
(64°13'N, 140°49'W) 89-90

3 people mined. overburden = 2-3'
gravel = 6-8'. Sluiced all gravels and
2' of bedrock. Gold was mostly fine
grained but some coarse gold (chunky
with a few small nuggets)

(E) BRUIN CR. DANIEL LEE
(64°14'N, 140°41'W) 89-90

2 people mined. gravel = 4'. All
gravel + 6" of bedrock were sluiced.
Gold mostly fine + fineness = 800.

(5) YUK. PL. IND.
91-92

(A) MOOSE CR. RON McMillan
(64°12'N, 140°54'W) 91-92

3 people mined. overburden = 6', 5-6'
gravels. All gravel + 2' of bedrock was
sluiced. Mostly fine gold with a few
rough small nuggets with quartz attached.
Fineness estimated = 850.

(B) MOOSE CR. ROBERT YOUNG
(64°11'N, 140°54'W) 91-92

2 people mined. All gravel (4'-10') and

(4C)

up to 4' of bedrock were sluiced. Gold was coarse and flat with a few small nuggets - some with quartz attached. Fineness was 840.

(C) BRN'N CR. BERNARD GAGNON
(64°15'N, 140°40'W) 92

4 people mined. organics 2-3'. all 4-5' of gravel + 1' of bedrock were sluiced. Gold - a mixture of sizes and shapes were recovered but most was fine powder - ~~fine~~ Fineness was 800.

(D) BROWN'S CR. C. NEUSER
(64°20'N, 140°52'W) 92

2 people mined. overburden was 5'. Gravel 5' ~~and~~ (up to 6" diameter) and decomposed bedrock. Gold mostly flat grains with no nuggets and no flour gold.

(E) YUK. PL. IND.

93-94

(A) BROWN'S CR. C. NEUSER
(64°20'N, 140°52'W) 93

2 people mined. 4-6' gravel (all) and 2' of decomposed bedrock sluiced. Fine gold was recovered with no nuggets. Fineness was 800.

(B) Moose Cr. Ron McMillan
(64°12'N, 140°54'W) 93-94

2 people mined. all gravel (up to 8') and 2' of decomposed bedrock were sluiced. Coarse gold and small

(40)

nuggets with quartz were recovered.
800 fineness.

(C) MOOSE CR. ROBERT YOUNG
(64°11'N, 140°59'W) 93-94
3 people mined. Bottom 5' of 6'-10' of
gravels + 3'-4' of decomposed bedrock
were sluiced. Boulders up to 5' in diameter
were found. Gold-nuggets with quartz
and large, flat-round flakes were
recovered. Very few fines. Fineness 840-850
~~82-94~~

(F) YUK. PL. IND.
95-97

(A) MOOSE CR. Ron McMillan
(64°12'N, 140°54'W) 95-97
2 people mined. Decomposed bedrock was
tipped to depth of 2'. Coarse gold and
small nuggets with quartz attached were
recovered. Fineness was 850.

(B) MOOSE CR. Robert Young
(64°11'N, 140°54'W) 95-97
2 people mined. 8-10' gravels + large
boulders. Organic overburden up to 12'.
Most gold was coarse and some nuggets
had quartz attached. Fineness 845.

(C) MOOSE CR. Daniel Jones
(64°08'N, 140°55'W) 95-97
2 men in 95, 1 man in 96/97. Organics 1'-3'
gravels = 4-8'. Bedrock was clay + shale.
Gold was mostly coarse, less than 10%
-60 mesh.

⑧

AE

ENGINEERING REPORT on PANI-6
Placer claim
assessment Report 092487
1987 G. KRUECKL
for ABAC Resources Ltd.

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
1997 - Geochemical Exploration in Tropical Environments, MDRU
1998 - Metallogeny of Volcanic Arcs, Cordilleran Roundup Short Course
1999 - Volcanic Massive Sulphide Deposits, Cordilleran Roundup Short Course
1999 - Pluton-Related (Thermal Aureole) Gold, Yukon Geoscience Forum
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 - 1999
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

29 November 1999
John Peter Ross

APPENDIX 3

Rock Geochemistry - Assay Results

27/10/99

Certificate of Analysis

of pages (not including this page) 1

Peter Ross

WO# 00033

Certified by 
Justin Lemphers (Senior Assayer)

Date Received: 19/10/99

SAMPLE PREPARATION:

Code	# of Samples	Type	Preparation Description (All wet samples are dried first.)
r	2	rock	Crush to -10 mesh; riffle split 200g; pulverize to -100 mesh

ANALYTICAL METHODS SUMMARY:

Symbol	Units	Element	Method (A:assay) (G:geochem)	Fusion/Digestion	Lower Limit	Upper Limit
Au 30g	ppb	Gold	G: FA/AAS	30g FA / aqua regia	5	7000

AAS = atomic absorption spectrophotometry

FA = fire assay

1000ppb = 1ppm = 1g/mt = 0.0001% = 0.029166oz/ton

27/10/99

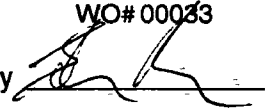
Certificate of Analysis

Page 1

Peter Ross

WO# 00033

Certified by



	Sample #	Au 30g ppb
r	TR1	6
r	TR2	14

APPENDIX 4

Rock Sample Descriptions

<u>Sample Number</u>	<u>Description</u>
TR1	Brecciated volcanic rock
TR2	Brecciated volcanic rock

APPENDIX 5

Silt Sample Geochemistry - Assay Results

27/10/99

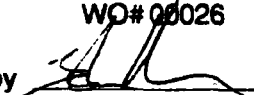
Certificate of Analysis

Page 1

Peter Ross

WO# 00026

Certified by



Sample #		Au ppb
ss		
s	TAM1 -200	18
s	TAM1 -80 +200	11

APPENDIX 6

Pan Concentrate Geochemistry - Assay Results

27/10/99

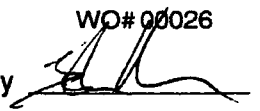
Certificate of Analysis

Page 1

Peter Ross

WO# 00026

Certified by



	Sample #	Au ppb
ss s s	TAM PAN I	6

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BOX 4842

WHITEHORSE

YUKON TERR

CANADA Y1A 4N8

phone 867-633-5101



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CELL./CELL./CEL.:

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SI ENCUENTRA ESTE LIBRO, POR FAVOR CONTACTAR LA PERSONA MENCIONADA ARRIBA.

8 JUNE
98

Left White Horse.

mileage = 211,247

Arrived Dawson City

mileage = 214,883 (gas up June 10)

29

JUNE 99

Left DL - 354 km 12³⁰ PM

now at Maisiey - 506

5³⁰ PM

may - saddle

or so

Saddle is silt/sand. Enormous
burn area. some good rocks in saddle.

Hans out here to stake 110 claim or
so.

Tooth is a problem - must be
pulled soon.

Took 12 rock samples around
camp area. Lot of muscovite in rocks.

R1 - R12.

larm line = 340°
mag decl. = 29°

30
JUNE 99

Hans check
out line to EPST

+ TEN REFUGEE
met 3 Russians
at R16 - one ex
planned
from FE Russia
- antenatorontis

R18
R19
R20
R21 at
camp

cast working
or testing

granidiorite

outcrops

$$\begin{array}{r} \times \\ \times \\ \times 128 \end{array} \quad \begin{array}{r} \boxed{485} \\ 0 \end{array}$$

= schief

288-308
load

Hans
2.17 at
tenderfoot
camp

may
raise

138 yard from
Powers

large 1 1/2
2 1/2' x 2'
x 6-8"

12¹⁵ pm to 12¹⁵ am
 long day
 lot of burns

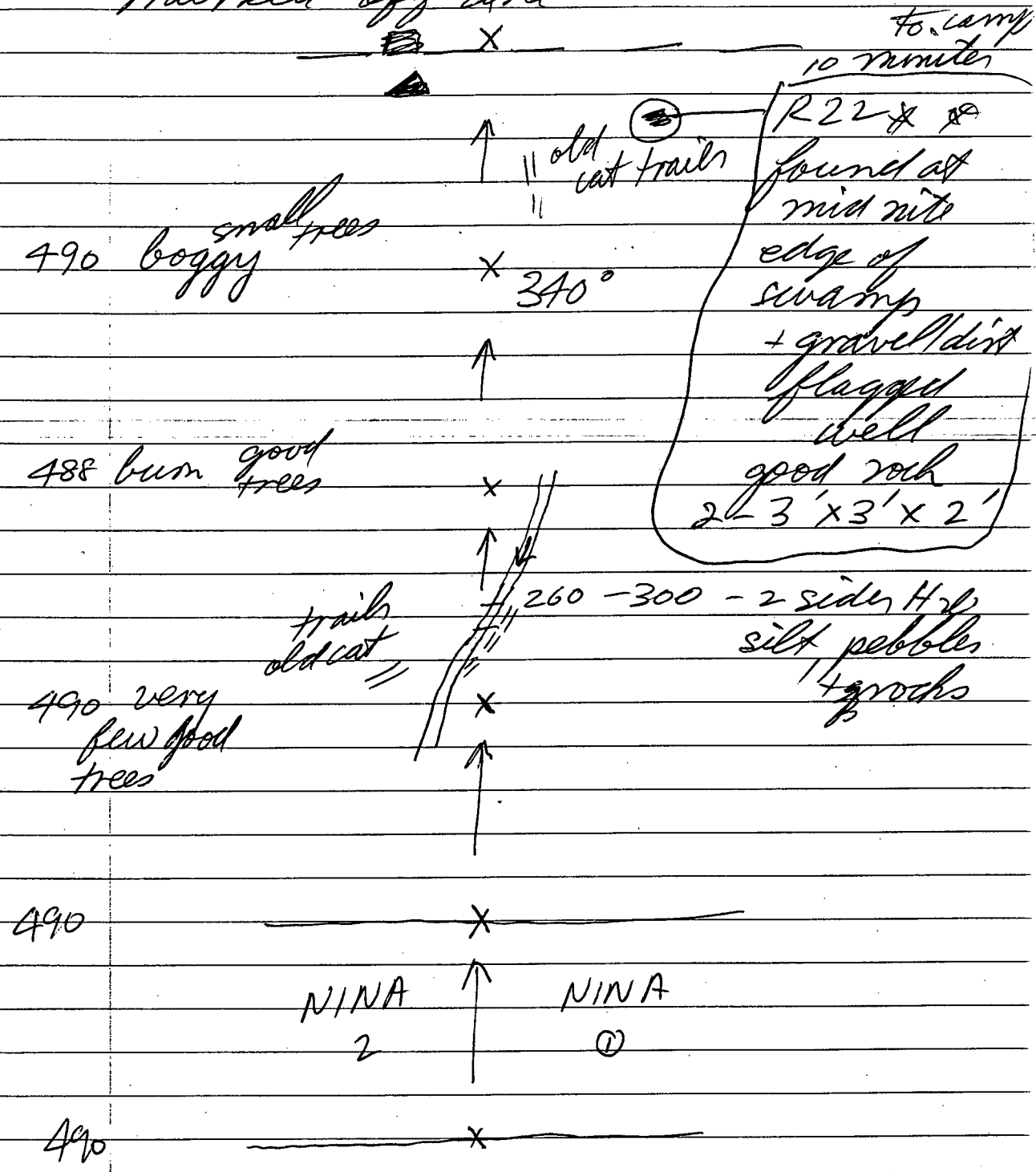
wd, 01 550 JP 6661 1999 1 JULY 7,0 7,005 N ④ NINA 1'0N	wd, 01 550 JP 6661 1999 1 JULY 7,0 7,005 N ③ NINA 1'0N
NO. 2 NINA ② 1 JULY 1999 JP ROSS 10 ⁰⁰ PM	NO. 2 NINA ① 1 JULY 1999 JP ROSS 10 ⁰⁰ PM

wd, 1 550 JP 6661 1999 1 JULY 7,0 7,005 N ② NINA NO. 1	wd, 1 550 JP 6661 1999 1 JULY 7,0 7,005 N ① NINA NO. 1
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3 plots

Hand 13-20 NINA
 1 JULY 99

marked off line



1 July 2 July

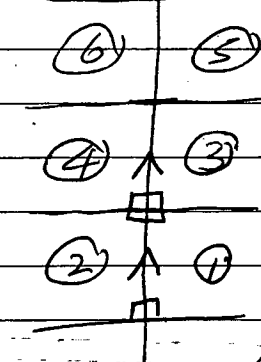
Hans →

19 ↑ 20	27 ↑ 28
17 ↑ 18	25 ↑ 26
15 ↑ 16	23 ↑ 24
13 ↑ 14	21 ↑ 22
▲	
8 ↑ 7	
6 ↑ 5	
4 ↑ 3	
2 ↑ 1	

2 JULY 99

worked
3-11
too hot
in midday

wd 01 10:00 PM	wd 01 10:00 PM
ROSS	ROSS
JP	JP
6661	6661
2 JULY	2 JULY
7:0	7:0
1500' L	1500' L
N	N
⑧	⑦
NINA	NINA
1'0N	1'0N
NO.2	NO.2
NINA	NINA
⑥	⑤
2 JULY	2 JULY
1999	1999
JP	JP
ROSS	ROSS
9 ⁴⁵ PM	9 ⁴⁵ PM



wd 15 7:15 PM	wd 15 7:15 PM
ROSS	ROSS
JP	JP
6661	6661
2 JULY	2 JULY
7:0	7:0
1500' L	1500' L
N	N
⑨	⑤
NINA	NINA
1'0N	1'0N
NO.2	NO.2
NINA	NINA
④	③
2 JULY	2 JULY
1999	1999
JP	JP
ROSS	ROSS
7 ⁰⁰ PM	7 ⁰⁰ PM

W 340°
photos

Hans

19	20	27	28
17	18	25	26
15	16	23	24
13	14	21	22
10	9		
8	7		
6	5		
4	3		
2	1		

JP

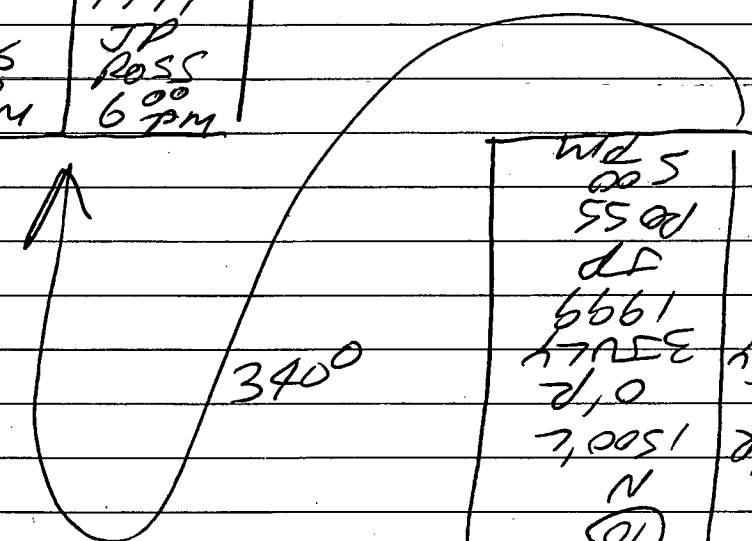
camera not
working
so now glad I
have my
\$19.00 throwaway
camera

JULY 99

Had to carry down - 4 posts
- lot of swamp - but 1/2 - OK to walk.
No trees of any size.

NO. 2	NO. 2
NINA	NINA
(10)	(9)
3 JULY	3 JULY
1999	1999
JP	JP
ROSS	ROSS
6:00 PM	6:00 PM

looked around camp
10 feet past road (North)
near camp



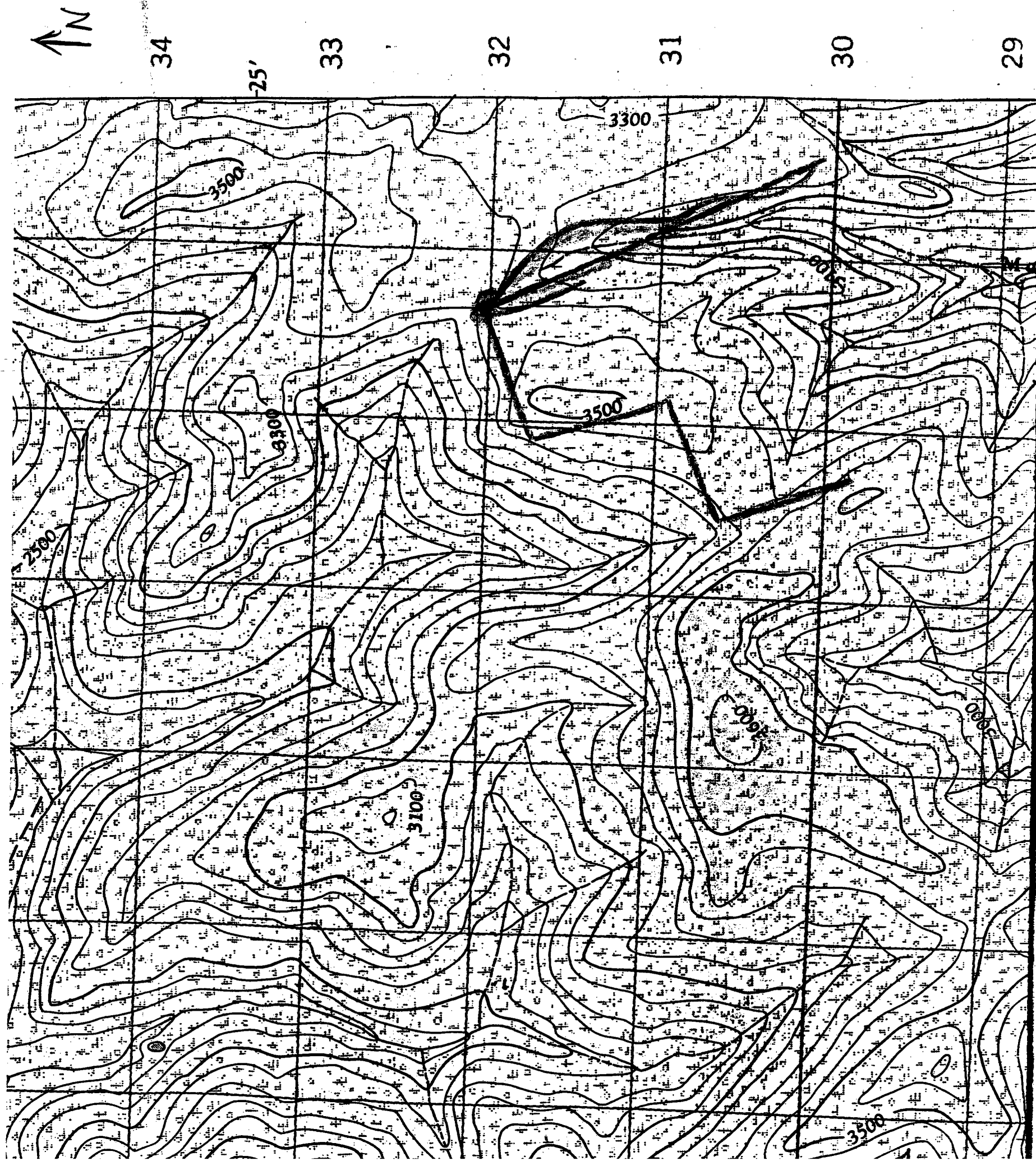
NO. 2	NO. 2
NINA	NINA
(8)	(7)
3 JULY	3 JULY
1999	1999
JP	JP
ROSS	ROSS
4:45 PM	4:45 PM

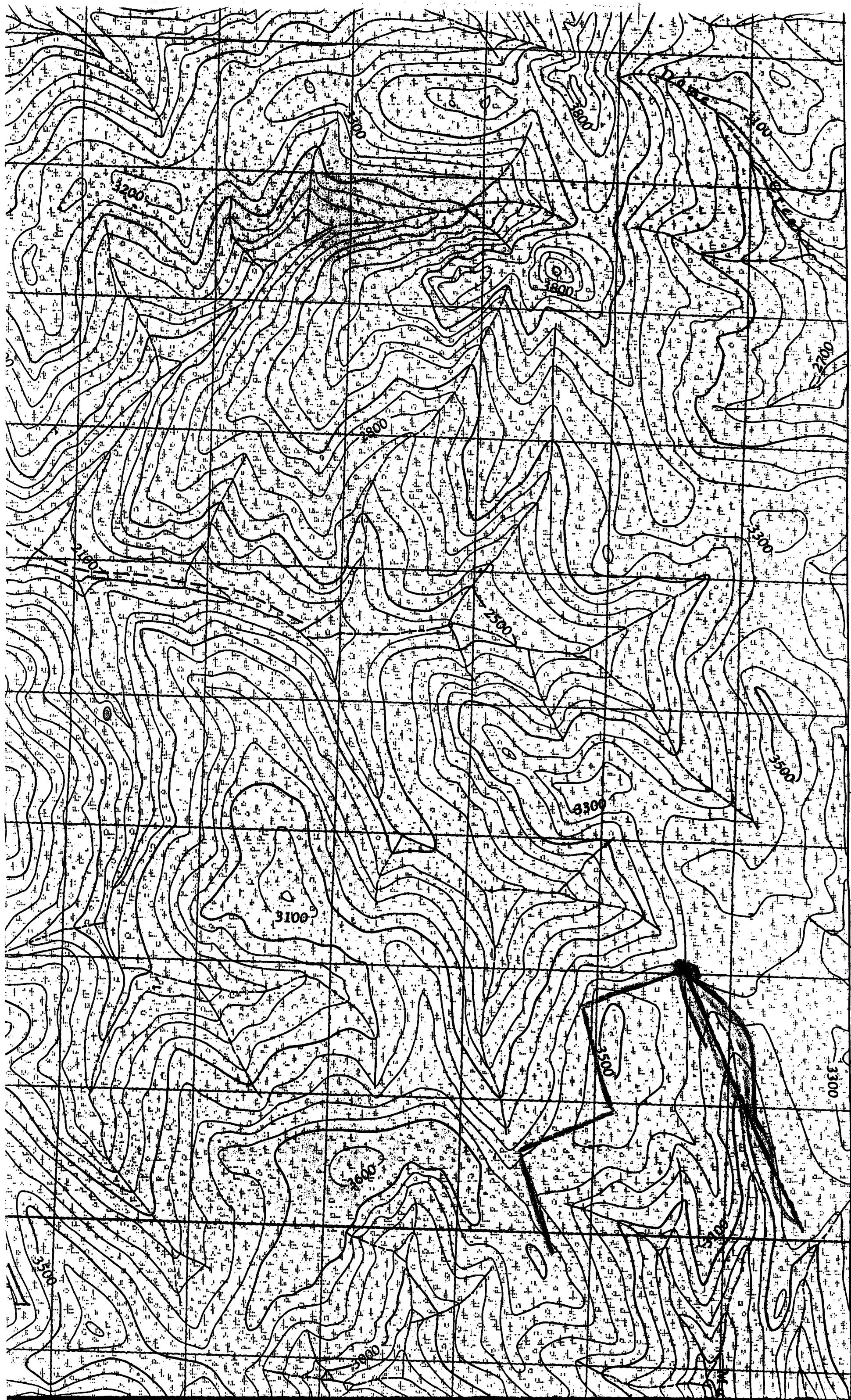
30 JUNE 99

1 July 99

2 JULY 99

3 JULY 99





39

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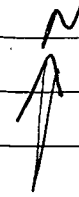
30

29



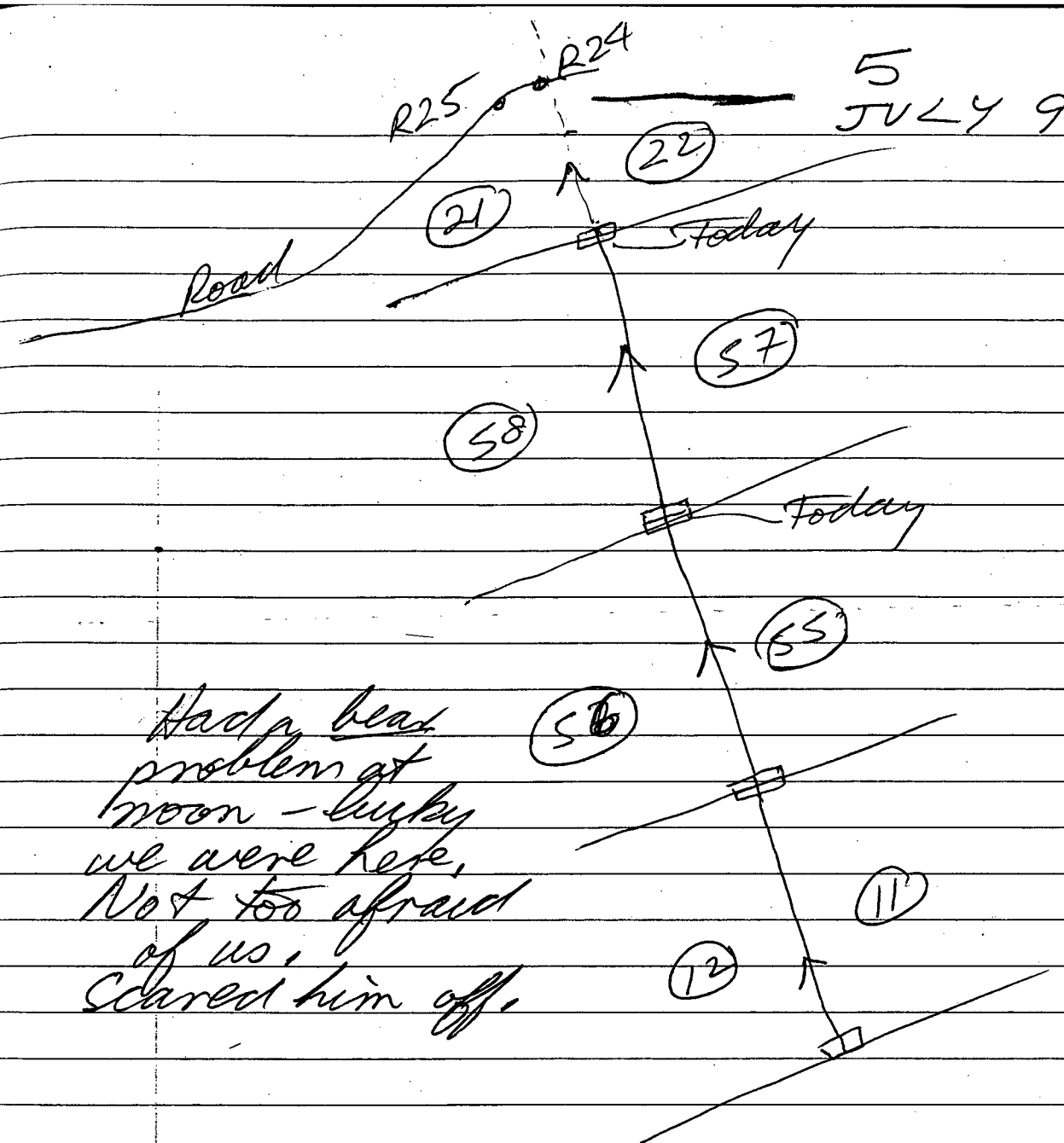
25'

Haws - got water
 - no damage
 - leg little sore
 - camp day



		NO. 2	NO. 2
		NINA	NINA
		(58)	(57)
		5 JULY	5 JULY
		1999	1999
		JP	JP
		ROSS	ROSS
		10 ⁰⁰ PM	10 ⁰⁰ PM
wd 8	wd 8		
5501	5501		
LC	LC		
6661	6661		
5705	5705		
7, 0	7, 0		
7, 051	7, 051		
N	N		
(58)	(57)		
NINA	NINA		
1'0N	1'0N		
NO. 2	NO. 2		
NINA	NINA		
(56)	(55)		
5 JULY	5 JULY		
1999	1999		
JP	JP		
ROSS	ROSS		
7 ⁴⁵ PM	7 ⁴⁵ PM		

5 JULY 99



Had a bear
 problem at
 noon - lucky
 we were here.
 Not too afraid
 of us.
 Scared him off.

NO. 1	NO. 1
NINA	NINA
(60)	(59)
S	S
1500'R	1500'L
0'L	0'R
6 JULY	6 JULY
1999	1999
JP	JP
ROSS	ROSS
6 ⁰⁰ PM	6 ⁰⁰ PM

160°

WET	WET
SSOY	SSOY
DL	DL
6661	6661
57059	57059
(69)	(65)
NINA	NINA
NO. 2	NO. 2

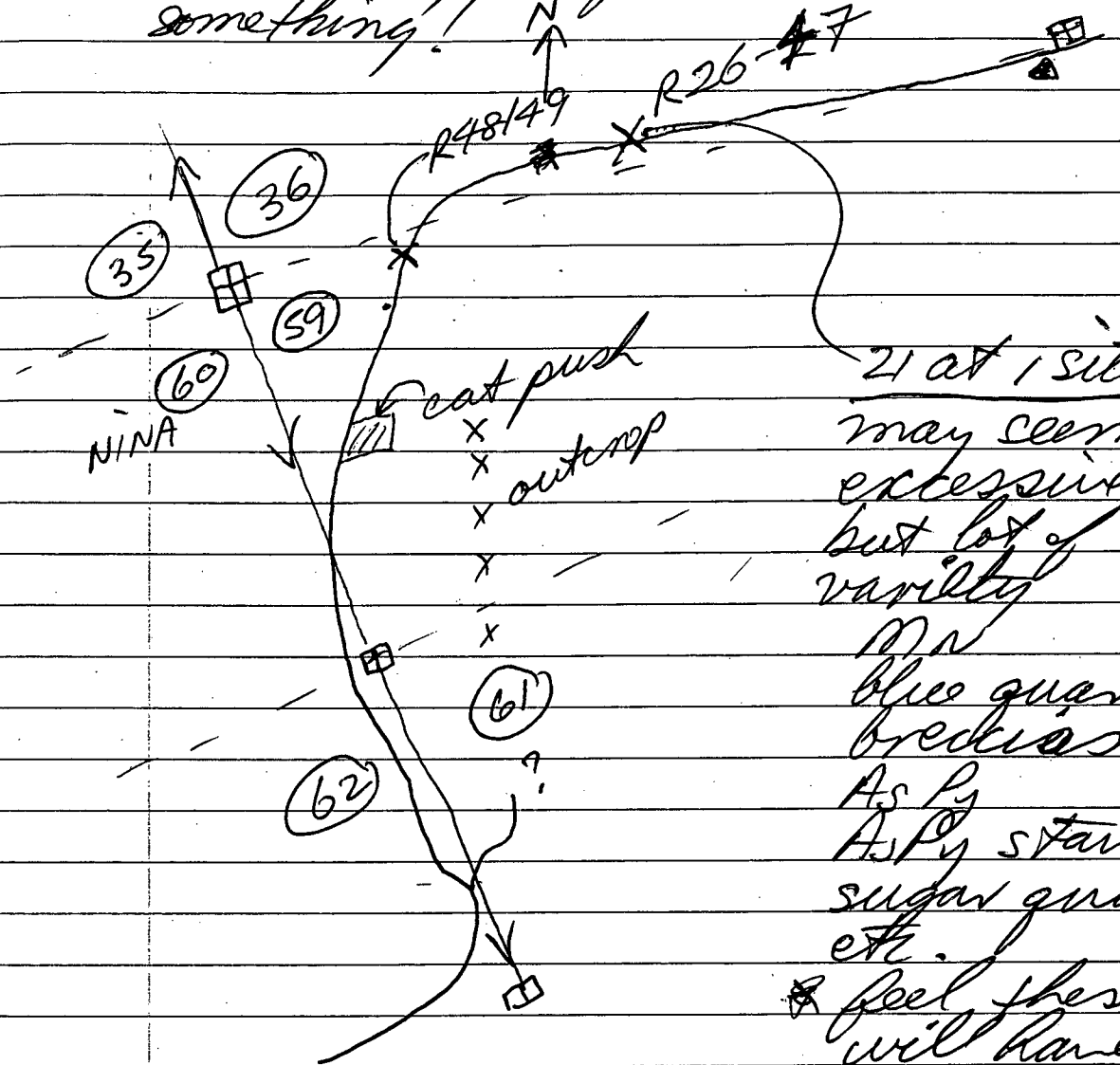
NO. 1	NO. 1
NINA	NINA
(62)	(61)
S	S
1500'R	1500'L
0'L	0'R
6 JULY	6 JULY
1999	1999
JP	JP
ROSS	ROSS
7 ⁴⁵ PM	7 ⁴⁵ PM

WET	WET
SSOY	SSOY
DL	DL
6661	6661
57059	57059
(62)	(61)
NINA	NINA
NO. 2	NO. 2

6

JULY 99

Sore back but felt I had to do something!



21 at 1 site
may seem
excessive
but lot of
variety

Min
blue quartz
breccias
As Py
As Py stain
sugar quartz
etc.
* feel these
will have
Au / Ag

met 2 Dawson men
out to check out placer
John Cram's claims on
Tender foot so showed
them my aerials & gave
directions

NO.1	NO.1
NINA	NINA
(64)	(63)
S	S
1500'R	1500'L
0'L	0'R
7 JULY	7 JULY
1999	1999
JP	JP
Ross	Ross
4 ⁰⁰ PM	4 ⁰⁰ PM

↓ 160°

Wd S	Wd S
SSOY	SSOY
dc	dc
6661	6661
5705T	5705T
(64)	(63)
NINA	NINA
NO.2	NO.2

NO.1	NO.1
NINA	NINA
(66)	(65)
S	S
1500'R	1500'L
0'L	0'R
7 JULY	7 JULY
1999	1999
JP	JP
Ross	Ross
6 ⁰⁰ PM	6 ⁰⁰ PM

Wd S	Wd S
SSOY	SSOY
dc	dc
6661	6661
5705T	5705T
(99)	(59)
NINA	NINA
NO.2	NO.2

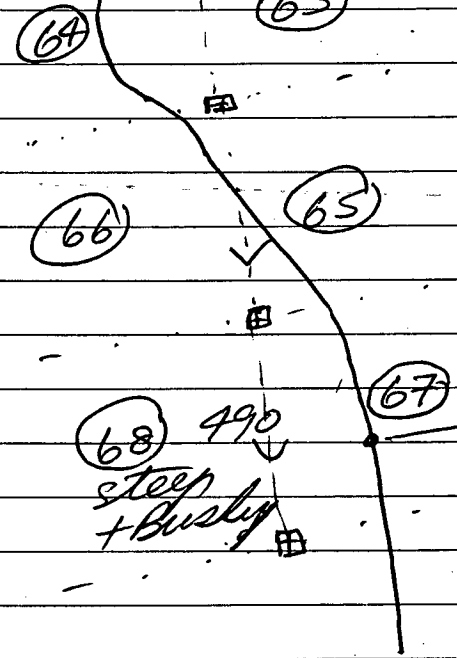
NO.1	NO.1
NINA	NINA
(68)	(67)
S	S
1500'R	1500'L
0'L	0'R
7 JULY	7 JULY
1999	1999
JP	JP
Ross	Ross
8 ⁰⁰ PM	8 ⁰⁰ PM

490 steep + brush
160°

Wd S	Wd S
SSOY	SSOY
dc	dc
6661	6661
5705T	5705T
(68)	(67)
NINA	NINA
NO.2	NO.2

7 JULY 99

R50 - found bull
quartz piece,
when making drive
mound for ~~bull~~
post



R51 - 3 pieces
by road

Bear damage
Hans tent

my back seems
better
tooth now acting
up - should be
pulled soon

- 1" tear
- broken pole
- could be worse

R-52 = grab bag
at Truck camp

R-53 = grab bag
at Hunter camp
at Tenderfoot
camp cut off.

= some out of fire stone
wall
= lot just near by
= where I dropped
Hans off
at 6⁰⁰ pm

8

JULY 99

Hans + I drove down
to X. He left his truck ^{+ gear} there.

I drove him back to →.

Then he left at about 6⁰⁰ pm
on staking job + end up at X.
1st 6 claims = done - access by
ridge + moose trail. Last 6 =
down hill + good walk to
→ + truck + gear + new camp.

Then 6 claims tomorrow + out.

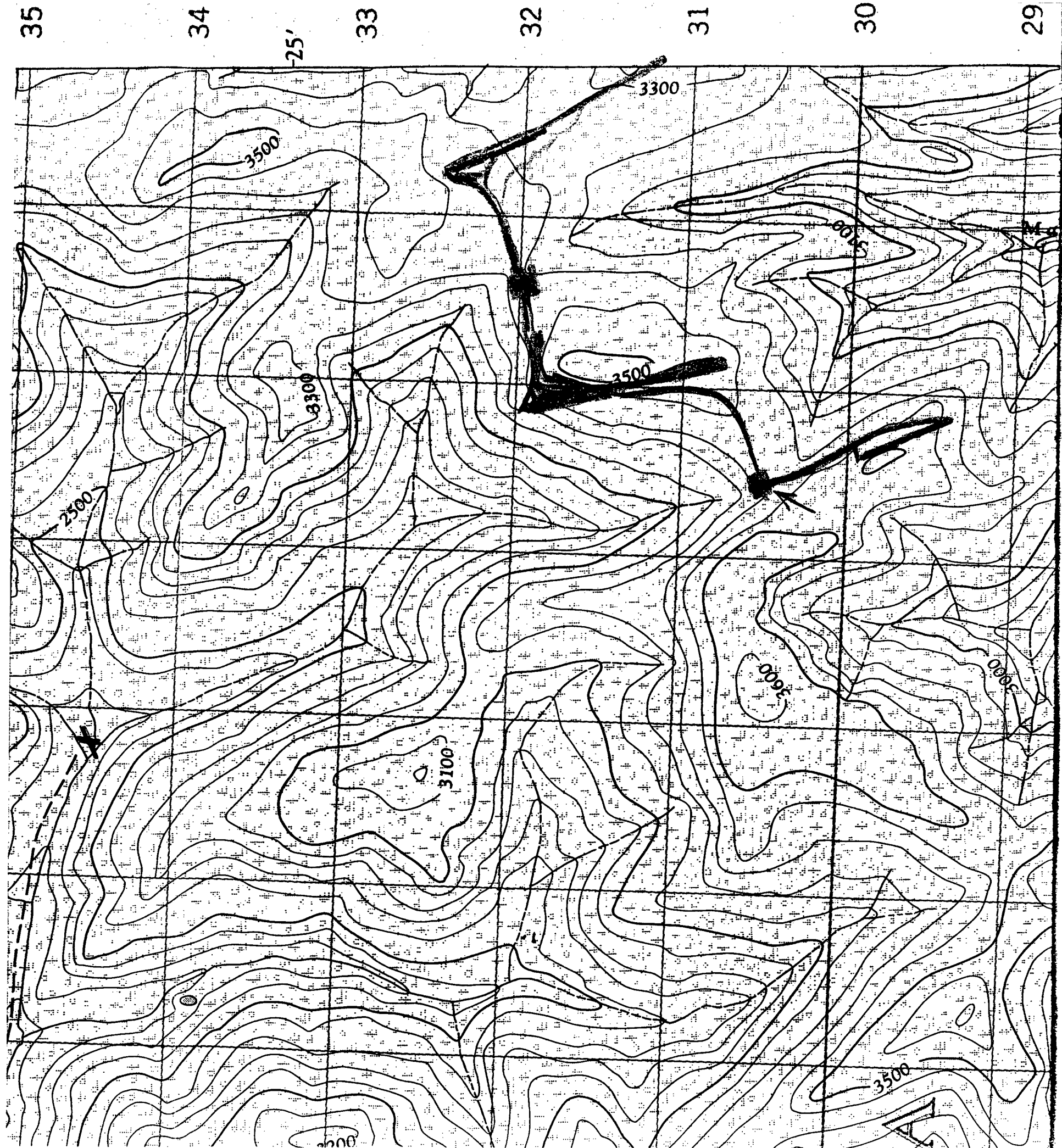
I left for it at about 6⁰⁰
Some road alteration area is
large in claim groups!

5 JULY 99

6 JULY 99

7 JULY 99

8 JULY 99



Had to call up Van. company
+ no one was there. I should
have stayed out for 1 more
day!!!!!!

9
JULY 99

Got back to Ol at
about 2-3⁰⁰ am - Ran out of
(not really, but before I did)
gas = stop for gas + had to
listen to talkative miner on
Sulphur for 2-3 hr + tea.
He had worked at UKH M in
past - a nice guy.

In Ol about ~~7725~~
212,725 Km.

13

JULY 99

Staked claims (Recorded them)

Paid Hans. Left / WH

In white horse = 213,426

- 212,725

DL → WH = 601

DL → maisy may → DL

354 - 506 = 154

drive around 100 } = 404

8 June WH → DL = 636

trip to Maisey
may

16 4 1

On last 2 claims Hans was
(charged - no contact)
attacked by a large black bear
twice - used up 1 spray can (large).
I made him fake one. Moneywell
spent!

14

AUG 1999

Left today so as to see Sarge
at Klondike River Lodge at 8^{PM}
+ discuss ET claims. Got there
at 7^{PM} Sarge had left at 6 with
boss to go to ? I waited until
10⁰⁰.

What a bunch of Flaming
Perriers!

Now wasted 3 days.

214,323 Km in WHITEHORSE

17

AUG 1999

Now in DC to get TABS/CL
NINA - they don't have them.
Not my week.

The Russians just below my
claim have a new gold placer
zone. Est. = 6000+ ounces. It
makes me look at area now in a
different way. Should state some
more claims + they want to state
some HR claims as well.

They found some quartz with
gold on edge - 3 out of 3 pits!

N.B. It seems now place an
off INTRUSION at golden gate

+ prob. place an ^{MOST NORTHERN} off other
one. I should be staked (places)

Gravel in side gulches = not
as deep as main creek??

Inspector - good road in between
2 Hend. Cr N + S
- dives to N = quite
steep

Get white may open up
N. Hend. - so a newer road
to area

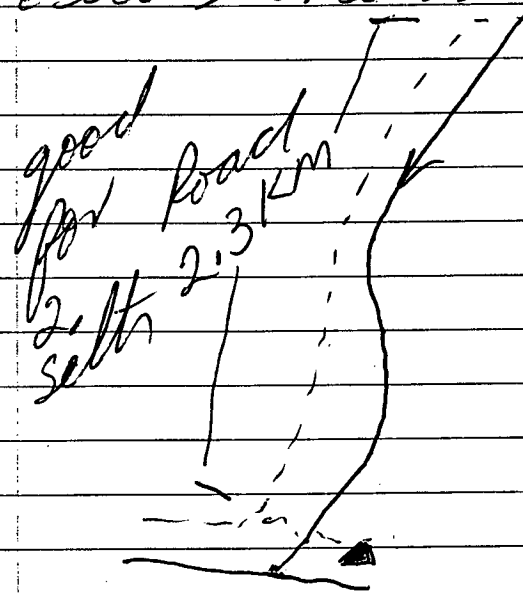
also some guy, ^{VINCENT} Michel, is
building a road to upper Moosehorn
Cr.

18

AUG ~~30~~ 1999

Now out to site. My
brakes are squeeling now + then -
so I don't plan to do any extra
driving now.

New Zealanders at camp
below Golden Gate Cr. - it was
mined up 1 or 2 km. Nice people.
A choppy road up the 4000 oz
(3000') creek. ^{stream} here = gully
x stream



11
11

stream (X) HC1 - valley is
all bog
- has road
contaminated
sample?
- some one has pushed
bench gravel over
valley / road
stream is in bog
at X = 1" water
= 1" of mud
= then gravel + roots
→ below + sand
= BEST I could do!
NOT mined here

19
AUG. ~~1999~~ 1999

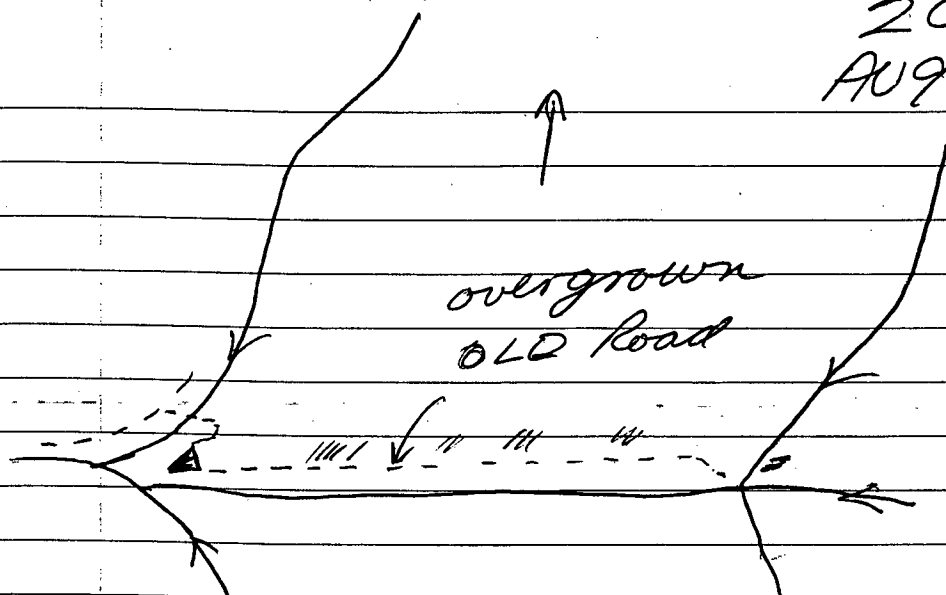
N

HC1, HC PAN 1

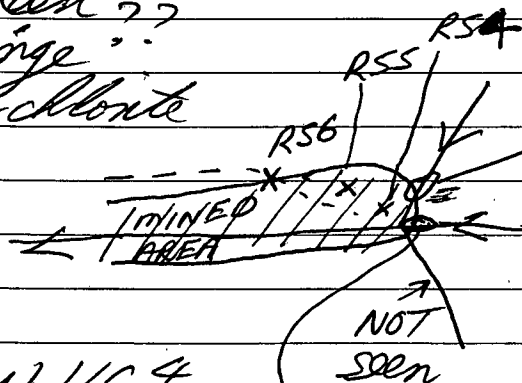
HC2, HC PAN 2

HC2 - 9' stream
then + rocks
→ 8' stream
+ smaller
rocks + slow
er water
→ = HC2
= above =
odd bedrock
exposure
with moss
= below ⁱⁿ mined
area = about
2000-3000'

20
AUG 1999



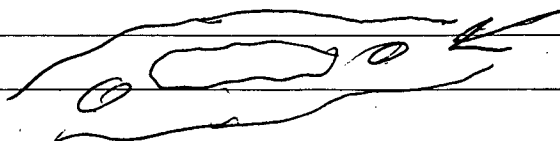
R55 / green ??
R56 / 'tinge' ..
? Aspy or clonite

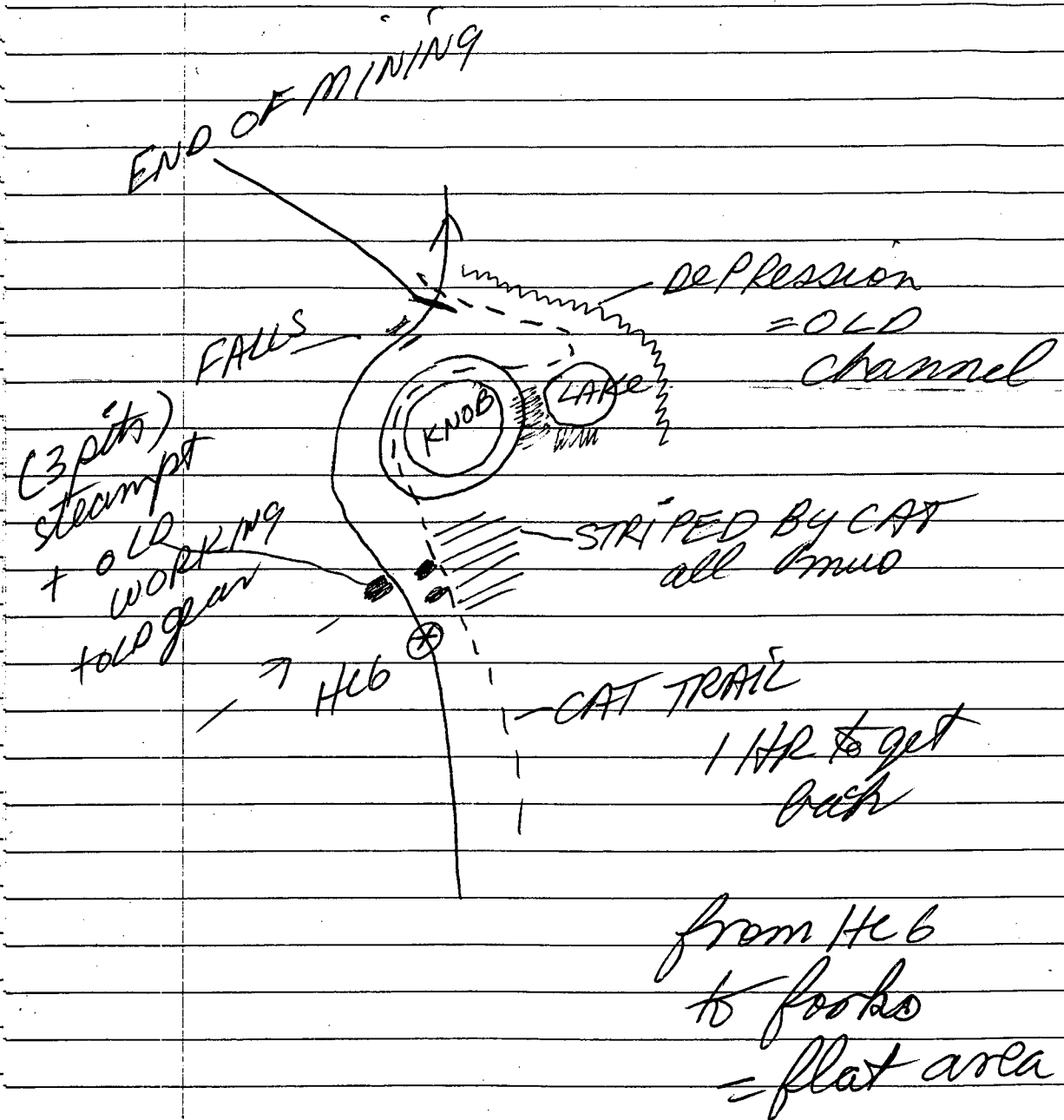


below HC4
creek drops
quickly
last area
mined

HC3, HCPAN3
moss + gravel
high energy
+ big rocks!
to east of
valley by
bedrock
drops down
to Head Cr

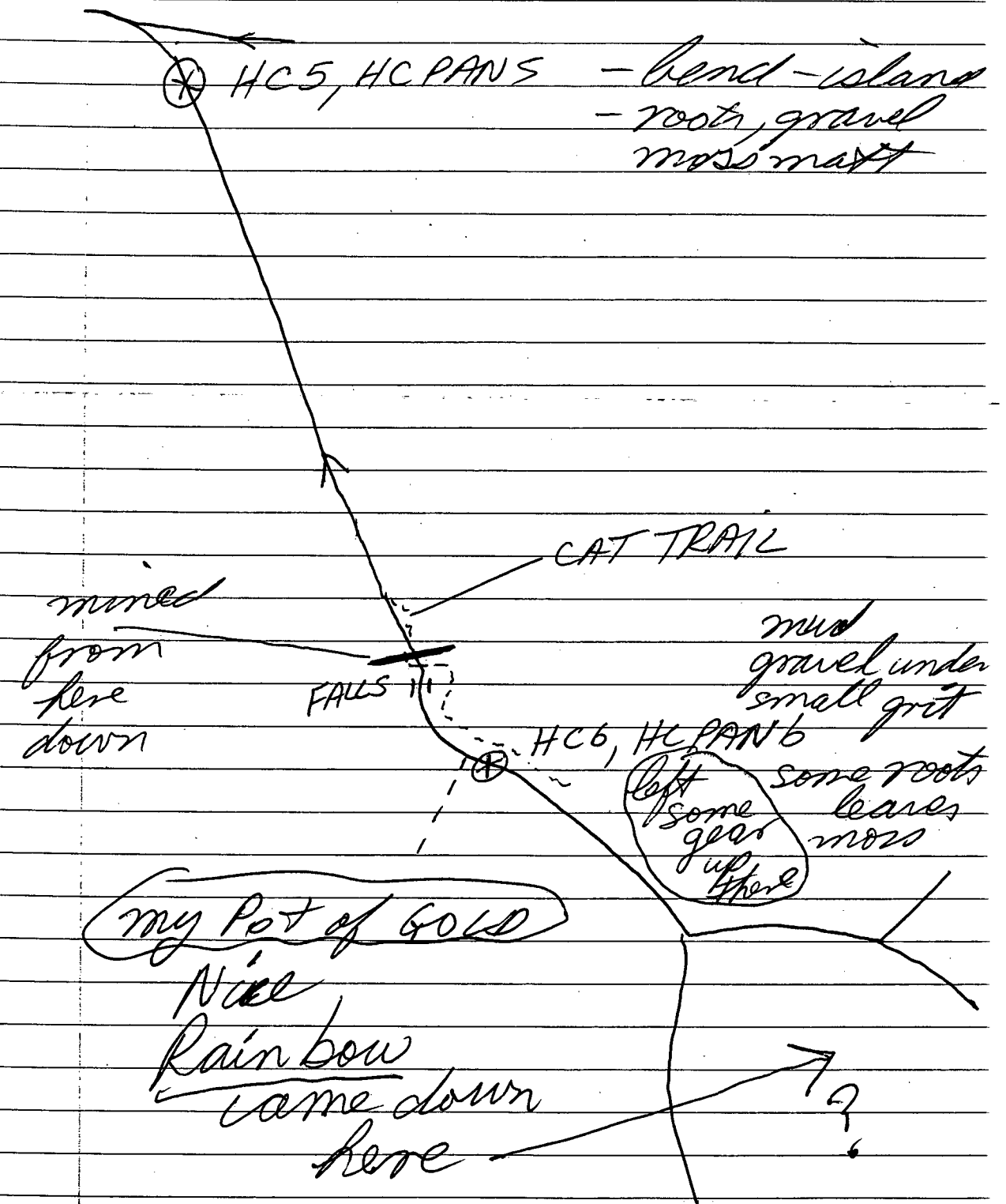
HC4, HCPAN4 - on island
- moss, gravel
- rock drop
- some bedrock





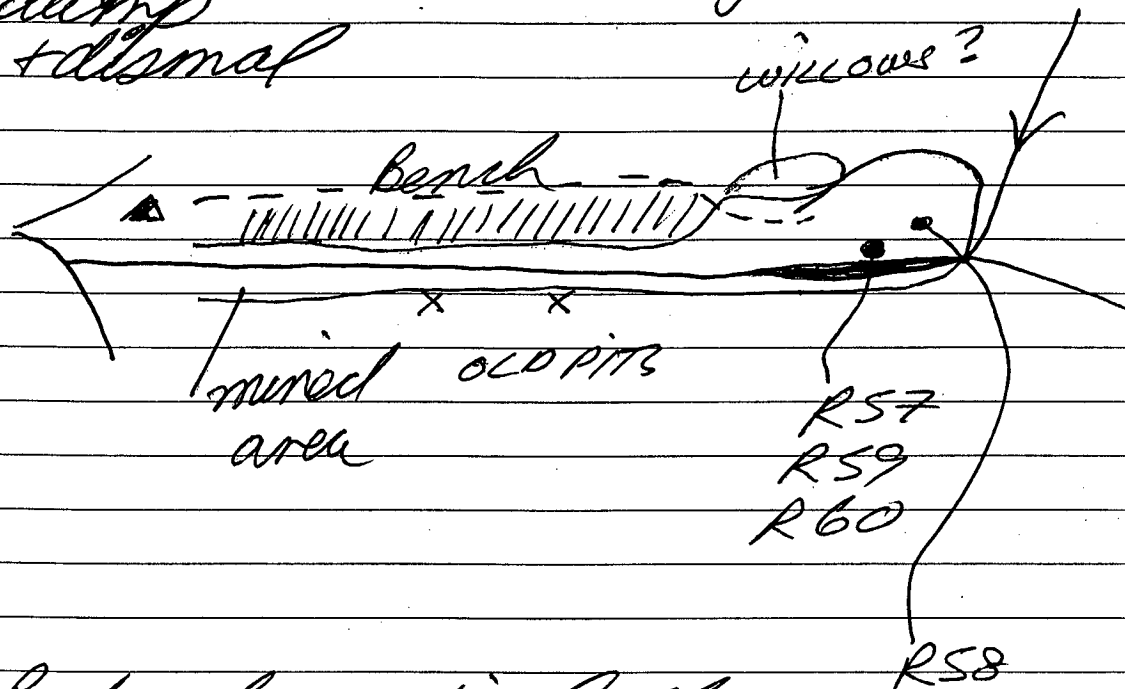
Rain at 9:45^{pm} + missed it

21 AUG 1999



lot of rain
damp
+ dismal

22
Aug 1999



Bedrock erratics all
along
from fork to fork
= gentle gradient

R57 = Pyrite + calcopseprite
* R58 = blue quartz vein + pyrite
R59 = grab bag (greenish Hinges)
R60 = gt + fragments inside

23

AUG 1999

Dribbled all day long

Did not go out.

24

AUG 1999

Dribbled or poured all day

long - 2" + i yellow pail

Did not go out.

Also found about roads.
Access, ^{As} grades, ideas for
Cades. No one has seen scheelite,
tin or bismuth here - but no one
looks for it, or knows what they
look like.

They say this place has
"POOR MAN'S GOLD" = low grade
= yet seem happy to be here from
"Down Under" to "TOP Over". 2 Kiwi
miners - 2 sep. op. Moosehorn
+ Henderson.

Jean Paulter from Tech was
here recently doing tests. I am
now glad I was here first. So now
EL gwapo has scooped Tech!!!

25

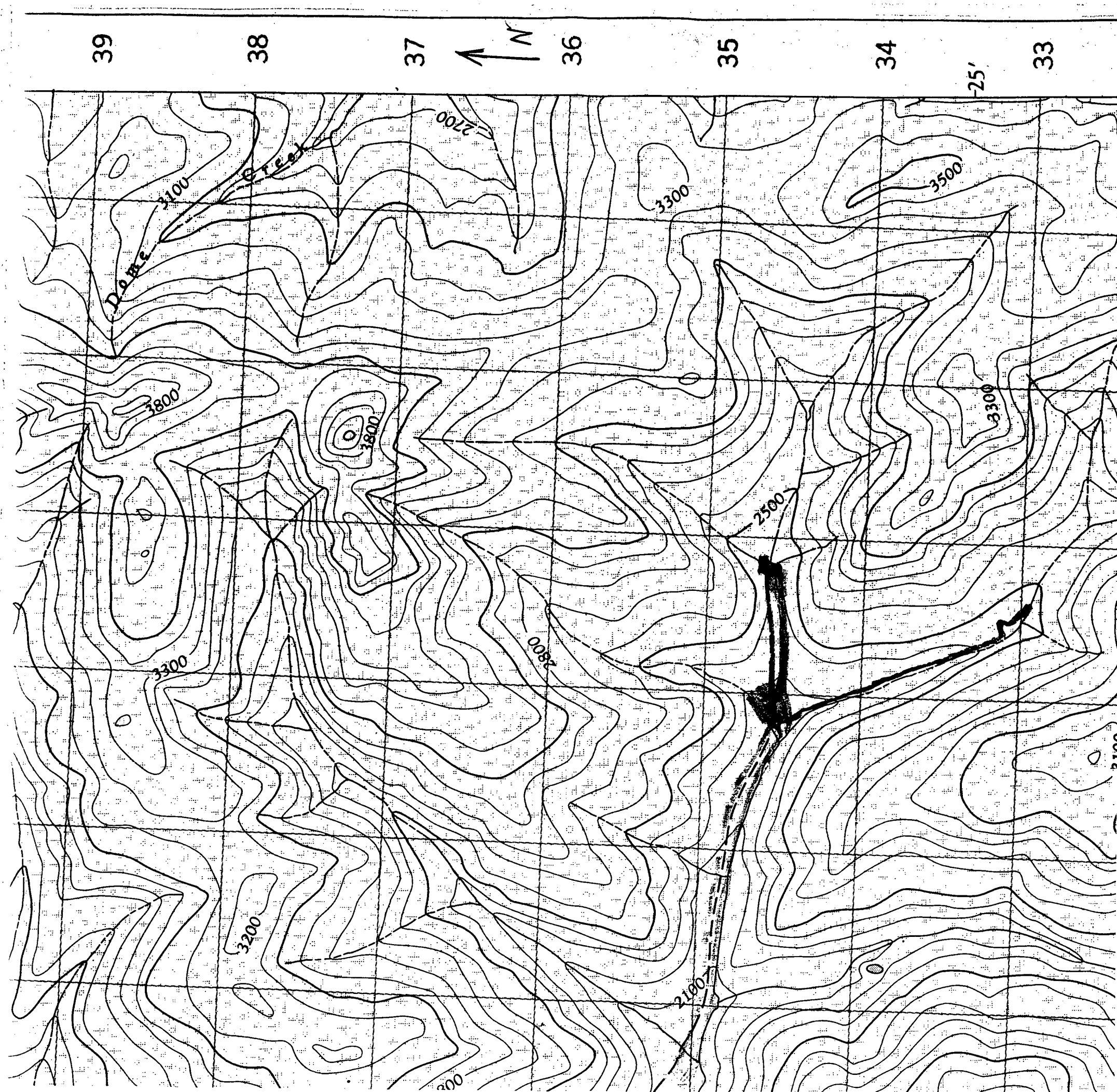
AUG 1999

Stream ^{way} too high for testing.

Muddy + fast - so went along
N side of stream - checked for
bedrock outcrops - not too
many! Walked back along
road + looked for bedrock; none.

One old pit - 8-9' deep. 2 seeps
= OK for silts. Not really streams.

Talked to Kivi gold miner. I can
test his black sand cong. Main
stream - ^{about 1 hour of work} tailings = 2 oz / 100 yards
^{plus fines.}
Big flakes to small coarse.



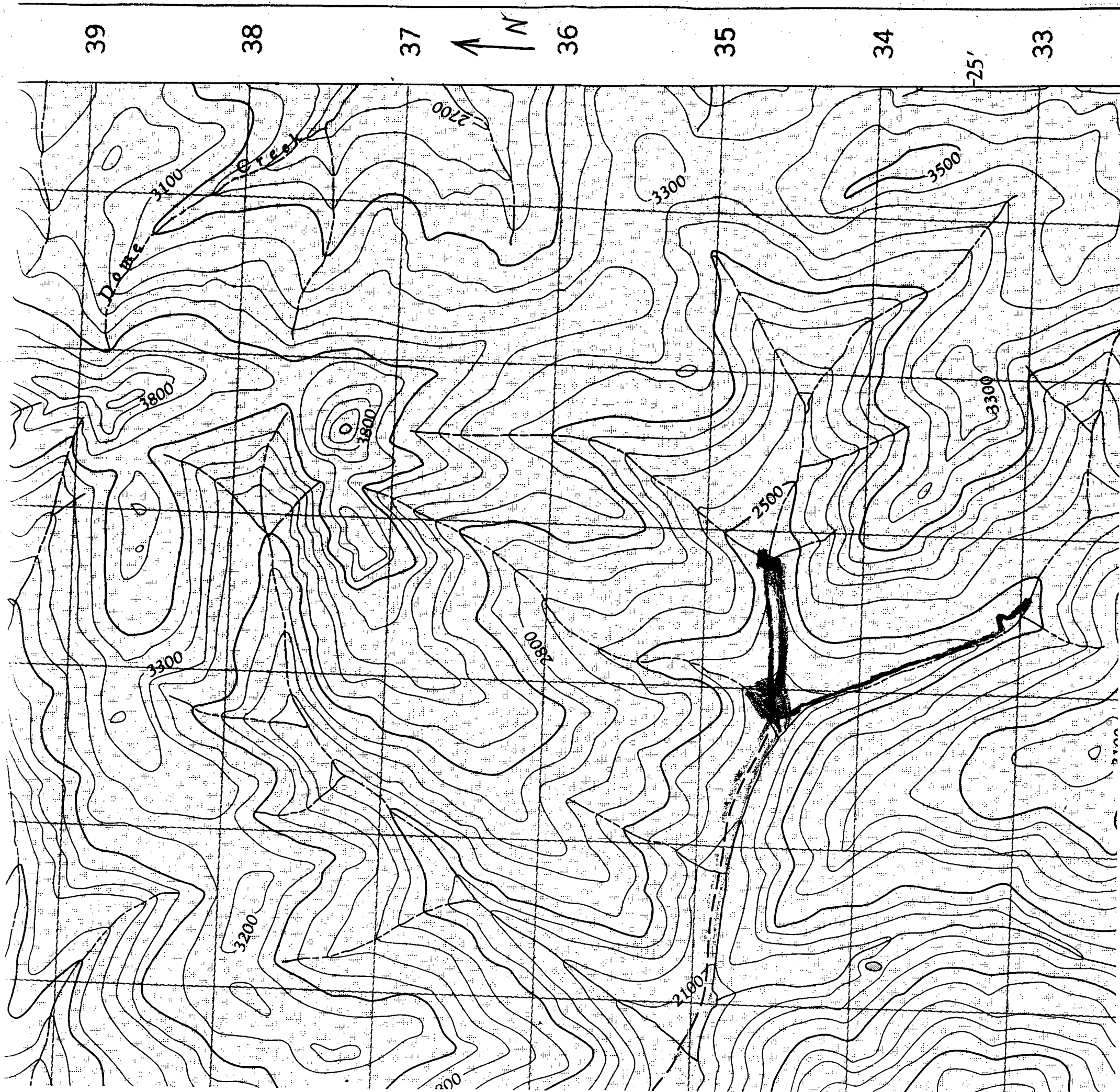
19 ~~SEP~~ AUG 99

20 AUG 99

21 AUG 99

22 Aug 99

25 Aug 99



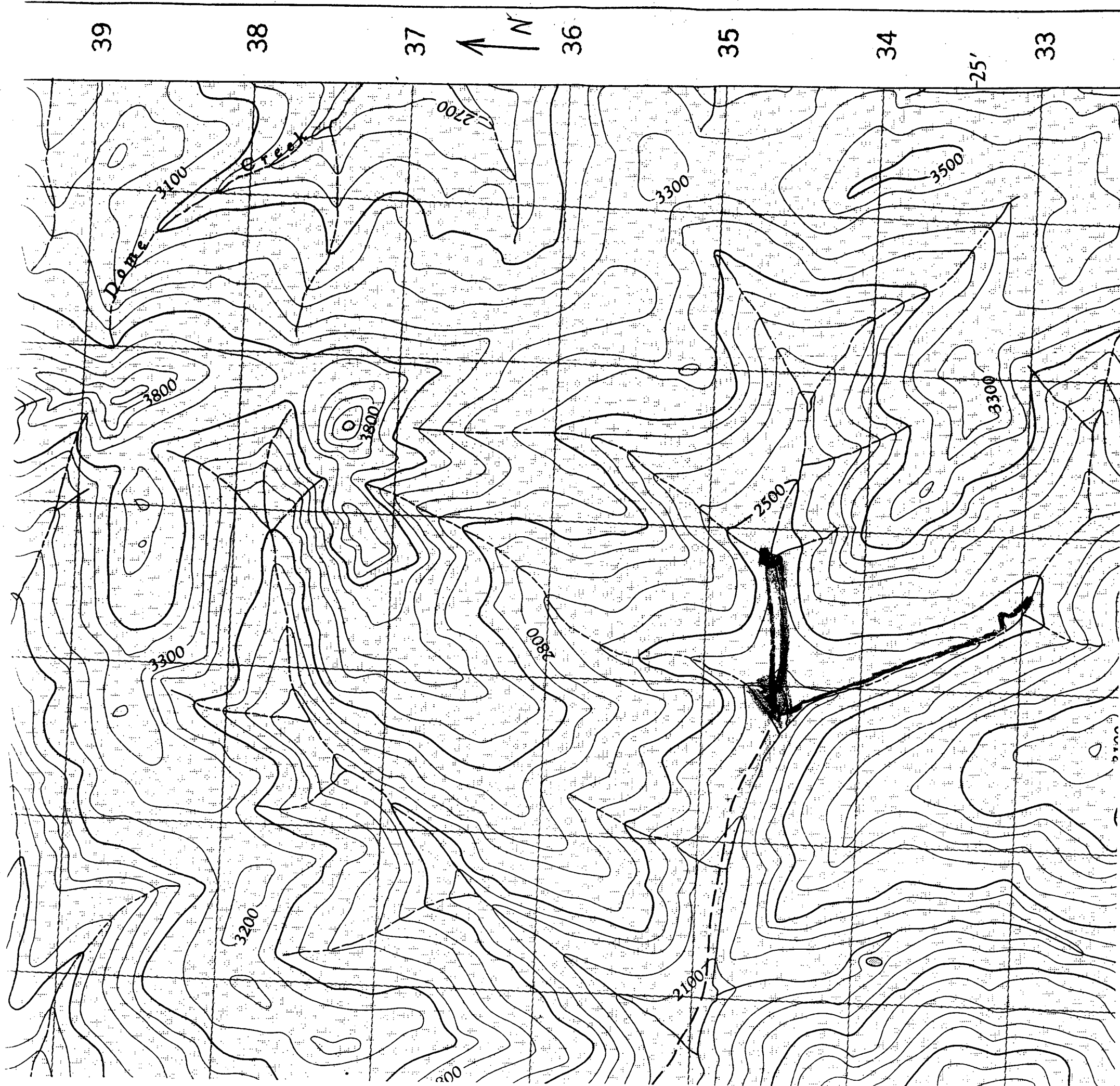
19 AUG 99

20 AUG 99

21 AUG 99

22 AUG 99

25 AUG 99



19 Aug 99

20 Aug 99

21 Aug 99

22 Aug 99

25 Aug 99

26
AUG 1999

hail + rain - soaked to the skin

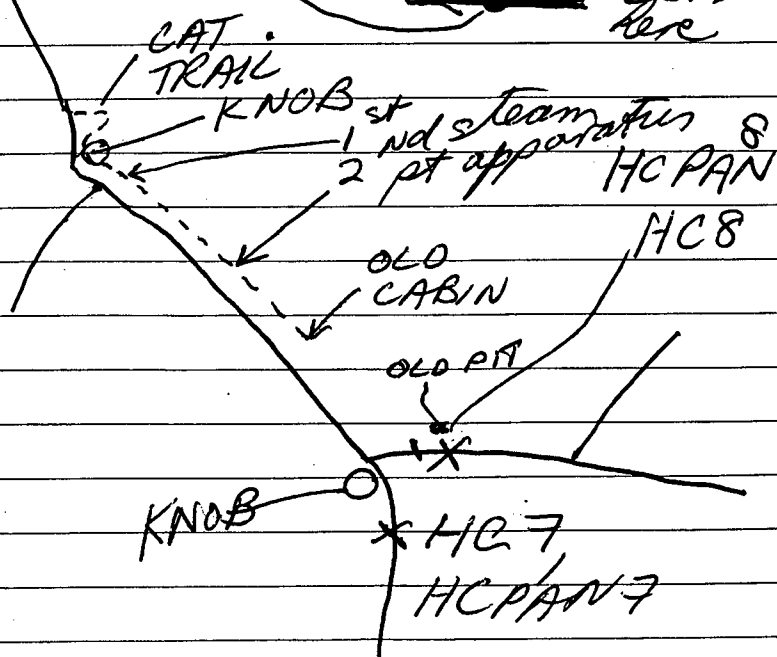
at FORKS = quag mire
= swamp
silt
mud, goo

H₂O
high
+ muddy

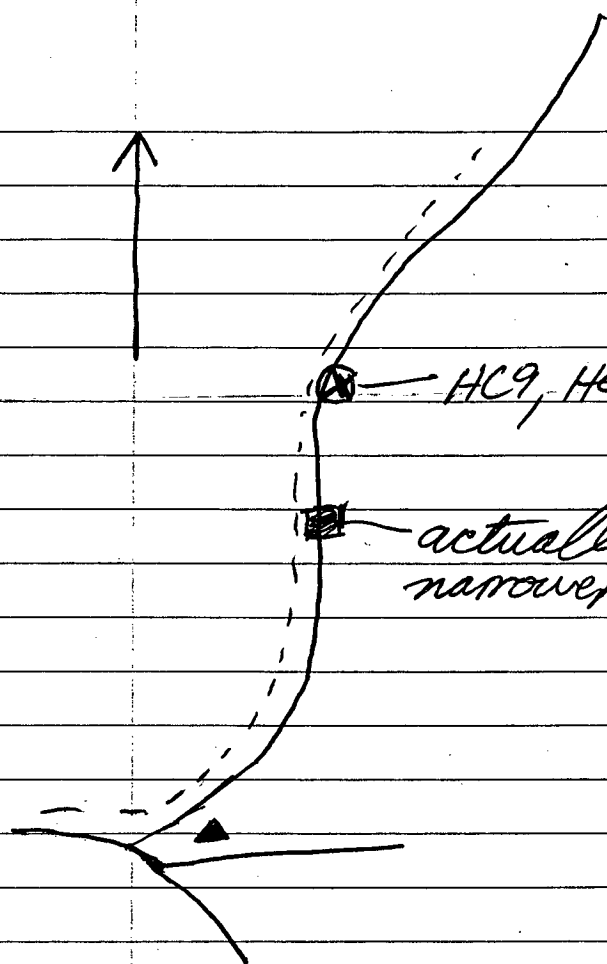
HC7 = slow usually
but now in flood
most was sand
silt
very few > 8 mesh

R61 - ?
lot of
pyrite

HC8 = slower HC7
more > 8 mesh
~~PIT~~ 2nd. here



27
AUG 1999



HC9, HC9AN9

actually
narrower

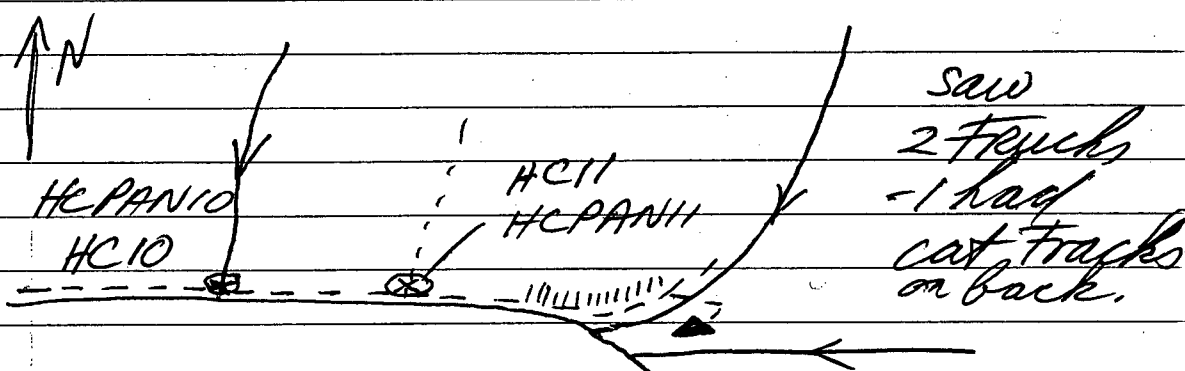
good H₂O flow
Rocks up to
1 foot
- went up 3000'
Up chain!
- on an photo
looks to be an
area stepped
- But could not
see it

Rained on/off most of day.
But went out, have many things
to do + want to get all done!

28

AUG 1999

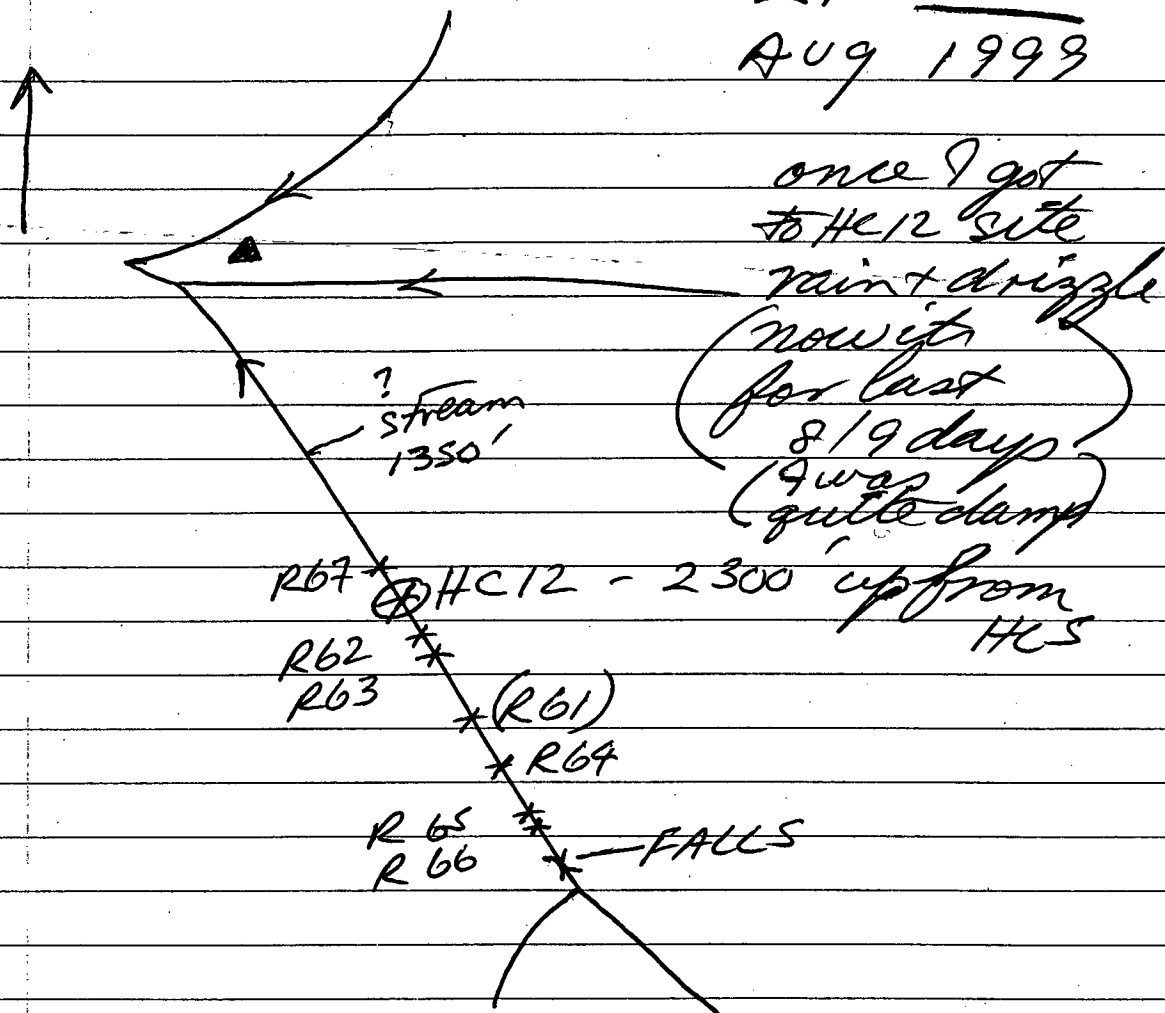
Rain for good part of day
so I did things close to camp.



HC10 - had to dig hole to pan
HEPANIO - lot of silt!
- no big rocks
- just grit
+ dribble
- higher 2 days ago
- culvert

HC11 - swamp - culvert - pond
HCPAN - H2O oozing out
" - very sticky goo
- culvert

29
Aug 1999



N.B. seems almost no rocks
really worth even cracking
open - gold source is a big
puzzle.

26 Aug 99

27 Aug 99

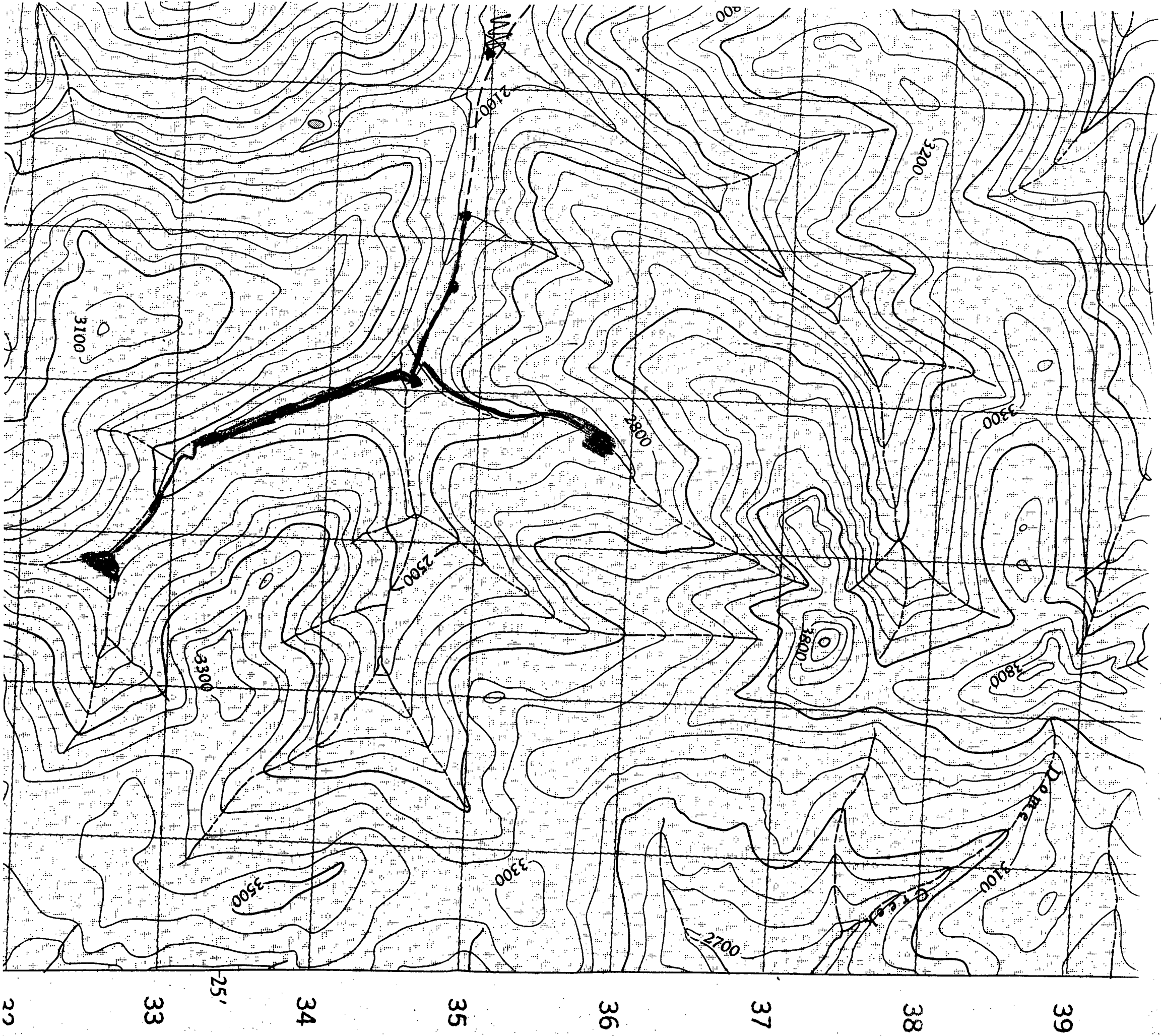
28 Aug 99

29 Aug 99

~~30 Aug 99~~

↑
~~need new~~
map

and 31
~~Aug 99~~
as well



last nite at 10⁰⁰ pm
 Black bear (same one as before)
 came by - chased him away
 3x

came back once at 6⁰⁰ am
 - went in direction?
 was planning to go

so need a new camp site
 - met Bruce Cowan

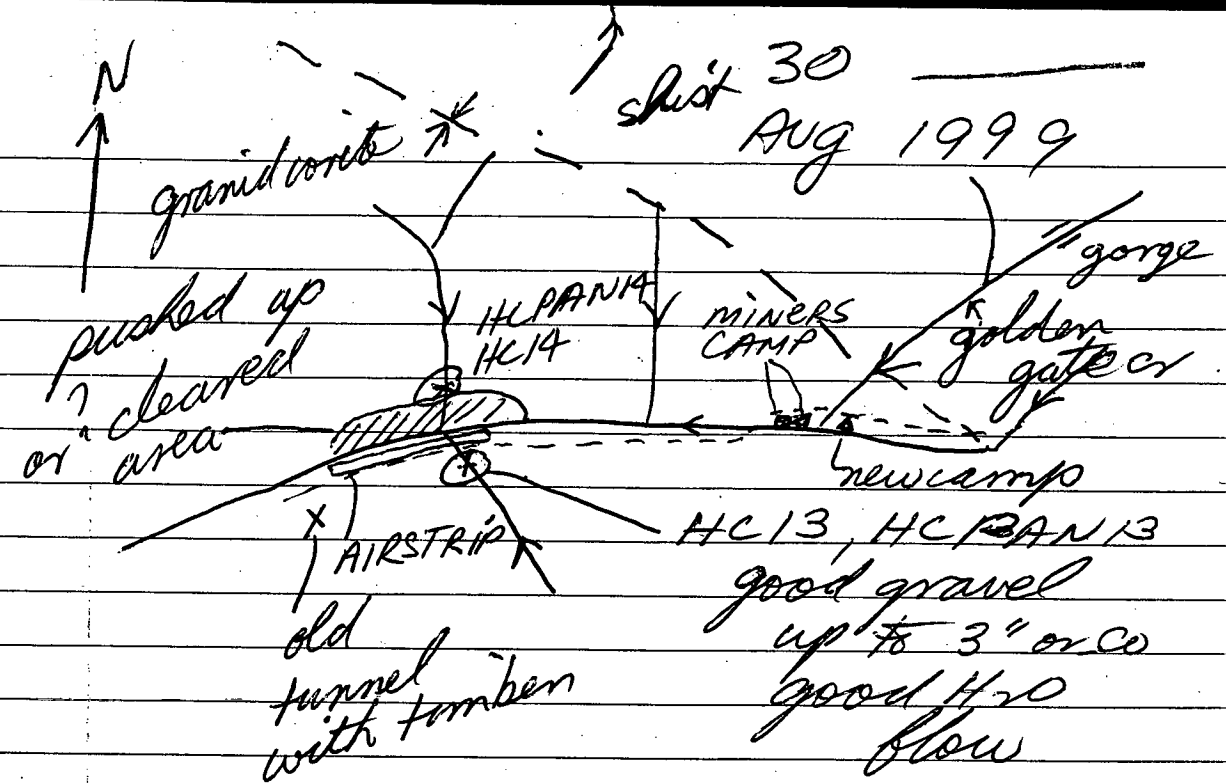
~~BEAR~~
~~lost 2 mags~~
~~2 pairs of mags~~
~~no grapes~~
~~no carrots~~
~~pot~~
~~onions~~
~~all water~~
~~or sealed path~~

~~also~~ Kiwi - gold not
 (above gorge)
 on golden gate

- below HC 4
 gold is spotty

young Kiwi - gold comes
 from southern
 streams
 x from north

Hopefully at new camp
 dog will scare away bear.



- stream splits
 HC 14, HC PAN 14 - stream in bog
 - water oozing out
 of moss
 - mud stream + grit
 under it
 - a doubtful quality
 stream - splits
 + oozes.

Kiwi's
 Rumor is
 Schmidt has
 staked his
 mt.

Rainy + misty
 until 12⁰⁰ or so

Bruce
Cowan

only
pay
big
fees
down

- it should pay down to Union
- owns almost all claims here
- talked to him as I walked thru
- = do best - side pay of dredge
- = pups do not pay
- ie: mouths not good enough

- Stuart Schmidt may buy his claims
- N Henderson

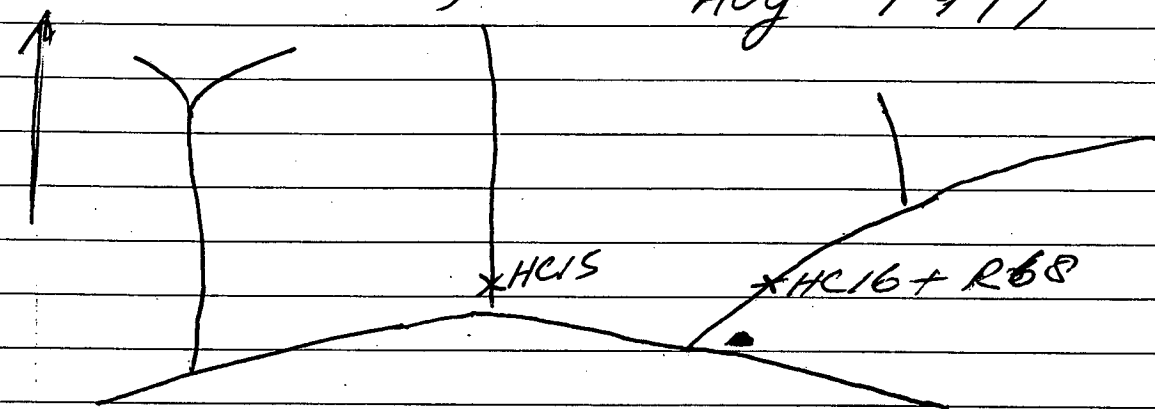
= 1/2 - 1/3 grade of S. Henderson in old days

= Laurens had some walnut size nuggets.

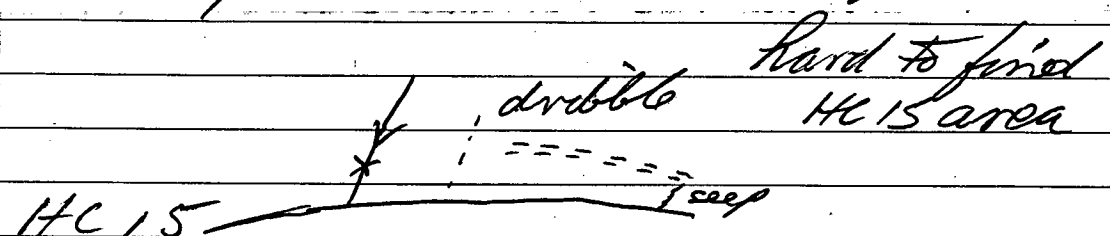
drill tests poor but nuggets make bulk samples necessary

Broke my chair today

31
AUG 1999



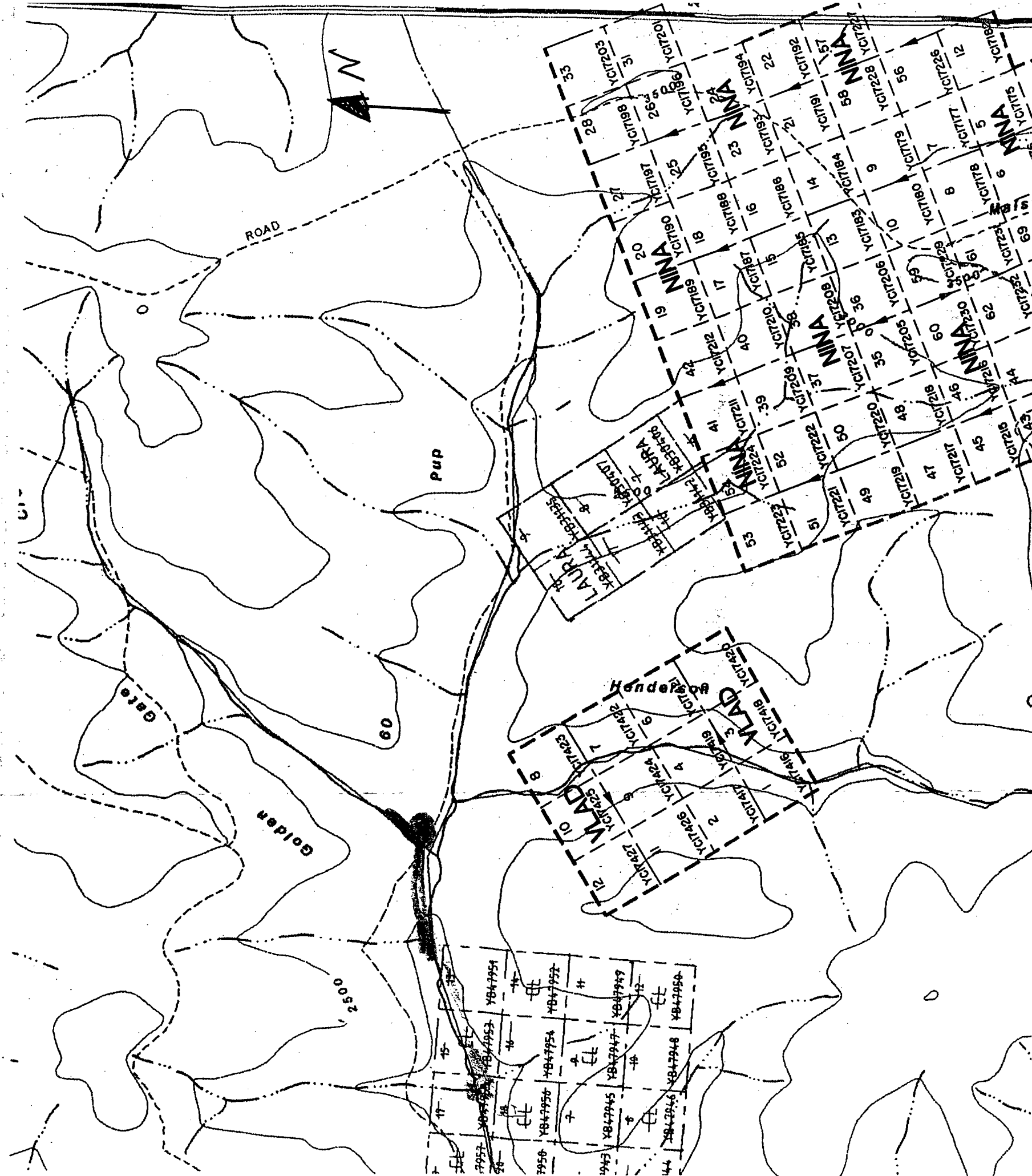
good day + now at 6-8 on/off showers

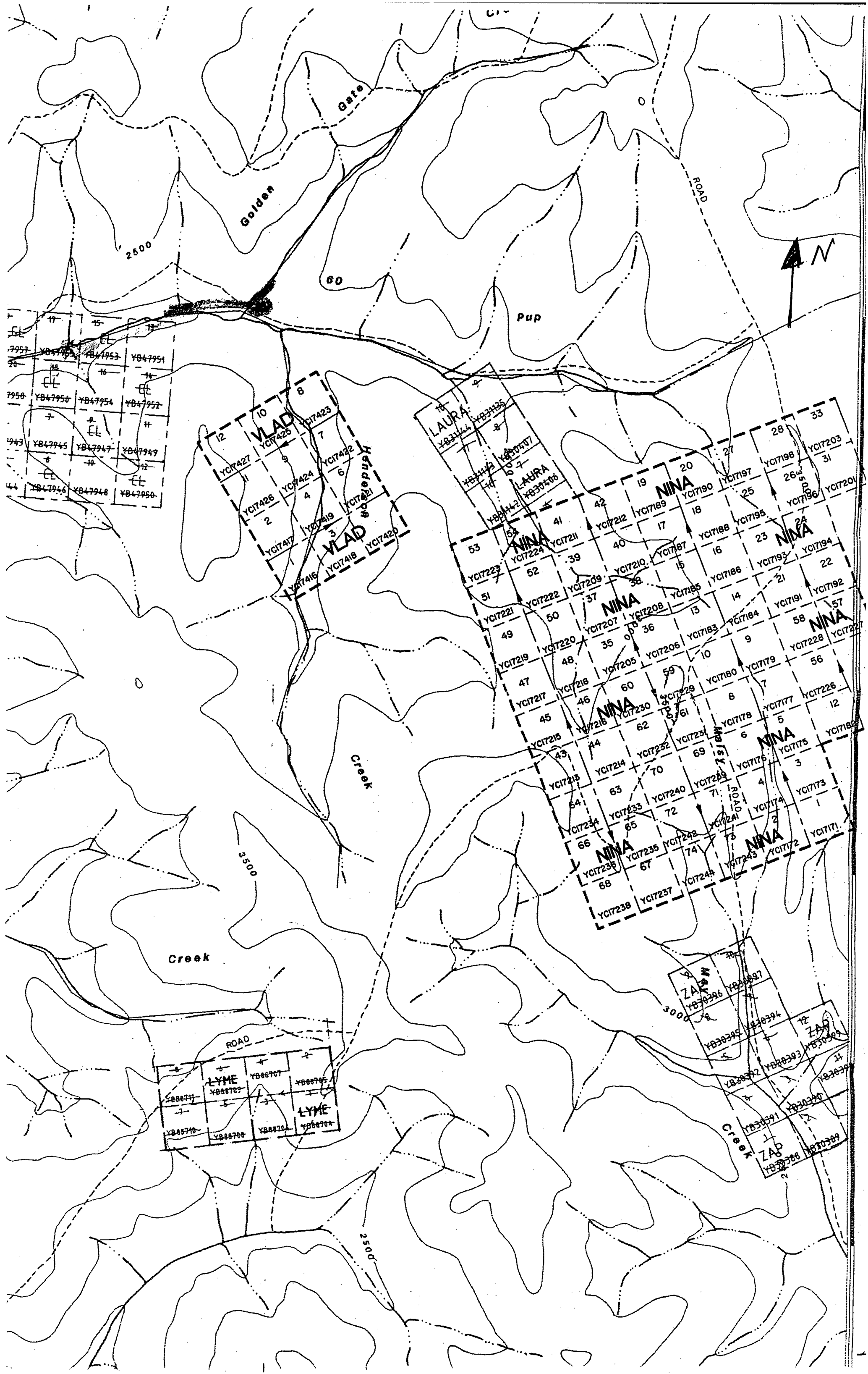


HC16 = good flow
↑ = mined area
R68 = quartz
= interesting

almost lost my foot at seep - it would have been fun going thru my tent camp with 1 foot!

31 Aug 1999





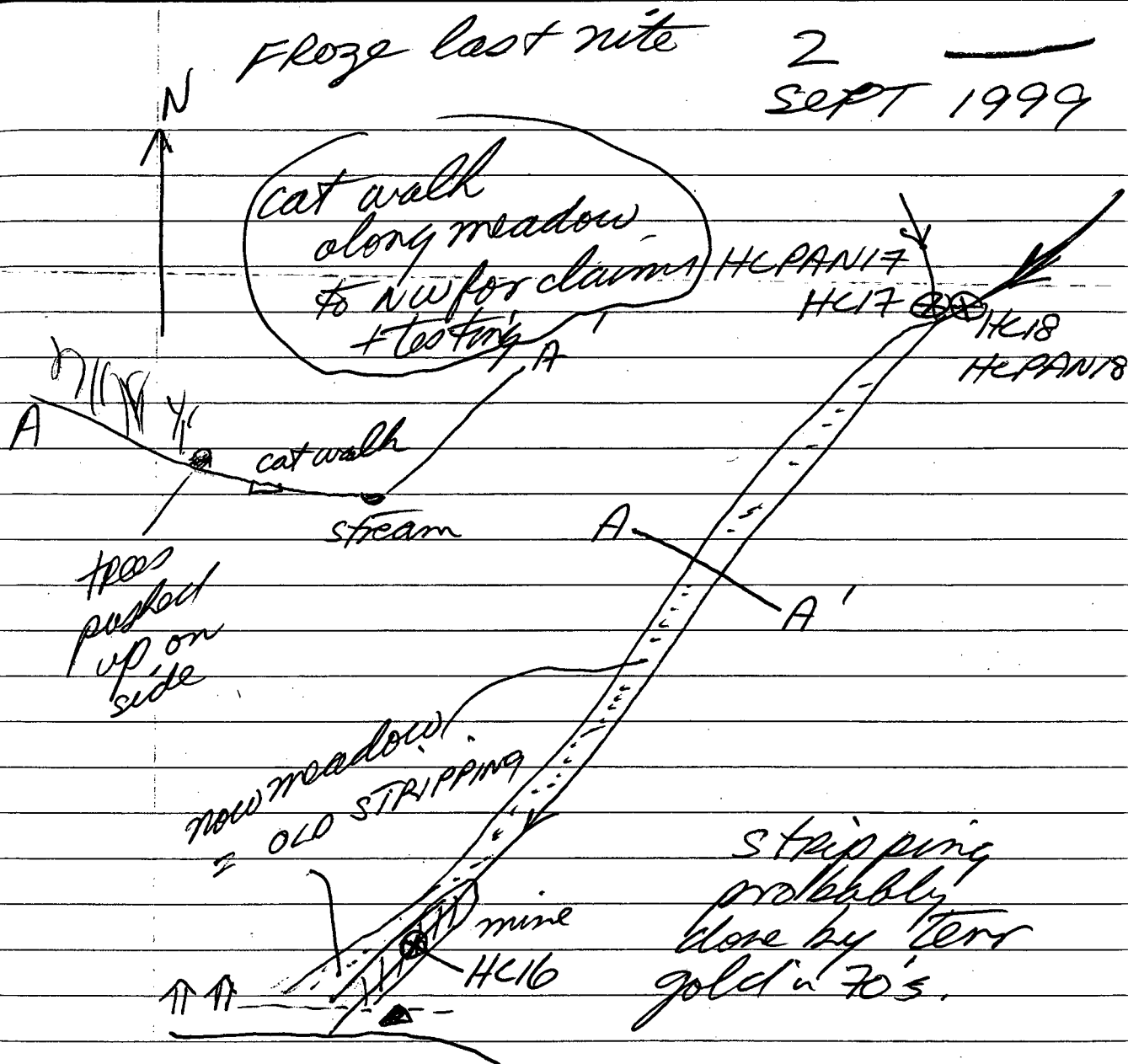
1
SEPT 1999
Decided 3-4 times to go or
not to go. On 1 off rain all
day - heavy at times.

Did not go out!

At 8 PM bear walked past my
truck - sniffed store + knocked
^(pot)
it over. Sniffed my packs +
ambled past. Had my shotgun
handy - but wrong bear. Shorter
+ chubby = different one.

Froze last nite

2
SEPT 1999



HC18 - lot of water
- big boulders

HC17 - good water
for small
gully
- rocks up to
4"

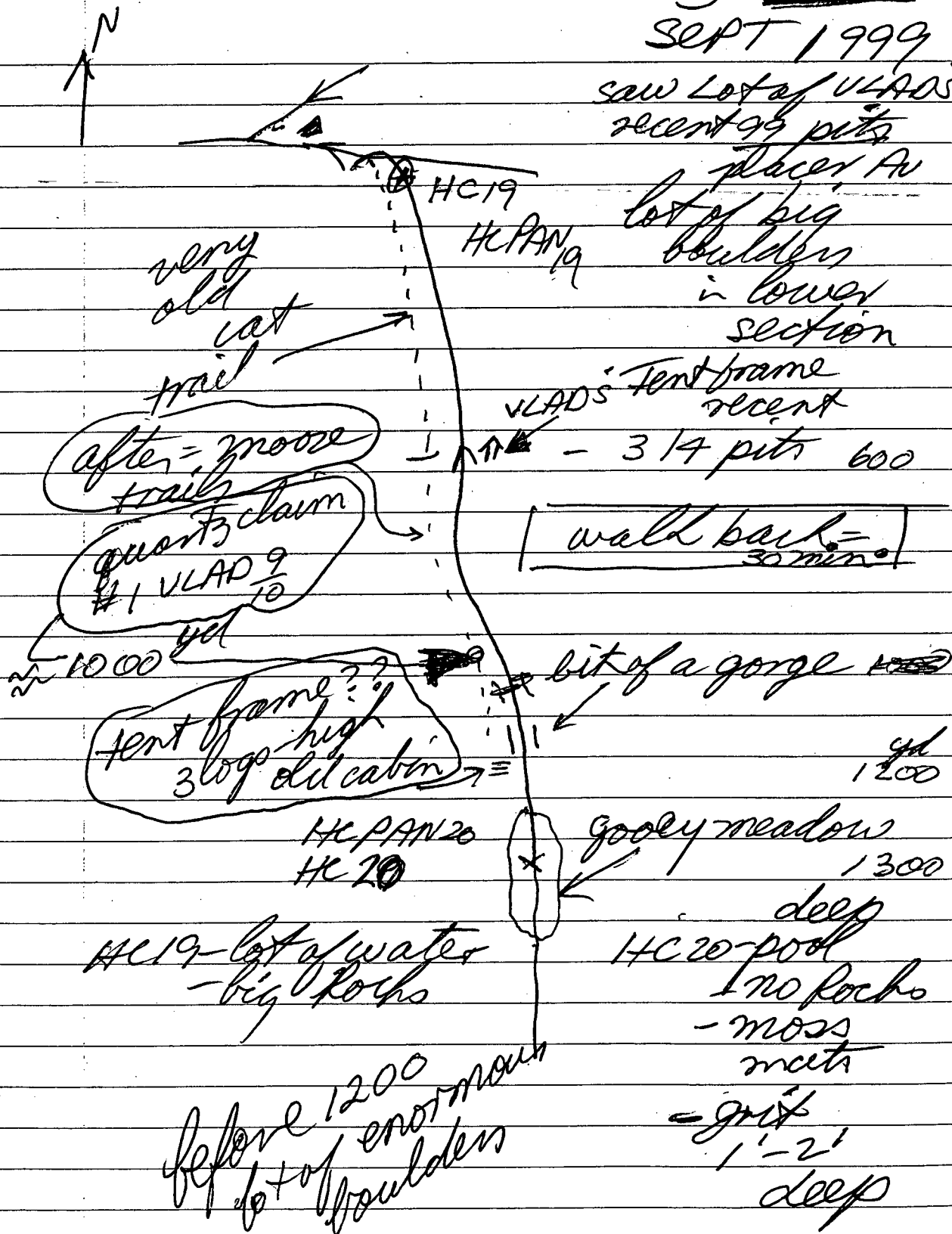
3
SEPT 1999

saw Lot of VLADs
recent 99 pits

Placer Au
lot of big
boulders
in lower
section

VLAD's Tent frame
recent
- 3 1/4 pits 600

walk back =
30 min.



A
SEPT 1999

granodiorite
plug

very fixed
today

HL 22 - good flow
- gravel + moss
- most
- 1'-2' deep
- rock up
to 1'-2"

HC16

HC17 HC18
2 Sept

ganga - not
seen
KIWI SAID
- about it
i no gold ??
- small gold
missed it
- location ??

old cat trail to
HC21

HC21 = dry gully
= so carried
pail + bag to
stream
- I dug a hole
2" deep
under grass
in gully

HC21
HC22
HC23
HC24
HC25
HC26
HC27
HC28
HC29
HC30
HC31
HC32
HC33
HC34
HC35
HC36
HC37
HC38
HC39
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HC84
HC85
HC86
HC87
HC88
HC89
HC90
HC91
HC92
HC93
HC94
HC95
HC96
HC97
HC98
HC99
HC100

R69 Float
= granit?
schist bedrock

5
sept 1999

very tiring
day - all
played out

moor - must be
hard on legs

* each sample taking
2 or more hours

but only time 1/2
enough water sample
Russian gear cable

same as
HC 24

good 4/20
+ chip ^{up} to 3"
+ silt

some moor
(moose
crossing)

HC PAN 24
HC 24

HC 23

HC PAN 23

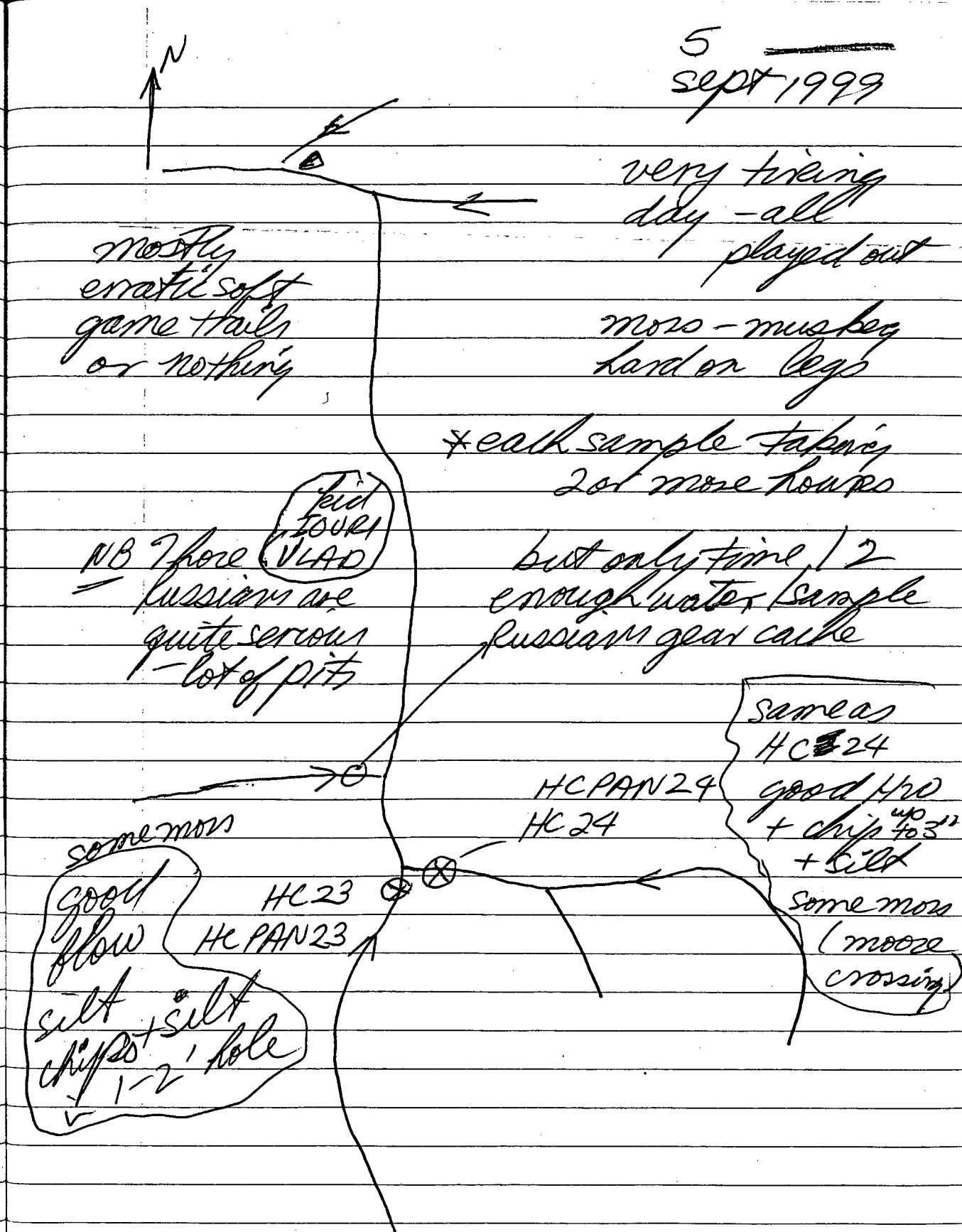
good
flow
silt + silt
chip 20' hole
1-2'

some moor

NB there
- Russian are
quite serious
- lot of pits

kid
four
VLAD

mostly
erratic soft
game trails
or nothing



Drove along the
road at a slow
pace + checked out a place.

6
SEPT 1999

took a grab bag of rocks around
old campsite = R70

Then parked + transferred to
Maisey May Cr.

Road not used
much - trees in
from side
+ grass in
middle

HANS
+ Bear
incident

camp at
grave
rock pit

camp
+ tent
+ table

This stream
section
is like a
chute
- steep slopes

KNOB
CLIFF
ROAD UP
RITE CREEK
BRIDGE
almost gone
Red Ribbon
warning

R71 - imp - ?
gt stranger

+ MMC
MMC1 PAN1

Barrier
of dirt

SILT = good mud
+ rocks up to
6"
- good flow

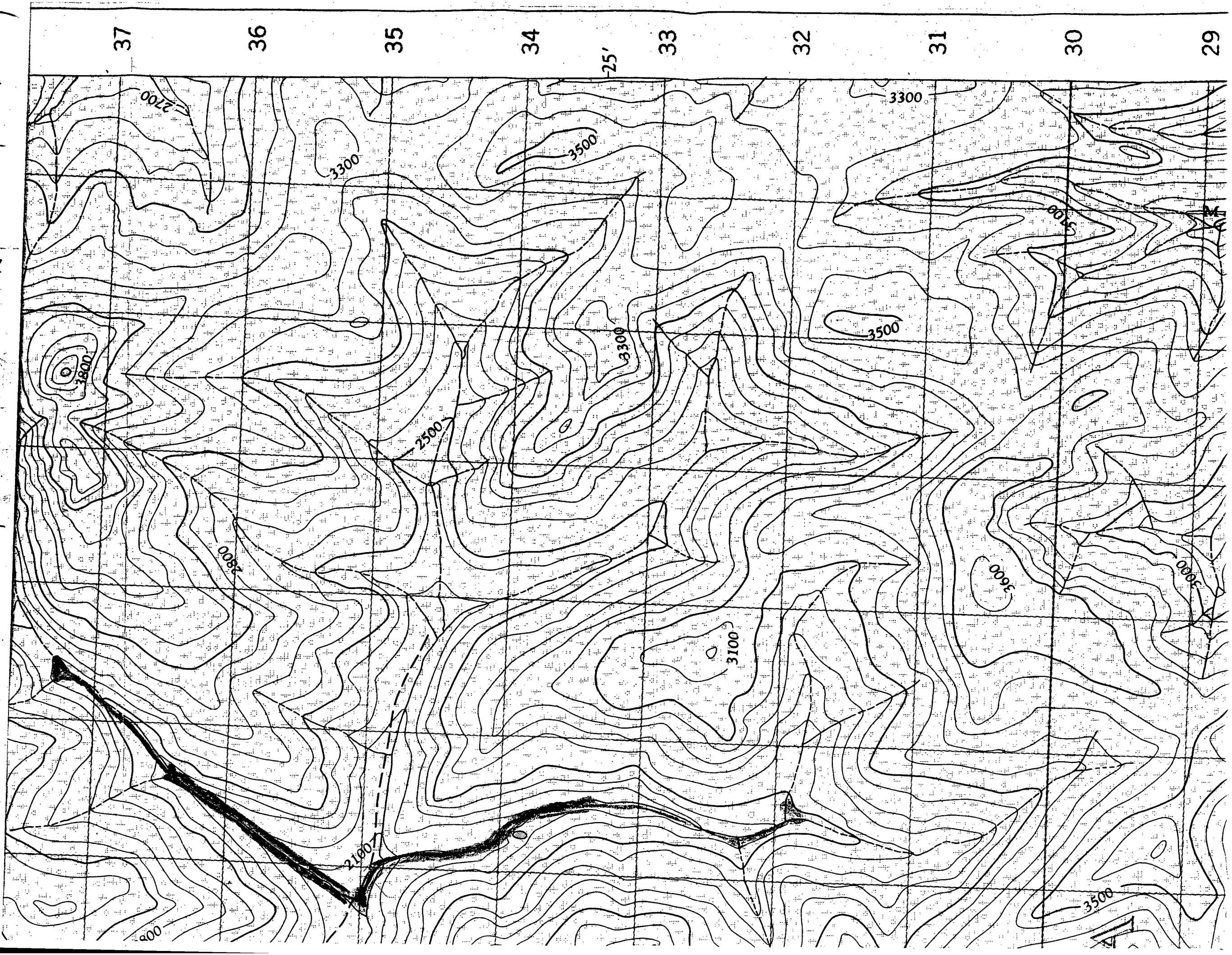
28 Sept
1999

30 Sept
1999

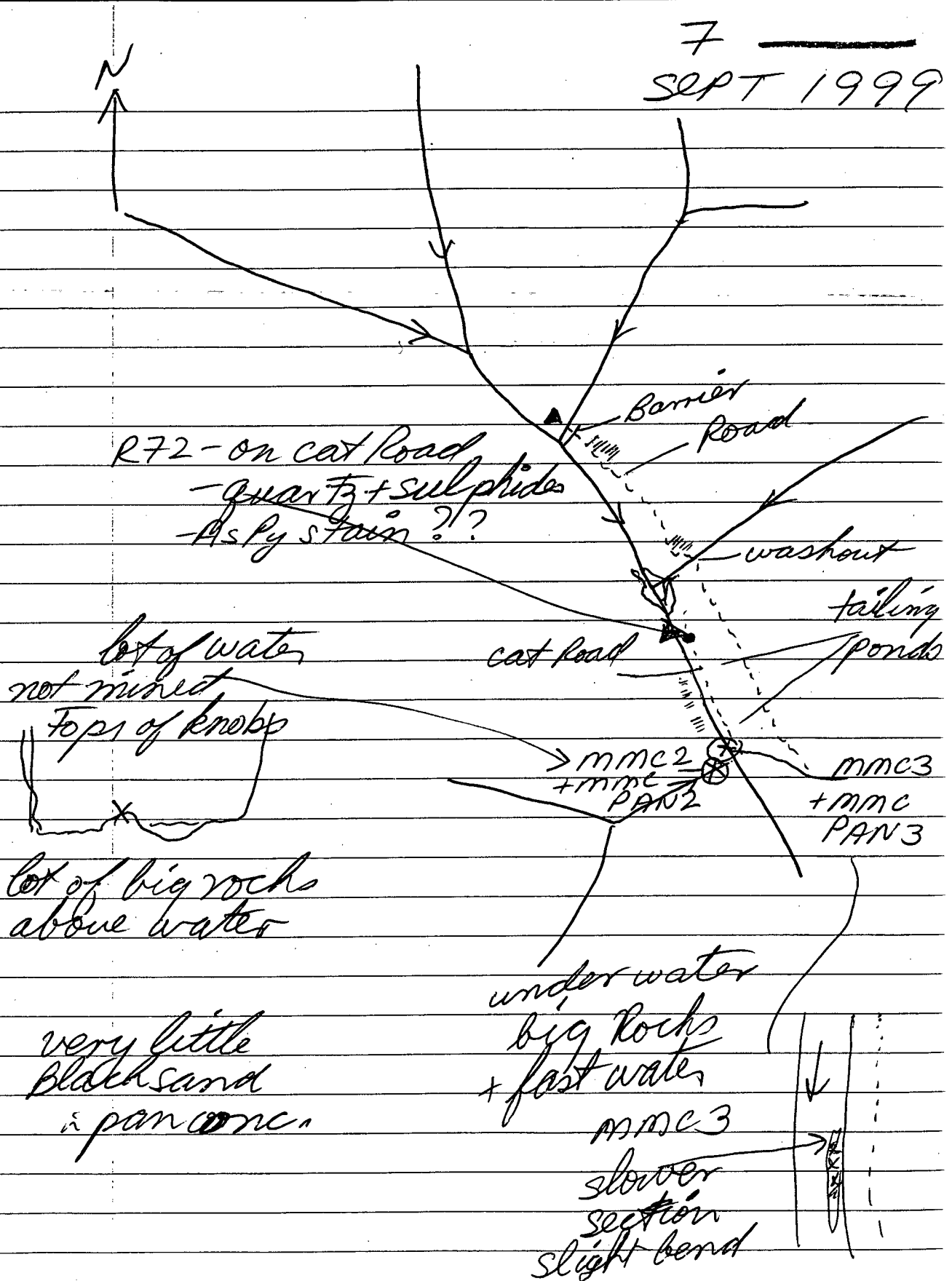
4 Sept
1999

5 Sept
1999

6 Sept
1999

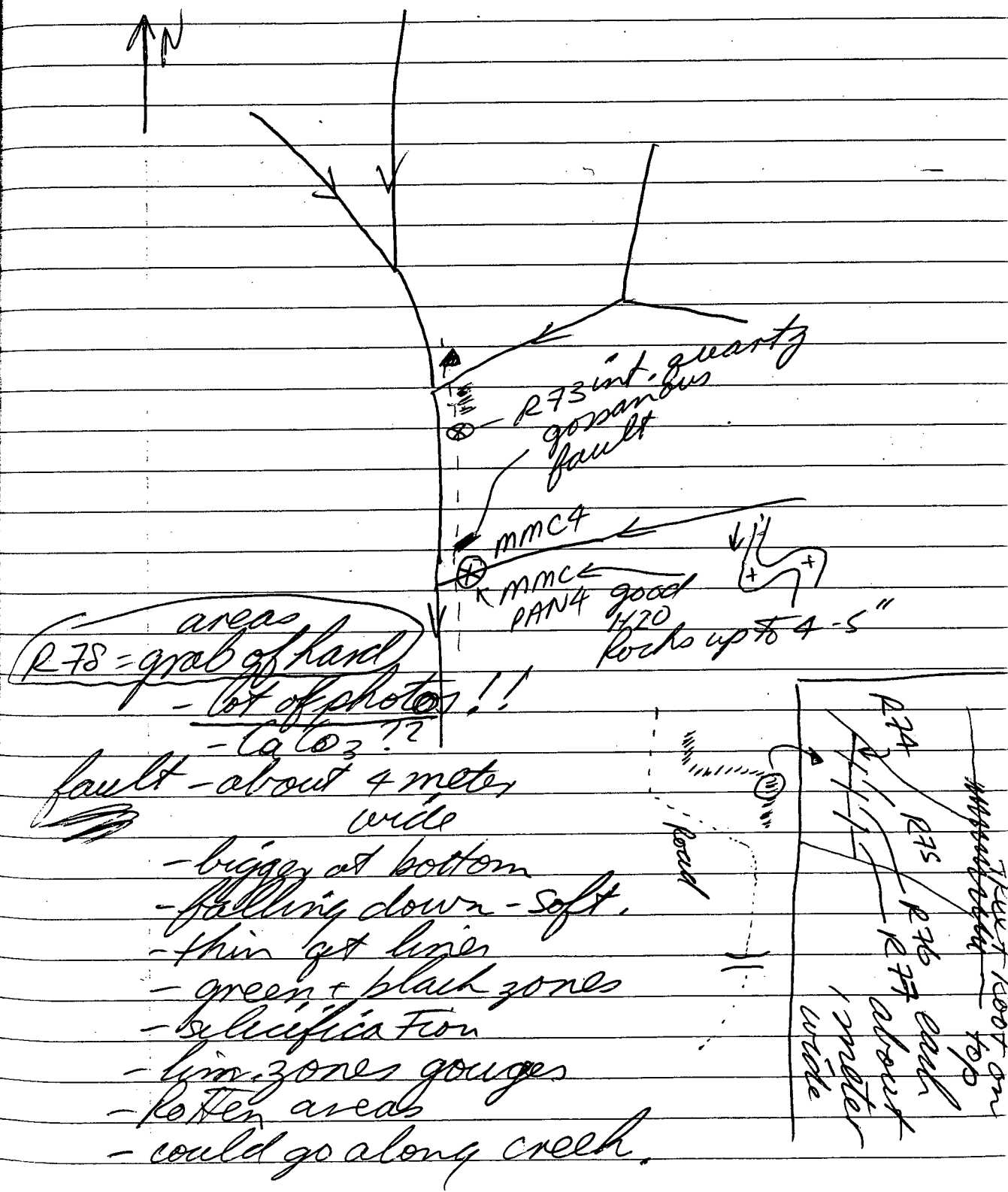


7
SEPT 1999



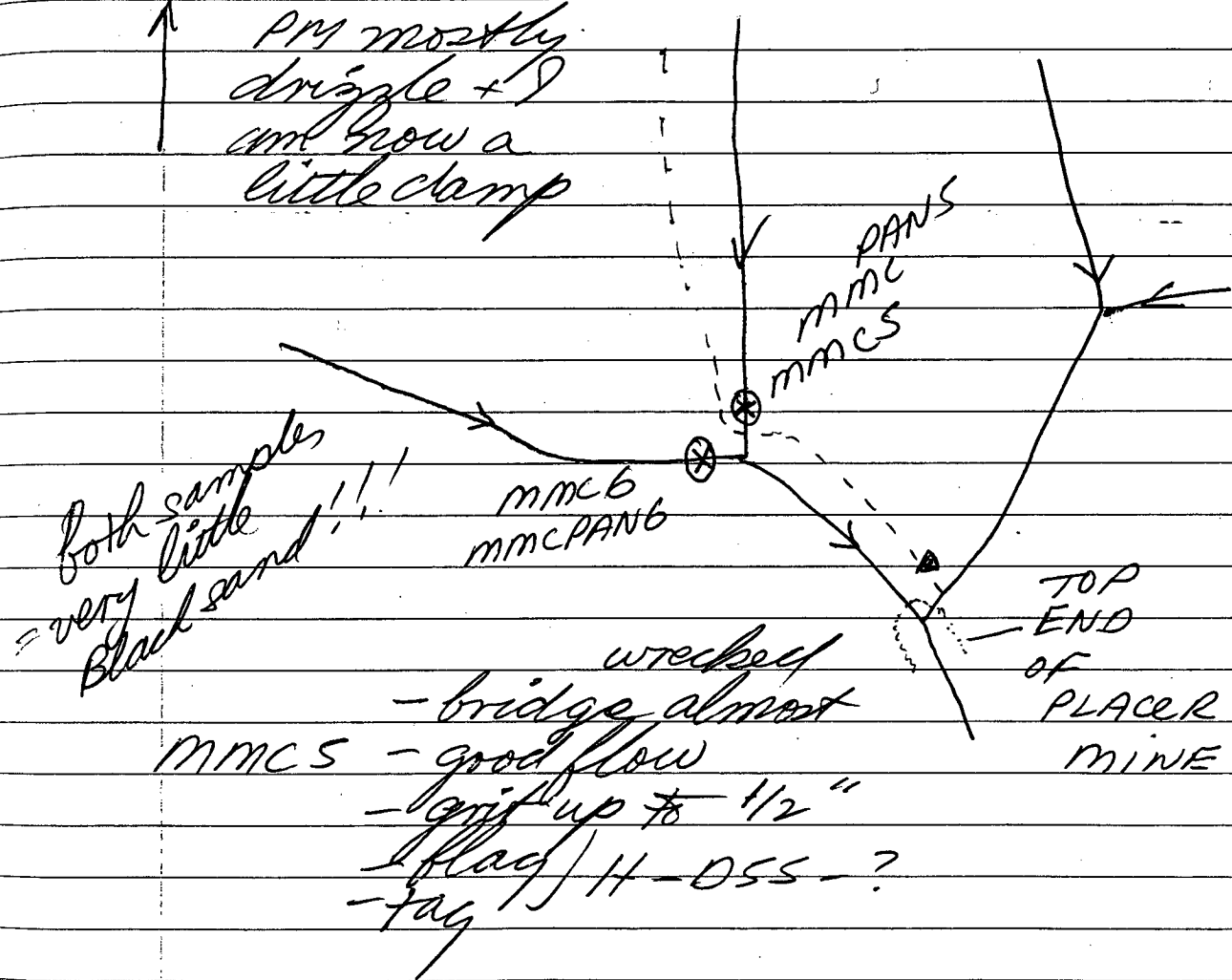
8

SEPT 1999



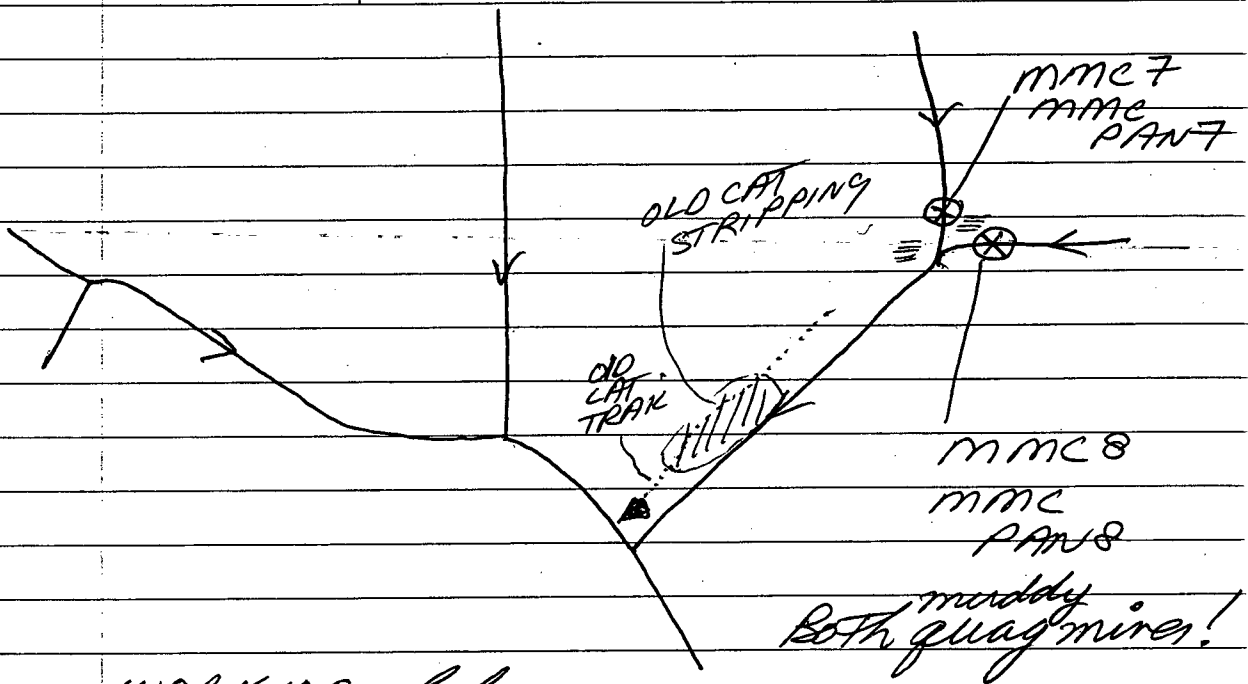
N
 ↑
 Damp day
 rain AM
 PM mostly
 drizzle + I
 can grow a
 little clam

9
 SEPT 1999



mmc6 - good flow
 - fibrous, mud banks
 - grit up to 3" or so

10
SEPT 1999



WORKING old
+ grown over
never mined
probably TERR
GOLD

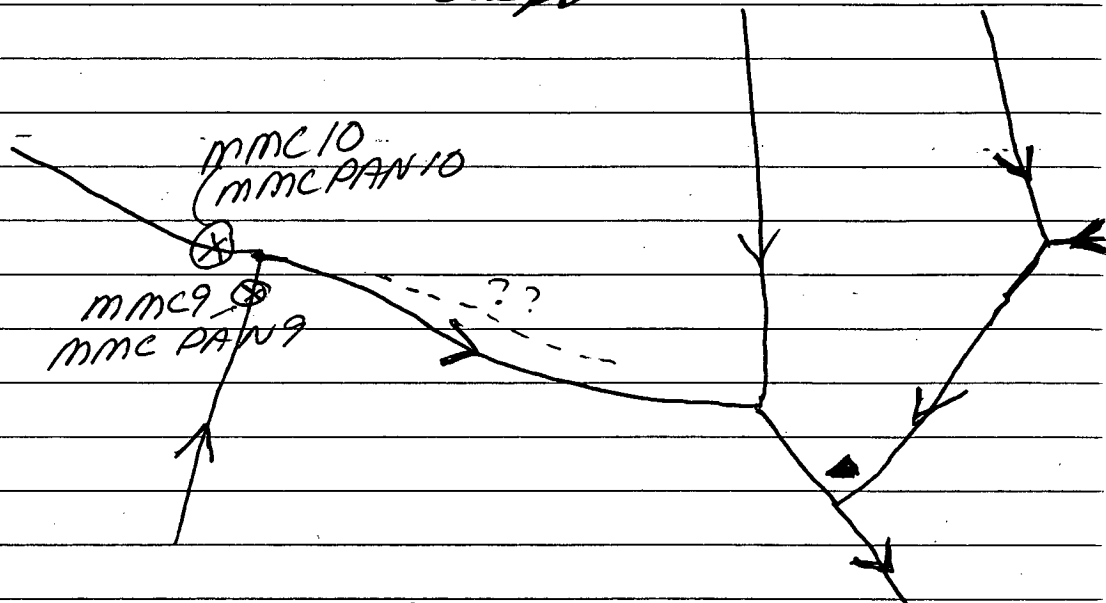
OR QUEENSTAGE
in late 70's, early 80's

mmcf
- grit up to 1/2"
- some big rocks
tag H-D-5 2 seen
at area
(TECKS) ??
- good flow

m m c 8
had more
black sand

- mmcd - grit up to 1"
- steeped
- more black sand
- some big rocks
- good flow

N Last few days
 morning - frozen!
 11 SEPT 1999
 Tough going - thick
 bush



mmc9 - good H₂O

- grit up to 6"

- more black sand than mmc10

some old
 placer
 pits

mmc10 - good H₂O

- grit up to 1/2" seen!

came back on south side
 post 1500' claim
 but no tags

N side - old cat road
 very old

6 sept 1999

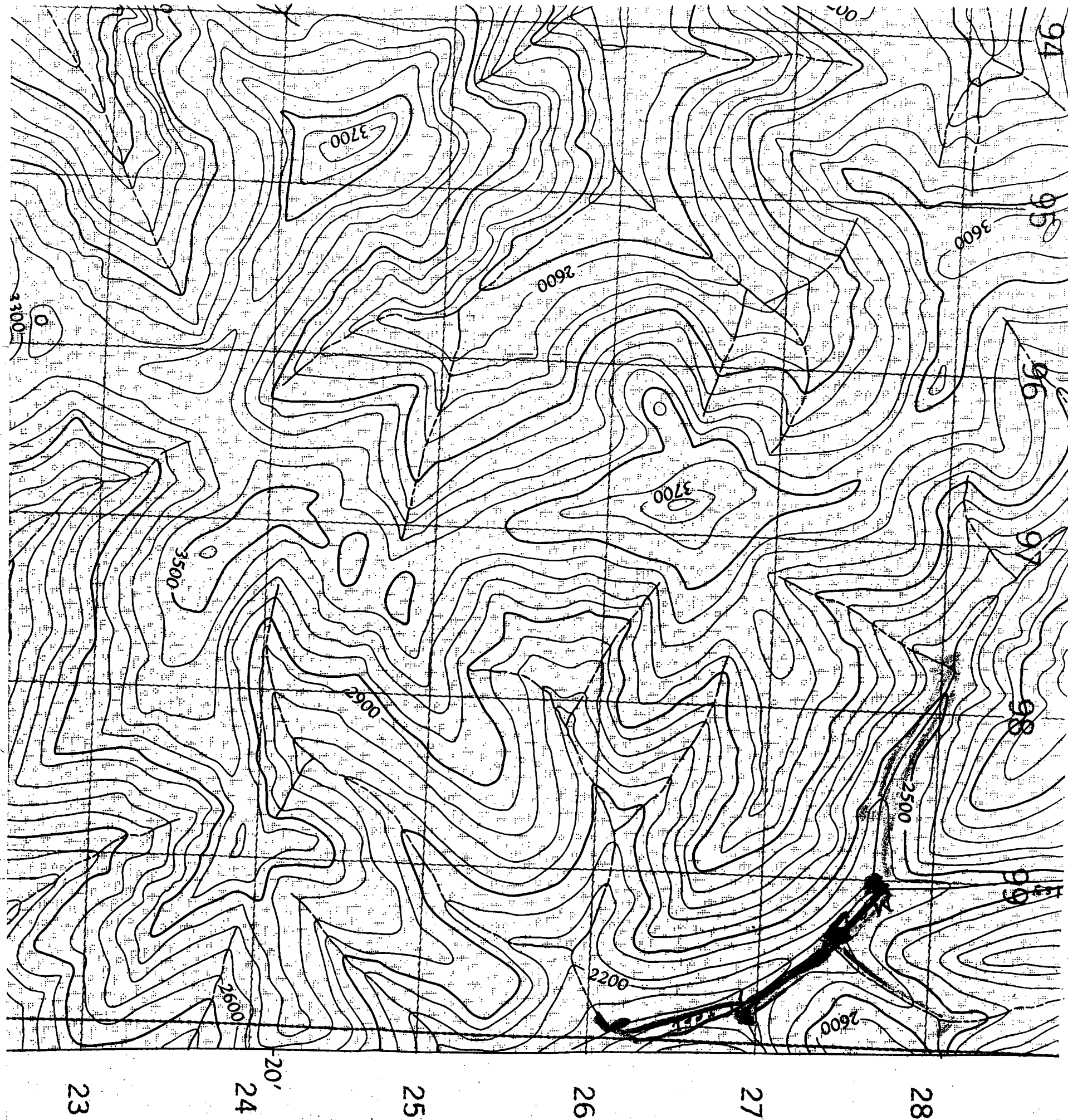
7 sept 1999

8 sept 1999

9 sept 1999

10 sept 1999

11 sept 1999



12
SEPT 1999



samples took a
long time to get

HC Creek +
mausey may "
= very
clean + near
operations

hard to get sample
MMC12 - grit = 1/4"
- rough trail?
- hard to get
a good sample
- very bushy
Creek!

MMC PAN12
MMC12

MMC11
MMC PAN11

at ▲ = tent
+ welder
at bridge
+ ribbon

MMC11 - grit to 4"

- good water
- good road to bldg + gear + sluice
- after = ?
- relief relatively low here
- more black sand

N

Last 2 mornings
woke up by
migrating geese
in the V
formation

at top
= very
low relief
around streams

MMC13
MMC PAN13

more
+ grit up to 3"
most grit

V3
SEPT 1999

#1
at 36141
#2 36140

grit up to
601 420 1/2"
swampy
900+ Bushy

MMC K4
MMC PAN
825 sand 14
3000 up

cat =
stripper
up to
740
0.50

starts later
trail
40 cat ends
870

700

600

610 pump

570 end pushup

490 top place
mine

steep L

335 = sluice

275 = Bldg

15 = MMC11

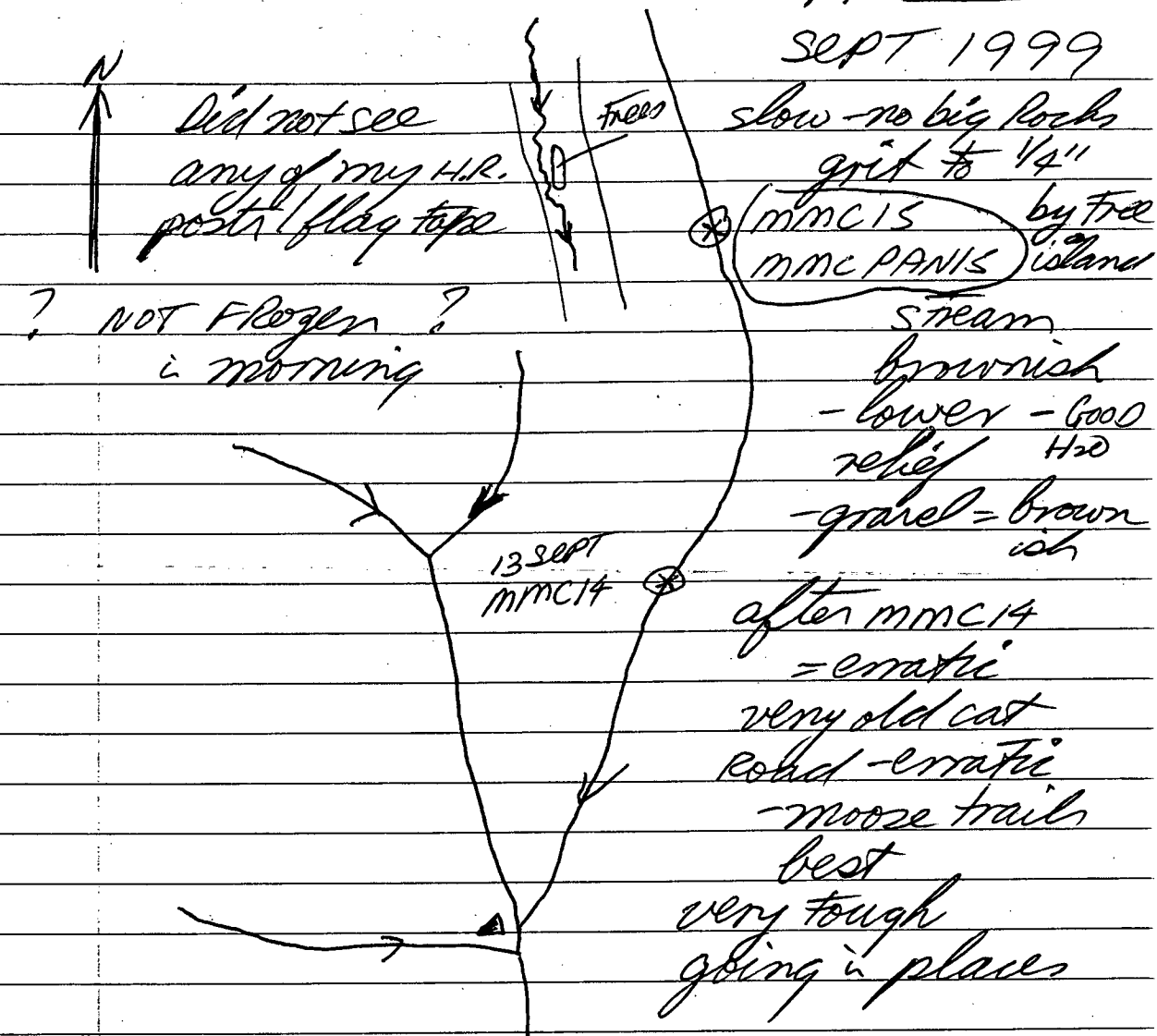
0 = Bottom
st

At 8⁰⁰ PM or so
out came the mine
inspector

- bridge washout happened
in August - 2-3 days
of rain

- 4 years, no mining in lower part
lot left - Jerry / WH
- HS kids
- wants to spend
time / them

- camp ~~to~~ below - lot of gear
+ equip.
- nice log house
- barriers to protect
them, I guess.
+ washouts, too!



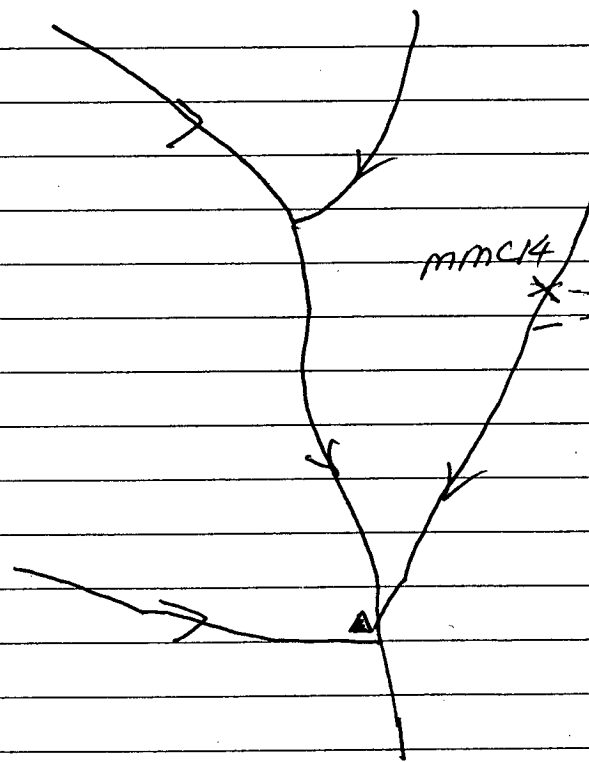
Rough going at times
Rained bit - I am a little damp
now

15
SEPT 1999

N
↑

saw 2 hunters
Dennis Borbonier (WH)
REMP was one
gave some good
tips on area to them

NASTY WALK
DEADFALLS
from BURN.



E DIR.
walked good
H2O
⊗ mmc16
mmc
PAN16
grit to
1/2"
some
big rocks
below

got soaked
1 leg
= cold water

16
SEPT 1999

Did not go out.

No frost in am

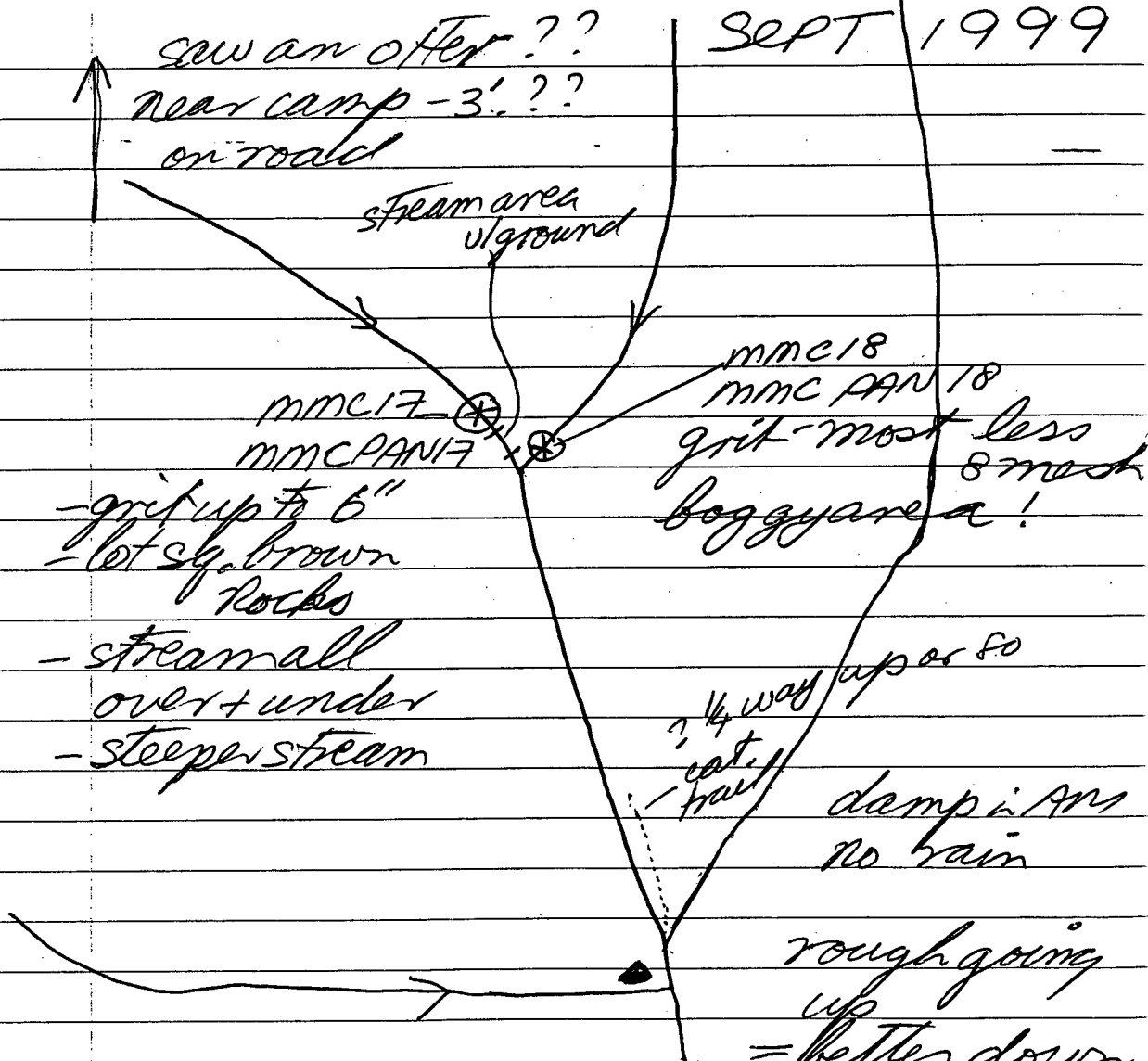
Rained last nite + on + off
today

14 days no break / tired out!

saw 2 / truck / 4 wheelers
go by at about 6 PM

17

SEPT 1999



Both good water
pulled a muskie
now in rock / shoulder

back + hip seem healed now!

I am an old fart, I guess!

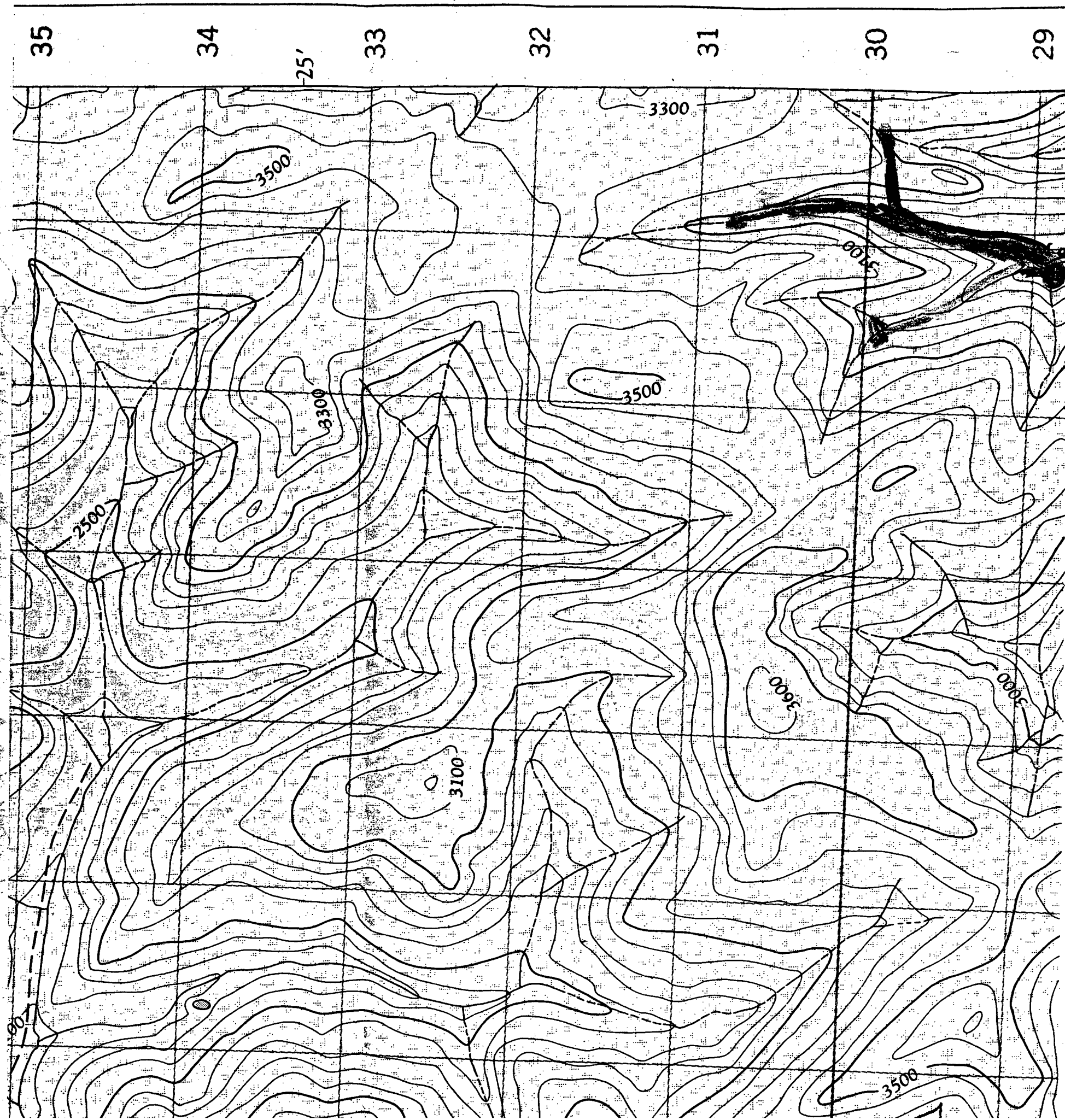
12 SEPT 1999

13 SEPT 1999

14 SEPT 1999

15 SEPT 1999

17 SEPT 1999



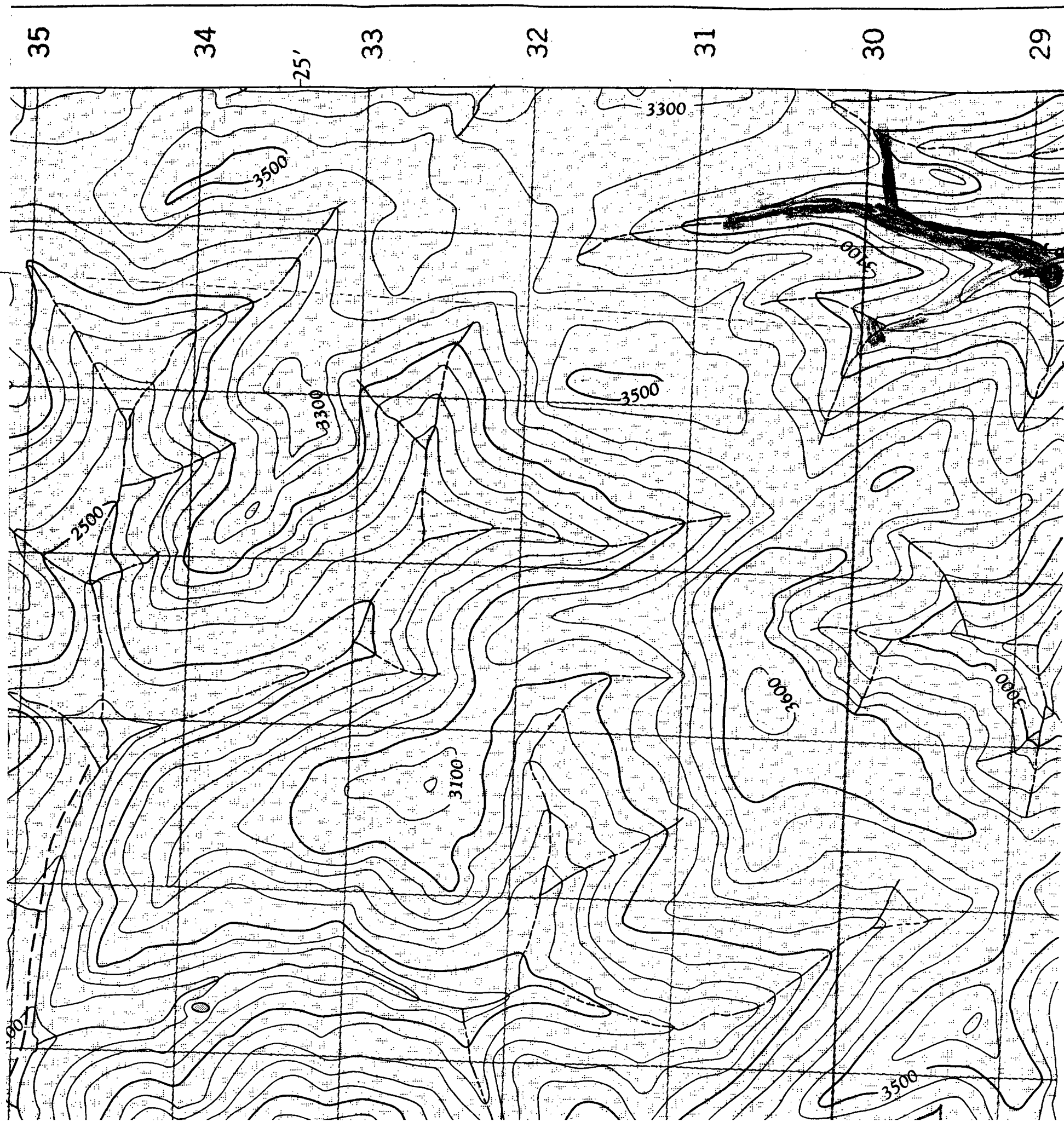
12 SEPT 1999

13 SEPT 1999

14 SEPT 1999

15 SEPT 1999

17 SEPT 1999

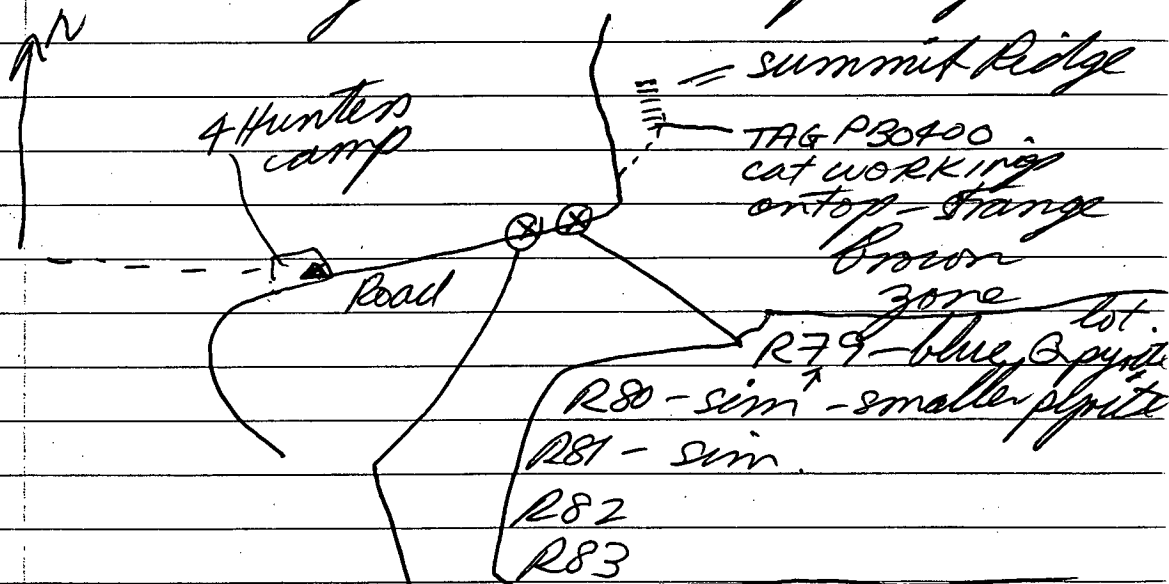


18

~~Aug~~ Sept 1999

Drove all ^{over} roads - checked out a

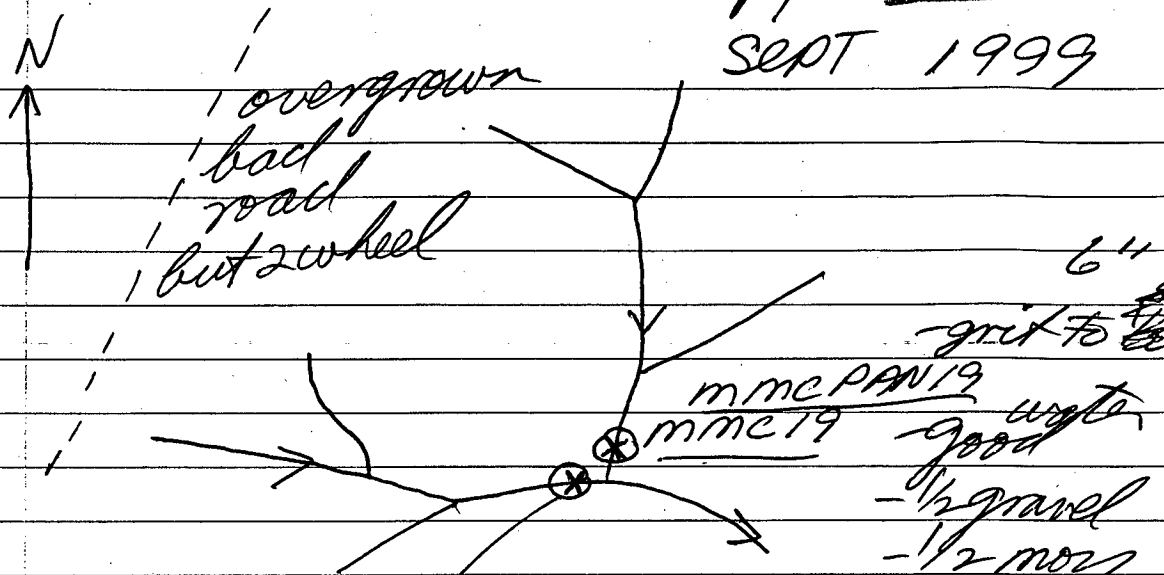
few outcrops - over to TENDERFOOT -
moosehorn way. Not sure where I was
so did not get silt samples yet.



walked from ▲ to summit ridge

- Q - limonite
- R84 - holes + black zones
- R85
- R86 int Q / cutting
- R87 complex / sulphides
- R88 - heavy silicified rock + complex

19 ~~SEPT~~ 1999



mmc20 - grit to 2"
 mmc PAN20 - 1/2 moss
 - 1/2 gravel

walk down easy = 1 hour
 back = 2 3/4 hour

but went wrong way

tried to find good moose trail
 could not!

exhausted after day 30-800
 - felt longer!

20
SEPT 1999

Did not go out.

AM - bit rain
good day after 11⁰⁰

TIRED OUT, BACK SORE and

last day will be 1 hour down
3 hour up
+ 4 hours tilt

need to be feeling
much better

4 Hunters left at about 10/11 am
(WH) no moose

with 72 hours 1 site
I have now spent 44 samples time

or about 88 hours +
in cold water

my hands last nite
were a little numb!

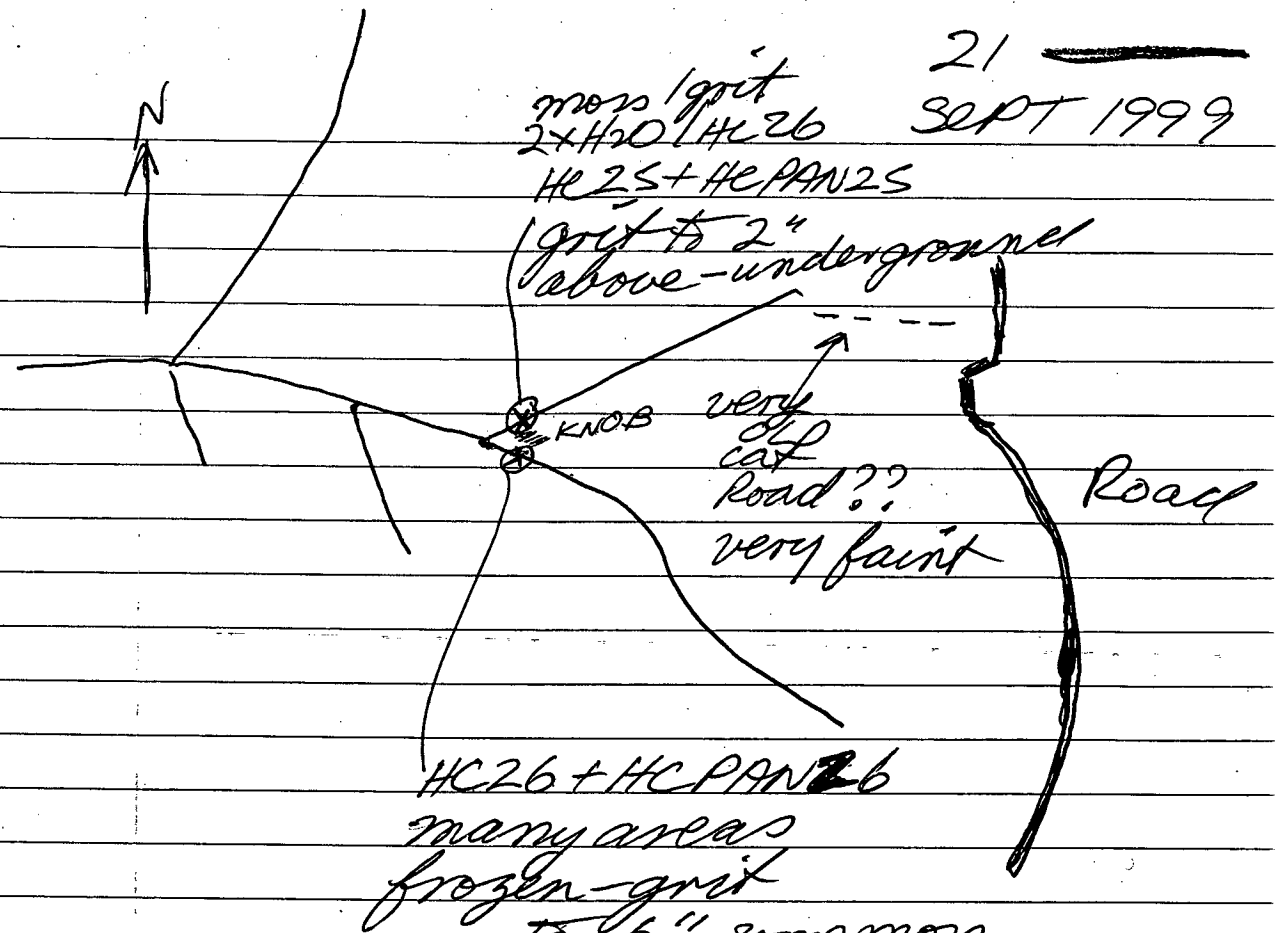
I feel trip was a success

- 34 days here - 1 day - 2 bear incidents
= 1 injury
= 4 camp days (weather)
= 29 days prospecting

went out in some very
bad weather
+ came back in even
worse weather

saw Russian ^{gmc} Sub. on road
- no plates
- moved to side
by a machine
(cat ??)

Bruce Louan - saw on road after
- gave ^{gmc} Sub. to Joel White
- side creeks too steep
to form good places
eg. Moosehorn
Golden Gate etc
- Leroy Olenyok
bought Russians
placer claims



down left at 11³⁰ - arrived at 12⁰⁰ 30 min

back 5⁴⁵ - 6⁵⁵ HK 10 min (almost
made very good time
no trails

- surprised me a lot
now camped at Black Hills Cr.

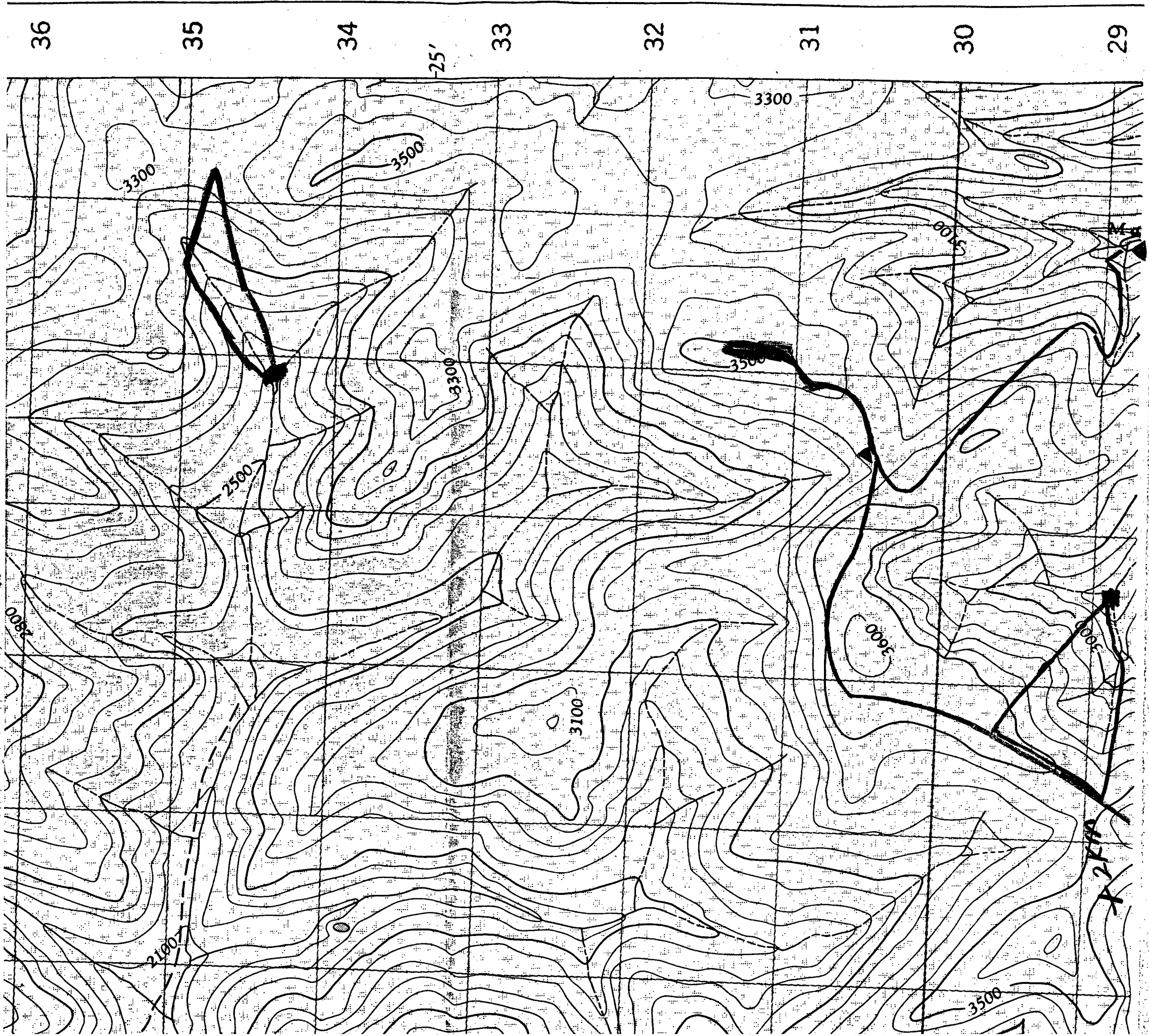
Back + shoulder feel better ^{now}

Spent 46 sicks / about
+ pan + 100 hours
in the crates!!

18 Sept 1999

19 Sept 1999

21 Sept 1999



not 22
SEPT

22
SEPT 1999

215,400 in Dawson city

I thought it was wednesday

Bar, Ken said Tuesday

* all my days/calendar
match

my gas bill / aug 1/18/99

written by hand
probably was
aug 1/17/99.

so all days up 1 day
by error!!!!

Mike Glynn

K96 placers

met at town

on YMIP

program + target evaluation

supper horn

bar (has been in area)

he seemed quite interested in volcanic rocks in area

no mining done masey may

1999 winter

nickel (vigant) (good rep. in area)

NB

steep slope

30' deep shaft

good coarse gold

+ quartz attached

also Tom Morgan

mines on

Tenderfoot cr + grub stake cr? in area

also talked to Robert Truswell about Brown/Spum cr access, future, op. etc all ops lost money epoxide spotty Hg shallow, rough success fine gold

next day got a small gold sample of m/m or (Rick Fitch) In town + got some nice data

23

SEPT 1999.

!!AN EVERY TRANSPORT - went to work

about bridge + ideas

motor may be lost

mouth of masey may cr

= May Farm - pre 1896

- lot of blg - potatoe field

- large farm - now

- mostly m/m

RICK FITCH - friendly

nice guy - lot of ideas

only old Timen was

beach across from

airport at Patton gulch

- op - x much black sand

- no schelite

- no tin drilled

flat + shallow

good values in

wide meadow

hematite cubes

+ 2 sinabar

3 boulders

deep, 20' or so

in canyon

low grade

3-4 + nuggets

steep

+ boulders

bottom claim line lot garnets + Rubystones in sluice

under with pan

gravel no gold

20' mud

Back be

test

1958 - 1st recent

history

- test shaft

every 3 claim

= all had gold

25

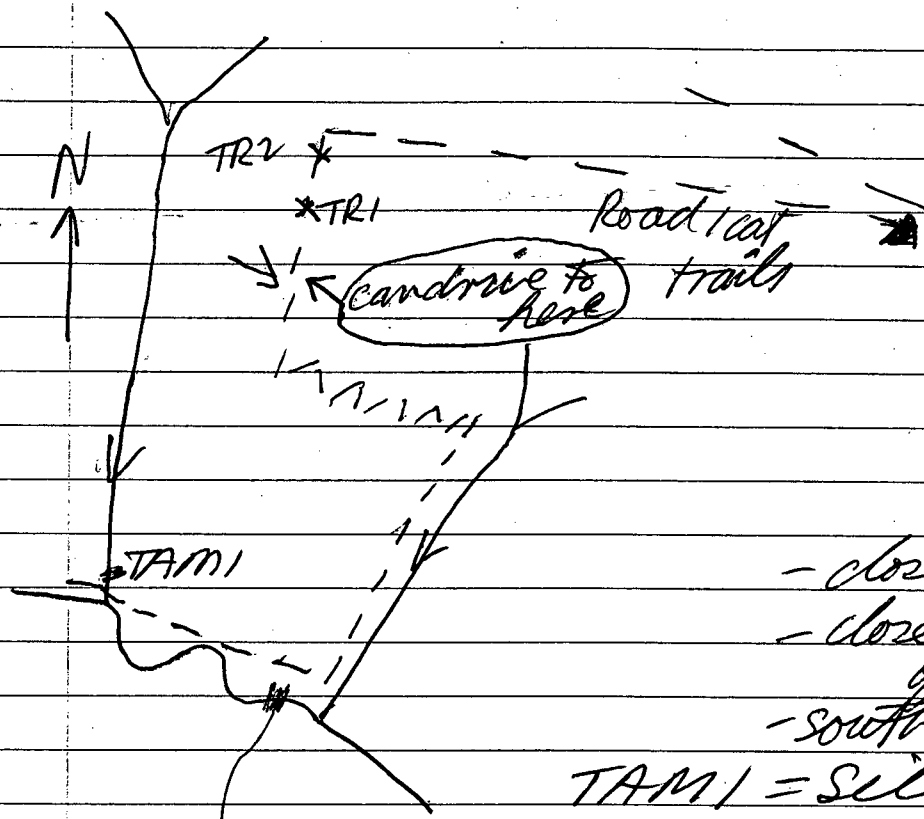
SEPT 1999

out to TAM claims.

Left DL - 215,500 Km

now at 8⁰⁰pm or so - little
baby snow
some puddles - frozen
- some not

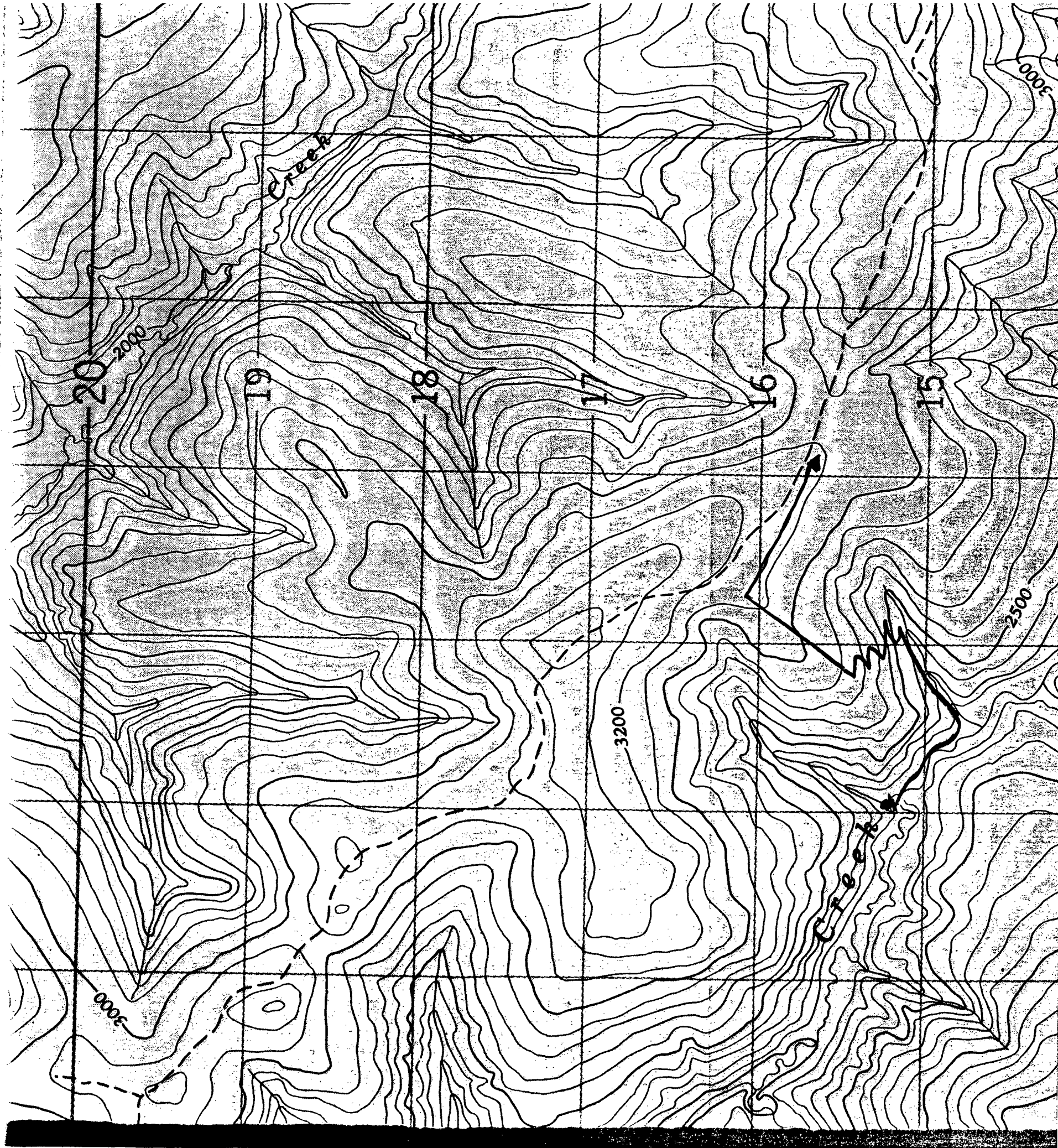
26 ———
SEPT 1999



OLD
MINING
OR
TESTS

place Av
- close to end of
- close to 00's vein
of thrust F
- south drainage
TAM1 = SILT
= moss frozen
= grit to 6"
+ TAM Pan 1
pan core

Cold windy day
rite insulated boot now
has leak
Road quite steep
not drivable
past → ←
1000' drop to TAM1



26 Sept 1999

27
SEPT 1999

Did not go out.

Lots of snow in AM
nite quite cold

now 6 or so
most has melted

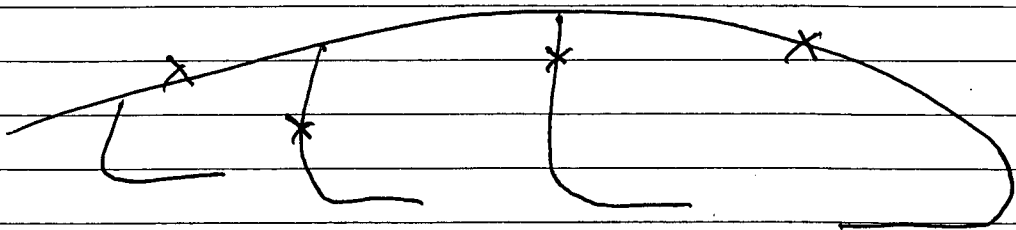
28

Sept 99

Got up early - lot of snow.
Little disturbed at rid / trap now.
at noon still snowing. No melt.

So left for A
- for safety reasons.

Had a talk with Fell Hawk
placer guy at M. Recorder
top on thrustle now.



Brewer Cr - constant pay
- just cover expenses
Dix pup / no gold C / no gold pay
Kirkman R good gold pay

29

SEPT 1999

9n Whitehorse.

216,377 back to WH

214,323 left

2,054 Round trip

Now 39 days + 1/2 day
prospecting

(99)

12 JUNE

BC1)
BC2) Bedrock

BC3 float

BC4 float

BC5 float

13 JUNE

BC6 float

BC7 "

ST1 silt

PC1 pan

ST2 silt

PC2 pan

ST3 silt

PC3 pan

ST4 silt

PC4 pan

14 JUNE

ST5 silt

PC5 pan

ST6 silt

PC6 pan

ST7 silt

PC7 pan

BC8 float

BC9 "

BC10 "

BC14 "

BC15 "

BC16 "

missed
a page ??

(99)

15 JUNE

ST8 silt 8

PC8 pan

ST9 silt 9

PC9 pan

ST10 silt 10

PC10 pan

BC11 float

BC12 "

BC13 "

BC17 "

BH1 float

BH2 Bedrock

BH3 float

BH4 float

Bedrock hill samples

16 JUNE

ST11 silt 11

PCX

ST12 silt 12

PC12 PAN

ST13 silt 13

PC13 PAN

BC18 float

BC19 "

BC20 "

17 JUNE

BC21 grab bag

1 Moss PC *
1 Below PC *

(99)

T11 Soil

T12 "

BC27 float

BC28 "

BC29 "

ST15 SILT

PC X 15

BC30 float

29 JUNE

R1 float

R2 "

R3 "

R4 "

R5 "

R6 "

R7 "

R8 "

R9 "

R10 "

R11 "

R12 "

30 JUNE

R13 float

R14 "

R15 "

R16 "

R17 "

R18 "

R19 "

R20 "

(99)

18 JUNE

BC22 float

BC23 "

BC24 "

BC25 "

BC26 "

19 JUNE

S1 Soil

S2 "

S3 "

S4 "

S5 "

S6 "

S7 "

S8 "

S9 "

S10 "

ST14 SILT

PC X PAN 14

21 JUNE

T1 Soil

T2 "

T3 "

T4 "

T5 "

T6 "

T7 "

T8 "

T9 "

T10 "

(99)

R46 "
R47 "
R48 "
R49 "

7 JULY

R50 float

R51 "

8 JULY

R52 grab bag

R53 " "

19 ~~JULY~~ AUGUST

HC1 silt

HC PAN1 pan conc

HC2 silt

HC PAN2 pan conc.

20 AUGUST

HC3 silt

HC PAN3 pan conc

HC4 silt

HC PAN4 pan conc

R54 float

R55 "

R56 "

21 August

HC5 silt

HC PAN5 pan conc

(99)

R21 float

1 JULY

R22 float

4 JULY

R23 Bedrock geology sample

5 JULY

R24 float

R25 float

6 JULY

R26 float

R27 "

R28 "

R29 "

R30 "

R31 "

R32 "

R33 "

R34 "

R35 "

R36 "

R37 "

R38 "

R39 "

R40 "

R41 "

R42 "

R43 "

R44 "

R45 "

(99)

R67 float

30 AUG

HC13 silt

HCPAN13 pan conc.

HC14 silt

HCPAN14 pan conc.

31 AUG

HC15 silt

(99)

HC6 silt

HCPAN6 pan conc

22 AUG

R57 float

R58 "

R59 "

R60 "

26 AUG

(99)

MMC 6 silt

MMC Pan 6 pan conc.

10 Sept

MMC 7 silt

MMC Pan 7 pan conc.

MMC 8 silt

MMC PAN 8 pan conc.

11 Sept

MMC 9 silt

MMC PAN 9 pan conc.

MMC 10 silt

MMC PAN 10 pan conc.

12 Sept

MMC 11 silt

MMC PAN 11 pan conc.

MMC 12 silt

MMC PAN 12 pan conc.

13 Sept

MMC 13 silt

MMC PAN 13 pan conc.

MMC 14 silt

MMC PAN 14 pan conc.

14 Sept

MMC 15 silt

MMC Pan 15 pan conc.

15 Sept

MMC 16 silt

MMC PAN 16 pan conc.

(99)

5 Sept

HC 23 silt

He PAN 23 pan conc.

HC 24 silt

He PAN 24 pan conc.

6 Sept

R70 grab bag

R71 float

MMC 1 silt

MMC PAN 1 pan conc.

7 Sept

MMC 2 silt

MMC PAN 2 pan conc.

MMC 3 silt

MMC PAN 3 pan conc.

R72 float

8 Sept

MMC 4 silt

MMC PAN 4 pan conc.

R73 float

R74

R75

R76

R77

1 meter of fault / gouges.
section

R78 grab of (R74-77)

9 Sept

MMC 5 silt

MMC Pan 5 pan conc.

(99)

26 Sept
TAN 1 silt
TAN PAN 1 pan conc
TR 1 float
TR 2 "

(99)

17 Sept
mmC17 silt
mmCpan17 pan conc.
mmC18 silt
mmCpan18 pan conc.

18 Sept
R79 float
R80 "
R81 "
R82 "
R83 "
R84 "
R85 "
R86 "
R87 "
R88 "

19 Sept
mmC19 silt
mmCpan19 pan conc
mmC20 silt
mmCpan20 pan conc.

21 Sept
HC25 silt
HCpan25 pan conc
HC26 silt
HCpan26 pan conc.