SUMMARY REPORT

PROSPECTING IN THE LITTLE ATLIN LAKE AREA
105D/01

Donald B Loehndorf

YMIP 93-048

TECHNICAL REPORT (SUMMARY)

A. HARDROCK - Forays into the hardrock zone to the south of the North fork were totally inadequate. Not enough time was alotted to prospecting the area in a thorough manner due to the priority of the placer. As stated in log book, extreme difficulty was encountered in even identifying local rock, let alone any form of mineralization, due to the intense growth of a reddish-brown algae over everything

However, due to perceverence and much chipping, several samples were found of notable worth, as stated (Hardrock results sheet), as well as a small gossan of high-grade iron ore. I also note that in my years prospecting, I've never worked in an area of such extremely severe alteration. Some samples I brought in for geological evaluation proved unidentifiable by geologists. They identified a bit of this and that etc, but couldn't put any name on the mass of the sample.

In my opinion, the area requires a whole season of hard-nosed prospecting with no other priorities. Traverses must be made much further to the south and east, and must be done in a light, grid-like pattern with much sample chipping

I base this opinion on the following:

(a) the geological setting is correct, 2 finds in the area already prove this

(b) neither of these two prospects were responsible for the enrichment of placer gold and platinum in the North Fork The ice moved in the wrong direction

(c) wear on gold flakes found, suggest being moved possibly a mile or more by glaciation advance. The extremely high-grade glacial till in several areas of creek (up to ¼ gram gold in 1 pan) are undeniable proof that quality outcrops or veins exist off to the south-east

LOG PAGE

HARDROCK TRAVERSES, DATES RESULTS

#1 ① MAY 11/93 - NORTH SIDE OF LOWER NORTH FORK - STRINGER VEINS OF QUART OVER ABOUT 50 SQ YARD AREA - FOUND LATE IN DAY - WARRANTS SECOND LOOK

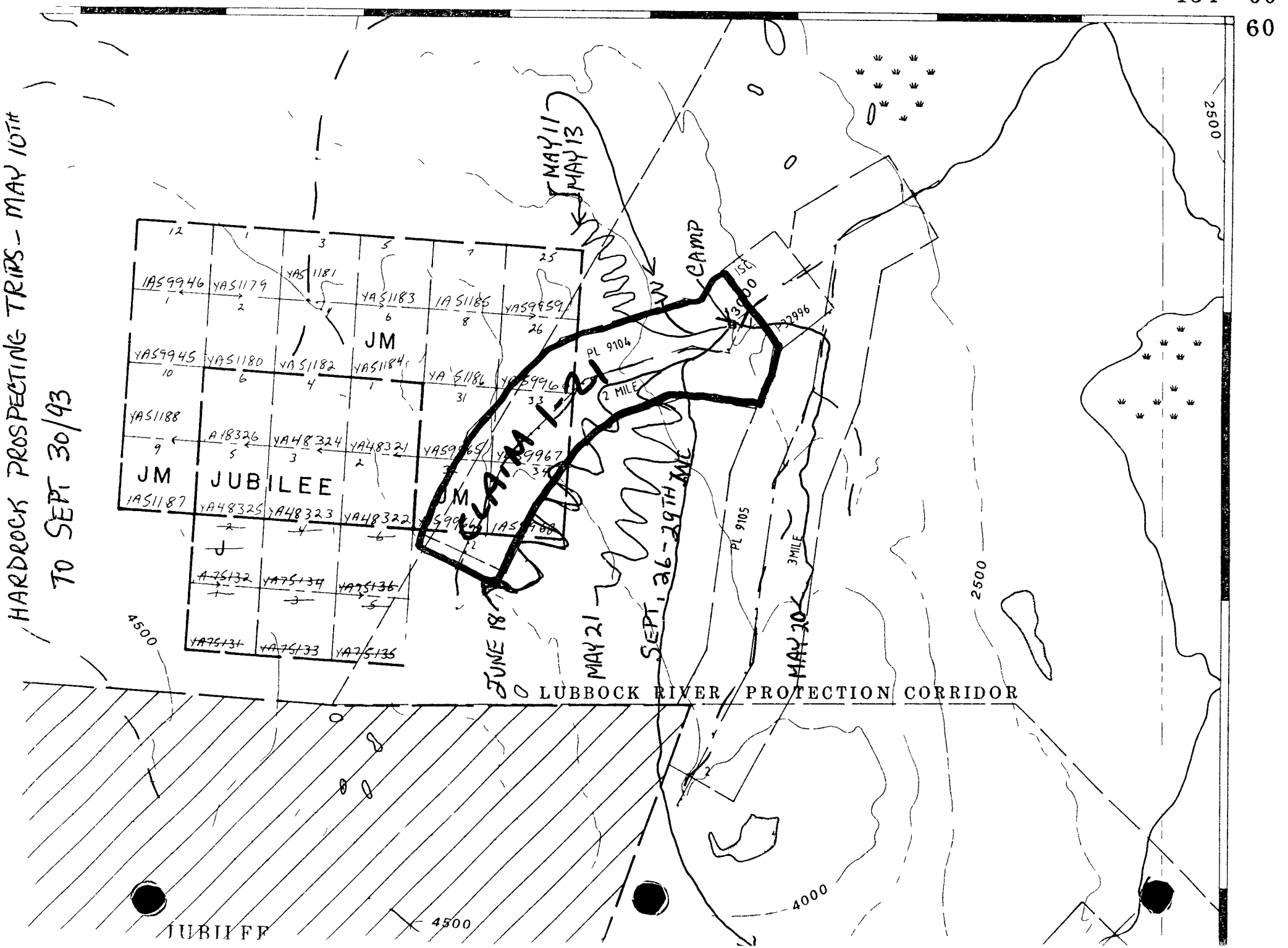
#3 ② MAY 13/93 - SAME AREA AS ABOVE BUT FURTHER NORTH AND WEST - MINOR STRINGER QUARTZ VEINS OVER LARGER AREA - QUARTZ IS MILKY TO GREYISH, SOME CALCITE WITH GRAPHITE HERE AND THERE - SEVERAL SAMPLES BORE TURQUOISE STAIN/COPPER AND MINOR VISIBLE GOLD WITH LOOP. WHY NO ASSAYS

#8 ③ MAY 20/93 - S E SIDE OF SOUTH FORK - MINOR QUARTZ VEINS - ONE SAMPLE WITH MINOR STIBNITES OR GALENA - VERY SMALL NUGGET OF NATIVE COPPER

#9 ④ MAY 21/93 - AREA BETWEEN SOUTH AND NORTH FORKS OF CREEK - NOTHING MUCH OF INTEREST - AREA VERY ROUGH AND SHEARED - A LOT OF CHLORITES AND SCHISTIOSE POCKETS AND VEINS THROUGH HOST ROCK OF HIGHLY ALTERED SERPENTINE/LIME STONE

#15 ⑤ JUNE 18/93 - SAME GENERAL AREA AS ABOVE, BUT MORE TO SOUTH WEST, AND A BIT FURTHER AFEILD - NOTHING OF NOTEABLE INTEREST AS ABOVE, EXCEPT ON RETURN DISCOVERED SMALL GOSSAN OF QUITE HI-GRADE IRON ORE.

#30 ⑥ SEPT 26-29th inc - MADE FOUR TRAVERSES THROUGH AREA BETWEEN FORKS TO SOUTH, VARYING ROUTE ENOUGH EACH DAY TO COVER NEW GROUND, BUT BASICALLY USING SAME ROUTE - ENDING UP ON FINAL DAY PAST HEADWATERS OF SOUTH FORK - RESULTS NOT TOO ASTONISHING - ABOUT A DOZEN SAMPLES SOME QUITE MINERALIZED BUT VERY ALTERED


HARDROCK PROSPECTING TRIPS - MAY 10TH TO SEPT 30/93
JM
JUBILEE
JM
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YAS9946
YAS1179
YAS1181
YAS1183
IAS1186
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A18326
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YA48322
A-76132
YA76134
YA76136
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YA76133
YA76135
CAMP
CLAIM 1-24
PL 9104
PL 9105
2 MILE
3 MILE
MAY 11
MAY 13
JUNE 18
MAY 21
SEPT. 26-29TH INC
MAY 30
LUBBOCK RIVER PROTECTION CORRIDOR
2500
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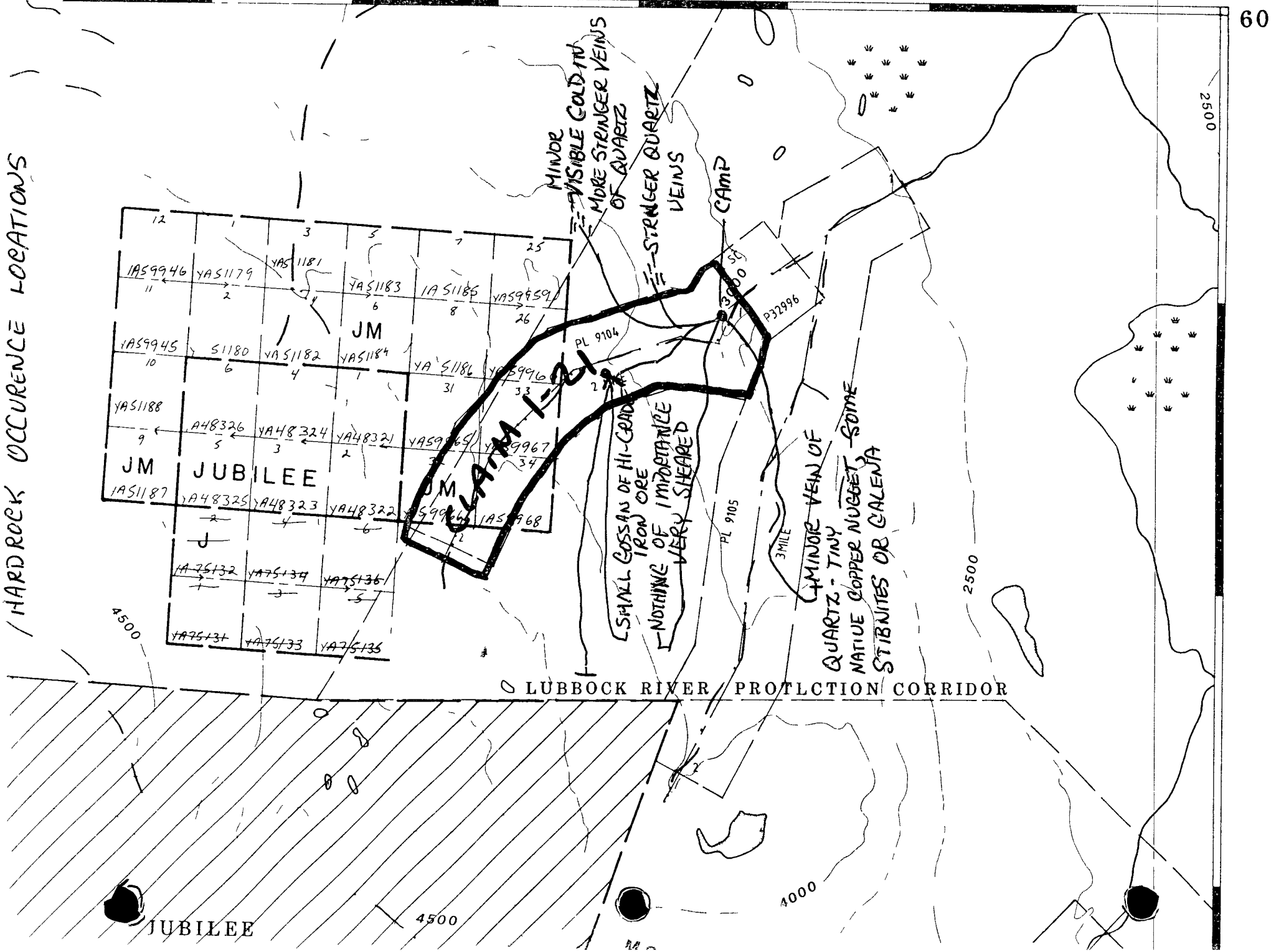

HARD ROCK OCCURENCE LOCATIONS
MINOR VISIBLE GOLD IN MORE STRINGER VEINS OF QUARTZ
STRINGER QUARTZ VEINS
CAMP
SMALL GOSSAN OF HI-GRADE IRON ORE
NOTHING OF IMPORTANCE VERY SHEARED
4 MINOR VEIN OF QUARTZ - TINY NATIVE COPPER NUGGET SOME STIBNITES OR GALENA
LUBBOCK RIVER PROTLCTION CORRIDOR
JUBILEE
JM
JUBILEE
SYAM 1-21
PL 9104
PL 9105
P32996
3MILE
2500
4500
4000

TECHNICAL REPORT (SUMMARY)

B. PLACER –

Placer testing conducted on the two forks of creek concluded with a mixed bag of results

(1) SOUTH FORK (LEASE # 9105) Results here proved totally inconclusive Two test holes dug here, both were quite low grade – I suppose this isn't unusual as they were fairly close together, maybe ¼ mile apart. The first pit was 11' deep before water flooded hole. Three tests of 1 cubic yard of gravel (Till) yeilded about the same results (¼ gram gold per cu yd) Only 2 tests of 1 cubic yd were conducted on second pit, one from top 3' of depth yeilded .04 gram – first test from last 3' of depth " .335 " gold second test

(2) NORTH FORK (LEASE #9104) Due to the tough terrain and bush, moving camps was very difficult Therefore we only did it once, to the south fork, then back to North fork Being handier to our access trail as well as proposed road route, we gave the North fork priority. We dug 3 test pits here. The depth of holes were as follows – first hole 4'
second " 12'
third 8'6"
Water forced the abandonment of all test holes
A 2 cubic yd test on pit #1 yeilded ¼ gram per yd
Two one cubic yard tests pit #2 " ⅛ " " "
The best results came from pit #3 which yeilded on 4 tests the following

#1 – .72 gram	#3 – .63 gram
#2 – 1.05 "	#4 – .5 "

All above tests were 1 cubic yd

I suppose the only conclusive test results we had was the fact that all the glacial till in this small valley is gold bearing in lesser and greater amounts. The creek gravels

where we cut through while sitting down, proved low grade, but these were tested only near the surface Panning in the upper canyon (bottleneck) and in upper reaches of creek yielded extremely hi-grade pans (one pan yielded ¼ gram of gold)

What I've seen so far has convinced me that the high grade pay will lie at or near the bedrock, at the base of a washed Creek gravel corridor, which incised down through 3 levels of gold bearing glacial till, deposited by 3 ice ages

I suspect that a goodly amount of glacial till was washed, freeing the gold and washing it down into the Corridor of the Creek, especially when each ice-cap receded and great amounts of meltwater was prevalent.

It is unfortunate that all this couldn't have been proved by the summers work, but underground water denied us achieving bedrock or even close to it

However the hard work of the summer has not been a waste, and test results are what determined breaking up of the lease into placer claims. Much more testing will be required yet, but thanks to the YMIP I was able to test all summer on an ongoing basis which the above is a direct result of. The plan doesn't by any means cover all expenses incurred, but does as its designed to, take the 'sting' out of undergoing exploration.

LOG PAGE #

PLACER TEST RESULTS, TRAVERSES, DATES

#2 MAY 12/93 - PANNED LOWER NORTH FORK - SOME COLOR - BOTH GOLD AND PLATINUM

#3 MAY 14/93 - PANNED ABOVE LOWER CANYON - SIMILAR RESULTS

#4 MAY 15/93 - PANNED FURTHER UP (CLOSE TO MIDWAY ON NORTH FORK) - EXTREMELY HI-GRADE PAN TAKEN IN BOTTLENECK (WHERE WALLS COME TOGETHER)

#7 MAY 19/93 - PANNED LOWER SOUTH FORK - SOME COLOR WITH PLATINUM

#11 JUNE 2, 3, 4TH - TEST PIT #1 - 4' ONLY IN DEPTH - FLOODED OUT - 1 TEST OF 2 CUBIC YDS YEILDED ½ gram gold

#12 JUNE 5TH - ~~30TH~~ INC - TEST PIT #2 - 12' DEPTH - FLOODED OUT EVENTUALLY - TEST FROM UPPER LAYER OF TILL YEILDED .13 Gm GOLD FROM 1 CUBIC YD - RAN SECOND TEST FROM SEAM OF WASHED GRAVELS UNDER UPPER TILL AT .04 Gm GOLD FOR 1 CU YD - SECOND LAYER DOWN OF TILL TESTED AT .5 GRAM GOLD FOR 1 CU YD - WASHED GRAVELS UNDER IT TESTED AT .22 GRAM FOR 1 CU YD

#19 JUNE 27/93 - PANNED SOUTH FORK - VERY GOOD PAN TAKEN FROM BASE OF ROCKY BLUFF ON S.E. SIDE OF CREEK

#21 JULY 3 - 10TH - TEST PIT #3 - SOUTH FORK - 11'6" DEPTH - FLOODED OUT JULY 10th - 3 1 CU YD TESTS CONDUCTED AT 3' INTERVALS OF DEPTH DOWN TO 9' LEVEL - POOR RESULTS AS FOLLOWS:

TOP 3' TILL	-	.25 GRAM GOLD
MIDDLE 3' "	-	.29 " "
LOWER 3' "	-	.27 " "

HIT GRAVEL AT 11'6" DEPTH - ALSO WATER - SEVERAL PANS ONLY TAKEN FROM BOTTOM GRAVELS BEFORE FLOOD-OUT CONTAINED GOOD COLOUR

#21 JULY 11 - 21ST - TEST PIT #4 - 11' DEPTH - ON SOUTH FORK - FLOODED OUT WHEN HIT RUSTY GRAVELS - ONE PAN ONLY FROM BOTTOM GRAVELS WAS VERY GOOD - TWO 1 CU YD TESTS CONDUCTED ONLY,

WITH RESULTS AS FOLLOWS:

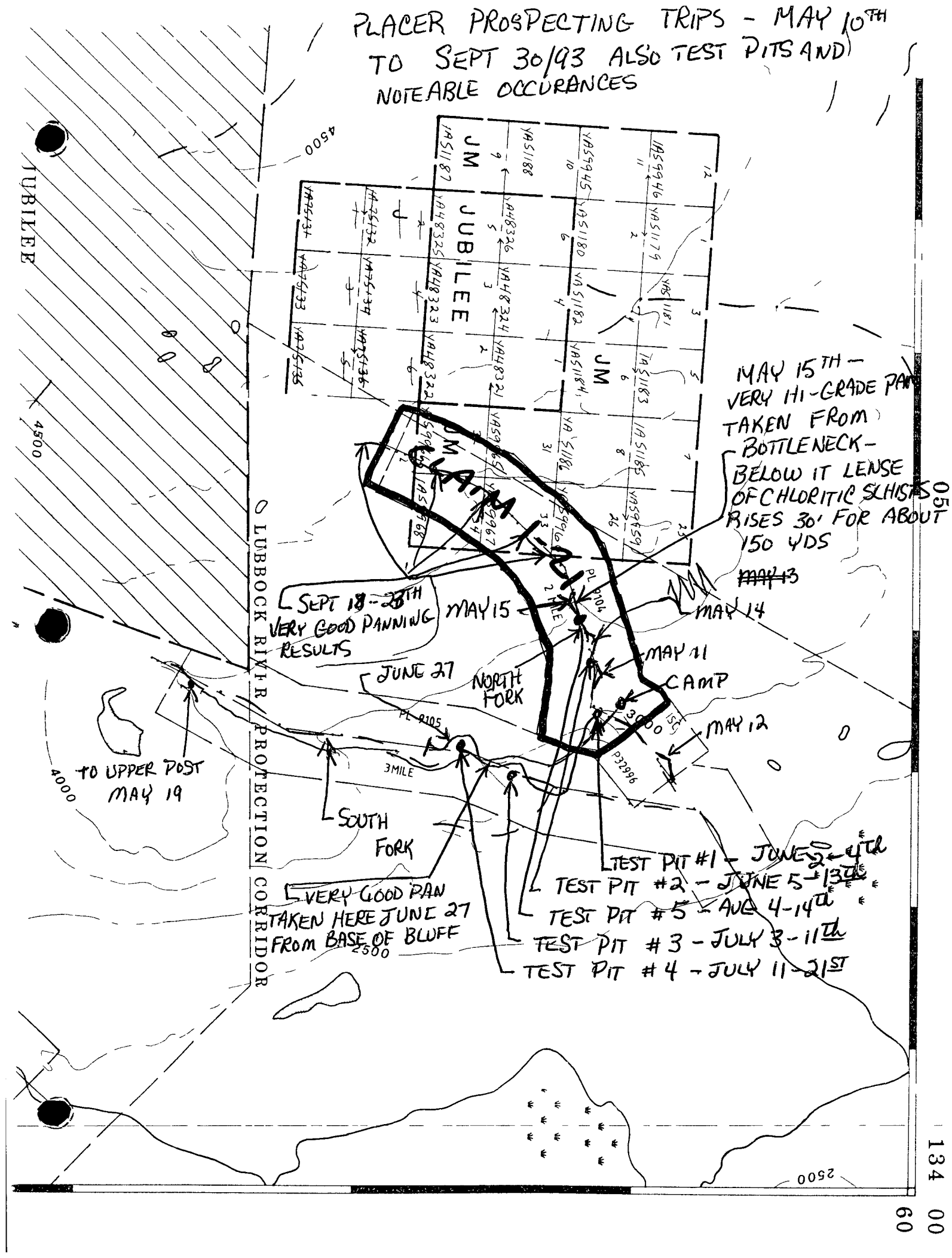
TOP 3' DEPTH - .04 GRAM GOLD (VERY POOR)
BOTTOM 3' OF ✓ - .335 ✓ ✓

#24 JULY 23 - AUG 14th - TEST PIT #5 - NORTH FORK - DEPTH 13.5' FLOODED OUT - 4 TESTS OF 1 CU YD CONDUCTED WITH FOLLOWING RESULTS:

1ST 3' OF DEPTH	-	.72	GRAM GOLD
2ND ✓ ✓ ✓	-	1.05	✓ ✓
3rd ✓ ✓ ✓	-	.63	✓ ✓
4th ✓ ✓ ✓	-	.59	✓ ✓

GOLD IN ALL TESTS WEIGHED BY ELECTRONIC MICRO SCALE
THIS PIT HAD BEST OF ALL RESULTS, WITH VIABILITY MINING GLACIAL TILL ONLY HERE

#29 SEPT 18 - 23rd - SPENT THIS TIME EVALUATING UPPER REACHES OF CREEK (BOULDERY AREA APPROX 1/3 MILE) ALL PANNING SAMPLES TAKEN FROM UNDER CREEK BOULDERS WHICH HAD TO BE PRIED OUT ABOUT 10 SAMPLES PER DAY PANNED WITH RESULTS FROM MEDIUM TO EXTREMELY HI-GRADE - ONE PAN TAKEN TESTED AT .25 GRAM GOLD - IT WAS THE MOST NOTEABLE AND THE ONLY ONE WEIGHED


PLACER PROSPECTING TRIPS - MAY 10TH TO SEPT 30/93 ALSO TEST PITS AND NOTEABLE OCCURANCES
JUBILEE
JM
JUBILEE
4500
4000
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MAY 15TH - VERY HI-GRADE PAN TAKEN FROM BOTTLENECK - BELOW IT LENSE OF CHLORITIC SCHISTS RISES 30' FOR ABOUT 150 YDS
MAY 13
MAY 14
MAY 15
SEPT 18-28TH VERY GOOD PANNING RESULTS
MAY 11
CAMP
JUNE 27
NORTH FORK
MAY 12
TO UPPER POST MAY 19
SOUTH FORK
VERY GOOD PAN TAKEN HERE JUNE 27 FROM BASE OF BLUFF
TEST PIT #1 - JUNE 2-4TH
TEST PIT #2 - JUNE 5-13TH
TEST PIT #5 - AUG 4-14TH
TEST PIT #3 - JULY 3-11TH
TEST PIT #4 - JULY 11-21ST
LUBBOCK RIVER PROTECTION CORRIDOR
3MILE
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P32996
134 00 60

LIST OF EXPENDITURES, RENTALS - W/RECEIPTS

8-WHEEL ARCO ATV	4 MONTHS	@	1200.00 Per Month	4800 00
POWER SAW	4 "	@	390 00 " "	1560 00
GEN. SET 5000 WATT	4 "	@	500 00 " "	2000 00
TEST PUMP/HOSES	4 "	@	250 00 " "	1000 00
				9360.00

G BILL - HELPER
68 DAYS @ 52 85 3593 80

ESTIMATED FUEL & LUBE COSTS FOR ABOVE EQUIPMENT
FOR 4 MONTHS (NO RECEIPTS) 500 00

Property Name Common JUBILEE Other

Location Lat 60 12' Long 134 06' NTS 105D/1

Metals Major Copper Minor Nickel

Type of Mineral Deposit Skarn

History and Previous Work

* Staked as AD, First Chance, Allin & Iron Mask cl (8568) in June/06 by
* A Dickson J Shermer and J M Stewart The property was sold to A B Palmer
* who added Douglas etc cl (9779) in June/07 performed hand trenching and claim
* surveys and took the claims to lease in 1910

Restaked as Rover & Smoky cl (65599) by J Johns and H Versluce in July/53 as JJ cl (Y9051) in July/66 by A Johns, and JM cl (Y18878) in June/67 by J Amato for R G Hilker and M Hougen, who added the Apollo cl (Y23893) in Feb/68 The property was explored with mapping, mag and EM surveys in 1968-69 by Lion Nickel M of Can L under option and was trenched in 1970 by the owners

Description

Mineralization is developed in a lens of Pennsylvanian-Permian limestone near the contact of a dunite body (Unit 6) Pyrrhotite with minor bornite and chalcopyrite occurs as narrow lenses in diopside-garnet-epidote skarn Geophysical work indicated no extensions Character samples assay up to 0 37 Cu and trace Ni, Au, Ag and Mo

References

M 312, p 142
Mineral Inventory Cards, EMR
Legal Survey Group Sheets, EMR

Canada

Yukon
Go ernment

Occurrence No 157

Property Name Common PENNYCOOK Other

Location Lat 60 14' Long 134 07' NTS 105D/1

Metals Major Gold Minor Silver Copper

Type of Mineral Deposit Vein

History and Previous Work

* This showing was probably staked and hand trenched as part of the Jubilee
* occurrence - 105D(1) in 1906-10 Restaked as Jubilee cl (YA48321) in Oct/79 by H Versluce who hand trenched in 1980 In 1981 Nithex EL optioned the claims, added J & M cl (YA59945) in April and explored with minor mapping and sampling and 6 holes (304 m) later in the year The property was reoptioned by Golden Slipper Res Inc and Logan ML which explored with VLF EM and geochemical surveys hand trenching and 12 holes (404 m) in 1982 and mapping and trenching in 1983 Golden Slipper changed its name to Napa Res Inc in
** 1983 After the option terminated Versluce performed geophysical and geochemical surveys in 1987

Description

The property is underlain by Cretaceous Taku Group andesite flows, pyroclasts and intercalated cherts that form a roof pendant above, or embayment into a large dunite intrusion Gold-bearing arsenopyrite occurs with chalcopyrite minor pyrrhotite and pyrite and predominantely quartz and calcite gangue in a 1 to 2 m wide vein and stockwork zone within a 10 to 25 m wide E-W trending vertically-dipping shear zone that has an indicated strike length exceeding 1600 m The average grade of seven trenches was 0 27 o/t Au, 0 8 o/t Ag and 1 0/ Cu across 1 5 m A length of 300 m was suggested by the EM and geochem anomalies Drilling showed that the mineralization is erratically distributed but locally more widespread than surface work indicated Only 4 of 18 holes cut significant intersections, the best coming from Hole J82-1 which averaged 0 02 o/t Au 0 2 o/t Ag and 0 35% Cu over 21 8 m Golden Slipper reported in 1983 that the average grade of seven trenches was 0 27 o/t Au, 1 0% Cu and 0 8 o/t Ag across 1 5 m

References

* YEG 1981, p 114 1983, pp 159-160
ER, Nov/82 by V Cukor for Logan ML and Golden Slipper Res L

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120 PAGES

Name/Nom DON LOEHNDORF - LOG

From/Du MAY 10/93 To/Au SEPT.30/93

93-048

Questions?
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Center Ruled / Ligne Médiane
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Monday May 10th/93 (1)

Proceeded in to ground from Ernie Smiths farm with Argo loaded. Trail was good for about half way in, then lost it in big swamp - proceeded overland toward creek - had to slash here and there but made the creek by 5:30 P.M. Setup tent and camp on rim of lower canyon, north fork. Weather good, but mosquitoes bad so retired to tent early.

Tues. May 11th/93 (2)

Traversed up creek seeking best route up, but underbrush & willows very thick. Did some panning in several spots, but water in creek very high with spring snow melt. Creek gravels get washed off shovel before you can get it out. Found several larger colors in ~~some~~ pans and one pan yielded a color about 1/8" long. Finally crawled out of canyon, noticing hardrock bluffs outcropping on north side of creek.

They continued up that side for maybe 300 yards, so poked around ~~around~~ a bit. Spotted many thin quartz veins, some slightly rusty and from milky yellow to gray in color. Didnt bring my chipping hammer along so couldnt get any real good samples, so will have to return another day. Returned to creek above lower canyon. Theres still quite a bit of snow up here on ground which prevents a good prospect of the area. Returned to camp around 3:30 P.M.

May 12th/93 (3)

Went downstream from camp, to locate bottom post. Slashed a narrow trail with axe, but willows so heavy down here, Decided to wait till cat gets here. Returned to camp and picked up shovel & pan and went back downstream to pan a few spots I'd noticed. Some of the bars and moss reveals colors of gold, but nothing real exciting although its looking very promising as every pan

has been off the surface and from above creek level. I've also noticed from 1 to 3 colors of what appears to be platinum in each pan. This excites me, as it adds to the values of creek. Returned to camp at 4:00 P.M.

May 13/93 (4)

Went back up on north side of creek to inspect rock bluffs. Chipped several samples from thin quartz veins. Several of them contained the typical Turquoise stain indicating copper or oxidation from it. Also traces of gold seen with loop. It is difficult to identify the quartz as whole area rock has a fungus growth which alters exterior appearance. There must be larger quartz veins around as a 3 foot boulder of it lies atop one of the bluffs. Didn't venture to far into bluffs as I must be close to staked ground, Maybe ½ mile further than yesterday.

May 14/93 (5)

Today looked for best route up creek

with cat. A pine ridge gently rises from south fork of creek over to lip of canyon by camp. Looks like best approach so walked over to south side and on up creek. Route is O.K. and parallels close to creek. Dropped down to creek above canyon. Here begins about ¼ mile of ~~valley~~ wider valley bottom. Although yet congested one could strip and mine here. Ran 6 or 8 pans of gravel with varying results. Snow here on creek bottom prevents good samples from being panned. Returned to camp 3:30

May 15/93 (6)

Determined to get further up creek today. Went same route as yesterday. At the top of the wider area post rock changes on South side of creek, and continues almost vertical down to creek for about 100 yards or so. Rock samples took for verification. Its a strange rock; dark green to almost black, very glassy

have to traverse to top of creek later.
(LENSE OF ROCK VERIFIED AS CHLORITIC SCHIST)

May 16/93 (7)

Rain clouds moved in overnight. Heavy rain by 9:00 AM. Rain off & on all day so stayed in camp, repaired generator set, power saw, and cut wood. (8)

May 17/93 Rained steady all day - camp is getting boring - tent and bedroll getting wet. Set up fly over cook area, cut some dry wood. Studied on canyon a bit. Suspect that canyon is a ~~fault~~ rift line. Walls all the way up are pretty well vertical except close to top where peices of rock have loosened and fallen, rounding out the creek bottom. Walls are about 25' high and bottom is only 15' to 20' across. This canyon was not wore down by water but is more like a fault or ~~crack~~ rift line, thrust open and apart.

Mo

May 18/93 (9)

Rain all A.M. It stopped by noon and looks as though it may improve. Flagged proposed trail on south side of creek up to above bottleneck - caught in rain returning to camp & arrived back soaked at 5:30 PM - intermittent rain balance of day.

May 19/93 (10)

Weather looks O.K. - some cloud yet but some sun. Decided on walking up south fork of creek. Have good view of it from camp. It looks as though the easiest access is up the creek. so set out with small power saw, pan & shovel encountered heavy brush & willows on lower reaches of valley, but made a way through with minimal sawing. Stopped and ran a pan off 1 small bar on creek - several small colors. Brush extends up fork further than anticipated - in places its a real jungle - finally midway up fork it starts to become more intermittant. Snow isn't as bad up

this fork as Creek Valley is wider & more open lying in South/North trend so gets more sun. Made close to upper post by 1:00 P.M. Panned several pans mixed results from nothing To good with some platinum here as well. Returned To Camp 6:00 P.M.

May 20/93 (11)

Scattered cloud this A.M. Decided to seek better route up lower half of south fork. To slash stake lines through the continuous jungle of willows would be very difficult. Crossed valley bottom above junction of the forks, onto pine ridge on S.E. side of fork - followed this up maybe a third of a mile. Was better going but here ridge peters out and trends into steep mountain slope down to valley bottom - not far enough up To escape the willows on bottom. Noticed outcrops of rock above so hiked up slope To them - maybe ¼ mile up. The rock proved typical of the area with minor quartz. One sample chipped from 2" vein was quite mineralized with a tiny nugget of native copper

as well as minor stibnites. This mountain rises fast here to a bald butte way up top - can't see any more outcrop, but pine is quite heavy above here. This area definately needs some serious prospecting up around top of dome, but didn't go further today as it started raining again - back at camp 4:00 P.M. soaked again!

May 21/93

Sky blue this A.M. - clouds way off to South. Spent morning getting bedding + camp dried out. Took afternoon hike up in area to south, between both creek forks. Area is quite sheared. It is hard to see much as rock outcrops are covered with reddish brown algae. Not too much of interest, although I intend to check this area much more. Returned to camp at 4:30 P.M.

May 22/93 (13)

Intermittent showers A.M. Have decided to break camp and go to town. At this point preliminary prospecting definately warrants me applying for a road access permit. Coming in via Moose Brook (existing road's end) its less than 5 miles. Serious testing on 5 miles of placer ground will definately require the help of equipment and possibly a man later on. Left camp in Argo and made the highway in 2 hours.

May 23/93 - in town - applied for land use permit for road - They don't see any problems getting it.

~~May 24/93~~

(14)

June 1/93 Spent 8 days in town - give the snow up creek a chance to melt a bit. Arrived creek at noon, set up camp, cut wood. Brought out small refrigerator - runs off Gen. set.

June 2/93 (15)

Went up creek to choose sight for test hole. Decided on top of lower canyon. Started hole about 6' square - had to grub out roots etc only got down about 1 foot. After moss removed, encountered glacial till. Got a small color from this in one test pan. 6:00 P.M. back at camp.

(16)

June 3/93 - Packed up small pump hose & test box - set up. Shoveled material through. Reached about 3' depth in hole. Wanted test on glacial till about ¼ gram for about 2 cu. yard. Glacial till is gold bearing - some places quite high grade - others low like here. Material is same as panned up in Bottleneck, but high grade up there.

(17)

June 4/93 - continued in hole - at 3'6" broke into thin layer of washed creek gravels - line of gravels runs downhill toward creek (hole is about 10' from creek) and tapers narrower

away from creek. Looks like creek channel prior to last ice age, which dumped the 3' layer of till over it. Gravels are quite rusty but panned no color. Am not discouraged as I suspect a "V" shaped channel cut under creek. Gold would have washed + worked its way down to bottom of "V". Down about 4' in hole - getting below water level in creek - water starting to seep in hole, quit for day.

(18)

June 5/93 - test hole full of water this A.M. so abandoned hole. Found another test site further up stream - cleared brush etc.

(19)

June 6/93 - Worked full day, down about 2 feet - many roots to cut out, still in glacial till.

(20)

June 7/93 - Brought up test equipment and set up - washed through till for about another 2 feet down - till very low grade here, about same as first hole.

June 8/93 (21) rain this A.M. - rigged poly fly over tent and cook area, cut firewood - 2:30 P.M. still raining

(22)

June 9/93 - rain quit in night but still cloudy. Dug test hole down about another foot - still in top layer of till - didn't bother washing it through. Rain again by 2:00 P.M.

(23)

June 10/93 - Back to hole - broken cloud - broke through till into washed gravels 6' down, water starting to come in. Gravels quite rusty - piled them aside to wash through later - very hard digging - got down less than 1' today - had to pump water from hole twice.

(24)

June 11/93 - nice day - had to pump hole out dug down another foot today - getting hard to shovel out of hole - water keeps coming in so everything wet, and have to keep pumping hole dry. [redacted] put the washed gravels through test box today - mean barren - didn't expect

anything much as water table in these gravels acts as vehicle to settle gold deep. Pumped hole and took down another 6" - will have to rig buckets with ropes tommorrow.

(25)

June 12/93 - pumped hole 4 times today - only got down 6" or so - washed gravels starting to slough in from sides of hole - very slow going. Definately need help. Rigged 3 pails with ropes - fill them then climb out of hole and dump them. Back down hole.

(26)

June 13/93 - Assessed the location of test hole. Judging by distance to walls of valley, I would estimate bedrock a minimum of 14', but probably deeper. There doesn't appear to be any perma-frost at all, which is kind of amazing, as the creek catches no sun all day except a bit around 5:00 P.M. One would think there's no groundwater due to the steep grade, but got it in 2 out of 2 holes. Bedrock will be very hard to achieve with the water problem. Pumped hole and barely cleared out the gravel that sloughed in - don't

think I gained any depth in hole. (1)

June 14/93 (27) rain again A.M. so decided to go to town as grub is getting low. Now that route is blazed, can get in or out in 2-3 hrs with argo - keep truck bid near end of ~~Hwy~~ Trail.

June 15, 16, 17 town.

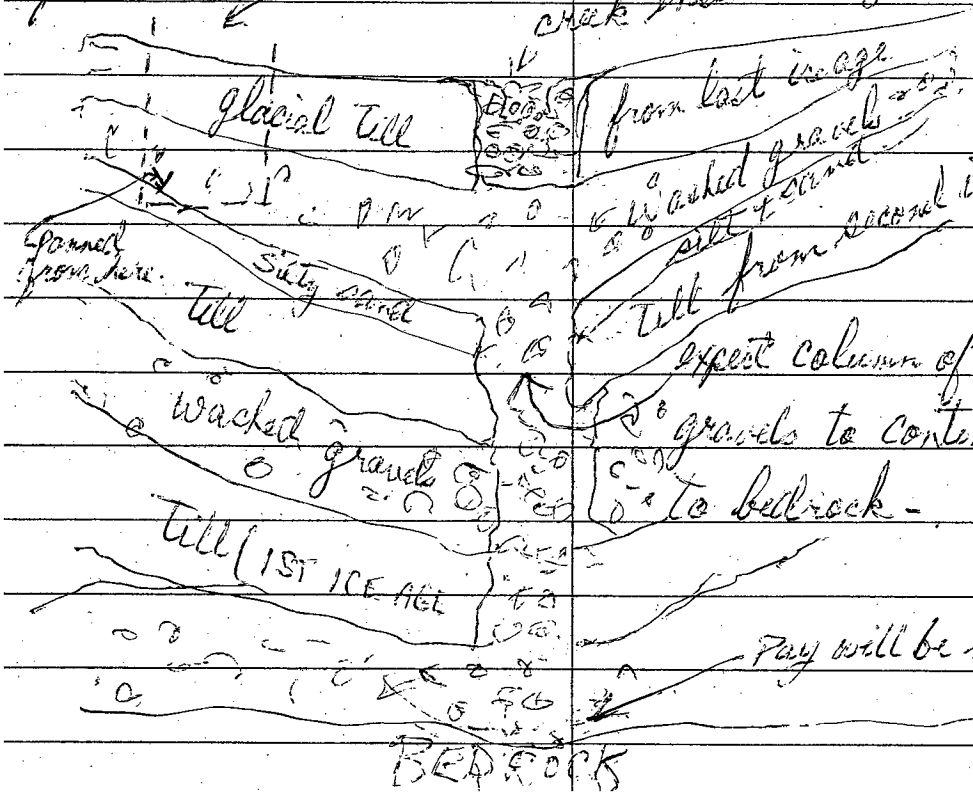
(28) -2

June 18/93 back out to creek. Hired helper to help dig test holes. Got camp set up by 1:00 P.M. Decided to do a prospect to south of creek. We traversed up bank by top of lower canyon, then up-stream for a half mile or so, then away from creek to south. Very rugged country. Crossed several shear lines, but hard to identify rock as all is covered with a reddish-brown algae, except for many veins & outcrops of chloritic schists, which doesn't seem to support the algae growth. Chipped several samples from large outcrop - its very hard to identify as the rock is so highly altered. (bits of black chert, serpentine, dunite, limestone, Calcite gangue / minor Chlorite quartz - all sort of embroiled into one). Didn't find much quartz

On return we found small outcrop of relatively high grade iron ore - it outcrops at base of bluff along south side of creek - Taconite complex. Returned to camp 6:00 P.M.

(29)

June 19/93 - nice day so proceeded to test hole - pumped out and dug down maybe 6" today - can only go 15 minutes or so then have to re-pump water out, so very slow process - broke through washed gravels at end of hole away from creek, into layer of silty sand - ran several pans from bottom of gravel - afew colors, but gravel layer slopes downhill toward creek bottom as follows:



so I believe gold would wash down through gravel
Column to bedrock, but pay may increase deeper
down in Column.

(30)

June 20/93 pump and dig all day. Hole completely through the layer of creek gravels - thru the silty - sand layer and back into glacial till about 1 foot today but water problem is getting worse - also encountered several boulders of marble (massive marble boulders is present in central portion of creek on surface)

June 21/93 (31) dig and pump all day - as hole gets deeper it seems to get bigger from sloughing in material - also process becomes slower with hole depth maybe 6" today - water pours in more from under creek

(32)

June 22/93 - hole now about 8' or 8½' deep - its very discouraging when you pump out in morning and find a foot of sloughed in material on bottom of hole. Tested today about 1 cu. yd of lower layer of till - its higher grade than top layer (about ½ gram of gold) The gold is dark, a bit pink looking and quite worn, but not so

fine - had several flakes over 1/8" in test. Maybe gained 4" in hole depth today.

June 23/93 pump and dig - (33) same old grind, its getting to be a drag - still in glacial till - maybe gained another 4" today.

June 24/93 - (34) another few inches - stockpiling material to run through test box later - very difficult going - pump & dig, pump & dig all day long for a measly few inches of depth. Oh well, at least its something!

June 25/93 - (35) am debating the pros & cons of abandoning this test hole, but decided as long as we can keep going down, however little each day, we'll stick to the hole. The hole gains size in diameter each day. If this glacial till had a clay base, the walls would hold, but its more like mud mixed with gravel when you give it water. So every night when the hole fills with water, it soaks and sloughs into hole. It takes us sometimes till 2:00 PM. to get it cleaned + back to where you left off the day before - by then we're getting tired. Today - don't know if we gained

anything in depth, but cleaned out sloughed in material - maybe a bit more

June 26/93 (36) a good day today maybe 6" down. Cloudy, cool weather promotes a cloud of mosquitos. Ive rarely seen in the Yukon - went through 2 bottles of bug dope in a week - still in the glacial till - hope to break through soon or maybe something different down there

June 27/93 (37) some rain in night - decided on a break from digging - sent Gerry upstream on ~~South~~ NORTH FORK of Creek to check feasibility of running stake lines (base line) over there - too much brush + willows on creek bottom told him to go all the way to the top of lease. Meanwhile with shovel and pan I walked down to forks + up other ~~fork~~ to look for test hole sites + do a bit of panning - Found several chunky colors in one pan taken up fork near rock bluff on S.E. side of creek - Material was glacial till from bank under moss - also many smaller colors in pan - quite high-grade stuff similar to that in bottle neck of other fork.

Also found several favorable looking test hole sites back to camp at 6:45 P.M. Gerry found more favourable route up creek so all in all, not a bad day.

June 28/93 (38) back to test hole - took tape measure along today to check depth of hole - less than we thought - only 11'6" overall, so worked hard and got down to 12' level by late in afternoon. Want to wash another yard or so through test box and have enough stockpiled.

June 29/93 (39) washed through cubic yard of same till with about same result as last test (½ gram) or approx $7.00 per cu. yard. Pumped and dug out hole to yesterdays depth only, and worked damned hard to acheive that - The water is slowly beating us in this hole - it just gets bigger around, not deeper. May be forced to abandon it soon, but it has served its purpose and we have proved that in this spot, from the 4' to 12' deep level the pay is viable in glacial till only.

June 30/93 (40) abandoned hole today - one great lobe of material sloughed in on one side and after pumping, hole was half full of

dirt again - we give up on this one - the grub is low so well go to town late in afternoon, after we move camp over to other fork, as well try a test hole there next. get to town 9:30 P.M.

July 2/93 - (41) back out to new camp on south fork - spent balance of day rigging camp better - chose spot right by where I want test hole dug; so this time won't have to walk so much.

July 3 to 10th/93 (42) (43) Lucky us, a dry test hole so far - down 11' - haven't broke into any gravel veins, guess thats why were dry yet. 3 cubic yards of till taken from 3 x 3' levels yeilded low grade results (1/4 gram per yd.) As I said before, the glacial till is good in places & poor in others - this hole is poor - July 10th broke into gravel vein - very rusty water rushed into hole with a 6' head in 1/2 hr - We managed to get some of the gravel from bottom before flooded out (only a few pans but each one had good color)

July 11/93 (50) - moved camp up to site of second test hole (south fork) after camp set-up cleared brush & grubbed out roots - panned several

Colors in pan taken from surface here
July 12th to July 20th (51 - 57) inclusive - am too tired to write this log book every day, especially when every day is the same as the previous one. To summarize this test hole which we've dug on every day since the 12th or 9 days in all, results are as follows: Reached 5' level in 2 days - ran cu. yd. through from this - very poor - barely enough to weigh - on 3rd day broke into thin seam of gravel and that perverbial spring - on 4th day went through seam into glacial till from previous ice age, after pumping - next 5 days to 20th, just pump and dig - at the 10' depth broke into gravel again - water poured in - good color in 1 pan of gravel we got ahead of water - July 21/93 (65) washed through 1 cu yd taken from last 3 feet of till - @ ⅓ gram per cu. yd. - better than last test, still not to good. Grub is low again, we're out of pump gas so will go to town. Can't afford any more time on this fork this year, so will /

probably renew this lease for another year. The work so far although quite extensive, has proved inconclusive - as well as I might add, very frustrating. I suspect the ground where we tested to be slightly deeper than on the other fork as its not quite as graded & slightly wider in places. It also has higher walls on valley sides. I'm not really dissapointed in test results on either fork so far, as we haven't even come close to bedrock before getting flooded out. I've also realized that its almost impossible to reach bedrock by hand means. In order to do a dry test hole all the way to bedrock you'd have to put in a bedrock drain, then divert creek around test area with an excavator or backhoe, then proceed. However I intend to do at least 1 or 2 more test holes on other fork so results are more conclusive as I had to re-route my road application, directly to that fork, so it has now a priority. The more test holes I do there, the more I'll know prior to braking it into claims this fall or whatever. When road

is complete this fall, perhaps then I can do more extensive & deeper testing - meanwhile I have to wait for permit so may as well continue as best as we can.

July 23/93 (61) Got to creek 11:00 AM. - moved camp from south fork back up above previous camp on north fork. Set up camp by 4:00 P.M. - walked upstream - found test site close to camp.

July 24/93 (62) cleared site & grubbed out moss & roots and got hole started about 1 foot down.

July 25/93 (63) got down to 3' depth today - still in glacial till. Ran test on it - just under 3/4 of a gram from 1 cu. yd. - much better here.

July 25/93 (64) encountering more boulders in till, making digging harder & slower - about 1½' today.

July 26/93 (65) went through thin layer of silty sand today - put test hole about 15' back from creek this time, hoping for less water - looks like we missed the perverbial gravel seams which carry the water. Not much more than a foot today. More rocky till under sand layer

July 27/93 (66) stockpiling till from under sand

layer, to test. - suspect it from previous ice age - its slightly different than top layer - more rock & boulder yet - only gained a foot today

July 28/93 (67) no water yet - about another foot today - have to start using buckets tommorow as getting too deep to shovel out. Will run another test in morning on last 3 ft of material.

July 29/93 (68) lower layer of till tested best yet. over a gram (1.05) for the yard put through! Definately viable pay here just from the till - I suspected this all along - areas with hi-grade glacial till - it bodes well for what maybe in the lower creek gravels. Only made 6" today.

July 30/93 (69) at it early - hard going but made another foot or so today - still in same seam of till.

July 31/93 (70) another foot today - getting harder going - several large boulders today - had to dig them out then remove with ropes - thats with both of us up on the rope!

Aug. 1/93 (71) ~~the~~ it seems that each hole we've done has produced a different configuration of

the strata. Holes also getting damper as we gain depth - although not bad yet. Only did 6" today but took time to do another test - Only 3/8 gram from yard today. Mostly cloudy weather lately, the odd shower

Aug. 2/93 (72) Rain this A.M - Grubs getting down so headed for town in P.M. - have to check & see if have road permit yet or what. Got good and wet on Argo ride out - heavy rain - arrived town 7:00 P.M. (73)

Aug. 4/93 Back to camp - pumped out hole - mostly rain (I hope) - hole 8½ ft deep - a bit sloughed in while gone. Cleaned it out about 6" Hole at 9' depth now - will proceed tomorrow

Aug. 5/93 (74) Struggled to get about 8" of depth today - still in same layer of tell - Getting thoroughly Tired of digging. (75) (81)

Aug. 6/93 to Aug. 02 inclusive - still going down into same layer - hole now at 13' - another test yeilded ½ gram - seems to be getting lower grade deeper down. Don't know what will do if strata doesn't change soon - have a bit of seepage in hole each morning now. Gerry hurt his back a bit

yesterday - bothered him some today.

Aug. 13/93 (82) - had gotten down about 6" - worked at removing large boulder stuck down in tell - It was sitting on vein of Creek washed gravels about 10" down + as it loosened, water seeped up around it - when it came out so did a flood of water - it just poured in - had to get the hell out of the hole.

Aug. 14/93 (83) Hole 3/4 full this A.M. - end of the line again for this test site - Washed thru 1 yd. test on last material from hole - 17/16 of a gram - sure would have liked to test that deep gravel vein but there was no time at all to even get a pan out.

Aug. 15/93 (84) - sort of disgusted today - flooded out yet again - Gerry + 2 decided to walk further up Creek, flag stake line better, look for permanent campsite midway on creek where road will come to, and possibly site for ~~test~~ another last test hole. accomplished all. (85)

Aug 16/93 Don't know yet whether will try yet another test hole. Still haven't got road permit but supposed to be any day. Went to town at 2:00 P.M.

started to drizzle again.

Sept 7/93 (86) Road is in to creek - took 3 weeks - slow going for 6 miles - Cat skinner very cautious to get road on dry ground - spent entire days just walking to find best route. Built shack on creek - too cool and wet for tenting anymore. Nice to be able to bring in 4x4 - still a few wet spots coming in.

Sept 8/93 (87) Wes (catskinner) welding drive coupling on backhoe - broke it digging by last creek crossing on road. Don't think we'll do anymore test holes even though we have hoe now - it can only go down 12' or so and water would screw up the holes same as ours, so sent him pushing access trails up the creek - he'll have to watch it as theres lots of wet spots around here on creek. Spent balance of day making camp more comfy. (88) → (96)

Sept 9/93 to Sept 16/93 inclusive - Gerry and I went to work on slashing, blazing and installing claim posts - wont record yet, so didnt write on posts - 21 claims in all - had some wet snow last night but all gone now - Wes got about 1/3 of our mile of creek access road in - not much but

scared of sticking cat - also he had to be back in town so left yesterday - Gerry went with him as whats left here to do 2 can manage. E

Sept. 17/93 (97) took pan + shovel to upper reaches of creek - haven't done much prospecting up there or spent much time. The upper last ⅓ of a mile or so is very boldery - the creekbed itself is laced with big, quite flat boulders, some 2 or 3 ft. across - they're quite angular, and almost look like they were placed in creek like massive cobblestones with cracks around. My curiosity as to what was under them became aroused, so went to work and pried a smaller boulder out, then dugout pan of gravel from underneath - to my astonishment the pan yeilded about 30 small pieces + colors -

Sept. 18/93 to Sept 28 inclusive - Spent these 5 days trying to compile a better assessment of this upper area - Conclusion, the gold is prevalent throughout this upper boulderg area - the places I selected to remove creek boulders ranged from extremely high-grade to medium and low grade.

(98) (103)

and several spots yielded no color. Overall this spot is quite astonishing in places. My preliminary work these three days is but a drop in a bucket against what's needed here in testing etc. i.e., one must establish the extent of the pay dirt - is it quite concentrated throughout this upper glacial till or was it concentrated only in the creek bottom by water, and kept from sinking deeper by what seems to be a more clay like till up here. Its probably a combination of both scenarios, but most definately one will have to do serious tests on the till up here, as only it will supply a viable source of mineable gravels. 104

Sept. 24 and 25/93 - walked down to bottom, then back up to camp, marking all posts for recording - second day went up to top doing same.

Sept. 26 to Sept. 29 inclusive (104) (107) Decided on more hardrock prospecting in area between creeks, but past stake line of staked hardrock. Area is very rugged and is quite an intense shear zone, broken by many rift lines - As I said before, the algae makes prospecting extremely difficult, so far

as visual identification of things like rock types, geological changes in rock, vein structures, etc. There is a good possibility of veins being around or near these shears. Some of them have springs or streams running between walls, some have leading wall facing the ice advance torn fully or partially away. Some of these rifts or minor faults run a half mile or so - others only a few hundred yards. They all have a perverbial characteristic:- the walls are nigh impossible to read due to algae growth. Depth is hard to tell as all are part filled with glacial debris. There's also a liklihood of mineralized contact zones being in area but again the algae is everywhere and prevents any form of identification. So far, what I've learned to look for is differences in texture or cracks dividing 2 textures in rocks - then I take out hammer - its very frustrating prospecting in areas like these. I did on one day, foray over past the headwaters of the south fork, a good 3 miles one way. There's a small lake near top of creek about ¼ mile long or round. More of the same. Nonetheless, these 4 days were well spent and did result in a mixed bag of samples.

I suspect several of them are, or at least contain ores; Its hard to tell due to high degree of alteration. I'll take them to Range Road for a geological opinion at least, then we'll see about analyses.

Sept. 30/93 (108) End of season - decided to mothball things here and head for town. Have to record claims within 3 more days. Its been a very busy summer, part successes and some failures. Although bedrock wasn't achieved due to water problems, I feel I proved conclusive viability as a placer creek, resulting in the re-staking of the 2 mile lease into 21 claims. Tests on other fork look only promising. If I decide to renew that lease, much more testing will have to be performed there before breaking it into claims.

Though bottle after bottle, seems to blur the pain,
While thoughts of her, make it easier, to slip on
down the drain.
He don't know where the bottom is, its too far down to tell,
He only knows hes ridin on a one way track to hell.

I only know I'm fallin' fast, there's no bottom to this hole,

At the first patter of the rain, he opens bloodshot eyes in pain,
And blankly stares up to the skys of grey.
~~The~~ raindrops gently touch his face, he has no feeling of disgrace
For little feelings left in him today.

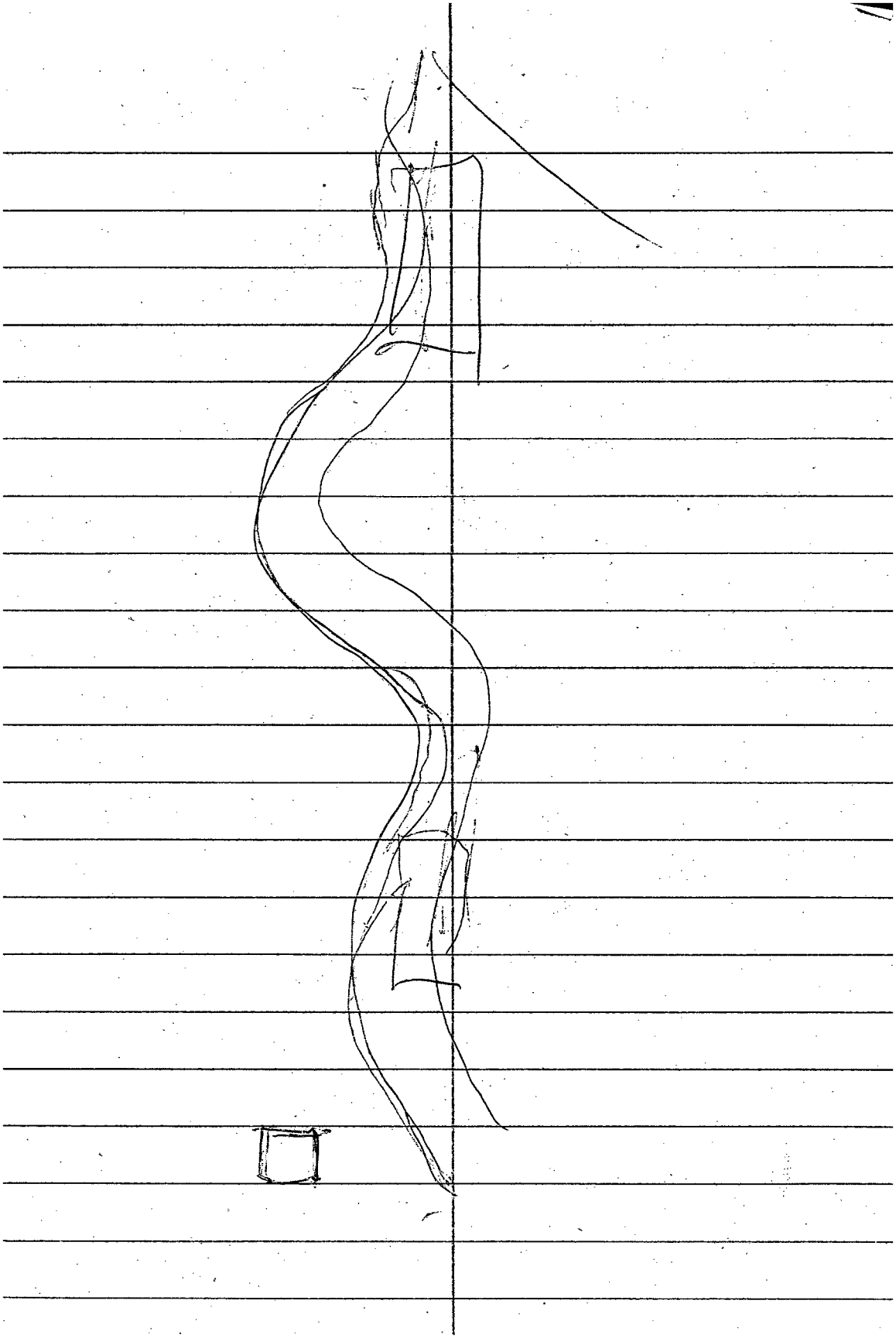
He sits up on the alley floor, and leans against a beaten door,
~~And~~ He's wondering, just where ~~the~~ the Goodfellow's at.
From garbage cans there to his right, a sudden crash, he shakes with fright
Then sees that it was just an alley cat.
Ch

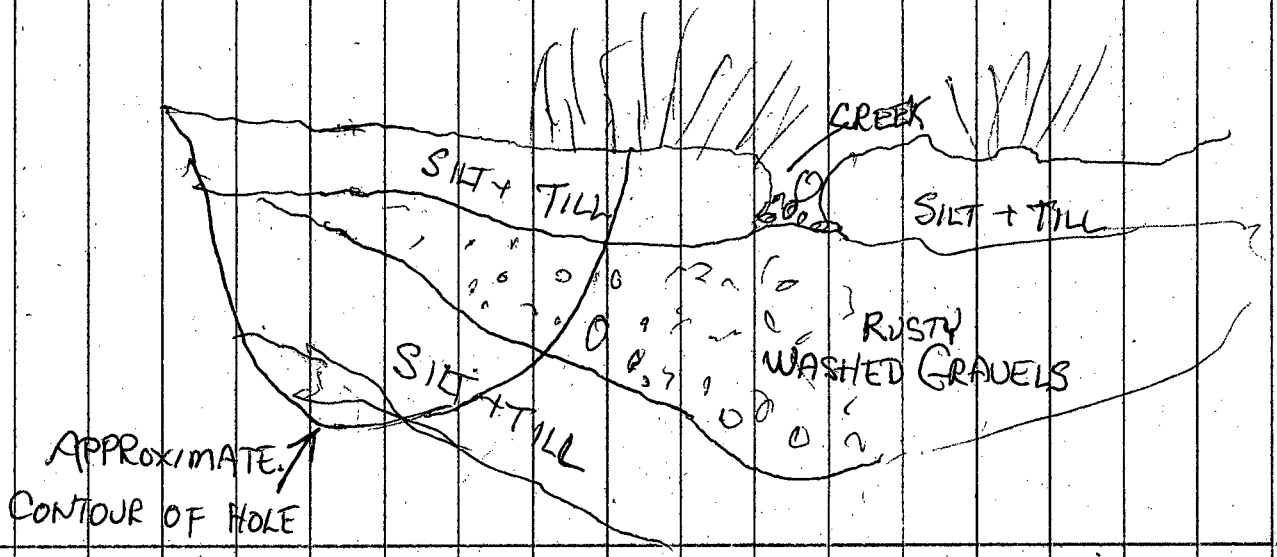
With shaky hand he pats his coat, his eyes all puffed, his face a bloat,
He's looking for a smoke that isn't there.
The pocket to, that held his wine, is empty now there's not a dime,
He groans and runs his fingers through wet hair.

~~With effort that would stall a train~~
I hope
~~With~~ shaky legs and weary brain, and effort that would stall a train,
With dripping rags he rises to his feet,
His body tells him something's wrong, he's been without a drink too long.
He slowly staggers out onto the street.

CH

closing bars, or ~~worn out~~ broken down cars, places that he lays his head, ~~lobby~~ floors or strangers doors, places that he gets to stay. He knows he won't wake up one day, & feels its not too far away.




CREEK
SILT + TILL
SILT + TILL
RUSTY
WASHED GRAVELS
SILT + TILL
APPROXIMATE
CONTOUR OF HOLE

re-assemble pump
build small test box / dump box / grizzly

needs

flagging tape
grub
gas & oil & chain oil
plastic fly
rope
shovels
mothballs
gun & ammo
wire (hay)
propane