94-045

Target # I

Property name:	Livingstone/ Yukon River Crinoidea
NTS:	Laberge I05E , Placer I05 E8 (Livingstone)
Approx locations:	Livingstone - 6I'I9"N I33'23"W
	Yukon River - 6I'43"N I34'57W
Access:	Livingstone - 50 air miles from Whse airport.
	Yukon River - 74 air miles downstream from Whse on Yukon River by float plane.
Geological setting:	Late paeojoic fusolid limestones of the Boswell formation(white weathering massive to thick bedded,resistant,grey micritic limestone).Dark weathering slate,greywacke,chert, conglomerate and breccia.Both targets shared simillar geology.
Commodities sought:	Lapidary specimens of Crinoidea at both locations.

Summary

Livingstone area

This area was first visited on July 5/94, accompanyed by Kieran Daunte. It was soon evident that Little Violet, Cotteneva, Lake, Summit, Martin and Livingsotne creeks were the main gold producers of this gold camp. They all drained the southern portions of the Pelly Mountains and the Big Salmon Range, draining into the S Big Salmon River on its right limit. As most areas were staked, no attempt was made to locate placer or lode gold deposits. The other commodity sought, Crinoidea specimens, were prospected for on St Germaine, lower Livingstone, lower Martin and an unnamed tributary of the South Big Salmon which entered on its left limit at the southern end of the Livingstone air strip. One crinoidea cobble was found on St Germaine approx I.5 mi upstream from its confluence with the S Big Salmon. This area consisted of slates overlain with chert, greywacke, qtz conglomerates and breccias. No evidence of float or insitu crinoiea were found on any other of the other areas visited with the exception of the tributary entering the S Big Salmon on its left limit, at the south end of the Livingstone air strip. Approx .5 mi upstrem from its mouth the creek proper was strewn with boulders up to 4 ft dia consisting of competent jaspers, chalcedony, silicious breccias, conglomerates and silicious limestones containing crinoidea. These rock types were probably eroded from the high level (up to a height of approx 200 ft) which existed on the left limit of this creek for a distance of approx I mi. The project area was left on Sept IO due to a case of blood poisoning. The area was revisited on Sept 2I accompanyed by Peter Ledwidge After a superficial examination of the lower reaches of Martin and Livingstone creeks (no specimens were observed). The duration of the visit was spent gathering, stockpiling and transporting quality specimens from the above mentioned creek out to the Livingstone air strip.

(conglomerates)

Yukon River

The Livingstone area was left on Sept 23 and a float plane was taken downstream Yukon River from Whse(approx 74 air miles) to investigate reports of crinoidea in the area. Prospecting left limit tributaries of the Yukon River in the area showed no evidence of crinoidea specimens with the exception of one tributary (see map) which contained float chalcedony, jaspers, silicious conglomerates, breccia and fossiliferous (crinoidea) limestone boulders. The geology of the tributaries are very similar to the area in the Livingstone district(on the west side of the S Big Salmon.)High level river channel adjacent to the Yukon (up to apprx 200 ft)consisting of conglomerates and breccias at the lower reaches of these deposits, were cut by the tributary containing the specimens collected. Specimens were gathered and stockpiled above high water mark on the Yukon River. Two days were spent at the core library in Whse slabbing specimens.

Conclusions & Recommendations Livingstone/Yukon R

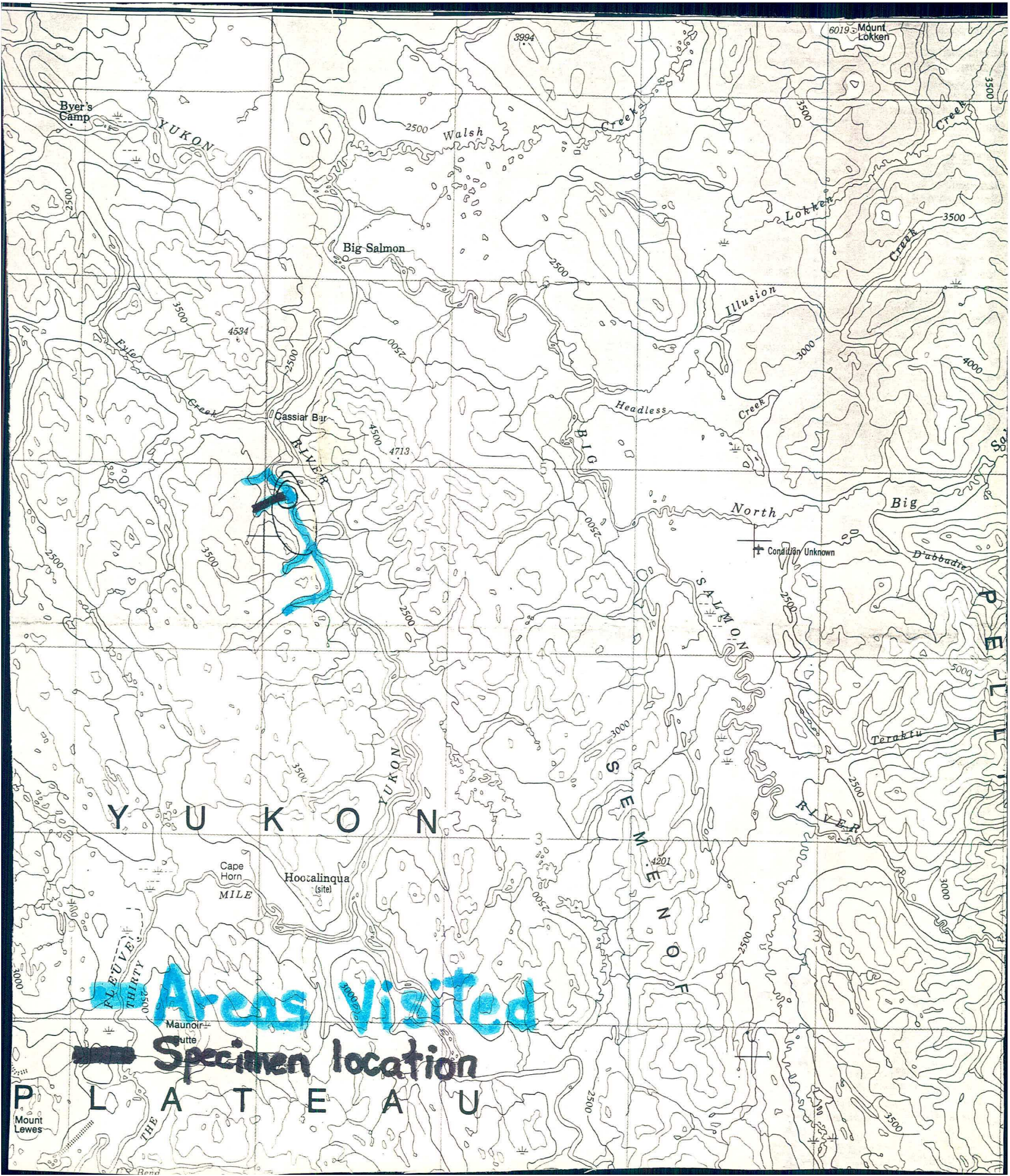
Two areas (trib entering S Big Salmon left limit and trib entering Yukon R left limit)contaned lapidary quality specimens. The Livingstone deposit being the most important in terms of quality and abundance. The specimens most surely derived from the high level conglomerates and were found as float material in the tributaries cutting these deposits. This eroding action was very benificial as the effect rendered the specimens competent and with very little fracturing (similar to shot peening). The specimens collected and cut were admired and desired by collectors and the general public. During the 1995 season both areas will be revisited (Livingstone area priority) to collect additional material.

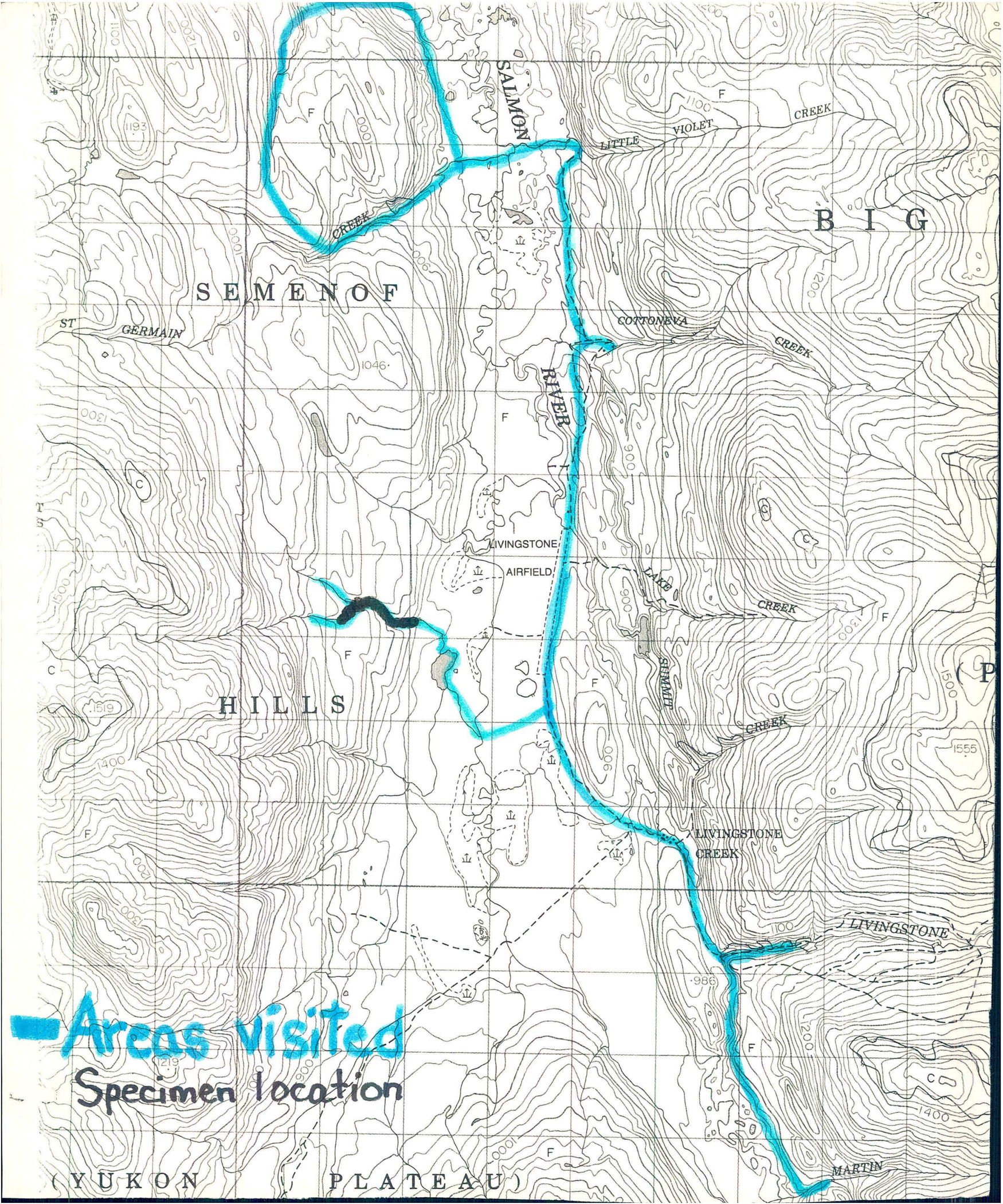
Conclusions & Recommendations Livingstone/Yukon R (continued)

The Livingstone specimen deposit may be staked in I995 to protect the collection locale. As the specimens available cut easily and take a fine polish, it is hopefull that quality cabochons, spheres and other desireable items can be manufactured for consumers for late I995 early I996. A sample collection of slabbed and polished specimens will be taken to the Tucson Gem & Mineral Show in Feb I995 to observe public reaction and to obtain information on additional uses for these specimen types.

Expenditures(Livingstone/Yukon R.)

Jerry Bryde	I6 days @ $55.I5	$882.40
Kieran Daunt	7 days @ $I00.00	$700.00
Kieran Daunt	7 days @ $55.I5	$386.05
Peter Ledwidge	4 days @ $I50.00	$600.00
Peter Ledwidge	4 days @ $55.I5	$220.60
Flights (2)		$I444.50
Mileage	(2-Dawson/Whse rtn) 2200km @.40	$880.00
Total expenditures		$5II3.55


Areas Visited
Specimen location


SALMON
CREEK
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RIVER
LIVINGSTONE
AIRFIELD
LAKE
CREEK
SUMMIT
CREEK
HILLS
LIVINGSTONE
CREEK
LIVINGSTONE
MARTIN
Areas visited
Specimen location
(YUKON PLATEAU)

94-045

Summary

Target # 2

Property name:	7-I3 Pup Elluvium
NTS:	Stewart II5 O/II5 N, Grand Forks II5 O I4, Placer II5 O I4E
Approx. location:	63' 53"N. I39' I2"W
Access:	Project area is readily accessible from Dawson City via IO mi. up Bonanza Cr. Rd. thence 6 mi. up Upper Bonanza Cr. Rd. to Victoria Gulch.It is an additional I mi. from this point up the 7 Pup-Lone Star Rd.to the approx project area.The 7-Pup Lone Star Rd. is passable in two wheel drive except during spring run off or times of heavy rain fall then four wheel drive would be desireable, with caution being taken not to cause damage to the road.
Geological setting:	The area is underlain by middle permian qtz augen schists (Klondike Schist)which is cut by intrusives (diabase) and zones of local shearing.The project area is down slope from the Lone Star occurance which host the Boulder Lode and Corthay Vein which are known to contain free gold.The project area is in a permafrost zone.
Minerals sought:	Gold

Summary

Work performed:

This project was undertaken to determine if any trace of free gold could be located on the hillside in the area between 7 Pup and I3 Pup. Work commenced on the project on July 5/94 with the assistance of Thomas Frankenriter and Harley Tomilin whom started stripping moss and started excavating pits and cutting wood for thawing pits.The project was worked on intermitantly untill July 2I/94.At this time all I6 pits had been established,access trails in place and wood cut for firing pits.On Oct I work was commenced by myself and continued untill Nov 24 except with intervals of days spent on other projects.Two lines (#I,#2) consisting of eight pits each with spacings of 500' between each pit.(See air photo for location of pits).Pit #I on line #I was located at the headwaters of 7 Pup,I000' south of its baseline and ran south along the hillside to and across the headwaters of I3 Pup to pit #8.Line #I was started approx.I000' downslope from pit #I on line #I.It also ran in a southerly direction across the hillside to the right limit of I3 Pup.Both lines were approx 4,000' in length.Pit #9 was established above pit #3 on line #I.It was started after discovering a spongy mossy area that was found to be the headwaters of an old ditch (completely ower grown)that ran north along the hillside to the head waters of 7 Pup.It was approx I ft wide by I ft deep and approx 2000 ft in legth.As there was a considerabl amount of spruce on the hillside wood fired thawing methods were used to excavate pits by hand.As up to four pits were burning at one time other pits were loaded and made ready for firing the following day.It was found that pits fired duing the day and left for more than ten hrs would refreeze during cold weather threfore all pits were excavated

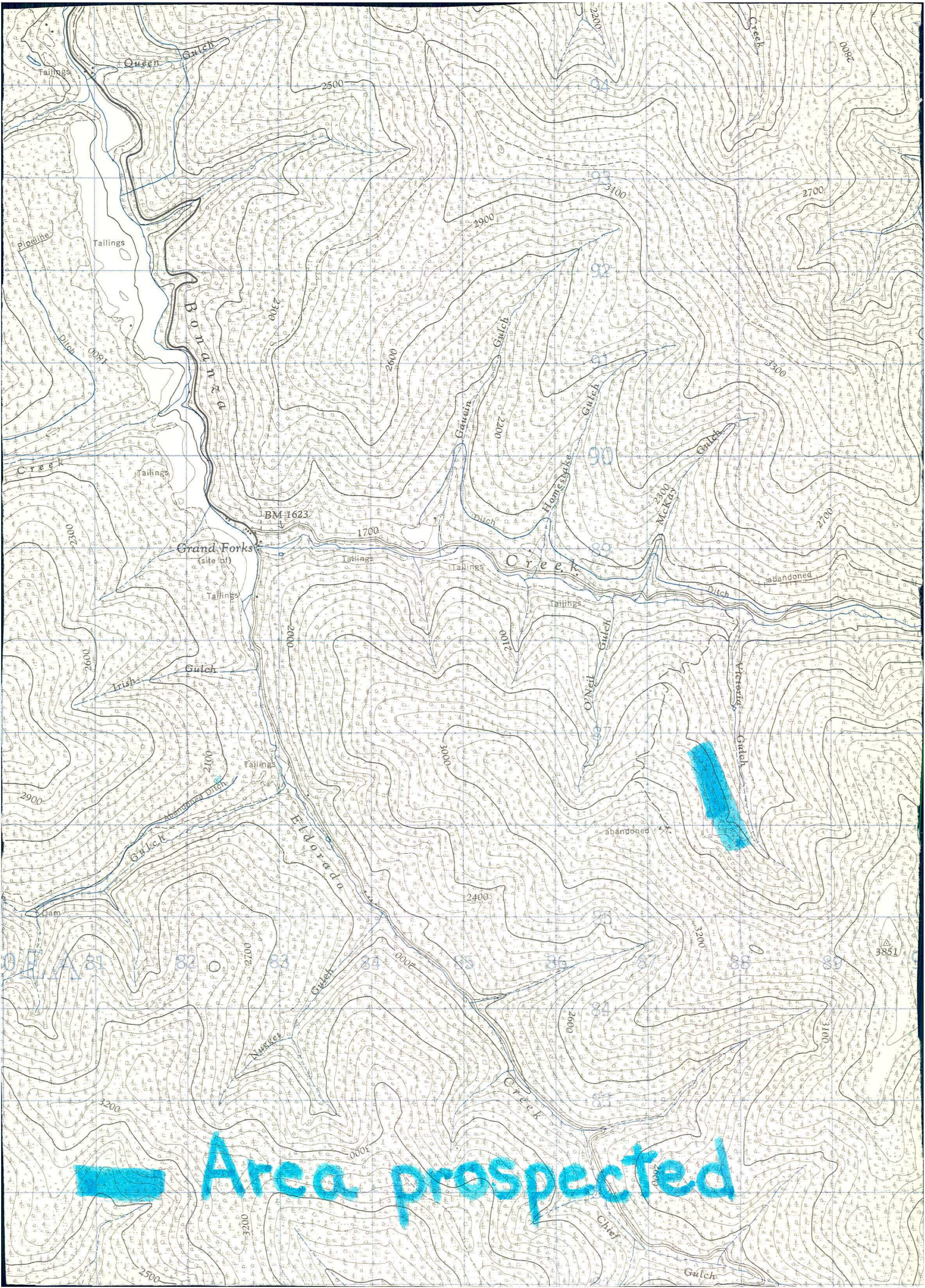
after a 5 hr burn.Pits were covered with tin while burning.Approx 4in of material could be excavated after each burn.Pits #6,7,8 on line #2 were abandoned near surface,bottoming in large slabby schists.Pits #6 along line #I and pit #9 upslope,were wet holes.Float diabase fragments found in pit #8 and the two wet holes are probably associated with the diabase cutting the headwaters of I3 Pup.No evidence of gouge material was found although local shearing is known to exist in this area.Pits were excavated to an average depth of 3 ft.The gold bearing horizon of elluvium on 7 Pup lied in this section.Once a pit reached fractured schists with very little soils,it was abandonded.Because of the volume of water seeping from pit #9(upslope from line #I) it was left to freeze and an attemt to freeze down resulted in its abandonment at 4.5 ft.The volume of water coming from this pit was approx 5-I0 gpm.Samples were taken from the pit walls after the last burn,bagged and logged.(See sample logs). Samples were panned in cabin on 7 Pup.Residual heavy material in pans was observed with a I0 # loupe.Tailings were examined for visible gold associated with the quartz.Access to most pits was by ATV in the early stages of the project and later on when there was sufficiant snow cover a skidoo was used.

Conclusions and Recommendations

A I mi. Prospecting lease was staked as a result of this prospecting. Trace gold was recovered from pits #I,5,6,7 on line #I.Pit#9 upslope also contained trace gold and also a qtz fragment (float) with visible gold.A small peice of qtz float with visible gold was found on surface at pit #I on line #I while stripping the moss.No definate section of soil was found to be gold bearing but is distributed erratically in the overburden (elluvium).Recent placer mining operations on 7 Pup have shown that although many pans can be taken without recovering any gold,a bulk sample of approx 20 cu yd results in the recovery of appreciable amounts of gold.Pit#I contained trace gold and pit#5 had trace with one piece approx Imm.Both pits were on line #2.Gold bearing qtz veining and associated sulphides trending N/W upslope from project area is the likely source of qtz float with visible gold and free gold found in the overburden. The steepness of the hillside and the fact that float gold is still being found at shallow depths (these gold bearing systems also contributed to the gold values in 7 Pup,downsteam to Victoria Gulch and also Upper Bonanza Cr) the system is still going through the process of erosion and will continue untill the source is depleted or the physical geography of the area is changed drasticaly. A good example of slope creep was observed on 7 Pup where an abandoned sluice run from the late I890s was completely covered with 3ft of insitu elluvium and pushed down slope naturally.Part of the winter of I995 will be spent rehabilitating the old ditch running to 7 Pup to take advantage of spring runoff for sluicing operations there. Recommendation for the I995 summer season would include enlarging pit #9 above line #I to water resevoir status and to bulk sample in the areas of pits #I,5,6,7,8 and #9 on line #I and also pits #I and #5 on line #2.An old ditch (very bad shape) down slope from line #2 could be examined and possibly utilized.

Expenditures (7-I3 Pup)

Jerry Bryde	35 days @ $55.I5	$I930.25
Thomas Frankenreiter	5 days @ $I00.00	$500.00
Thomas Frankenreier	5 days @ $55.I5	$275.75
Harley Tomilin	3 days @ $I00.00	$300.00
Harley Tomilin	3 days @ $55.I5	$I65.45
ATV & trailer rental	~~7 days~~ lwk @ $200.00	$I400.00
Skidoo rental	3 wks @ $650.00 (@25% of cost)	$487.50
Chain saw rental	I month @$390.00 (@25% of cost)	$ 97.50
Generator rental	3 days @ $35.00 (@25% of cost)	$ 26.25
Mileage (local)	290 km @ .40	$II6.00
Total expenditures		$ 5298.70


Area prospected

PLACER LOG

Date: Nov 16/94 Time: _____ Driller: Jerry Bryde Helper: THOMAS, HARLEY.

Type Prosp pits by hand in frozen material using wood fire thawing methods.

Location: Line # 1 7-13 Pup Lease or Grant Numbers: _____

HOLE NUMBER	TOTAL FOOTAGE	BREAKDOWN IN FEET (of materials encountered) EXCLUDING 6-8" moss	REMARKS: samples/results PANNING
#1 •	3'	(0-1') brn soils with qtz + schist fragments + wood frag. (1'-2') brn soils qtz + sch frag to 3". (2'-3') Frag schists	@ 0-1' visible gold in pan, minor goethite + magnatite 1'-2' Ø gold negligable sulphides magnatite. 2'-3' Ø (Qtz w v.g)
#2	3'	(0-1') brn with greyish soils qtz + sch chips (1'-2') brn soils with schists to 3" (2'-3') Frag schists with brn soils between	no v.g, negligable sulphides + magnatite
#3	3'	(0-1') brn soils with very small schist frag. (1'-2') light reddish soil / brn soil with sch frag to 4" (2'-3') Frag Schists.	no v.g. neg sulphides, magnatite
#4	2'	(0-1'). brn soils frag schists to 3" (1'-2') Frag schists becoming more competent at 2'	no v.g neg sulphides, magnatite
#5 •	3'	(0-1') Reddish with grey soils intermixed (1'-2') Greyish brn soils with qtz + sch frag to 1" (2-3') Frag sch with soils	v.g in pan at 0-1' minor goethite
#6 •	2'	(0-1') black soils with sch, qtz frag to 1" (1'-2') brn soils with frag sch to 3" (wet hole)	v.g in pan at 0-1' minor goethite
#7 •	3'	(0-1') brn soils with sch frag to 1". (Ø-2') brn soils with sch frag to 4" (2-3') Frag sch to 4" little soils	gold visible with 10x loupe at 0-1 negligable goethite, magnatite
#8	3'	(0-1') DK brn soils. with little schist frag to 1" (1-2') DK brn soils with shist frag to 3" (2'-3') Fract sch with little soil	no. v.g. negligable goethite + magnatite
#9 •	4½	(0-1') wet brn soils with qtz + schist frag to 1" (1'-2') wet brn soils with qtz + schist frag to 1" (2'-3') wet brn soils with schist Frag to 2" (3'-4') Schist frag to 3+4" with brn soils (4'-4½') sch Frag.	Spring at this location. at 4½' peice qtz with v.g. panned very fine gold (e 10x)
TOTAL	26½'		
•	Au.		

Date: Signed or Representative)

PLACER LOG

Date: Nov 24/94 Time: _____ Driller: Jerry Bryde Helper: _____

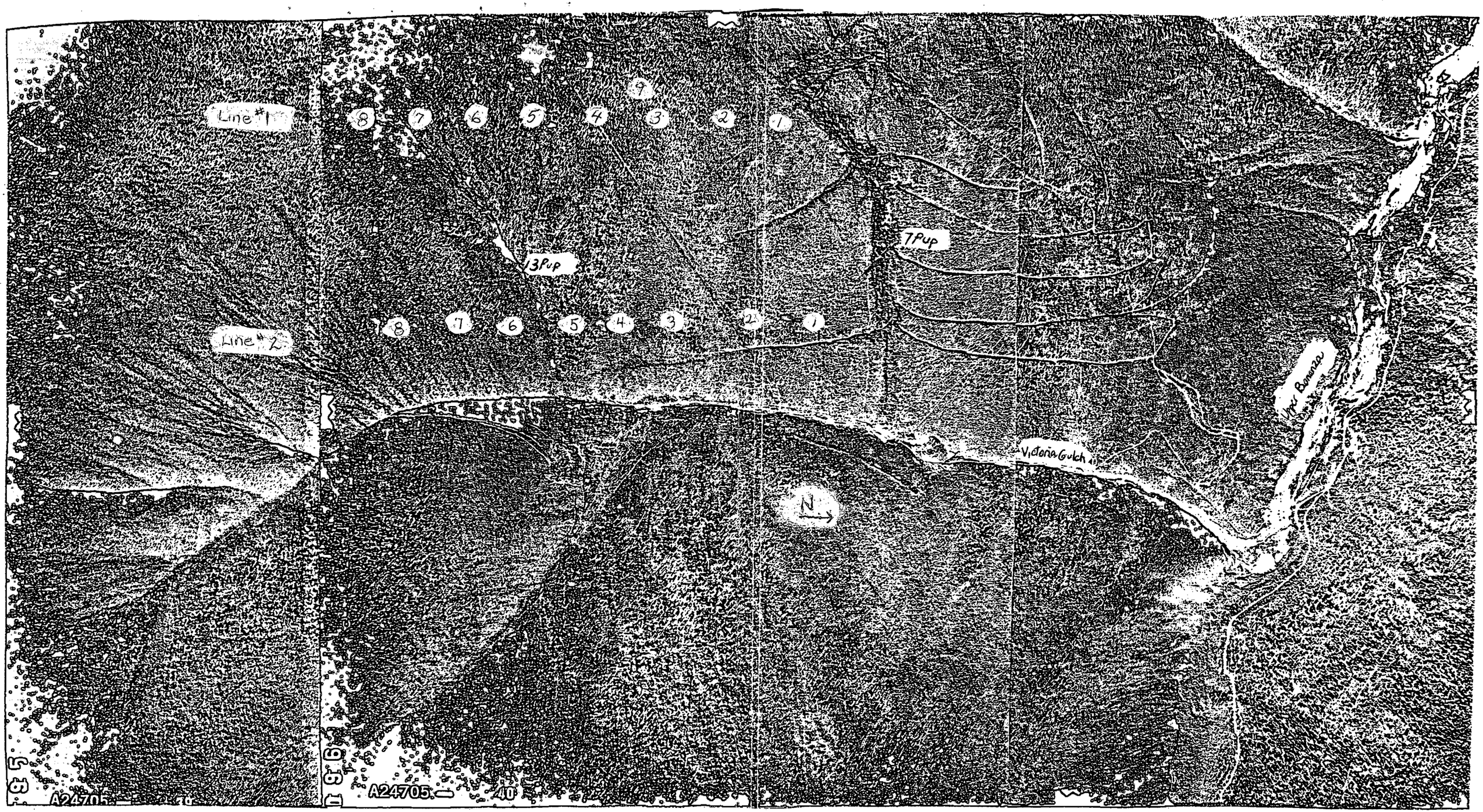
Type Prosp pits by hand in frozen material using wood fire thawing methods.

Location: Line #2 7-13 Pup Lease or Grant Numbers: _____

HOLE NUMBER	TOTAL FOOTAGE	BREAKDOWN IN FEET (of materials encountered) Excluding 6"-8" moss	REMARKS: samples/results
#1 •	2'	(0-1') frag schists to 1" with brn soils (1'-2') frag sch	0-1' v.g with 10x in brn soils minor goethite, magnatite
#2	2'	(0-1') brn soils with frag sch, qtz to 1" (1'-2') fract schists	no v.g. no goethite, magnatite
#3	2'	(0-1') brn soils with frag schists to 2" (1'-2') brn soils with frag schists to 2"	no v.g no goethite, magnatite
#4	2'	(0-1') brn soils with frag. schists to 1" (1'-2') brn soils with frag schists to 1"	no v.g. no goethite, magnatite
#5 •	2'	(0-1'.) brn soils with frag qtz + schists to 3". (1-2') brn soils abundant qtz frag to 2" schist frag to 2"	1 coarse gold particle, fine gold (10x) minor goethite, magnatite
#6	4"	brn soils with diabase frag. schist frag underlain by slabby schist	no v.g no goethite, magnatite
#7	4"	brn soils mixed with schist frag to 1" underlain by slabby schist	no v.g no sulphides
#8	4"	brn soils mixed with qtz + schist frag to 1". Some diabase frag incl. underlain by slabby schists	no v.g. no sulphides
TOTAL	11'2"		
•	Au.		

Date: Signed or Representative)

Rt Locations



Pit Locations

N →

Jerry Bryde
Box 469 Dawson City

94-045

7-13 Pup.

V.G. Visible Gold.

(clear) Black Candle (white) w/ gold

(1)

July 5/94

Jerry, Thomas

15° Drizzle

(Dawson Rtn.)

Took Thomas along Line #1 to spot pits. Measured out 8 locations approx 500' between each. Got him started at Pit #1, I started on #8. #1 + #8 both frozen under moss. #1 Pit approx 1000's of 7 Pup baseline off of top end of Contach placer claim. Thomas found qtz float chip under moss at Pit #1 with 2 pieces v.g. He is a geology student studying in Germany & B.C. I was very excited as this was first time he'd found any gold or seen it in its state. He has the "FEVER" now. Pits #2 & #7 also frozen under moss.

July 6/96 +10° Raining steady
Jenny, Thomas

Opened up Pits # 3, #4 #5 #6. All from under moss except Pit #5 Area is flagged extensively & numerous cut lines going in every direction from previous grid lines by Dawson Eldorado, Arbor, Kearnicott. & me. Thomas worked on Pit 5 that had thawed a few inches due to Rain, I went down 13 Pup to confluence with Victoria Gulch Don Tanner is working R/L lower end of 13 Pup (D8, Dredder) Recovering some gold rough with qtz attached & some crystalline. but not encouraging in quantity. Showed him qtz cobble with o.g in his tailings and now wants to stake qtz claims. No water flowing at bottom of 13 Pup even though it has been raining for 2 days. Victoria Gulch up & Don has

sufficient water volume to sluice about 2hrs day, recirculating from his settling pond. Went back up to Pit #8, #7, #6 took a few more inches out of each that had thawed. Met Thomas at Pit #4. He was using a pick in frozen ground, I told him to forget it, theres other things to do besides killing yourself and wearing out my picks Had never seen permafrost before.

July 7[94] +12 cloudy. (3)
Jerry, Thomas

Took Thomas down to line #2 to measure out + spot 8 pits. Line #1 is approx 1000' off 7 Pup baseline, 1000' W of Victoria Gulch. Found slight bench N of 13 Pup approx 1200' off its baseline + will be checked out later. Found old ditch

approx 1000' long running S to N to 7 Pup. Its very shallow and over grown and was hard to recognize. Pits were spotted 500' between each other Checked under moss on Pit #1 & it was frozen.

July 8/94 +15 cloudy (4)
Jerry, Thomas

Thomas went down to Line #2 to strip moss from pit sites. I cleaned out another 3-4" out of all pits on Line #1. Approx 150' uphill from Line #1 found old ditch over grown about 1' deep, 18" wide. Followed it S to indentation in side hill that was seeping water. Followed it N to where it disappeared close to 7 Pup. Its approx. 2500' long & is very exciting. Not only as potential additional

water supply for 7 Pup placer operation but geologically interesting. Any seepage found on 7 Pup to date has been associated to intrusives (dikes) or along margins of shearing with country rocks. This will be investigated also. Thomas stripped moss off 6 pits on Line #2 saw a black bear and was in camp when I got back (Camp is cabin on 7 Pup). Wouldn't go back by himself so we went down together and stripped moss off of 2 more pits. All pits were frozen (soils) except Pit #8 which was slabby massive schists

(5)

July 9/94 + 12° Cloudy. (Dawson PM)
Jerry, Thomas.

Started cutting wood for thawing pits. Wood fires are being

used as ground is relatively shallow & there is an abundance of green spruce for fuel. Thomas started cutting & I started fires in Pits #1 & #2. After a six hour burn Pits #1 + #2 achieved a thaw of approx 6" each. All pits will have a dia of approx 4'. Fires were started in Pits # 3 & #4 to burn thaw until tomorrow. Pits will be excavated as thawing occurs material piled adjacent to pits and a profile and sampling will take place when desired depths are achieved. I am mostly concerned with the loose materials as this section (if it carries any free gold) could be sluiced or bulk sampled compared to insite material. Thomas is leaving tomorrow

July 10/94 +15 cloudy
Jerry.

Took Thomas to town. Returned and dug out Pit # 3 + #4. Excavated approx 8" material from each hole. Started fires in Pits # 6 + #7. Pit #5 thawed material, dug out approx 2' material while #6 & 7 thawing. All fires were covered with tin while burning and replenished with wood on every visit. Excavated approx 1' material from Pits # 6 + #7 each. after burn. Got stung by hornets near Pit 7 Got one in the hand + went home for Ana sting kit. Hand swollen good but did more damage by injecting needle too deep. Kit was past expiry date but still worked O.K. I prefer cold weather prospecting, less bugs.

(7)

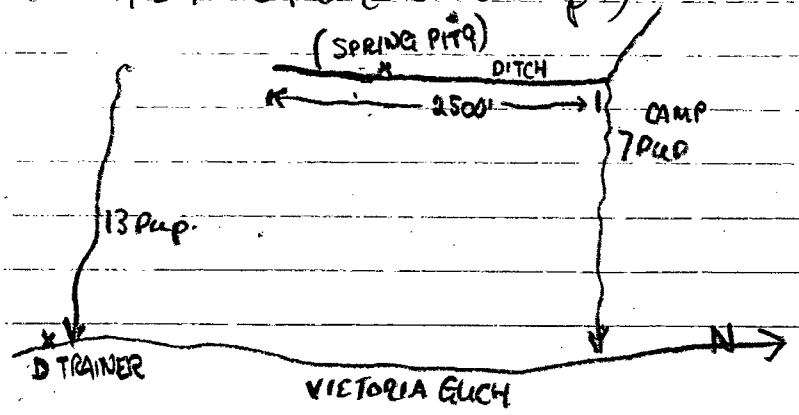
July 19/94 +12 drizzle (Dawson AM)
Jerry Harley

Picked Harley up in town & brought his small trailer up to 7 Pup. Harley cutting wood along line #1. I started excavating Pit #9 which is at the head of old ditch found on July 8. Its thawed under moss and after excavating approx 2'x3' water seeping at a rate of about 10 g pm - Seems area has been opened up earlier (early 1900's) and stuffed in. Area surrounding pit 20' dia is moss) saturated. Harley is on probation after first day caught him playing when he was supposed to be working.

July 20/84 (raining hard) +10
Jerry + Harley

Leaving pits on Line #1 to thaw from rain. We both went up to Pit #9. I worked excavating pit. Harley cut trees along ditch heading N towards 7 Pup. At 3' pit was gurgling which is great but every thing is mud now. Pit doesn't seem to be the source as the water was coming in now from the uphill (to the west) and deeper. Material excavated is greyish soil mixed with fragmented schists and qtz. up to 4". Hole fills up and must be baled out. Considering trenching downhill and draining it. Water is fine for panning but 5 pans shaken today showed no V.G. minor goethite neg magnatite. All

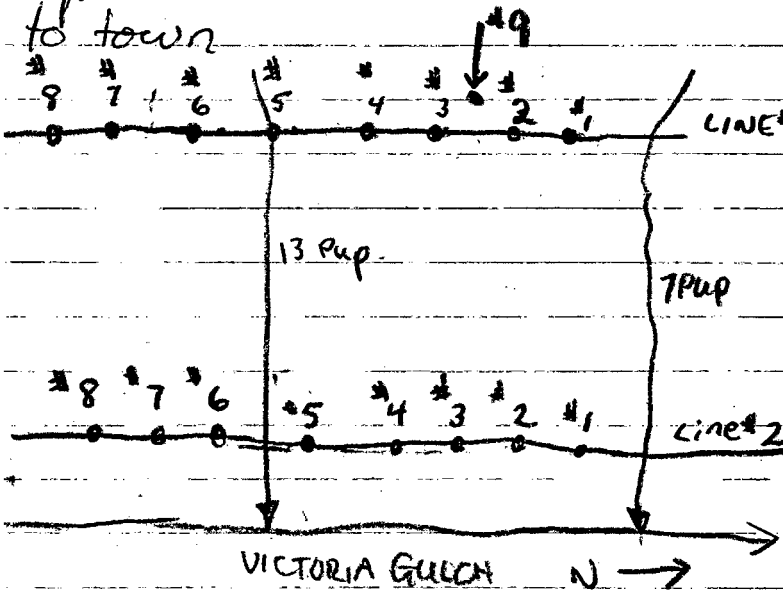
pits along line #1 filling with rain water and will be left to thaw. Hanley + I checked Line #2 and exposed pits thawed approx 3" each from rain except Pits #7 + #8 which are slaty schist (side) Pit #7 has peices of float diabase up to 4" under moss. Pit #9 (spring) running good approx 15 gpm now from additional rain fall (absorbing uphill and re-surfacing through fractured bedrock?) (Water is more important than Au at this location 7-13 Pup)



July 24 +12° drizzle (Dawson PM.)
Jerry Harley

Excacated thawed material from Pits #1, #2 #3 #4 #5 #6 on Line #2 from natural thaw about 4" each. All holes light brn soils mixed with schist chips up to 3". Harley bagged samples from each hole for panning. I went up to Pit #9 spring. Cannot get any more depth (at 3') as material adj to hole slumps and cannot be baked so will wait for freeze later in season and freeze my way down. Panned samples from Line #1 None showed any free gold or goethite, black sands. at about 6"-7" under moss. Harley informed me he doesn't like working alone or in the rain so I hooked

up his trailer and took him back to town



Pit locations

(10)

Oct 1/94 0° clear.
Jerry

Using ATV Honda to travel to and from 7-13 Pup. Flipped it near 13 Pup with gear in trailer and was glad I had helmet on. Pit #9 (Spring) filled with water & ice skim (mini glacier) Started fires in Pit #8 - #7, #6. Baled out Pit #9 seeping at slower rate than in July approx 5 gpm (baling into 5 gal pail + timing) Did not excavate but left to freeze over.

(11)

Oct 2/94 -5 light snow
Jerry.

Excavated approx 8" from each pits #6, #7, #8. #6 & #7 fragmented fine schists & qtz (matrix). #8 brn soils

not as much schists or qtz as #6 + #7. Started fires again in #6, #7 #8. Excavated approx 1½' in Pit #5. Thin layer ½" (reddish soil) was bagged to pan with ∅ Au + negligable sulphides + magnatite. Hole is down to approx 4' and really mixed up soils, schist more qtz than other holes on Line #1. Dug out #6, #7 #8 approx 4" each after 5 hr burn.

1 Oct 8/94 -1° clear
Jerry (12)

Started fires in Pits #1, #2, #3, #4. Pit #9 spring still seeping and ground surrounding pit for approx 20' N + S still soft under moss. Pit was full of water + baled it out to hurry freezing. Excavated

#3, #4. after 4 hr burn. Less soils in pits #1, #2, #3 down to approx 2' #4 more competent schists (fragments (in situ? but fractured to pieces up to 5")

(13)

Oct 12/94 -10 cloudy
Jerry.

Started fires in Pits #5, #6, #7, #8
Cut wood for Pits #1 #2 #3 #4
Dug out approx 4" each from Pits #5 #6 #7 #8 after 6 hr burn.

(14)

Oct 13/94 -5° snowing
Jerry
Went down to Line #1 and cut wood for fires. Hauled down tools & tin along cut line. Started fires in Pit # 1 & 2 & 3 late to burn to be excavated tomorrow. Went down to mouth of 13 Pup at Victoria G. Trainer had moved u/s Victoria Gulch Checked tailings at both sites lots of qtz jagged float. 1 small qtz peice at top end of Victoria had small peice v.g. attached.

(15)

Oct 14/94 -10° cloudy
Jerry
Cleaned out Pits # 1, # 2, # 3 on Line # 2 Approx 4" each material Soils with fragmented schists

up to 2"-3". Pits had about ½" freezing on top since fires had died last nite. Started fires in Pits # 4, #5 and covered with two layers of tin and layer of moss. Chopped ice out of Pit #9 (spring)

Oct 15/94 (16) -13 cloudy
Jerry

Excavated Pits # 4, #5 Line #2. Holes had not re froze over nite. 4" deep from each pit. Restarted fires in # 4, #5 Started fires in Pits # 1, #2, #3. and double covered them all. Snowing heavy late aft. Took ATV + trailer to Dawson.

Oct 14/94 -22 clear
Jerry

Skidooing to sites. All pits #1, #2 #3 #4 #5 refroze 1" on top of thaw. No more long overnight thaws. Excavated approx 3" each pit. Brn. soils fragmented schists up to 4" very little qtz. Pit #9 (spring) froze so will let alone to freeze good.

Oct 17/94 -18 clear (18)
Jerry

Started fires camp AM Line #2 — Pits #1 #2 #3 #4 Burned (out) down after about 3 hrs (thawed 2") Started another burn in each pit + dug out late aft. Another 2" thawed in each pit. after second fire

(19)

Oct 19/94 -5 snowing (Dawson-Supplies)
Jerry.

Started fires early Line #1. Pits #1 #2, #3, #4. Excavated lake aft. Approx 3" material removed in each pit. No material changes #1, 2, 3 Pit #4 getting tighter fractured schists. Cut wood for pits

(20)

Oct 20/94 -5° snowing (Forest interior)
Jerry (Dawson Rd)

Cut wood for pits on line #1 & Line #2 Cut trees along ditch above line #1

(21)

Oct 21/94 -5° snowing
Jerry.

Started fires along line #1 pits #5 #6 #7 #8. After 5hr burn excavated approx 3-4" in each

pit. Cutting wood during burns.

Oct 22/94 -17° cloudy (22)
Jerry

Fires going on Line #1, Pits #1, #2, #3, #4. Chipped out ice in Pit #9 (spring). Dug out pits #1 #2 #3 #4 after 4-5 hr burn. approx 4" from each pit. Loaded Pits #5 #6 #7 #8 with wood for burning tomorrow. Getting into rythym with multi holes

Oct 23/94 -15 cloudy (23)
Jerry

Started fires in Pits #5, #6, #7, #8 line #1. Loaded wood into Pits #1, #2, #3, #4 on Line #2. Dug out approx 4" from pits on Line #1. Loaded wood into Pits #1, #2, #3, #4 again for tomorrow.

Oct 24/94 -5 snowing
Jerry (24)

Started fires on Line #1. Pits #1 #2 #3 #4. Loaded Pits # 5-8 line #1 also. Had to scavenge up more tin for holes. Loaded wood on Line #2 Pits # 1 #2 #3. After 5 hr burn excavated approx 4" from Pits # 1, #2, #3, #4 Line #1

Oct 25/94 -10 clear (25)
Jerry

Started fires on Line #2 Pits #1 #2 #3 Loaded Pits # 4, #5 and started them. Coil on skiidoo shot got spare on 7 Pup. Pup shot. Dug out Pits #1, #2, #3, #4, #5 approx 3" each. after about 3 hr burn time. Thawing is averaging approx 1.25' per day for all pits burning which

is really not bad for wood fire thawing and the time involved with multi pits going at once. All pits are now ave 2.5' deep except pits #6 #7 #8 on line #2 which have bottomed near surface with large slabby schists & I haunt decided how I'm going to deal with them yet.

(26)

Oct 26/94 -8 clear
Jerry

Started first fire in Pit #9 (spruce) Line #1. Cat wood in area while burning & along ditch to 7 Pup. Only 2" froze in pit but no great amount of seepage from partially thawed ground underneath. Excavated approx 2' after 3 hr

burn. Found nice qtz rock cobble 6"x4" with 4 pieces V.G. attached, one area on rock had leached out sulphides leaving abundant very fine but visible gold. Recovered at approx 4-5' depth. Panned area that sample was found and recovered very fine gold, goethite and minor black sand (all fine) (27)

Oct 27/94 -15 cloudy
Jerry.

Started fires on Line #1, Pits #5 #6, #7 #8. Loaded Pits #1, #2 #3 #4 ~~Abandoning~~ Abandoning Pit #4 at 2' as hole is fractured schists with very little loose materials and could not be found to contain any values to warrant going into insitu

material. Excavated approx 4" from Pits #1, #2, #3.

(28)

Oct 28/94 - 18 cloudy (Dawson A.M.)
Jerry

Started fires on Line #1. Pits #5 #6, #7 #8. Loaded Pits on Line #2 Pit #1, #2, #3, #4, #5. Cut wood along Line #2 while Pits on Line #1 burning. Excavated approx 4" in each pit. Pit #6 seeping water at approx 2.5' material in this pit is (Fractured) crushed schists + qtz up to 2"

(29)

Oct 29/94 - 15 clear
Jerry

Started fires along line #2, Pits #1 #2 #3 #4, #5. Loaded pits on Line #1 (#1 2 3 5) #4 abandoned.

Pit #6 had approx 3" ice. Chipped out ice and observed small amount seepage origin unknown. Surrounding materials frozen. Excavated approx 4" from pits #1, #2, #3, #4, #5 line #2 All pits becoming more competent schists (insitu but fractured, not slide) at approx 2-5'. Abandoned Pits #6, #7, #8. as no material is amenable to placering in its state. Will do one more burn in all pits except ones already abandoned and sample profiles.

(30)

NOV. 3/94 -5 Blizzard.

Loaded pits #1, #2, #3, #5, #6, #7, #8 went off trail in white out + tore off track on Skidoo Dawson - Parts.

(31)

Nov. 12/94 - 25° clear.
Jerry
Started fires on Line #1 Pits #1 #2 #3 #5 #6 #7 #8. Loaded Pits #1 2 #3 #4 #5 line #2 Profile sampled Pits #1, #2, #3 used headlamp to sample Pits #5, #6, #7, #8 (1' sections in sample bags)

Nov 13/94 - 28° clear (32)
Jerry
Started fires on Line #2 Pits #1, #2, #3, #4 #5. Collected tools, tin. Excavated material from pits late (headlamp required) & bagged. All sample bags (50) in cabin for panning. Note that samples were taken from walls of pits, one section approx 1 pan. Materials sections logged with bags.

(33)

Nov 15/94 -30° clear (NOTE: 1st day of sobriety)
Jerry (Dawson AM Supplies)
Hauled water from Upper Bonanza for panning, sorted samples

(34)

Nov 16/94 -28° clear
Jerry
Panned samples from Line #1 Pits #1, #2, #3 #4 logged, changed tub water disposed of tailings after examining coarse fractions for gk with V.G. Panned Pits #5 #6 #7 #8 + logged (24 pans) Changed tub water.

Nov. 24/94 -42° clear (35)
Jerry
Panned samples Line #2 Pits #1, #2, #3, #4, #5 also small samples that were taken above schist slabs Pits? Sites #6, #7 + #8 + logged.

LAKE LABERGE
YUKON TERRITORY TERRITOIRE DU YUKON

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Pour tout renseignement concernant les repères et les bornes altimétriques, s'adresser aux Levés géodésiques, Centre canadien des levés, Ottawa.

ÉTABLIE PAR LE CENTRE CANADIEN DE CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. MISE À JOUR À L'AIDE DE CARTES À GRANDE ÉCHELLE. RENSEIGNEMENTS À JOUR TELS QU'INDIQUÉS DANS LE DIAGRAMME. PUBLIÉE EN 1989.

CES CARTES SONT EN VENTE AU BUREAU DES CARTES DU CANADA, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, OTTAWA, OU CHEZ LE VENDEUR LE PLUS PRÈS.

Roads:	Routes:	dual highway / double chaussée	more than 2 lanes / plus de 2 voies
hard surface	revêtement dur	2 lanes	less than 2 lanes
hard surface	revêtement dur	2 voies	moins de 2 voies
loose or stabilized surface, all weather	gravier, aggloméré, toute saison	2 lanes or more	less than 2 lanes
loose surface, dry weather	de gravier, temps sec	2 voies ou plus	moins de 2 voies
cart track	de terre		
trail, cut line or portage	sentier, percée ou portage		

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

Scale 1:250 000 Échelle

Miles 5 0 5 10 15 20 Miles

Kilometres 5 0 5 10 15 20 25 30 Kilomètres

Magnetic declination 1989 varies from 29°24' easterly at centre of west edge to 29°47' easterly at centre of east edge. Mean annual change decreasing 11.9'.

En 1989, la déclinaison magnétique varie de 29°24' vers l'est au centre du bord ouest à 29°47' vers l'est au centre du bord est. La variation annuelle moyenne décroît de 11,9'.

CONVERSION SCALE FOR ELEVATIONS ÉCHELLE DE CONVERSION DES ALTITUDES

Metres 30 20 10 0 50 100 150 200 250 300 Mètres

Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 500 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 500 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Alaska Highway 23 km

Target areas