

WESTAB

Reid Haines & Tom Morgan's
Prospecting Journal for 1991

72 pages

exercise book • cahier

 wide ruled

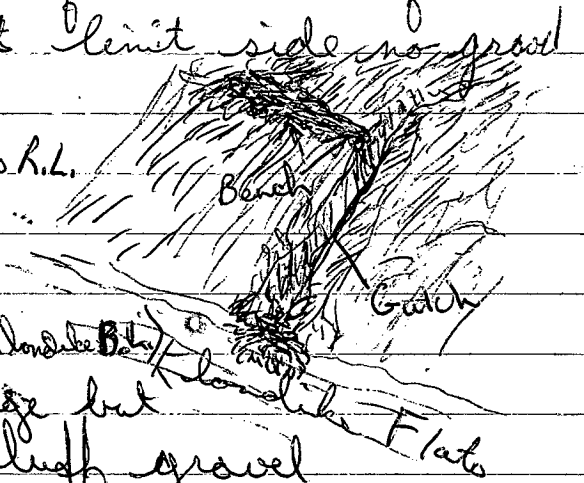
Journal

14 - Drove around to find a spot to get across river, to small deep cut gulch coming into the high limit of Klondike river. It is opposite Bear Cr. and ends what look like a high level bench. Found a side road that went by the river opposite the gulch. The benches appear to start at this gulch and continue down to the Yukon River on this limit of the Klondike R. Above this they (the benches) come in just below Foster Gulch and continue upstream on the Klondike. Packed up some grub and gear to take off over there in the morning.

15 - Walked across river on ice and over to mouth of gulch. Water has cut deep into hill rock, which is a ^{black} ~~grey~~ porphyritic schist with a fair amount of quartz veining in it. All the veins found pinch off to a max. of 20" with no real eye-catching mineralization. All the way up no rounded (water influence)

rock was found, along with no covering of moss or vegetation, just angular slabs of cut schist. Cutting by the water course started to lessen at around 2500' and cut a hard right (looking up) snow was getting deeper and hillside steeper so decided to turn around. We figured this cut was started from the blow out of the old Yukon Ditch pipe line which would explain the deep cutting and the small amount of spring water. On the way back down spotted some rounded cobbles on the right limit side of this gulch. Turned out to be the point of the start of the bench. On the left limit side no gravel could be found.

The Bench on this R.L. edge of the gulch led from here at around 30° or so from (North) Flat. Pung along this edge but could only find stuff gravel and bedrock float.



16 - Went back to digging along edge where rounds were found but around 100' closer to bench flats, 100' or so from top flat (level). Dug 3 more holes, 3' x 3' x 5' deep still hitting rounded unsorted gravel & a green chlorite schist bedrock. Went for a walk along bench flats. We followed the back edge of the flat against the hill for around 2000' and then cut across the bench to the Klondike River, Wood Gulch corner of the bench. Bench continued up Wood Gulch for around what looked like a mile. From the corner back to within 500' of the gulch (blowout gulch) we couldn't find a place that was thawed more than 3' down. There looked to be anywhere from 100' to 50', back to nothing. (Fact of gravel) at the steepest edge at blowout gulch. Found a spot where we dug down 5' and it was still thawed. It was around 300' from blowout gulch and around 80' from the drop off to the Klondike Flats. Will bring bucket tomorrow.

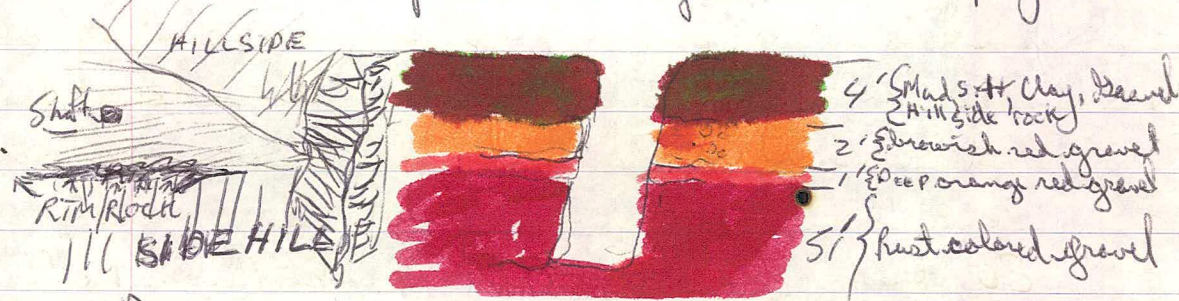


17 - We come back to try and finish.
 The top 4' was a clay, mud, gravel mix.
 The next 2' was a brownish red gravel
 with some quartz cobbles in it.

This went into a ft (1') of deep orange red
 gravel (panned 2 fine colors in it, lots of fine
 black sands) The next 5' was a rust
 color, more red than the 4'-6' layer.

We stopped there as it was sluffing
 in more & more. Noticed the Klondike
 River was flowing on top of the ice.
 Walked across thru 2½' of water at
 the deepest. Glad there was 2 of us.

The strange thing about the gravel from
 4' to 12' was that it was totally dry,
 even dusty. The layer of (C, M & G) (top 4')
 was a cap over the gravel even in spring melt.



Bedrock rim is 80' away. Bedrock
 is definitely dropping as we move into
 the bench as we still haven't hit it.

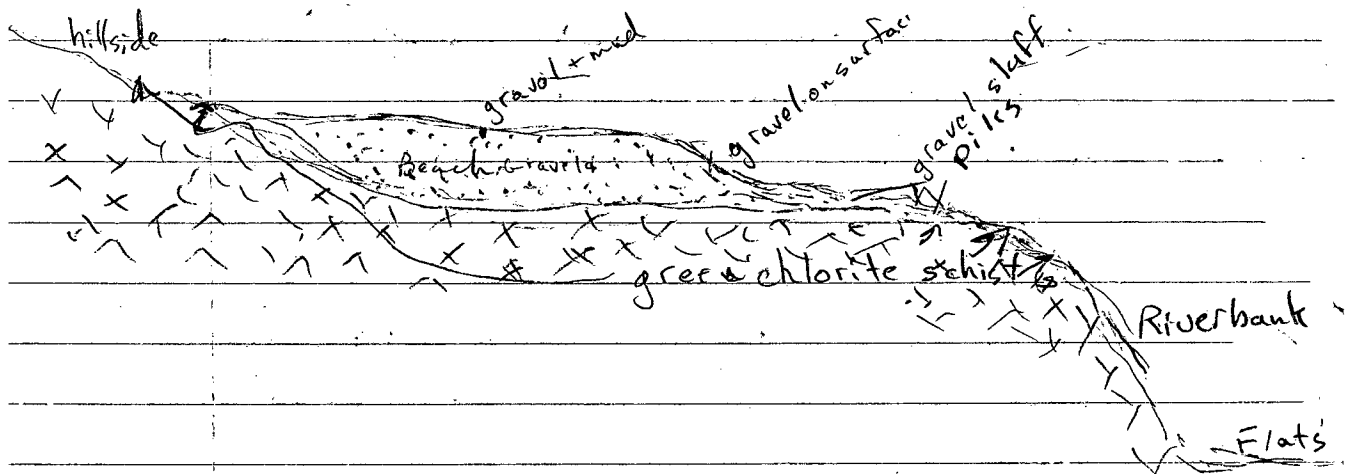
April 23 - We figured the river (Klondike) had calmed down enough with its ice flows and logs to make it across in a canoe. Decided to put in upstream enough to catch the bench that comes in opposite the mouth of Humber Cr. - Australian Hill. Found a side channel opposite the Humber Cr. Road. Went to talk to Andy about canoe and ended up getting a small sluice & pump from him also.

April 24 - Loaded up and picked up camping gear, grub, digging equip., sluice box, pump & canoe. Got canoe in side channel and loaded up and off we went smack into an ice, log jam around 1000' downstream. Finally made it out of that mess and down to where we came into the main Klondike. I stopped at this confluence ~~of~~ & picked our route to make it across the much faster and turbulent waters. Had a hapless trip with logs and ice to make it across to ~~and~~ a side flat which looked like a

good spot to camp. Unloaded ~~and~~,
set up camp had a bite to eat. Went
for a short wander to see that small
gulch had lots of water in it.

April 25. Hiked up gulch + tried digging where
it looked like there was high bench
on both sidebanks. Could only dig in
2' at the most to where I was hitting
frost. Lots of big trees which shade
this gulch well. We went as far
as the drainage (became a trickle)
could find gravels in sidebanks
on the right + left limits of this
small gulch almost right to the end.
Came back on the left limit ridge
which separated ~~the~~ this gulch + the
Klondike River. Found some rounded
gravels in silt mud around the 1800'
level. Washout gravels were appearing
on surface down to around 1600'. After
this down to around ^{+ feet} 1500' could hit
a green schist bedrock with gravel
washout banks on top of it. Some

were only a ft. or less while others were deeper than 5. were we stopped digging. Panned some of this material & found nothing.



April 26 Climbed up onto right limit bench of gulch between it and Foster. Went downstream along bench towards Foster. Went along edge and slope to try and find gravel bedrock contact. Dug in through 3' of gravel on slope and found contact but it was a slide contact & Green schist bedrock again. Around 200' up found another 6' down, still slide material. From here the gravel keeps deepening up to the flats. Looks to be around

150' or so of gravels. We followed these flats along the left limit of Foster up at least a mile before they started to narrow out. Came back along hillside-bench ~~interplay~~ interplay back to top end of small gulch. Went from there along the upper flats of its right limit and back down to camp. Loaded up gear and canoed down to the mouth of Foster and camped there.

April 27

Walked up and onto bedrock point (left limit Foster) where cut work had been done. Bedrock does not look like original old channel ^{bottom}. The bedrock gravel contact looks 100' to 200' lower than the surrounding contacts. There appears to ^{have} been a secondary ^(down) cutting of these ~~strata~~ gravels from the original high level gravels. From here we went up Foster Gulch. The benches go up around 1 1/2 miles on the left limit and over 2 miles

on the right limits. Found two shafts around $1\frac{1}{2}$ miles up, but no real tailings around them. Climbed up onto the right limit bench and followed it down to the Klondike R. On the way up (around 2 miles up Foster) into the bench dug two 3' holes around 300' apart to find an unsorted brown gravel, but no contacts.

Went back to the canoe and put in the head to town as we needed some more grub. Stopped just up from where blowout gulch comes in and dropped off pump & box & camping gear.

April 28

Pick-up grub and loaded canoe which we left at the confluence of the Klondike & Yukon rivers. Put in just down and opposite Foster Gulch and camped down to the spot we'd left our gear. Packed gear over to the mouth of blowout on the Klondike Flats. Left camping gear here and packed pump, box, hose, shovel, pan to a spot in the gulch just down from

where we'd found gravels in the upper side banks. Dug out a recirculation pond and set up a place for the pump and box. Took a number of pans and found a place along the right limit bank where one pan had 3 colors 2 fines in it. Two others had 2 & 1 colors in almost the same spot. Found no color anywhere else from the centre over to the left limit.

April 29

- Finished setting up and got pump going. I hauled dirt while Reid washed ~~made~~ dirt through. Made 27 trips @ $\frac{1}{2}$ cu. ft. per bucket ($\frac{3}{4}$ full) x 2 buckets per trip = 1 cu. yd. Reid and I reversed and then cleaned up at the 2 yd.³ pit. Out of this concentrate got two match head size nuggets and a pinch of fines. Cleared out recirculation pond and decided to haul off the top bank (R. L.) where the rounded washed gravel is.

April 30 -

I took piled $\frac{1}{2}$ yd³ of dirt off the upper bank. Dug this dirt out of the thickest ^{section} ~~part~~ of gravel showing on ~~side of~~ the top bank of this R.L.

Lowered the gravel down in baskets by rope & hook as the bank was too steep to carry by hand. After sluicing this $\frac{1}{2}$ yd³ shut down and saw almost nothing in the box. Cleaned up around 100 colors out of the concentrate, hardly enough to weigh.

We set up the box again and sluice 1 yd³ of material from a spot around 100 ft. upstream from where we found the two match head size pieces. It was the broken bedrock ^(minor) (gravel) material behind a bedrock hump coming out of the right limit. Most of the material was angular graphite schist with the odd round. Upon cleaning up found less than what we got off the top bank (around 60 colors) as

May 1 -

Finished packing gear down and out to canoe. Loaded up and paddled back to town. Weighed weighable sample from 2 yd³ test out at 0.8 gram or 0.4 g/yd³ raw
 $\frac{1}{2}$ yd³ + 1 yd³ samples below scale weight

Klondike - Right Hand Side Benches Prospect Expenses

$$13 \text{ days} \times \$35/\text{day} \times 2 = \$910 \quad \text{--- Living Expenses}$$

$$8 \text{ days} \times \$30/\text{day} = \$240 \quad \text{--- Canoe Rental}$$

$$8 \text{ day} \times \$30/\text{day} = \$240 \quad \text{--- Box + Pump Rental}$$

$$230 \text{ km} \times \$30/\text{km} = \$690 \quad \text{--- Dawson - Klondike}$$

Total mileage

$$550 \text{ km} \times \overset{110}{.3} \times 2 = \$330 \quad \text{--- Trip from Whitehorse}$$

to Dawson and back
at beginning + end of prospecting
Klondike side benches

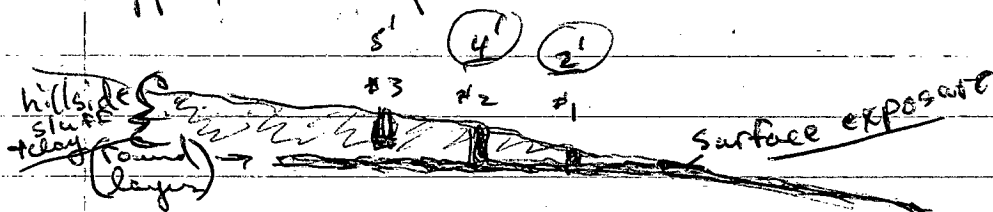
\$1788

July 15 - Came in with Nodwell to Montana Creek from Dan Sabo's in Mayo. Unloaded it at the top of the hill. Went for a drive up Steele Cr. with it to check it out and look at ~~the~~ what appeared to be right limit side benches on Steele. Stopped just before the first major right limit trail to check an old rat trench on the upper flat that runs along the bottom 3 miles at least. The trench was almost totally hillside stuff except for one little zone which was rounded & around 1' thick. Dug a little out to pan and headed to camp. (1 fine color + black sand)

July 16 - Started out from camp at the confluence of Montana - Steele & followed this right limit flat up. We noticed the odd round coming out of the top foot of material along edge of rat work that was done up the first 1500' of Steel (R.L.) chn the bottom of the trenches or cuts

That one here found what looked like a graphite zone and a disseminated sulfide zone bordering it. Piled some samples here and continued upstream.

Dug two holes back ^{1000'} from creek around 1500' past last cut out where sulfides were. The odd round was in it, but it was mostly shuff material (almost all of it). Stopped at trench where we noticed layer of rounded rock yesterday. We dug 3 holes going back into bench material approx 15' apart.

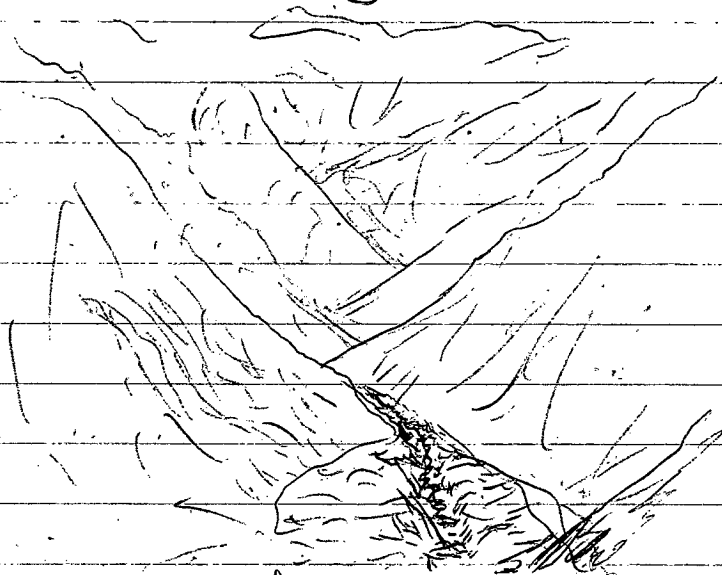


#1 hole hit at 2', #2 at 4' and #3 was 5' but no rounded yet. From these holes the layer was almost flat lying, ~~it is~~ ^{it has} slight sloping with the hill. On #1, #2 + surface exposure water came out of this layer - a steady flow. Layer appears to be shuffing off from some ~~source~~ gravel layer which

from the way the slopes appear to go is covered by a ^(substantial) layer of hillside sluff. On the other side (upstream) of the first R.L. trail, found almost the same in that there was the odd round mixed with sluff-float material & no defined or continuous gravel layer.

July 17 - 4 wheeled up to the forks of Steel around $3\frac{1}{2}$ miles up from mouth. (Main Steel Cr. and Discovery ~~Creek~~) Found a quartz vein which had some sulfides (calcopyrite) in it on the right limit which was around 2' wide, striking NW and dipping steeply into the bankside. Followed Discovery Cr. to within a mile or so of its source. Almost all the way the creek has cut deep (8' to 10') into the mud layer under the moss & trees. Looks like recent cutting as the trees and chunks of moss and mud have sluffed in and over with no new vegetation on the cut material. The valley is steeply V'ed and cross cutting. We found 3 more shafts, 2 by the mouth and the other, around $\frac{1}{2}$ mile up from

there. The one up above had some gravel tailings beside it which we panned but found nothing. Couldn't find any exposed gravels other than these. Bedrock should be going up and down steeply by the way the valley ridges plunge alternately back and forth



This type of bedrock topography would ^{be} a good rifle effect & ^{be a} good coarse gold collector. Bedrock is a schist (green schist) towards the top end and a green gneiss from the mouth up $\frac{1}{2}$ mile (Extrapolations)

made
we pulled from the Killido bedrock.)
This same type of bedrock & situation
(structure) can be seen on Hunker,
Gold Bottom, Upper Bonanza, Eureka
(which it heads from) to name a few.
Will have to try a shaft when time permits.

July 18-

Took off for the upper forks of
Steel (No. 13 Pup + Steel Cr.). Found 4 shafts
between Discovery Cr. and 13 Pup, on the
Main Steel Cr. The two just below the
forks had ^{around} a thirty ft. long x ten ft. wide
tailings pile each. The other two at
about the end of the present claims had
no visible tailings. On the upstream
one of the shafts with tailings found
2 small colors in a pan, nothing spectacular.
Noticed at these forks up, the bedrock
was a schist (green about). The same
back & forth action was noticed here
as on Discovery. There were a couple
straight stretches where the creek
widened. There was hardly any downcutting
into the mud like Discovery Cr. down.

1/2 mile up from the confluence of
13. Pup & Steel Cr., on Steel, another small
Pup comes in where another shaft was.
It was by the creek and had sluffed in
badly, hard to tell how much was
done here. Will have to come back
to check these upper ends more.

July 19 - Went into Dawson to get food, fuel
and supplies for shafting up Chalean Cr.

Steel Cr. Prospecting Expenses

4 x \$35 x 2	= 280	Living Expenses
3 x \$100	= 300	4wheeler rental
115 km x .3 x 2	= 70 70	Dawson ↔ Montana Trip Dawson ↔ Mayo Trip

July 24 Came out to Montana Cr. from town. Rain is making the roads sloppy, had to 4x4 up Sureka hill.

July 25 I went down to lower Montana Cr. camp on 4 wheeler for a load of camp gear & steamer parts while Reid loaded up the Nodwell and serviced it.

July 26 Reid went up ~~the~~ Bismark for pump, hose, shovel, bar & gas, while I put together a pressure, blow-off valve system & two point header for steaming. Reid had a rough trip in the rain getting stuck and having to unload a couple of times.

July 27 Finished loading Nodwell, went to start off and Nodwell wouldn't go. Found that water had dripped on distributor. Dried it out and got Nodwell going, then tarped it over as it was getting late and still raining. Hopefully, lets up by morning.

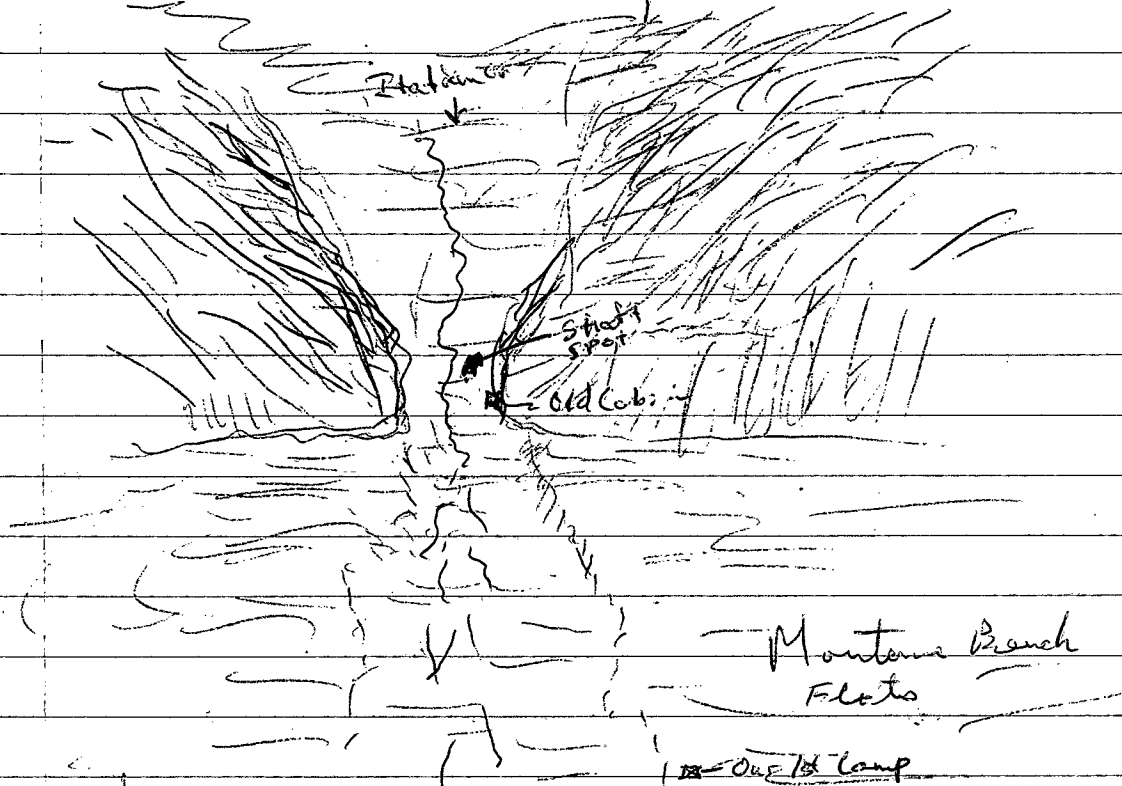
July 28.

Still raining, took off anyway. Reid drove Nowell + I drove the 4 wheeler. Montana Cr. getting almost too high to cross, good thing the bridge was there. Made it up without getting really stuck once to the mouth of Italian Cr. Got over to bench corner where a good flat was for camp. Set up tent and stove, cut some firewood & set things up for the night.

July 29.

Rain finally stopped, still cloudy though. We took off to go scout out a site for the shaft. Figured on a spot at the narrows at the mouth of Italian around 800' up from where the ~~Montana~~ hillside edge of the Montana Cr. bench sits perpendicular to Italian Cr. Around the left limit hillside and old cabin is around 200' away. The wide bowl like character of Italian Cr. funnels through

a 400' wide x around 1000' long
narrows at this point.



We figured above this would be one
of the best spots to check if anything
was coming out of altation. Bedrock
ridges and up and down ^{in the bedrock}, look like they are
here. On the way back we flagged
a route out and slashed what needed
cutting to make it a route.

July 30

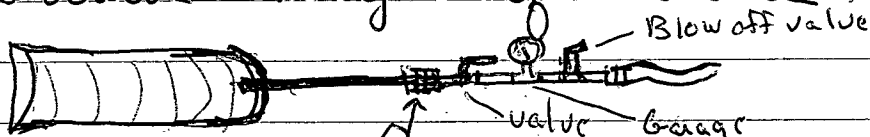
Loaded up 4-wheeler with steamer hose, fittings, tools, etc. and off to shaft site. Had to cut out a little more of the road, 4-wheeler trail to make it through easier. Made three trips to the hill for rocks to make a fire pit to set the steamer up, while Reid cut out the moss to start the shaft. At a foot below the moss hit frost. Reid went for wood while I put together steamer and filled it with water. Saw enough sunshine to bring the bugs out in full force, but it did dry things up a little bit.

July 31

Got up to see some sun peaking thru the clouds. Lit the steamer and kept the fire going and points bubbin' for around 5 hours. Slopped out 4' of mud and sticks after that with buckets and scoops. Pretty messy & wet. Went back to camp lit fire and dried out.

Aug 1

I went for wood while Reid set up pit a little bit better, filled steamer + put together fittings. Lit steamer and got points steaming. We steamed around 2 hrs. when the hose blew right before the valve coming out of the tank.



No pipe threads on this end of pipe coming out of tank, so we connected the ~~tip~~ two pipe ends with a ^(piece of hose) hose sleeve and hose clamps. This is what blew out. Lost all our steam. Reid figured he knew where a piece of $\frac{3}{4}$ " \times 8' long pipe with both ends threaded was, in some of the steel he'd hauled to the end of the road at the mouth of Steel Cr. I tried mucking out, while Reid went for pipe and coupling. Steamed holes were only around 1" across each so couldn't get down. Started to drizzle a bit. Reid had a sloppy rough trip, but got pipe + coupling.

Aug 2

Put fittings together filled steamer went for wood (having to haul it around 200' now) ^{we} ended both working on the - Had to bail out around 2 1/2' of water out of hole. Took a while to get steamer going as the woods wet, but got enough pressure to keep points bubbling for around 4 1/2 hrs. Built a hanging ladder to muck out from, as the mud is like quicksand, if you try standing on it. Mucked out around 2 1/2' of this section mud, before we said the bell with it and went to dry off. Had drizzle and intermitant rain all day.

Aug 3

Bailed around 3' of water out and mucked another 1 1/2' of mud soup out before hitting frost at 8 1/2'. Steamed away ^{but} the bottom of the hole is a little bowled out from where we left the bottom mud sit. I filled up the steamer and put everything together. Reid went with 4-wheeler to get wood from a

small stand upstream. After finishing, putting things together, Reid ^(skipped) made it back with a load of logs. We started the fire and Reid went for another. Finally got the pressure up so that the points would go in and then had to bail out 1' of water while the points were going in. At 3' we hit gravel, bailed some more out, & ~~soak~~ ^{soak} the points ~~to~~ to 4'. Was hard to keep the fire going strong with the wet wood and rain. Went for another load of smaller wood and kept it going around 10 psi +, (down to 5 psi, twice) for 5 hrs. + We pulled the points then and called it quits.

Aug 4

Woke up to more rain. Went up to the hole to find around 5' of water in it. Managed to bail it out, even though water is coming in fast. Mucked out around 2' before we were totally soaked & went to dry off. Italian Cr. is higher than I've ever seen it. Went over to Montana Cr. from camp and saw it

higher than I've ever seen it. It was flooding its banks which I've never seen it do.

Aug 5

Rain stopped, but it's still cloudy. Hole is almost full of water. Creeks are still as high as I've ever seen them. Packed up gear in a cache ^{that} we figured would be bear bait, got the Nodwell going and took off back. Left 4 wheels, as the road was hard navigating on the 1st when things were not half as wet. Almost the whole Montana Cr. flats were flowing like one big river. Parked the Nodwell on the side bench up from the flats as the bridge is washed out, and so we can't make it across with it. Figured it would be safer there as the water was flowing around the old Dawson trail cabin beside the creek (a high spot on the flats), as well as the whole flats. Bucky got across on a high log, wild water in the creek bed.

~~The~~ With the truck in 4 wheel drive made it to Eureka Cr. where we parked ~~side~~ on the Montana side of it. Walked across planks ~~over~~ Eureka and got a ride from there to the bridge (Canadian River) it was washed out also. Some miners from Blackhills had it set up to walk across on the fallen high beams and planks. Caught a ride with ~~from~~ them in a pick-up they'd arranged to have on the other side, (some guys we caught a ride from ~~at~~ Richard Allan, Eureka Cr.) to Dawson.

Aug 6 - Drove out with Reid's truck to Canadian River to catch a ride back to Eureka Cr. and on to Montana Cr. in my truck. The boys from Blackhills almost drowned their truck getting across Eureka Cr. On the way down into Montana Cr. had to cut down and fill in a washout but nothing serious. Decided to head up the creek in the morning. Rain has stopped anyway!

Aug 7. Water has dropped enough to see the twisted remains of the Montana Cr. bridge around 25' or so downstream. Rodwell started up no problem and away we went upstream to the Italian Cr. camp. Went up to hole to find it full of water, all 10 1/2' of it. Used kids' pump to try and dewater the hole. Pumped out around 6' to where it seemed to be holding. There's too much surface water + little channels cutting to the shaft now. Will have to wait for the surface to dewater or dry up. At least it was sunny all afternoon.

Aug 8. We hiked up right limit ridge to see some of the upper end of Italian. An interesting right was a ~~shift~~ / fault running from the upper end up the left limit of Italian and over to Montana Cr. Also noticed what looked like big benches running up Left Fork of Montana.

from this same ridge. This creek (Italin) opens up into a huge bowl, unique from all the other creeks I've seen in the Montana area. Headed down and across itation to where the line of shift was. Lots of nigger-heads, and buck-brush + logs to make our way through and over. On the left limit bank found a graphite float zone. Followed this shift and graphite from there, over the ridge and down into Montana Cr. The crossing path is where the Montana bench (at) narrows and rises by 1000' and 50' respectively. This zone looks the same and lines up with the one at the mouth of Italin that we checked July 16. A lot of seepage comes out ^(the downhill side) below where this, what I'd assume to be a fault, crosses.

Aug 9- Rain again, packed and took off as fast as we could for the creeks had been dropping. Made it to town, driving through the Indian River. We almost drowned out but made it.

Aug 10-

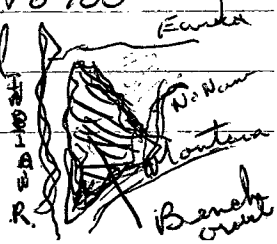
Left Dawson just after 8:00 am
Got in just after noon and 4-wheeled
down to below Stowe. From there we
hiked over to where a right limit
bench comes in or starts on Montauk.
It seems to be a continuation of
the Bismark - Stowe channels or
at least a ~~direct~~ influence of them.
Dug into the side where the flats
start (of the bench) and found gravel.



The gravel was reddish brown. ~~No~~
bedrock was reached. Followed where
the hillside and the bench come
together. This lines right up Bismark
It looks like No name Cr. cuts a fair amount of bed

Aug 11 Reid went up to stake Bismark upper lease, while I went off the road/ridge down into the left fork of Moname Cr. Found nothing interesting until it looked as if Moname started to cut ~~the~~ high level Indian River benches around 2 miles from the mouth. There was two shafts around 1000' apart. One had some tailings under a layer of moss which panned black sand, no color. It was a fairly wide beveled valley with nigger-heads and brush-brush, no gravel to be seen at all.

Aug 12 Reid & I took off down Montana Cr. to where we were cross from the desertian bench corner where Noame comes in. Too rough to make it across with tubular so we hiked over and up. Looks like a thick layer of gravel 50' + by the layer of stuff gravel coming off. Walked down Montana and then over towards Eureka. There was 50' + to 100' gravel piles or humps throughout this area. Found at least 5



different tiers of gravel, some of them
not consecutive either in ~~order~~

A lot of cutting and redepositing
of gravels took place here. It's such
a huge deposit of gravel to figure
out where to start or find bedrock
easily. Bank is around 3000' across
below the mouth of Kureka on the Chudai
river to around 15,000' to 20,000' across
where Montana comes in. (Following the
Montana line)

April 13: Went into Dawson and recorded lease

Aug 16 Didn't get out of Dawson till around 4:00pm and into camp after dark.

Aug 17 Hiked up between Hidden Treasure and Conglomerate. On the sidehill (right ^(Hidden Treasure) limit) around 2000' up found two pits dug by old timers. There was sandstone with some quartz pebbles in it; ~~found~~ in and around these pits which were around 500' apart. Both were sluffed in a lot and were 4' deep by 5' square (approx.)
Pete kept on climbing up and around the top of Hidden Treasure. From there we could see up Montana Co. and Bismark Co. (a little bit). The big benches coming out of Bismark line up on the right limit of Montana Co. that we were checking on the 10th. Really notice it from here. On the ridge between Montana Co. and Hidden Treasure ran into three different tiers or benches before the creek flats. The 1st one was around 300' up above the 2nd which was around 100' above the first which was around 30'-40' above the creek flats (these are vertical distances)

Aug 18

We 4-wheeler almost to the mouth of Conglomerate Cr. where we had to stop because of mud holes and uneven terrain. Creek is narrow at the bottom and then boulders out a bit ^{up to} a flat ~~top of~~ ridge. Because of all the nigger heads we climbed up along the east, or left limit slope of the creek. Found a area of quartz conglomerate float coming out of the hillside that ~~looked~~ ~~was~~ was fairly consistent for 250'. This was around 3/4 mile up from the mouth.

Dug out a pan of it in the ~~most~~ ~~consistent~~ best looking conglomerate (decayed). Found some black sand and garnet in it. On the right limit hillside (west side) near the head of the creek there was old timers pit (3) on a quartz conglomerate zone. I mashed up a clump of it that was by the 1st pit and found ^{black sand} ^{garnet} + small ~~color~~. This zone bordered and pinched off into what looked like a sandstone

Aug 19

Rided up and along ridge between Stowe & Bismark up to the head of Vermont Cr.
~~Found~~ The same altered granite that's in the bench test pit was half way up to where the ridge flattens. There this granite ended the green gneiss started and went till the upswing of the next saddle in the ridge. From here it looked like a weathered dolomite where outcrop poked thru. Just before the head of Vermont Cr. ~~We~~ found in a sandstone slide area (downside coming into this saddle) sandstone with some quartz pebble seams in it. They⁽²⁾ were only around 1" wide & striking NW ~~in~~ⁱⁿ the hole we dug to a solid base of sorts (1' down) & (6" apart) the seams were. There was more sandstone going up the little dome that Stowe Cr., Vermont Cr. & Kitchener Cr. form, but that's all we noticed. The Bismark benches can be seen running down, out & across to the other limit of Montanal Cr. clearly from this dome.

Sept 11 Back from Whitehorse and asked Jerry about $\frac{1}{4}$ and like to go into Rosebute Cr.

Sept 12 Left Dawson and stayed at Montrose camp, Reid driving Jerry's truck with me following in mine. Loaded Reid's 4-wheeler into my truck.

Sept 13 Finished loading rest of camping and prospecting gear and took off around noon. We stopped as close as the road came to Eureka Dome. We were able to 4-wheeler a ways until the buck brush became too thick on the route we picked. We decided to hike along the ridge to see more and ease the frustration of bouncing over buck-brush. There was two large quartz veins ~~100'~~ apart about a $\frac{1}{3}$ of the way between the road and the dome. The first one was around 4' across and the second was close to 7'. Couldn't find anything in them except a little iron stain. Followed them for around 100' where they went into

a quartzite. We found some more of this same type of veining on the way, ~~which~~ up to the dome. None of them appeared very interesting. We made it to the dome where we could see Child's Bend, Eureka and Wounded Moose; an hour before the sun went down.

The upper trib. of Wounded Moose Cr. had the same character or look as the Right Fork of Eureka Cr. and Child's catch.

Sept 14 Decided to go over and check this trib. of Wounded Moose Cr. as we found what looked like a possible route to the dome for the four-wheelers. Made it over to the dome, having to chop only a couple spots for the bikes. On the way down into this upper end noticed that the slide rock was a green chlorite schist right to moss cover where nothing could be seen. On a left limit cut bank noticed more schist and ~~some~~ quartz in the slide material.

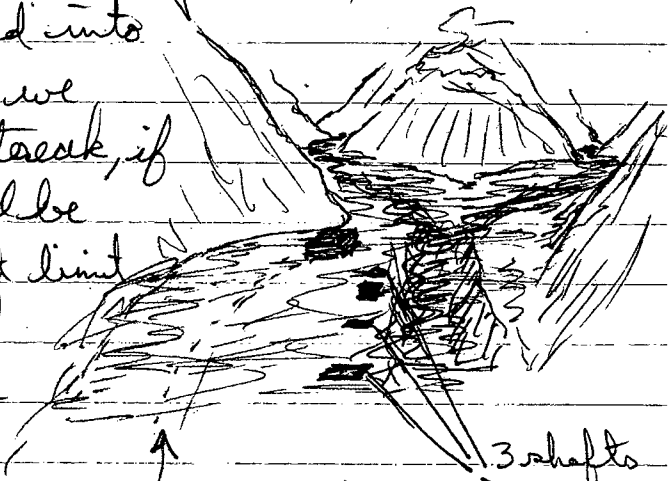
There was no old workings on the 1 1/2 mile stretch of upper end we covered. The fact that it is cutting creeks and heading where it does ~~was~~ ^{is} good enough reason to try and dig here some day. Climbed back up to 4-wheelers and headed back to trucks.

Sept 15 Loaded up 4-wheelers and camping gear and off to Rosebuds. Stopped to ~~check~~ ~~the~~ look at the upper end of Black Hills and Henderson as well as Left Fork Montana which looks really interesting. Looks like a classic high-benched system of ~~open~~ ^{old} creek channels. Set up camp where the mining on Rosebuds had taken place.

Sept 16 We 4-wheeled down this left fork on a cat trail. There is a cabin site on almost every claim on this left fork. By the way the angular slabs in the upper gravels it appears that the old timers worked a good portion of this fork. The gravels are only from #4 to #8.

deep (from cat cuts and old timers work) which would account for the extent of old timers work done here. At the forks the valley widens to around 2000' from the 500' to 800' of the fork. Dug into the side bank by the creek where some gravels were exposed just down from the forks. (500' down) Reid found 2 colors along with a fair amount of black sand + garnet.

There was a cabin and 3 shafts in a row parallel to the base line beside the creek. From the way the creek widens here, setting head into the Right limit, we figured the pay streak, if there is one, would be between the right limit bank and the line of shafts. A mile down



where the creek was forming good pay streak could be sized bars, on the upside of an inside here running under the cabin

R.L. Head found a pan with around 10 fine color.

On the way back up went up the right fork
 $\frac{1}{2}$ mile. Bird spanned 3 color out of a side
bank, pretty fine ^{color} though. It was then back
to camp.

Sept 19 Bounced our way down to within 5
miles of the mouth of Rosebute Cr. Lots of
big rigger-heads on this road once you're
past the forks. Some side benches started
coming in a mile down from the forks
on the left limit. Around $3\frac{1}{2}$ miles down
on the right limit a bench started to
come in. They ^{dit} looked to be around 400'
above the creek flats. We climbed up
and walked along this for close to a $\frac{1}{2}$ mile.
We dug a 4' hole 100' back from where we could
see rim rock coming out. There was a
mixture of rounded rock and fractured
gneiss. We went back another 100' and dug
in 3' and hit frost still in mud.
Tried another ^{dit} around 500' downstream,
100' or so from the rim again. There was
a little more gravel here but not an actual
inplace layer of it. Took some of this

down with us and panned it down. Didn't find any color, just a little black sand + garnet. The creek at this point was doubling back on itself quite regularly. I took a pan out of a fresh cut side bank + got nothing. Reid panned one of the widest bars at the head of it and found 5 fine colors. Headed back to camp after that.

Sept-18 Left the Left Fork of Rosebate Cr. and drove over and into the Right Fork. Stopped at the first major wash out and 4-wheelered from there. Noticed one cat trench with some gravel showing on the upper claims. 4-wheelered close to three miles downstream around 2 miles from the forks. Road is in worse shape than left Forks by far. Decided it would be just as easy to walk from here. On a corner where the creek had cut in and exposed some gravel and slate rock, we dug in around 3' ~~and~~.

I took a pan from under a 3' wide slab at the back of where we were digging and found a gold and manganese conglomerate pebble, which upon smashing turned into around 10 colors. We took another 6 pans out of here, but found only a few tiny colors. Went downstream around another $\frac{1}{2}$ mile but couldn't find any exposure of rock or gravel, just moss, mud, buck brush and nigger heads. Made our way back and camped on a flat by the truck.

Sept 19 Packed up our gear and 4-wheelers and off to Dawson.

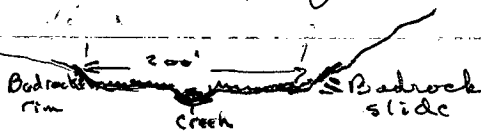
Sept 20 Found Jerry at Chuck's and dropped off 4-wheeler and truck. Picked up some more gas and food and headed back out to creek.

Sept 21 Loaded up. Nowell with rest of gear. Stopped at Station Cr. camp and picked up tent + stove, then up to Left Fork Montana. Looked around a bit and decided to

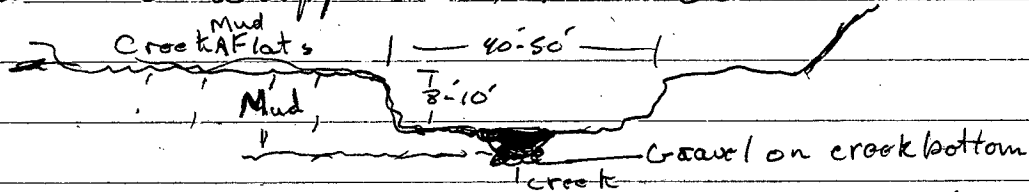
set up camp around 1000' up on a little flat, 200' from the creek.

Sept 22

We checked around to see ~~if~~ where we figured the best spot for a shaft would be. The narrows from the mouth up around 2500' looked like a good spot. After this stretch the valley widened out to at least twice the width. Right at the head of these narrows would probably be a good catching, dropping point for Au.
so a possible shaft spot. Dug into a left limit sloping flat which looked much the same as the ~~to~~ main Montana Creek left limit bench. Quit after 4' of nothing but hillside slide rock or decayed bedrock. No rounded gravels could be seen at all. This was just below Black Cr., left Fork confluence. At this section it was around 200' across from bedrock rim to bedrock rim on the actual nigger head creek flats.



From these creek flats to the actual water course it dropped 8' to 10' in the mud



There was some good size gravel and boulders on the creek bottom. It was hard to get at this gravel, but managed to get a span of it. Lots of black sand but no gold in it. Dug two more 3' holes along what looks like a left limit bench but still no rounded rock.


Sept 23 We went up to check upper right limit flats around 400' or so above the creek. We put in a line of holes at approx. 100' intervals \perp perpendicular to the creek baseline into the upper flats. The first 3 holes hit a green gneiss bedrock at 2', 3' + 4'. It was all decayed bedrock, except the last one which had 1' of mud on top. The fourth hole hit frost 2' under a good layer of moss. After that we followed

this flat up and along the right
limit of Black Cr. We found no
rounded rock going where up here
only gneiss ^(along edge) bedrock or ^(300+ ft. in from edge) (mass, mud & frost)
Would be interesting to dig shaft
well back from the rim. Followed
it halfway over to Steel brand back

Sept 24 ^(Left Fork) We went up creek checking a number
of terraced ledges running // parallel
to the creek. On all of them we ran
into decayed bedrock, slide material.
Didn't find any stream washed
cobbles on any of them: They all ran
on the left limit between the ^(level of the) creek
and the bench on the right limit
which we ~~to~~ followed yesterday.
There were 3 of them ^(20-40 500' across) from $\frac{1}{2}$ mile below
Black Cr., Left Fork confluence ~~up~~ to $1\frac{1}{2}$ miles
above. ^(small) From here they looked to be
4⁺ ledges, flats, all discontinuous until they
disappeared into a deep ~~at~~ switch backing
Vee cut valley. There was still the right
limit flat which ran to within, what

looked like two miles of the uppermost
tribs. Between Reid and I we dug at
least 20 shallow holes and never
found one rounded washed piece
of gravel on any of these, what look
like, side benches. It's like everything
except the very bottom gravels have
been wash out of this valley.

Sept 25 We made our way up to the upper
end into the deeply Veed crosscutting
regions of this Left Fork of Montana.
We followed the left limit ridge to see
what might be going on, on the right limit
flat which extends over to Steel Cr.
Around 4 miles up from the mouth of this
Left Fork got a good view of this
huge flat extending over to Steel and
down to Fisher Cr. We also noticed a
~~do~~ slight depression flowing across
Black Cr. and coming out into Montana Cr.
just above where Fisher Cr. flows in. This
could be the center line of an old
channel, (if it exists).

We cut down off this left limit ridge over to where it looked like this flat started and the hillside ended. Creek at this point is extremely narrow with green gneiss slide rock coming off a steep right limit valley wall. There were 4 ridges  cutting this valley within around 1500 ^{of creek length} which should create some good traps if the gold is here. We climbed up ~~and~~ to where this flat started & dug a few shallow holes 150' back in from the edge. Found only fractured gneiss again with no rounds. This drainage system is strange.

Sept 26 Off to town, Dawson, for more grub and gas.

Sept 27 Made it back out to creek from Dawson. Reid decided to stay at the lower camp so that he could break up the steel lease to clear his name for staking another lease. I went up to the Left Fork camp so I could take off from there in the morning. Reid said he'd meet me there tomorrow night.

Sept 28: Kid staked Steel Cr. into claims while I liked up to intersect the Italian Cr. fault that we followed over into Montana Cr. on Aug. 8. Made it up to the head of Italian's left limit where we started following this fault zone on Aug. 8 over into Montana Cr. From there I followed the topographical, vegetative shift that went with this zone intermittently. This zone was a swampy mess after the head of Italian Cr., right up ~~to~~ into Bismark drainage. A lot of water seems to be coming out of the zone and adjacent to it. This goes from Montana Cr. over to the headwaters of Bismark Cr. Other than a large amount of seepage nothing could be seen but nigger-heads and stunted spruce from the headwaters of Italian Cr. to first right limit trib. of Bismark which heads out of this zone. There seems to be ~~much~~ ~~more~~ ^{rock} exposure from Italian Cr. over to Montana Cr. and up by the mouth of Steel Cr. We'll have to get samples from that end.

Sept. 29

We hauled up to California from the Left Fork camp. The creek is deep cut and fairly narrow. The left limit has a steeper slope and goes up a lot higher ^{than the right limit}. On the right limit at the mouth of it there was what looked like a bench. From here it looks as if it narrows out until the first right limit ^{tribe}, where it becomes ~~prominent~~ ^{prominent} again. This stays that way right up to where the three upper end tribes come together. On the left limit just up from the mouth found the same green gneiss that we were finding on the Left Fork coming out of the side bank. Just below the confluence of the first right limit tribe that comes into California we had dug some gravel out of the bottom of the stream bed which had a ting color in it. Could find no ^{old} workings whatever on the creek, right up to ~~to~~ where the top three tribes come together around 3 miles up. This would be worth checking out further for that reason alone in this country, let alone the deep cut, and apparent high benching.

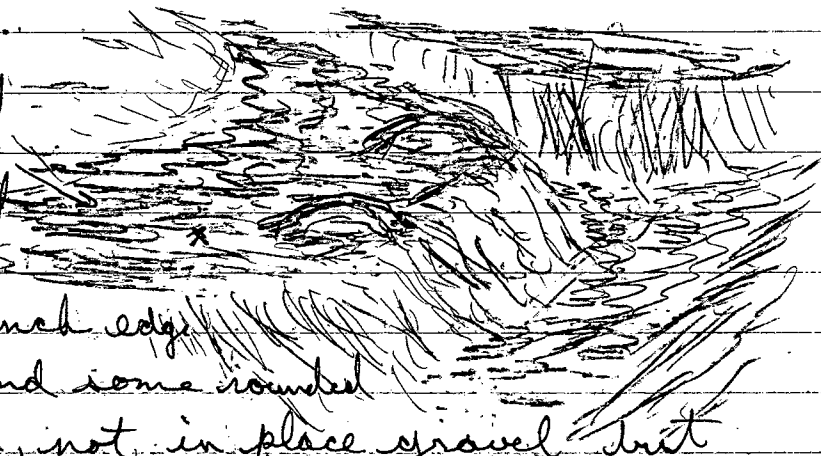
Sept 30

Hiked up onto the upper flat 'thats'
at the confluence of Montana - California
on the right limit. Found the same
wide bedrock rim and no gravel that
was on the Left Fork Montana.

Around 1500' downstream from the
first right limit trib: on the bench
edge there was a bedrock hump or
island. This hump was some kind of
altered granite as far as we could tell.
There was another one of these humps
right at the corner of this upper
flat too.

We dug
a hole
in about
100' from
the bench edge
and found some rounded
material, not in place gravel but
it was ~~with~~ rounded and on this upper
flat back from the edge. Tried digging
back in more but ran into frost.

From this way this flat flows



in behind these bedrock islands and the rounds we did find there will be an old ^{intact} channel of gravel there.

Found the same wide rim with the odd round back in from the edge right up to where the three upper forks comes together and the bench ends.

Oct 1 4-wheeled 3 miles up from the Left Fork on the ~~the~~ main Montana Cr. $\frac{1}{2}$ mile below where the main left limit Montana Cr. bench starts. The cat trail ends at this 3 mile point. Found an interesting spot for a shaft just ^{above} where the bench starts (left limit). The three main upper tribs come together in an area just above where a left limit ridge comes putting into the valley. The point of the bench start is maybe 900' below, or downstream of this ridge. From here the bench widens to a max. where the Italian Cr. comes in. Here again no



old workings of any kind could be found. We've come to the conclusion that the upper ends of ~~these~~ Montana Cr. including California Cr. have ~~not~~ been prospected before in (shafts to bedrock). The Left Fork and ~~the~~ mid-Montana Cr. have ~~only~~ been superficially checked with minor cut trenching in upper grounds and shaft ^(Left Fork) sinking on bench edges ^(mid-Montana).

Oct 2. Headed back to Dawson to pick up some things & food to go shafting on Left Fork Montana & recorded Steel Cr. Claims.

Oct 3. Finished picking up the last few things and made it out to the creek & packed everything up to head up to the Left Fork in the morning.

Oct 4. Made it up to camp and hauled steaming gear up to the head of the narrows - 2500' or so up from the mouth. It looked like we'd catch ~~the~~ an upswing in the bedrock at this spot coming into the narrows.

The creek had downcut around 8' into the mud from the surrounding sigger-head mud flats. It was right against the left limit side of this downcut in the mud that we squared out a shaft site in the thawed surface mud & moss.

There was only a foot of thaw that we could dig out on this N^e facing side.

We set ~~up~~ up the steamer and hoses and called it a day.



Oct. 5 - We went and got wood and water, filled up the steamer set up the wood around it & lit the fire. Blew a hose going to one of the points, but managed to replace it before we lost too much steam. Steamed for around 5 hours then pulled the point out. We mucked out 3' of mud and 1' of reddish brown gravel. This is the same gravel that seems to overlay everything in this valley system. The side that blew was a little narrow but nothing serious. Started to snow as we finished.

Oct 6

Kid went for wood while I filled steamer with water and hooked things up. Let it, got the pressure up and points going in. It's hard driving the points as the gravel seems to be getting bigger and well washed. Could only get the points down part way. One I got down 3', the other only 2½'. Steamed around 4 hrs. then pulled things out. Kid started mucking while I got some buckets ready to haul dirt. Marked down to 8' one side, and 7½' on the other. The gravel is still reddish brown, but with more large rocks (1' to 1½'). Panned 2 flyshit fine colors out of this gravel, nothing special.

Oct 7

Needed some rope, stuff we have is in rough shape and too short, as well as a hook and pulley for hauling buckets out. Headed to town to get this and pick up some more grub and gas to make sure we have enough for the duration.

Oct 8

Got out of town around 3:00 pm and back into Montana Cr. camp after dark + loaded pump, box + rest of gear.

Oct 9

Made it up to Left Fork Montana Cr. Shaft still in good shape. We went about framing in the top of it with logs as well as plugging up the gaps between the outside log edge and the mud edge of the shaft with logs + moss. After that we built a tripod with pulley for hauling dirt out which set over top of hole.

Oct 10

Filled steamer and set it up while Reid went for more wood. Lit the fire, built up pressure and found out the hose was plugged with ice. Tried thawing by wrapping it around the fire. Blow-off valve kept on blowing off steam. Managed to burn a hole in the hose trying to thaw it, but most of the steam + hose still wasn't thawed. Decided to take hose back to tent and

hung it up around the stove to thaw.
Fixed the burnt section and drained everything
we could out of it.

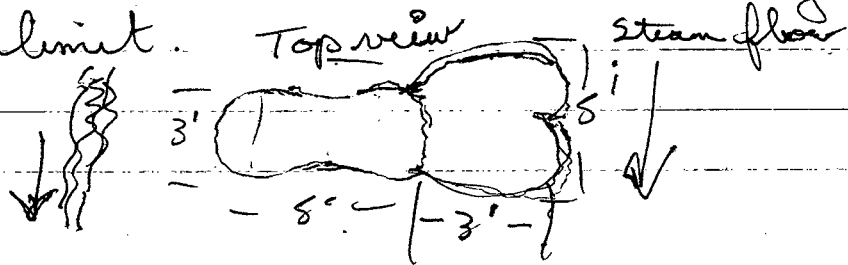
Oct. 11 Put hose back together, filled steamer
and lit fire, enough wood left from
yesterday's abortion. Reid started to
drive points while I went for more
wood. After a couple of tries Reid
managed to get the points down $2\frac{1}{2}'$
2 hours into the steam. After 4 hrs
points still ~~wouldn't~~^{wouldn't} go down any more.
so we pulled them out and proceeded
to muck out. I mucked while Reid
hauled buckets. The gravel at the
bottom of the hole in frost ~~was~~ started
to get a brownish green color to
it. It is still coarse cobbles with
hardly any silt or clay in it, being
well washed. Nothing in the pan except
one fine flyshit color, even the black
sand and garnets are fine. Shaft is
at just under 10'

Oct 12

I went for wood while Reid put things together and filled the steamer. Let it, got the pressure up and started driving the points. I got them down $1\frac{1}{2}'$ where it became a ^{impermeable} wall to drive them thru. During the next 3 hrs. managed to get them down another 6 inches and that was it. Reid pulled buckets while I mucked. Hit a blocky green gneiss bedrock at $1\frac{1}{2}'$. Panned ~~to~~ 6 pans total of this material. There was a 6 color ^{sample}, a 2 color ^{sample}, a 3 color ^{sample}, a shunk 0 color (above bedrock) + two 1 color pans.

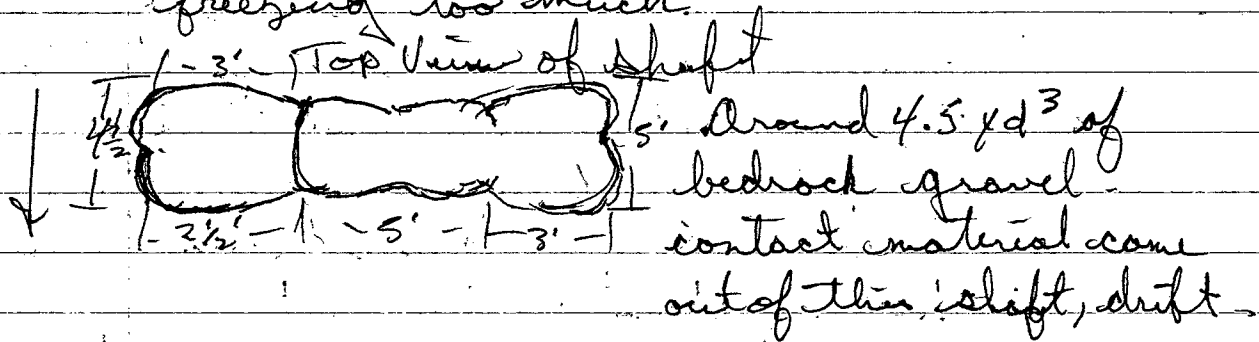
Oct 13

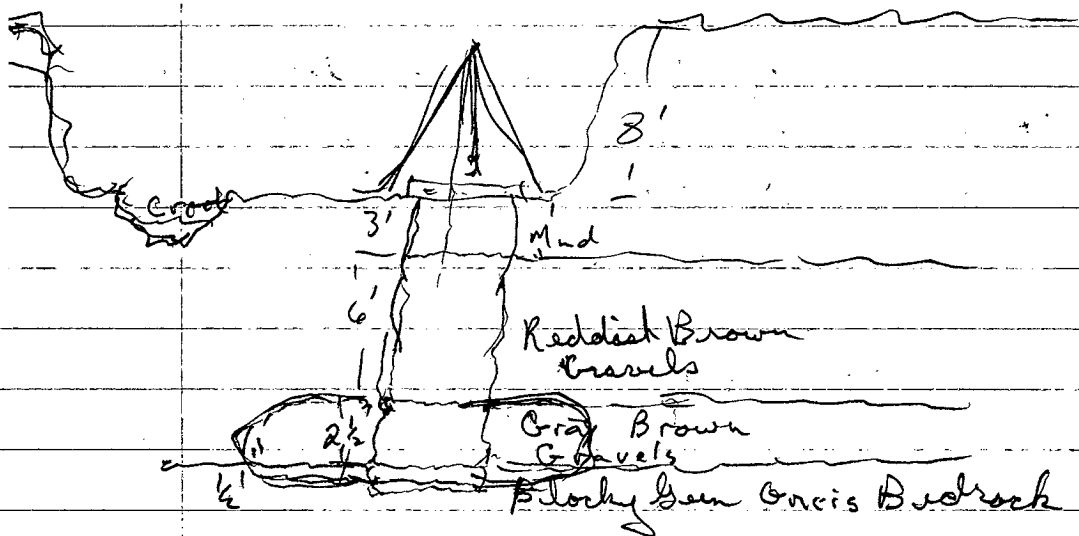
We put everything together, got more wood and got the steam up. Drifted into the left limit around 3' with both points. Took 4 pans out of this material. (1) 4 colors (2) 2 color 4 flyshit (3) 1 color 3 flyshit (4) 4 flyshit. Bedrock looks to be rising into this limit.



Oct 14/ Got enough wood put together steamer, filled it up and started steaming. Bore points into right limit. Got one in 3' on the upstream side and the other on the downstream side went in 2 1/2'. Took an hour and half to get this in and another 3 hrs, of cooking before we pulled them out. Reid started digging while I hauled buckets. Bedrock dropping toward this limit, almost a foot.

Took 3 pans before dark one had 3 colors in it, the other two had 3 and 4 color according. Covered over the pile to keep it from freezing too much.





Oct 15 Set up sluice box and pump and sluiced around 2 yd³ of this bottom 3' of material. Some of it was frozen and hard to wash. We got this much through before box started to ice up, where we shut down and took the mats back to camp to span down. Reid cleared up around hole, drained hoses and packed gear up to hid back. Panned out mats and got 1.2 grams raw Au. as weighed on a spring scale. ∴ 0.6 gr/yd³

Took off to Montana Cr. camp with Nodwell and most of the gear.

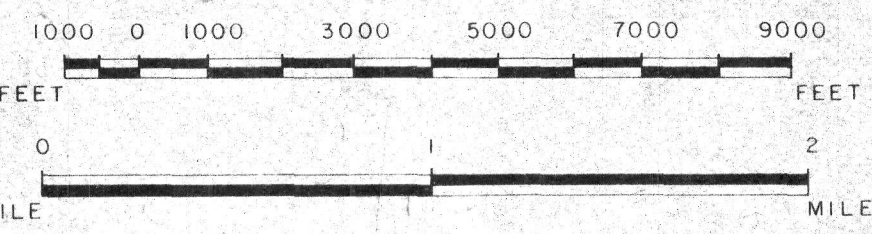
Oct 16- Loaded up Rodwell and took off
to San Sabo's in Mayo where we unloaded
and headed back to Montana Co.

115-0-11 PLACER

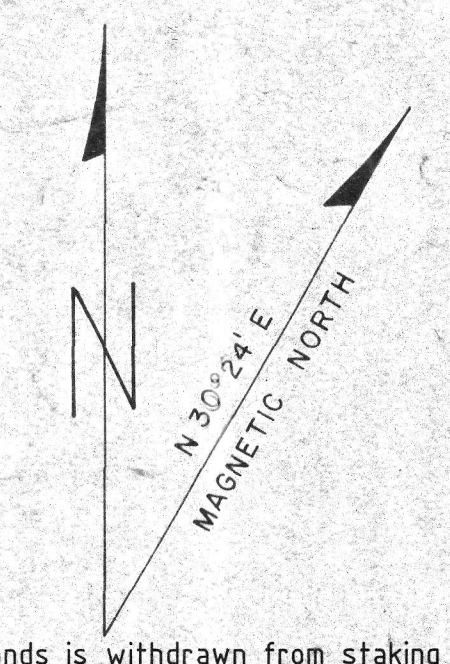
LATITUDE 63°30' TO 63°45'
LONGITUDE 139°00' TO 139°30'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
MINING AND LANDS DIVISION

SCALE 1:31,680



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115-0-13	115-0-14	115-0-15
115-0-12	115-0-11	115-0-10
115-0-5	115-0-6	115-0-7

NOTICE

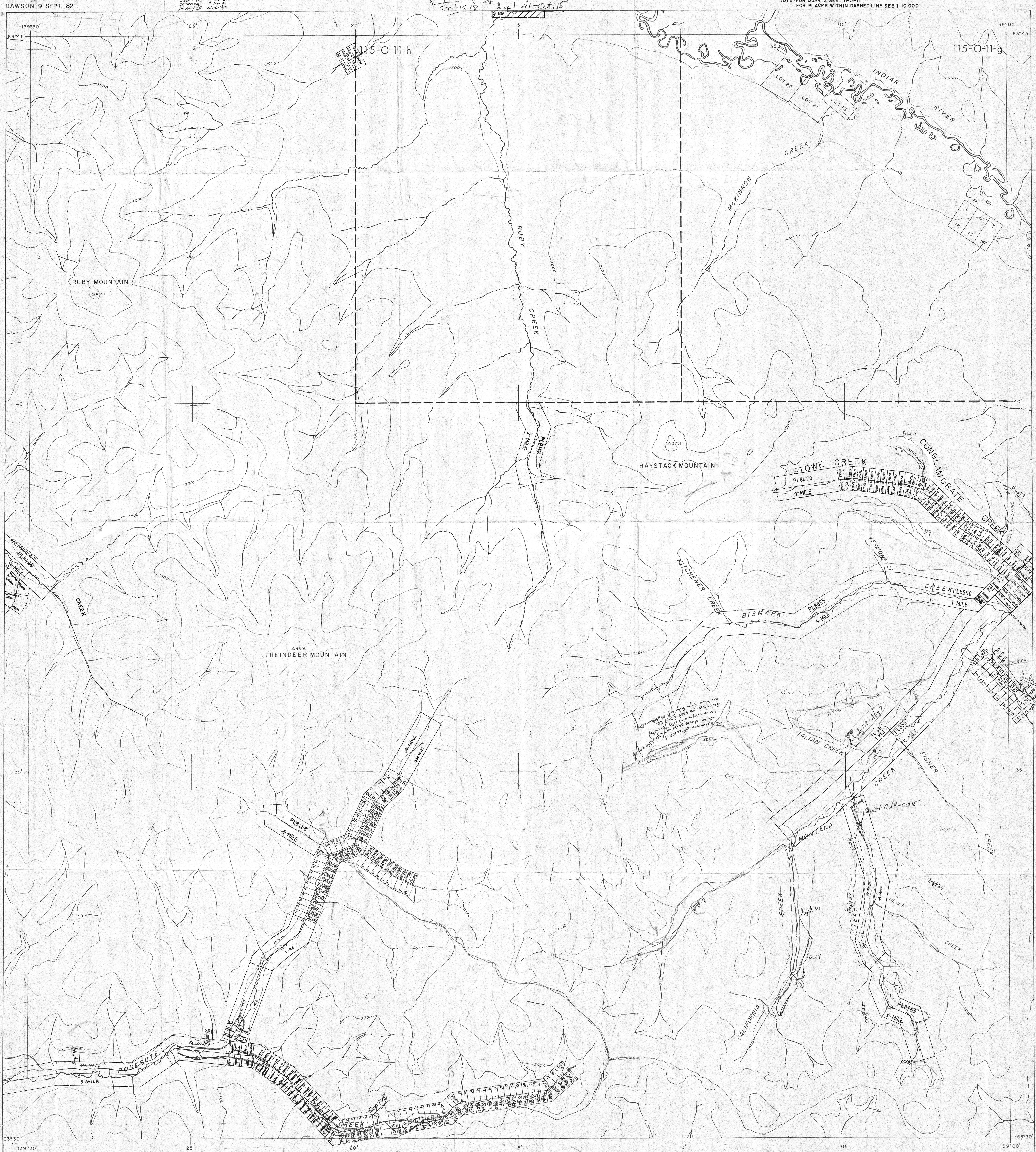
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CONTOUR INTERVAL 500 FEET
SURVEY INFORMATION COMPILED FROM
LEGAL SURVEYS, BY DRAFTING SERVICES
1982.

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*July 16 July 25-Aug 8 Aug 17-19
Sept 15-18 Sept 21-Oct 15*

NOTE: FOR QUARTZ SEE 115-0-11
FOR PLACER WITHIN DASHED LINE SEE 1:10 000



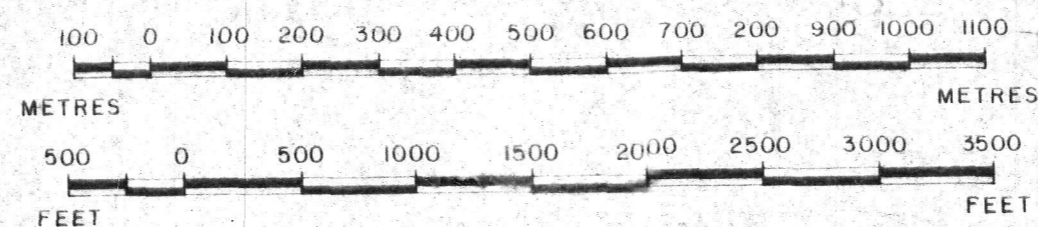
DAWSON 9 SEPT. 82

PLACER SHEET 115-0-10c

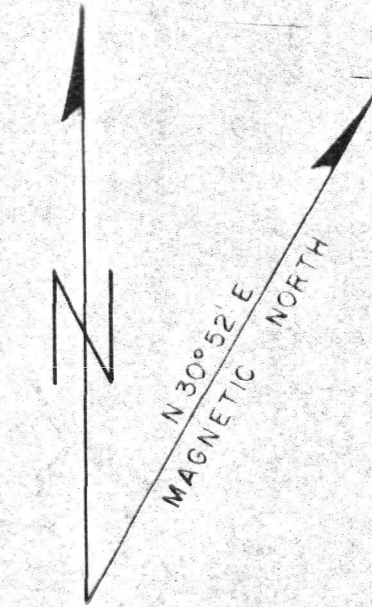
LATITUDE 63° 50' 10" 63° 55'
LONGITUDE 138° 50' 115-0-10c

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115-0-11f	115-0-10g	115-0-10e
115-0-11a	115-0-10c	115-0-10b
115-0-6g	115-0-7i	115-0-7h

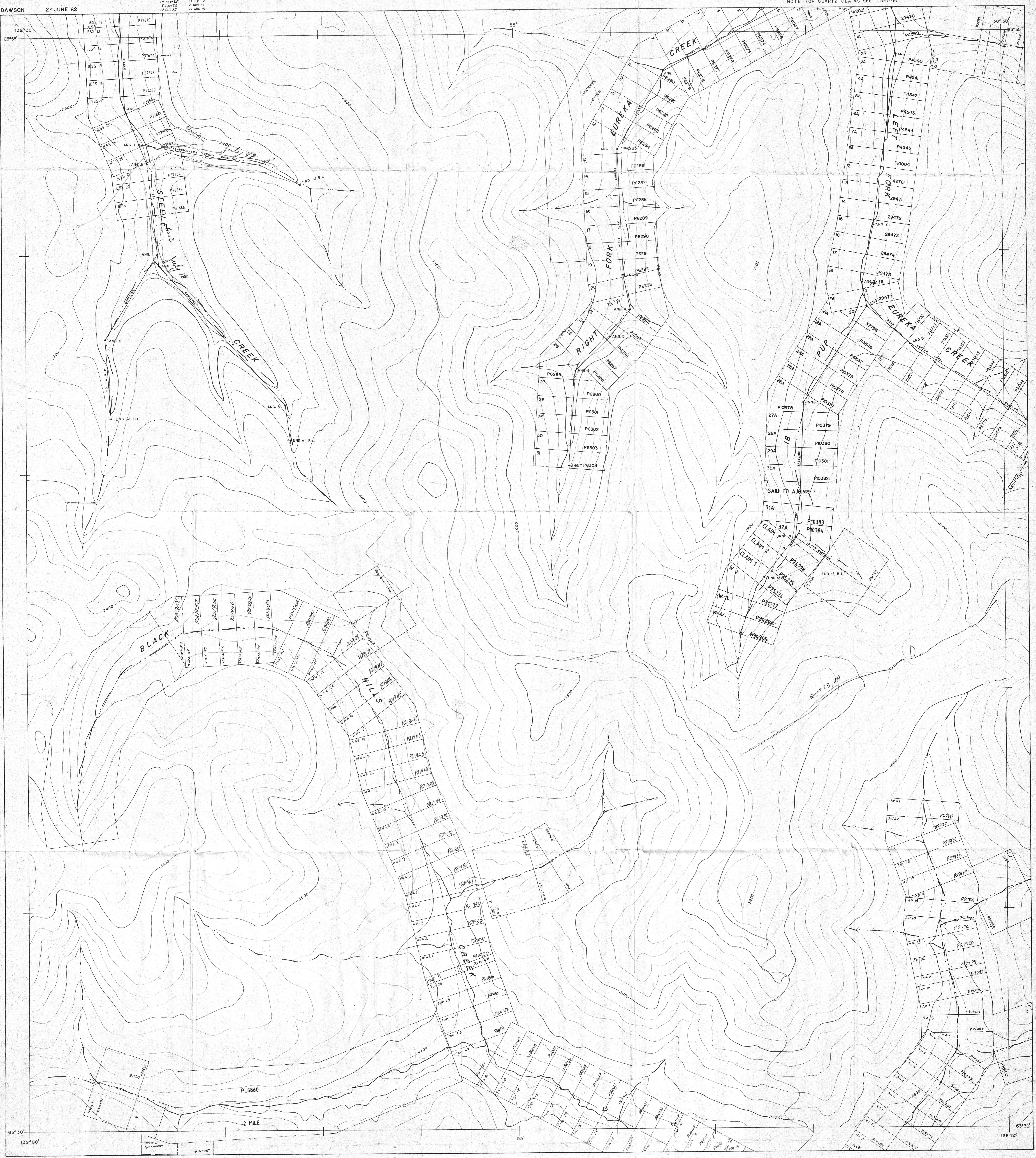
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SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS BY DRAFTING SERVICES 1982

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NOTE FOR QUARTZ CLAIMS SEE 115-0-10



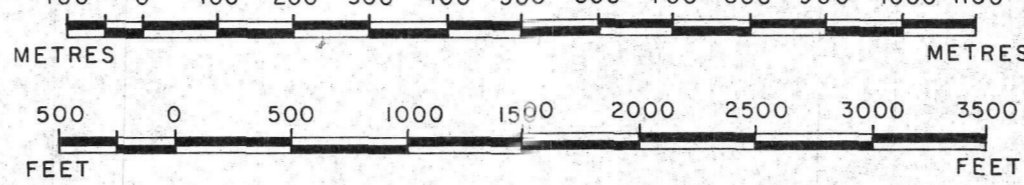
PLACER SHEET 115-0-10b

LATITUDE 63°30' TO 63°35'
LONGITUDE 138°40' TO 138°50'

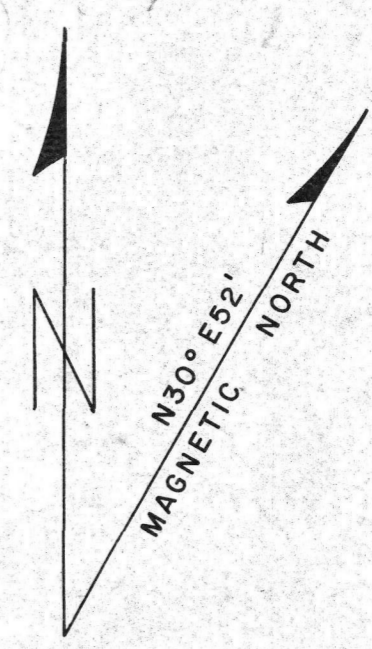
CANADA

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NORTHERN ADMINISTRATION AND LANDS BRANCH
MINING AND LANDS DIVISION

SCALE 1:10,000



ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF
NORTHERN AFFAIRS AND NATIONAL RESOURCES



115-0-10d	115-0-10a	115-0-10f
115-0-10c	115-0-10b	115-0-10e
115-0-7i	115-0-7h	115-0-7g

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

13 AUG 91
21 NOV 90
16 NOV 89
4 NOV 88
4 OCT 88
6 SEP 88
15 AUG 88
20 JUL 88
24 JUN 88
1 MAY 87
4 APR 86
29 OCT 85
22 SEP 85
21 AUG 85
20 JUL 85
27 SEP 85
26 NOV 84

TOPOGRAPHY COMPILED FROM
1:50,000 NATIONAL TOPOGRAPHIC
SERIES
CONTOUR INTERVAL 100 FEET
SURVEY INFORMATION COMPILED FROM
LEGAL SURVEYS BY DRAFTING SERVICES
1982.

DAWSON 24 JUNE 82

July 17-18 Nov 2-3

NOTE: FOR QUARTZ CLAIMS SEE 115-0-10



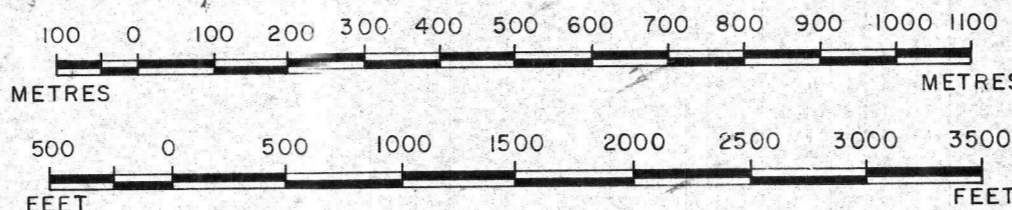
PLACER SHEET 115-0-10d

LATITUDE 63°35' TO 63°40'
LONGITUDE 138°50' TO 139°00'

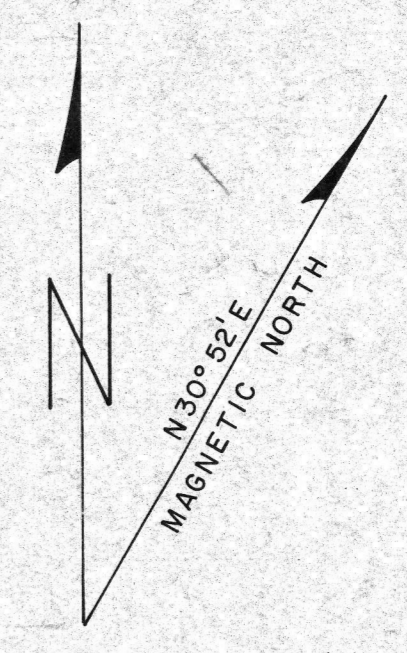
CANADA

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
MINING AND LANDS DIVISION

SCALE 1:10,000



ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES



115-0-11g	115-0-10i	115-0-10h
115-0-11f	115-0-10d	115-0-10e
115-0-11a	115-0-10c	115-0-10b

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TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.
CONTOUR INTERVAL 100 FEET
SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES 1980.

15 JULY 82
23 JUNE 82
5 FEB. 82

NOTE FOR QUARTZ CLAIMS SEE 115-0-10



