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Feb. 28/93

Y.M.I.P. 92-035

Y.M.I.P.
Karen Pelletier
Mining Development Officer

Dear Karen:

Please find enclosed my diary, map, technical report, summary, receipts, mandays, mileage and table of contents for my Y.M.I.P. April 6/92 to Feb. 28/93.

Thank-you
Morey Smith

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Mandays - 55.0
Mileage - 1454.6 km
Receipts - 3.0

Diary.

Oct. 21/92 Back on claim!

Oct. 21/92 - Oct. 31/92. Setting up camp, collecting firewood and other stuff for winter.

①

Travel

Nov. 1/92 8:30 A.M. (-7°C) Overcast - Light skiff of snow last night. Unsealed shaft #1. Cribbing held up very well. Mucked out bottom. Installed hoisting bucket platform. Works well. Tool chain in place. Snow lid on. Burned 3 brush piles left over from Spring. 4 inches snow in bush.

②

Nov. 2/92 8 A.M. (-7°C) Overcast
1st fire in shaft (on the small side). Good heat penetration, 1-2 shovel blades deep. Started excavating

③

Nov. 3/92 8:30 A.M. (-9°C) Overcast. Started snowing 11 A.M. to P.M.

④

More excavating and hoisting to surface. Squaring up walls.

Nov. 4/92 8:43 A.M. (-4°C) Overcast. Still snowing. (5")

⑤

Seems to be gravel under this sandy-clay. Squared it up and mucked out to this layer.

Nov. 5/92 9 A.M. (-3°C) Overcast.

⑥

Gravel layer was 3" thick, decomposed and lots of iron oxide. More sandy-clay with rusty bands running thru it. Took 2 test samples of this material. Zippo. This stuff is all hawed, either by the fire or being exposed all summer or it wasn't frozen in the first place.

⑦

Nov. 6/92 8:37 A.M. (+10°C) Warm & Overcast.

- ⑦ Dug out half the shaft floor, stockpiled on the other half, started loading, hoisting & dumping.

Nov. 7/92 8 A.M. (-6°C)

- ⑧ More loading, hoisting & dumping. Loosened up and started stockpiling other half of shaft floor.

Nov. 8/92 8:40 A.M. (-12°C)

- ⑨ More loading, hoisting & dumping

Nov. 9/92 9 A.M. (0°C) Overcast. Warm & Windy

- ⑩ Finished excavating this level.

Nov. 10/92. 8 A.M. (-5°C)

- ⑪ Picked & loosened up more material and started hoisting & dumping.

Nov. 11/92. 8:45 A.M. (-13°C)

- ⑫ Mornings & days are a little bit cooler. Just the surface of the floor of the shaft is frozen. I remove in clumps and it's still thawed underneath. Excavated & hoisted. Still sandy-clay material.

Nov. 12/92 8:52 A.M. (-7°C) Overcast. light skiff of snow and still snowing lightly.

- ⑬ Made some good ground today, a foot or more. Still gotta muck it out. Material is wetter. A little bit of water is coming from some place.

Nov. 13/92 9:30 A.M. (-20°C) Overcast.

- ⑭ Floor came out in clumps and more mucking out.

Nov. 14/92 10:06 A.M. (-12°C) Overcast.

(15) Loosened floor up and started excavating.

Nov. 15/92 11:40 A.M. (-5°C) Overcast

(16) Mucked out the rest of that level. Shaft walls are starting to freeze, 1/2 inch. Days are getting shorter.

Nov. 16/92 9:53 A.M. (-12°C)

(17) More digging, picking and loosening up of floor and getting material out of the way. Started hoisting & dumping.

Nov. 18/92 11:05 A.M. (-12°C) Cool

(18) More loading, hoisting & dumping.

Nov. 21/92 10:04 A.M. (-24°C)

(19) Floor is wetter. Finished mucking out muck. I now know where the expression muck comes from.

Nov. 24/92 Into Whitehorse - Geoscience Forum

(20) 314.6 km.

Nov. 25/92 Warm.

(21) Floor was frozen, chipped away, floor came out in frozen chunks. Mucked that out.

Nov. 26/92 Warm.

(22) Nice pool of water on floor. Bailed that out. Mucked out some more. Water is either seepage or thawed frost with this warm weather. We'll see

Nov. 27/92 11 A.M. (-11°C)

- Bailed out 3 pails (15 gals.) of water. Mucked out:
(23) Gained some depth and dug past water seepage. Water is coming in thru a hair-line crack. Floor is like quick-sand. Wet & mucky, but easy digging.

Nov. 28/92 9 A.M. (-4°C) Warm.

- Hauled out 40 gallons of water. Re-arranged ladder scaffolding, installed 2 more bucket platforms.
(24) Works well. If I dig a small hole in middle of floor, water drains into this, bail this out every now and then, I got time to work before I need to bail it again.

Nov. 29/92 Bailed more water (70 gals.) Mucked out some more.

- (25) Dec. 2/92. 10 A.M. (-8°C) Clear blue sky.
(26) More bailing & mucking out.

Dec. 5/92 Into Jct. to scare up some 2x6. Found some at the dump. Loaded 'em up and brought 'em home.
(27) 45 km.

Dec. 6/92 De-nailed 2x6's. Replaced all 2x4 scaffolding in shaft with 2x6. Re-arranged all scaffolding in shaft. While I'm figuring out what to do with all this water in shaft, I'm gonna work on shaft #2.
(28)

Dec. 7/92 Dug shaft #2 out from underneath snow. Picked away & excavated. Gravel & boulders.
(29) Little bit frozen. Snow on lid must have acted as insulation. (Day-light, -22°C)

Dec. 8/92 Day-lite (-13°C)
Shaft #1. Broke thru 3" of ice. Bailed out, took
(30) 2 1/2 hours. Squared up one wall, mucked that out.
The deeper I dig the more I gotta bail out.

Jan. 14/93. Back in shaft. (-20°C) clear sky.
Digging, hoisting & dumping material that sluffed
(31) down from behind latest wall.

Jan. 15/93 9 A.M. (-14°C) Overcast.
Finished digging, hoisting & dumping sluffed in
(32) material

Jan. 16/93. 10:30 A.M. (-22°C) Light Overcast.
Chopped thru block of ice. Bailed out water, chopped
(33) up rest of ice and hauled it out. Started mucking
out bottom of shaft.

Jan. 17/93. 10 A.M. (-6°C) Warm. Slightly overcast
(34) Bailed out & more mucking out of shaft.

Jan. 18/93 9 A.M. (-6°C) Warm. Dusky.
(35) Bailed out shaft. Mucked out material.

Jan. 20/93 10:30 A.M. (-15°C) Overcast.
Bailed out water. Finished mucking out. Ready for
(36) another set of cribbing. But first, must plumb walls,
square them up and haul out material. Need a
make-shift hoist to haul out water.

Jan. 21/93. 10 A.M. (-25°C) Overcast.
(37) Wandered thru bush, selected and marked 3 trees
suitable for tripod legs for hoist. I'll leave them
(5)

until pulley, rope & drill are secured. For now I'll use an old log across top of collar cribbing and throw a rope over log and hoist buckets. I'll see if Madley can order me pulley and rope, if not, I'll order from catalogue.

Jan. 22/93 10 A.M. (-31°C) Blue Sky.

Into Jct. Madley can't get rope and pulley. Maybe Nelson's in Whitehorse.
45 km.

(38)

Jan. 23/93 10 A.M. (-31°C) Overcast. Cool.

Log across top of collar is a little hokey for a hoist. I may have to go to town for pulley & rope. Water freezes fast on anything it touches. Things start to crack or break. I'm gonna give it a rest until I figure out what to do or until it warms up, whichever comes first.

(39)

Feb. 4/93 5 A.M. (-26°C) Dark

Into Whitehorse for supplies, rope, pulley and maybe a pump from Nelson's. He can't help, neither can Yukon Explosives. Canamet has the pump I need (\$1000.00) and an idea on how to rig up a one-way hoist. Seen Karen about pump. I'll think about it.
335 km.

(40)

Feb. 9/93 5 A.M. (-15°C) Dark.

Into Whitehorse to rent pump. Got pump, yahoo, 1000 down for damage deposit and 359.52 a month. Take it back Mar. 11/93
335 km.

(41)

Feb. 12/93. 9 A.M. (-7°C) klarm. Gonnabe, a nice day.

(42) Shovelled snow off shaft. Set up pump & generator. Chopped thru ice in shaft (1 foot). Pumped out & hauled out ice. Pump works

Feb. 13/93. 9 A.M. (-3°C) Overcast

(43) Set up pump & generator again. Pumped 'er out. Pump is working pretty spitty. I couldn't do it without it. Shaft walls are frozen solid as rock. Took down propane torch. Blasted North wall with torch. Wall thaws $\frac{1}{4}$ to $\frac{1}{2}$ inch at a time. Peel material off with shovel blade & mattock, it'll work. Loaded, hoisted & dumped material. Worked into the night. Hooked up 12 volt trouble light to battery and down the shaft. Works well.

Feb. 14/93. 9 A.M. (-3°C) Overcast.

(44) Set up & pumped 'er out. Put the heat to the East Wall. Scraped material off. Loaded, hoisted & dumped material. Out of propane!

Feb. 15/93 8:30 A.M. (-13°C) Overcast.

(45) Into Jct. for propane and flat faced shovel for shaving the walls. Shovelled slab pile out from underneath snow, square set pile and trail to shaft in order to accommodate toboggan to haul generator & pump to & fro shack to shaft.
45 km.

Feb. 16/93. 9 A.M. (-12°C) Partly Overcast.

(46) Set up. Pumped 'er out. Little film of ice on top. Put the heat to the east wall. Loaded, hoisted & mucked it out. Gotta try something different.

Feb. 17/93. 9 A.M. (-15°C) Overcast.

Set up & pumped 'er out. Pump switch is haywire, shorting out generator. May have to take it back. I need a small airtight wood stove with damper & one length of stove-pipe down shaft, to get the deep heat I need to thaw all four walls at once.

(47) But for now I'll use my metal wash tub with some gravel in the bottom and build a bonfire in it, lay that on top of the floor, put a piece of 4'x4' sheet metal 6 ft. up to contain the heat. Works well, saved myself 5 days work. Just have to touch 'em up a bit.

Feb. 18/93. 10 A.M. (-16°C) Blue Sky.

(48) Set up & pumped 'er out. Pump goes back Monday. Started mucking out what I shaved off the walls.

Feb. 19/93 9 A.M. (-20°C) Cool, but a Nice Day.

(49) Pumped 'er out. Finished mucking out material from walls. Pump give up the ghost.

Feb. 22/93 6 A.M. (-17°C) Dark

(50) Into Whitehorse to exchange pump. Got it fixed. 3 bad connections in pump, 2 in control box 335 km.

Feb. 23/93. 9 A.M. (-13°C) Clear sky

(51) Chopped thru ice. Pumped 'er out. Chopped up ice and mucked that out. Started heating & hammering away at lower taper of shaft. Material that fire missed.

Feb. 24/93. High Noon (-20°C) Overcast.

(52) Pumped 'er out. More heating, hammering & picking, loading, hoisting & dumping of this frozen material.

Feb. 25/93 9 A.M. (-10°C) Slightly Overcast.

(53) Pumped 'er out. Mucked 'er out. One more day and it should be ready for timbering. Seems wierd to have to shore it all up, being frozen solid, but it all thaws out in the summer and caves in. So crib it all up!

Feb. 26/93 9 A.M. (-10°C) Overcast. Light Snow

(54) Pumped 'er out. Picked & hammered away & heated it up. Got the taper out of it. Now just the corners. Pump is woser than my worst nightmare. Things are starting to thaw.

Feb. 27/93 9 A.M. (0°C) Warm & slightly overcast.

(55) Pumped 'er out. Thawed & mucked out 3 corners One more and ready for timber. Worked on report in the evening.

Feb. 28/93. 8 A.M. (-6°C) Slightly overcast

(56) Pumped 'er out. Heated & thawed last corner and shaved off last of missed taper. Mucked this all out Now it's ready for timber. Worked on Report rest of afternoon and evening.

Map:

SHEET 115A-14

Lat: $60^{\circ}45'$ to $61^{\circ}00'$

Long: $137^{\circ}00'$ to $137^{\circ}30'$

CANYON - Marshall Creek, Haines Tct., Y.T.

↑
North

Legend

#S#1 = Shaft #1 ($5\frac{1}{2}' \times 15'$)

#S#2 = Shaft #2 ($5\frac{1}{2}' \times 3\frac{1}{2}'$)

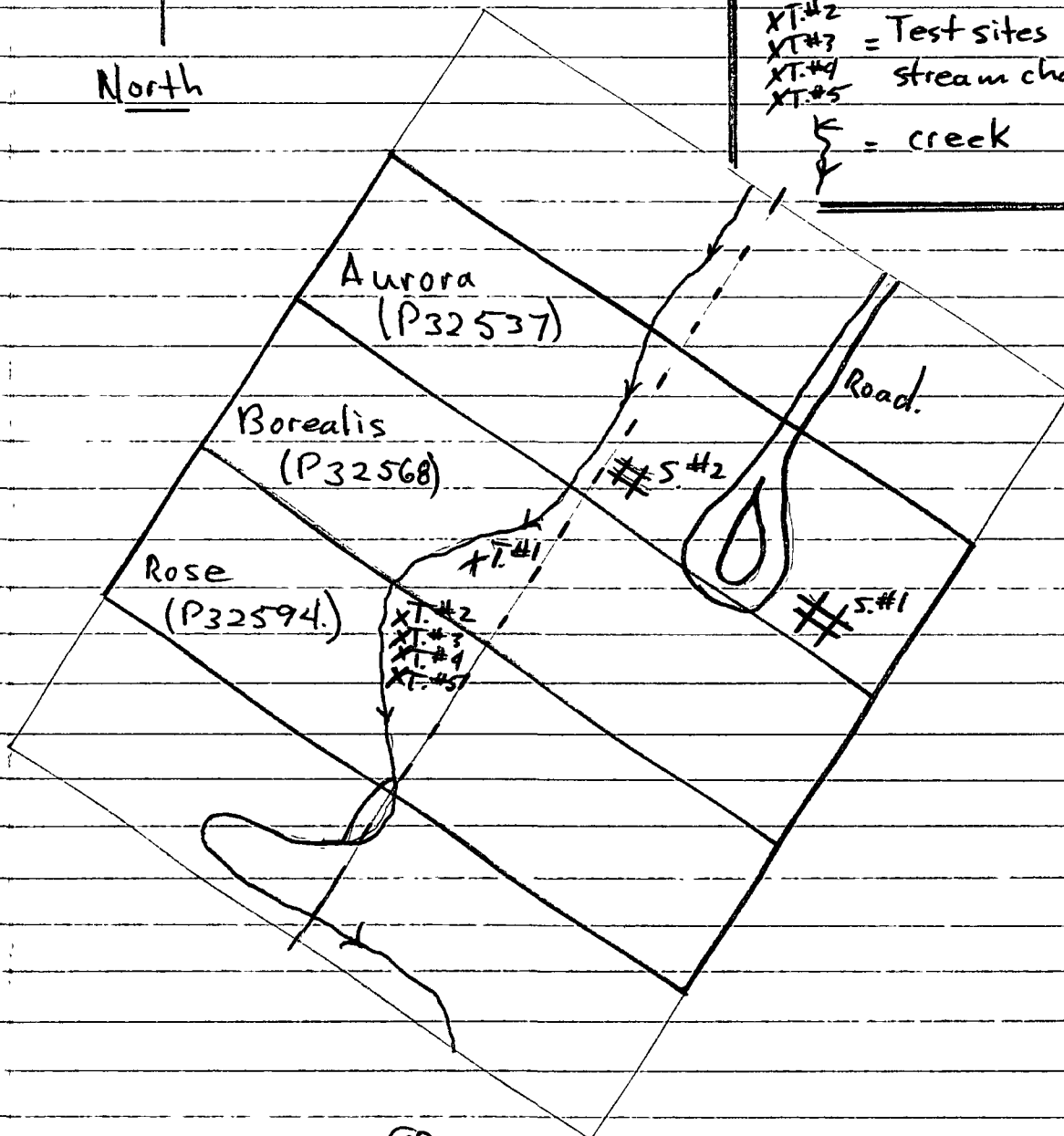
XT#1 = Test Site #1

XT#2
XT#3 = Test sites on old

XT#4 stream channel

XT#5

⌋ = creek



Technical Report.

Sampling and Testing consisted of one shovel load of material put thru a Minus 2 m.m. brass sieve into a 16 inch black plastic riffled gold pan and then panned down to zero.

Shaft #1 Aurora (P32537)

- 1) 2 samples were taken at the bottom of the 1 1/2 foot level of overburden. One from the centre of the dig and the other from an opposing corner. No color or mineralization.
- 2) 5 samples were tested at bottom of 3-foot level of overburden where it met gravel layer. Sand and gravel samples were taken from centre of dig and all four corners. No color or mineralization.
- 3) 5 samples tested 3ft. into gravel. One from centre and 4 corners. No color or mineralization.
- 4) 5 samples tested at 6ft. level of gravel where it met sandy-clay. one from centre and 4 corners. No color but lots of tiny garnet.
- 5) 5 samples of top of sandy clay material tested at 9ft. level of shaft. Same procedure. No color but abundance of mica flake.
- 6) 5 tests at 12ft. level. No color, lots of mica.
- 7) 5 tests at 15ft. level. Same sandy-clay material. Same results, no color.

Shaft #2. Aurora (P32537.)

- 1) 2 samples were tested by same means at 3 1/2 ft. level. No color or mineralization.

Summary:

In light of all this evidence, work shall proceed on shaft #1 onward and downward until next layer of gravel is encountered and I dare say downward to bedrock.

Y.M.I.P. allowed me to get claim cleared and in shape for foot traffic and light truck traffic in and out of work site.

My intentions are to finish this shaft down to bedrock and then evaluate the ground. And if evaluation warrants further work, 1 or 2 more shafts in line on this side of the creek before exploring the other side of the creek. If this side shows value, meriting further consideration, I'll make an assumed assumption that the other side may produce the same ground and then cross that bridge if and when I come to it.

I had a 9 foot hole begun before the Y.M.I.P. and under the program I was able to procure necessary timber to crib up this work. Gain another 6 feet of depth thru frozen hard-pan clayey material thru firing and heating. Have the necessary timbering available to crib this up and 12 feet more. Clear a footpath to this site and a light truck trail to get material to and from shaft. Start shaft #2 with log collar cribbing and lid and clear a footpath down to this site. Plus many other miscellaneous chores such as road maintenance, clearing and clean-up.