

YEIP

93-145

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*FM*

Charlie Brown  
c/o 67 Walnut Crescent  
Whitehorse, Yukon Y1A 5C7  
668-4633

February 28, 1994

Karen Pelletier  
Mineral Development Officer  
Energy and Mines Branch  
Economic Development  
Government of Yukon  
P. O. Box 2703  
Whitehorse, Yukon Y1A 2C6

**Re: YMIP - Target Evaluation Final Submission Report, Klondike Valley**

Dear Karen,

Please accept the following report on the initial exploration work undertaken in the Klondike River valley.

The following report contains; Location and Access, Geology, Work done, Results and Recommendations. Also included are various detailed maps along with the YMIP - Final Submission Form and related receipts.

The work carried out in the Klondike River Valley has proven an insight into the geological / topographical features and their constraints that dictate the methods used in further exploration.

I would like to thank -you for the monetary support you and your branch has provided over the past years, and look forward to the opportunity of applying for a sequential YMIP Target Evaluation Grant.

If you any questions please do not hesitate to contact me through Stephen Mooney at 668-4633.

Thank-you for your attention to this matter.

  
for  
Charlie Brown

## **Location and Access**

The property is accessed on the west end by the Dawson City Dump road approximately one mile before the Bear Creek Community Compound Road, leaving Dawson on the Klondike Highway. The access road branches off the left hand side of the Dawson Dump road half a mile in off the Klondike Highway. This road is followed for 3000 feet, at which point placer claim Know Town #1 (P37731) starts. From this point, which is 1000 feet upstream on the Klondike River from the confluence of Quigley Gulch and the Klondike River, the claims continue 4200 feet to the Bear creek Compound. These are 2nd Tier Left Limit (looking downstream) bench claims covering this un-mined section of the Klondike River Flats. The following claims map attached shows the property and the access road.

## **Geology**

Information was extrapolated from upstream, downstream and right limit historic dredge drill hole maps. This data indicates that this section of ground is approximately 40 to 55 feet deep. Of this depth, 0 to 15' is black muck with the remaining 35 to 40 feet being Klondike wash gravels. The depth of black muck increases towards the southern left limit cut bank. The bedrock which underlies the property is a black graphic schist/phylite. Cross-sectional drawings showing geological strata are located on the following pages.

## **Work Completed**

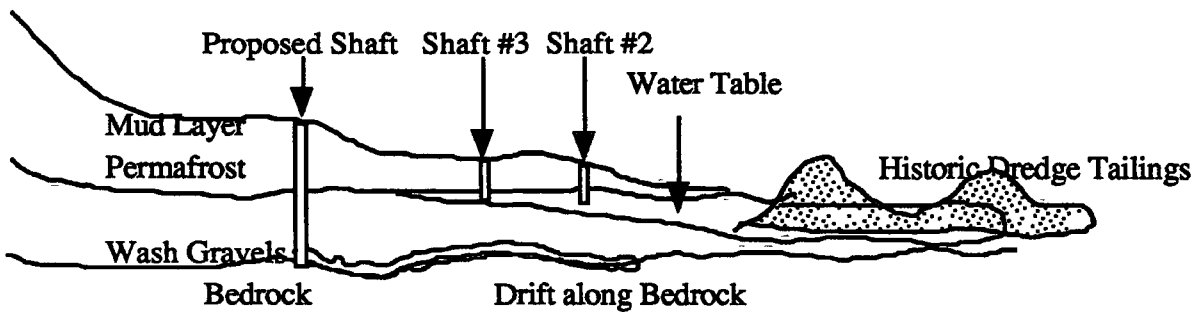
Work was done in three different locations on the property. Shaft Number 1, was dug on placer claim Know Town #1(P37731), Shaft Number 2, was dropped on placer claim Inca #2 (P37336), and Shaft Number 3, took place on Inca #1 (P37335). In all locations a water table was encountered. This became increasingly hard to deal with as the depth of each shaft increased. Shaft #3, may be salvageable if it can be frozen into the permafrost within the next month before spring break-up. This could be timbered with a burlapped back, through the water level section to form a seal, and continue the shaft down to bedrock/gravel contact.

To initiate the shafting, a D-7 Cat was used to prepare the sites and clear access roads. A 3/4 Ton 4 x 4 was used to transport the compressor as well as timbers, genset, pumps, etc. The compressor was used to drill, hoist material and pump water, The black muck sections were steamed and blasted, while thawed sections were pumped and mucked. A side dump was erected at each shaft site to pile muck away from hole. A skidoo was used to travel back and forth from the camp area (skid shack, located at the mouth of Quigley Gulch).

## **Results and Reccomendations**

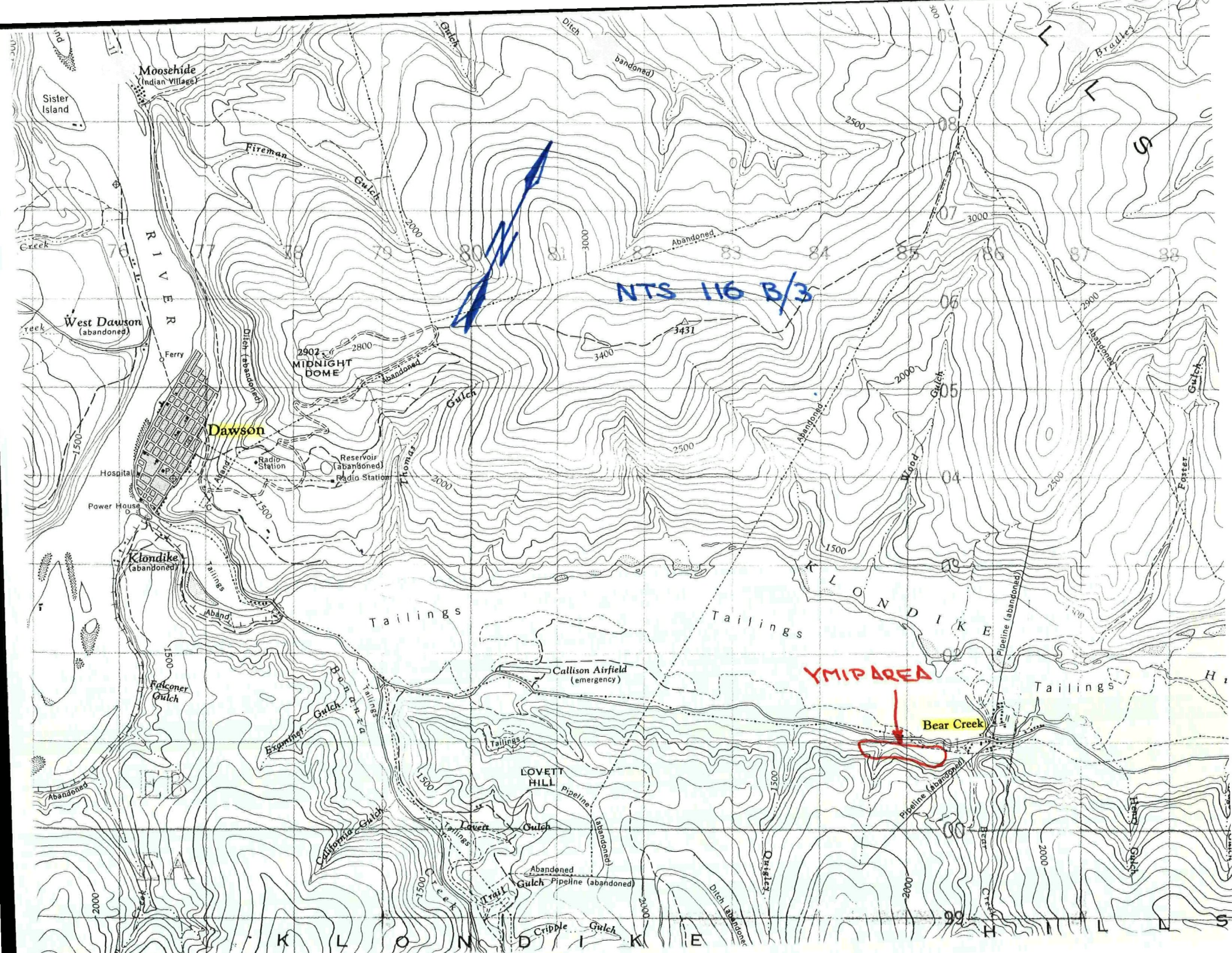
No measurable results were obtained from panned samples of gravels encountered. Samples from deeper

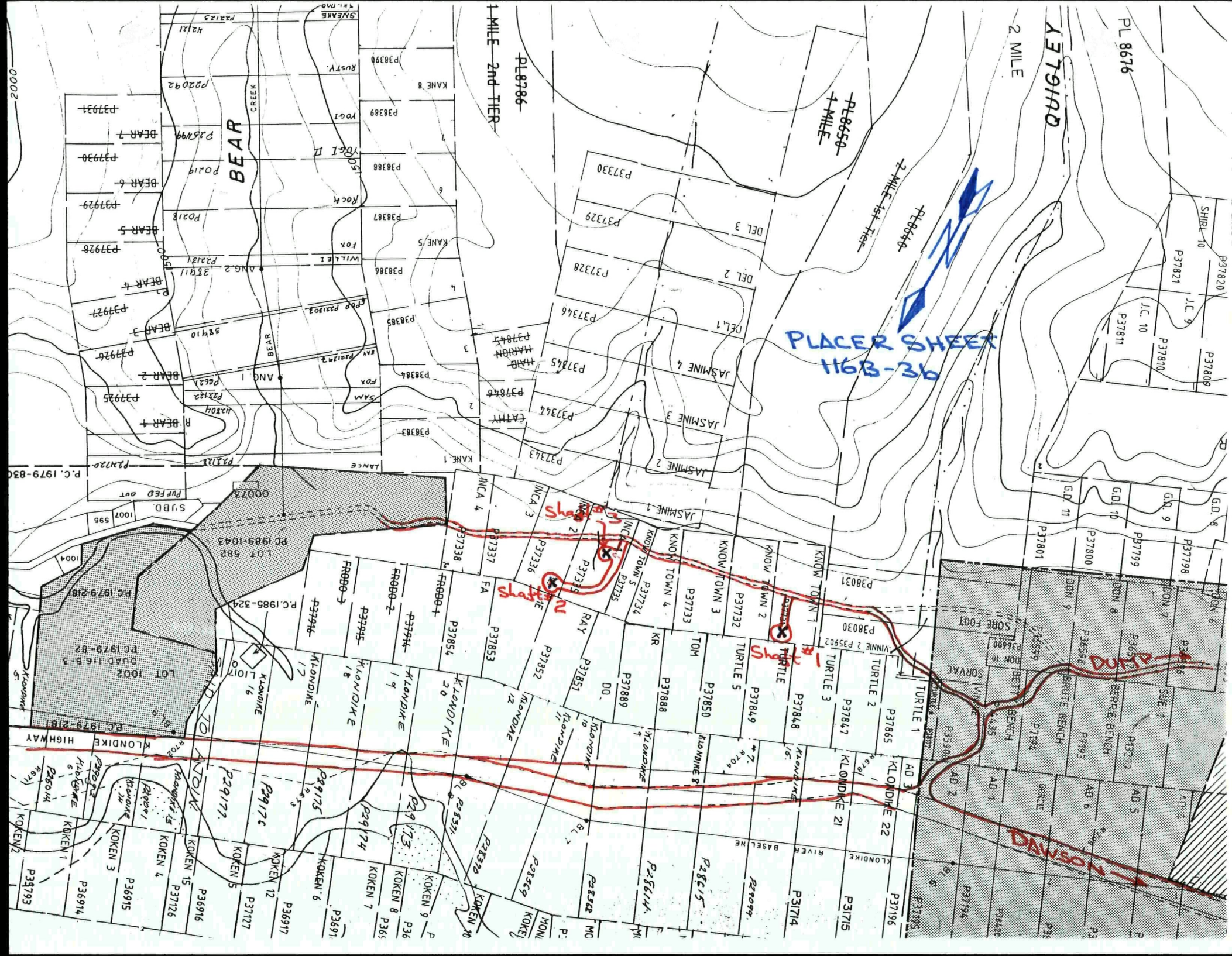
stratifications are needed. To alleviate the problem of the water table encountered, future work should take place away from the dredged edge of the ground where the water table exists. All future shafting must be off the drainage line of incoming gulches and be done on an undisturbed surface. In some areas, freezing through to permafrost is possible. In others a sealed tube must be lowered through the water table and placed into the permafrost to continue downward. Parallel the cut bank where the mud bench runs, the permafrost starts past the first few feet and continues all the way down. In this area, shafts would be 15 feet deeper than other locations found on the flats towards the Klondike River where no mud layers exist. Though this area may not be the ideal location for a pay channel, it is the most realistic location to shaft down to the gravel - bedrock contact. Once this depth is reached, drifting can be employed in the direction away from the cut-bank towards the historic dredge tailings, beneath the water table. Refer to Section A-A (figure 1). The best time to accomplish this work with success, would be between February and April before spring break-up. At this time the shaft could be sealed and insulated to be reopened, and worked the following winter.

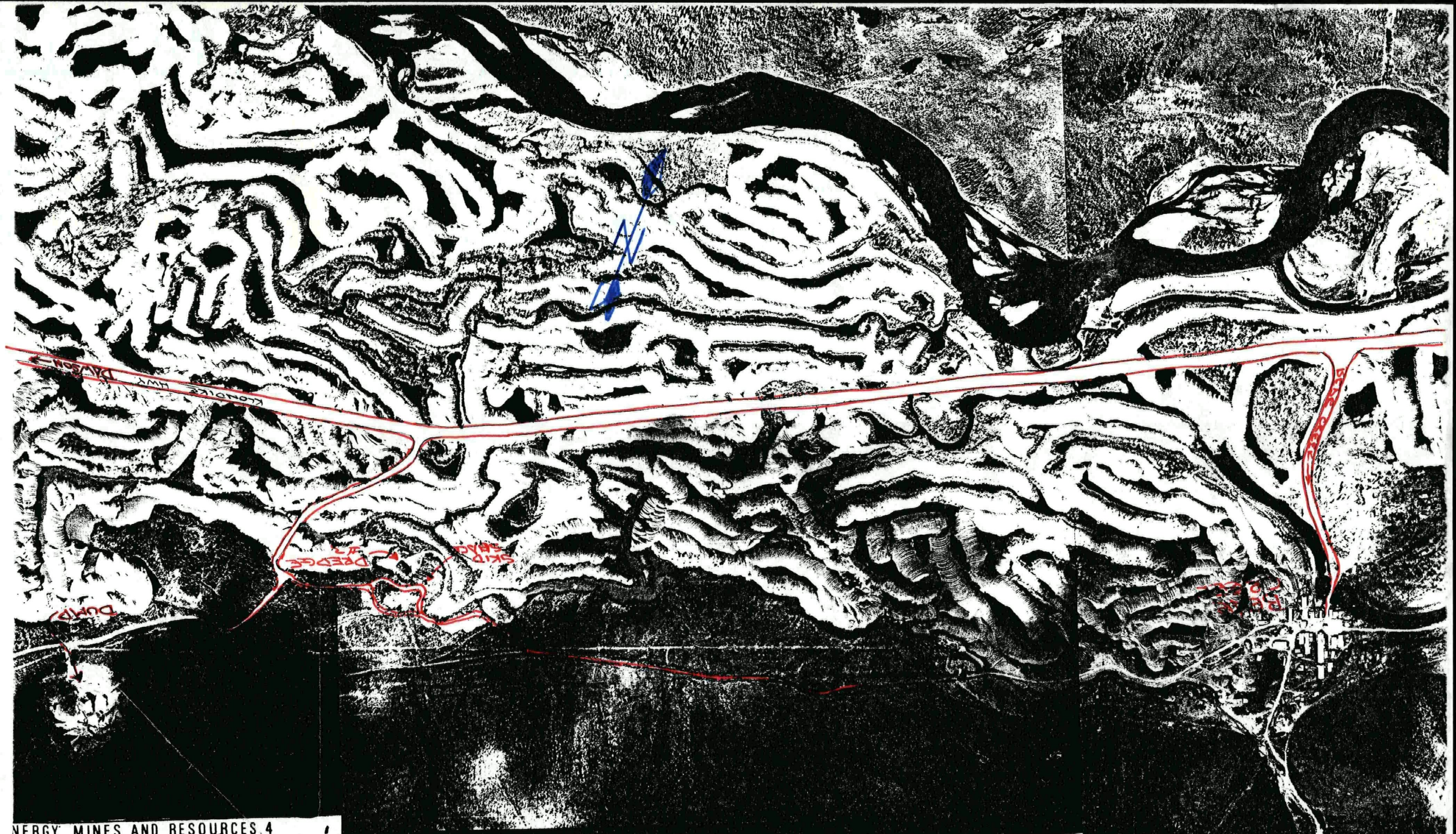


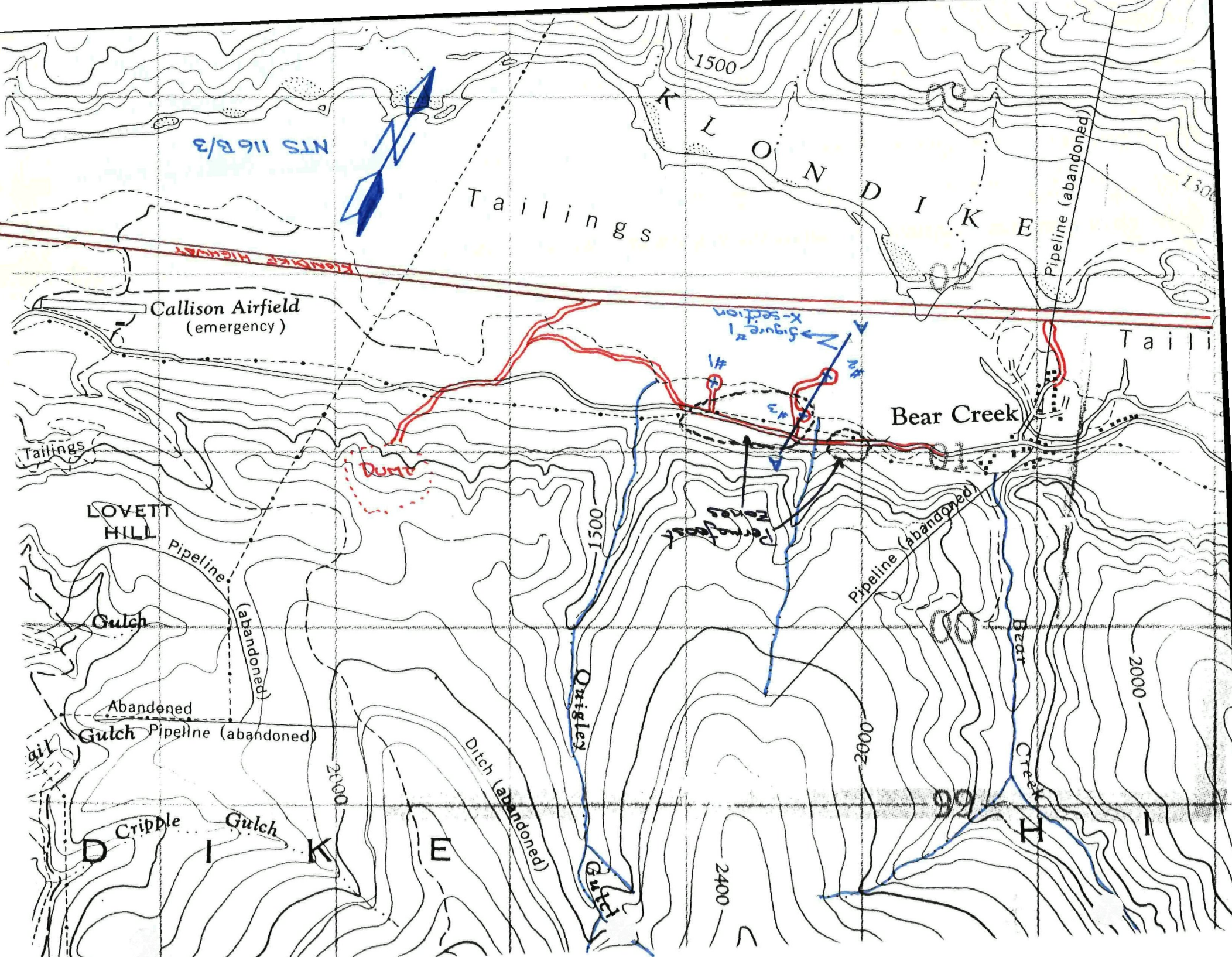
No  
Scale

Figure #1, Section A - A





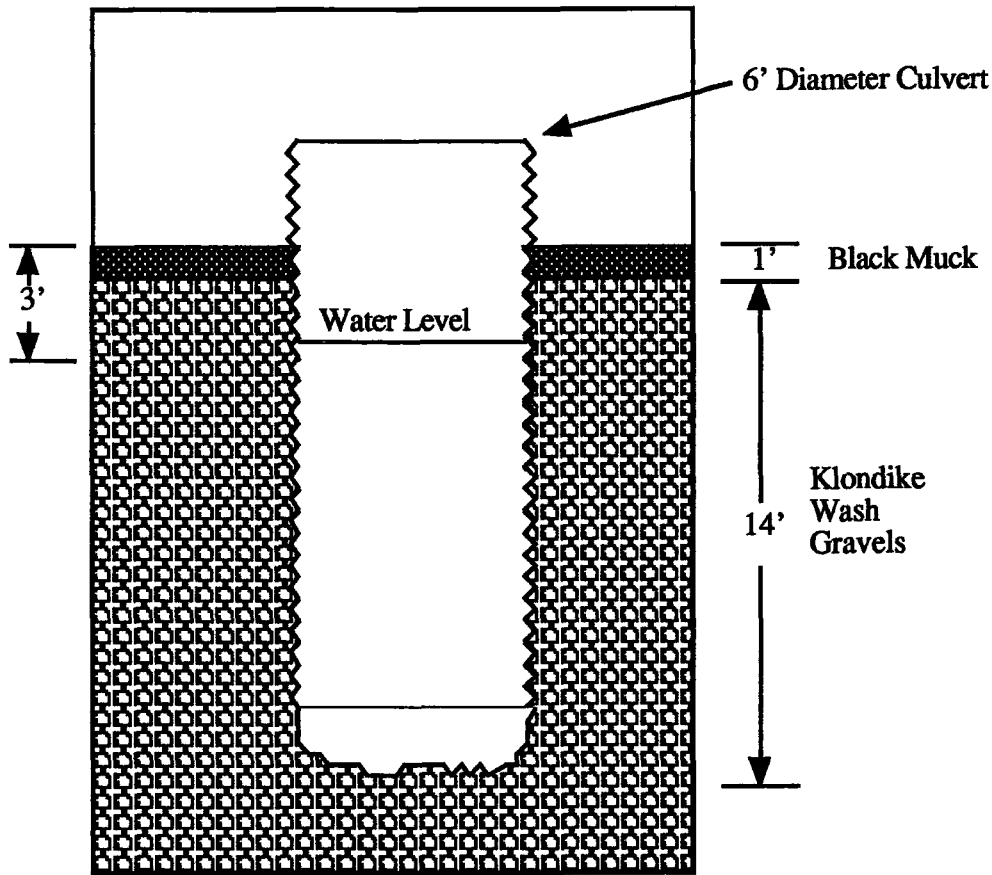




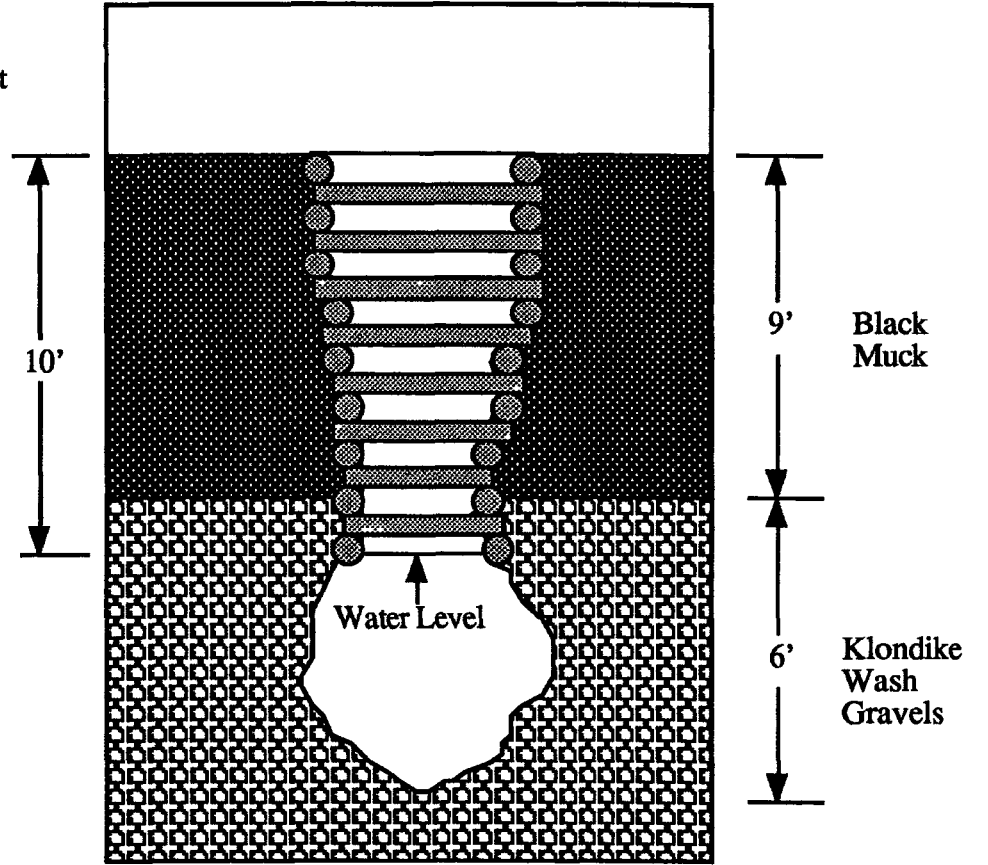


# Shaft Profiles

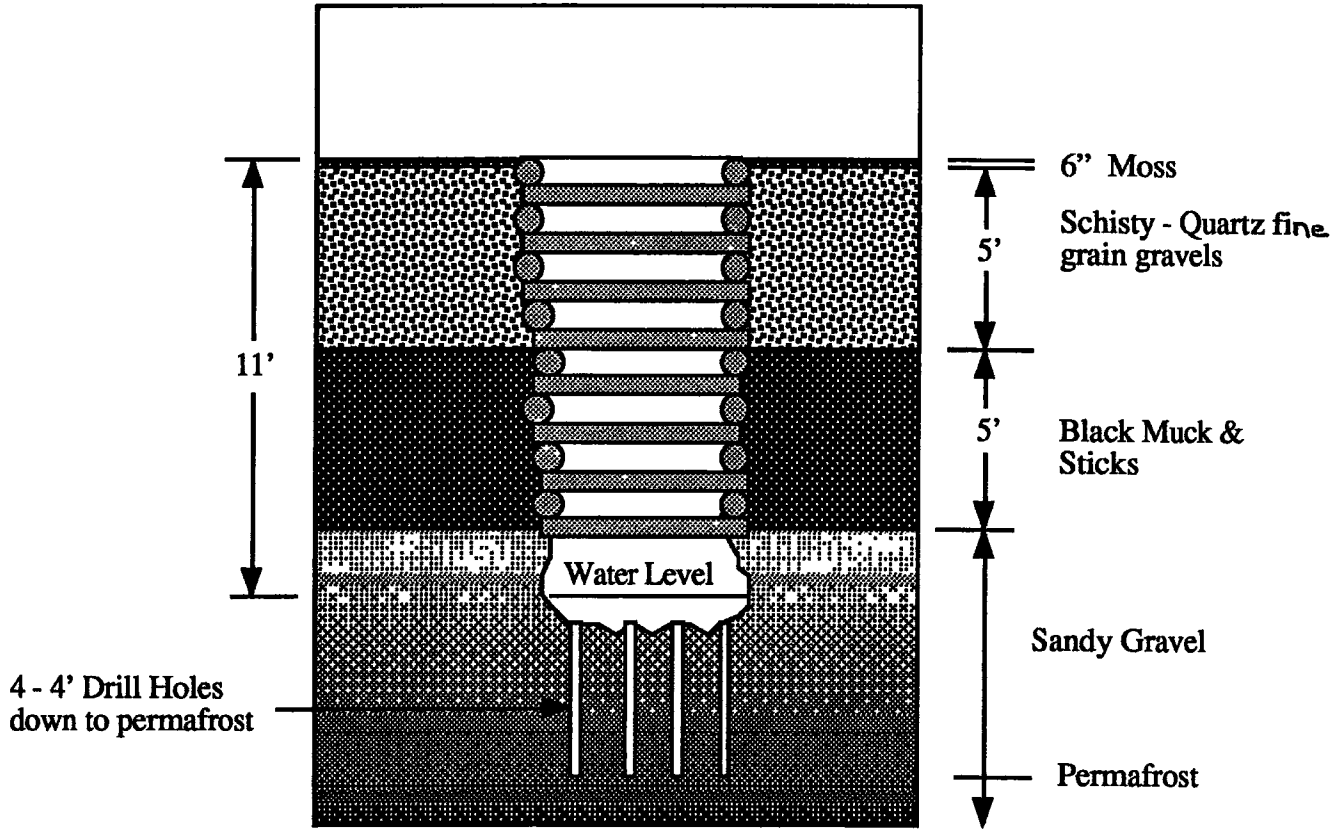
## Shaft Number 1



## Shaft Number 2

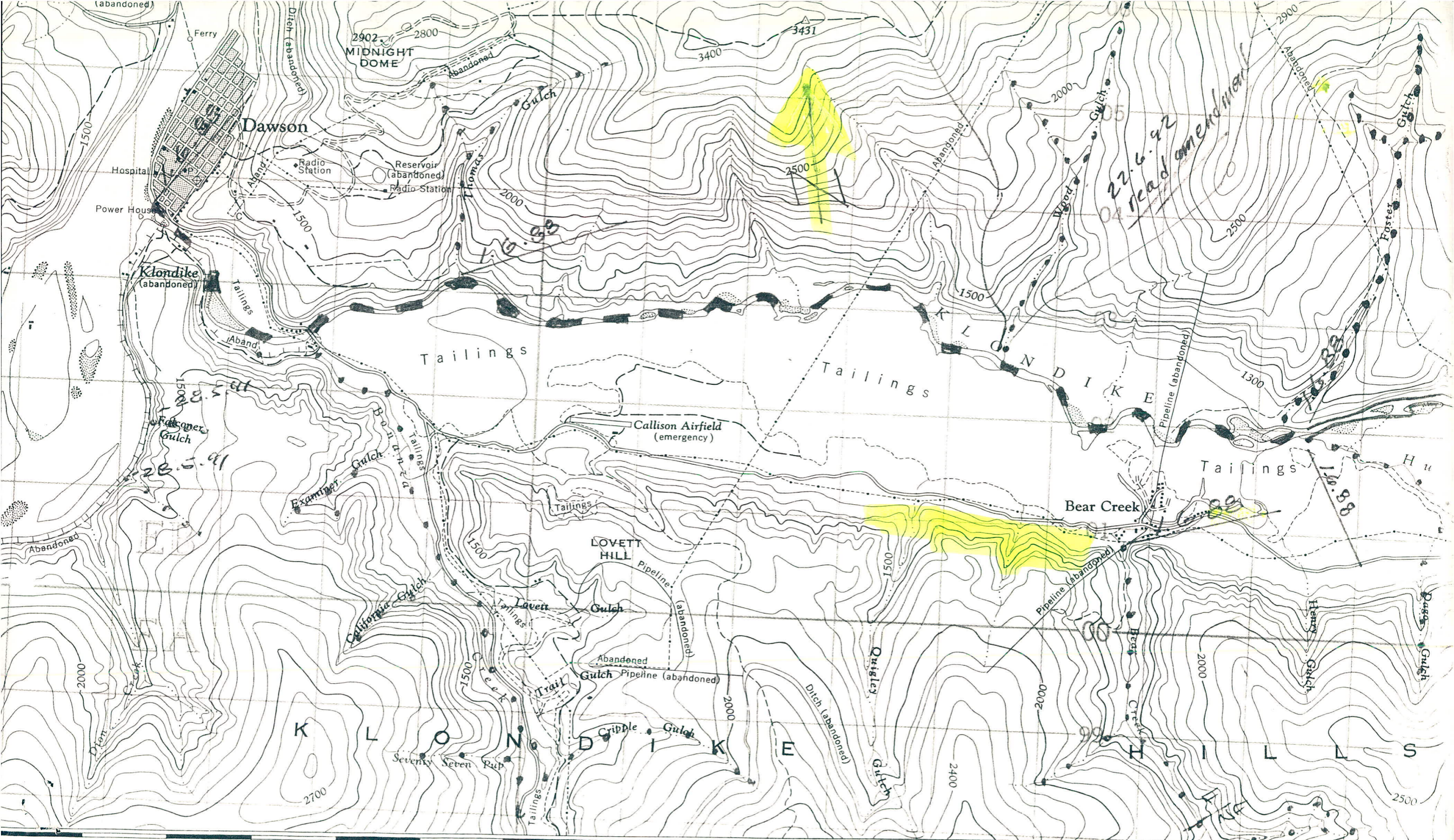


Shaft Number 3



## Summary of Expenditures

|  |                     |
|--|---------------------|
| 1. Living Expenses                               |                     |
| 78 days @ \$52.85/day                            | \$ 4,122.30         |
| 2. Travel  |                     |
| 2 Round trips Whitehorse to Dawson               |                     |
| 2 x 1076 km/trip x 0.36/km                       | \$ 774.72           |
| 3. Analysis/Assay Costs                          | \$ 0.00             |
| 4. Equipment Rentals/ Supplies                   |                     |
| Rentals:   |                     |
| D-7 Cat Working 5 Days @ \$1000.00/Day           | \$ 5,000.00         |
| D-7 Cat Standby 30 Days @ \$200.00/Day           | \$ 6,000.00         |
| Compressor 2 Months @ \$1,000.00/Month           | \$ 2,000.00         |
| Tugger 2 Months @ \$400.00/Month                 | \$ 800.00           |
| Jackleg 2 Months @ \$300.00/Month                | \$ 600.00           |
| Power Saws 2 x 2 Months @ \$300.00/Month         | \$ 1,200.00         |
| Pumps 2 x 2 Months @ \$300.00/Month              | \$ 1,200.00         |
| Truck 4 x 4 (3/4Ton) 2 Months @ \$1,500.00/Month | \$ 3,000.00         |
| Genset 2 Months @ \$500.00/Month                 | \$ 1,000.00         |
| Skidoo 2 Months @ \$1,000.00/Month               | \$ 2,000.00         |
| Steamer 1 Month @ \$400.00/Month                 | \$ 400.00           |
| Supplies:  |                     |
| Fuels and Oils                                   | \$ 2,321.61         |
| Explosives                                       | \$ 717.96           |
| Hardware   | \$ 772.99           |
| 5. Contractors                                   |                     |
| Richard Brais (Labour, shafting)                 |                     |
| 30 Days @ \$250.00/ Day                          | \$ 5,000.00         |
| Tom Morgan ( Labour, Equipment Operator)         |                     |
| 43 Days @ \$250.00/ Day                          | \$10,750.00         |
| Stephen Mooney (Labour)                          |                     |
| 5 Days @ \$250.00/ Day                           | \$ 1,250.00         |
| 6. to 10. Not Applicable                         |                     |
| 11. Report Preparation                           | \$ 400.00           |
| <b>TOTAL EXPENDITURES</b>                        | <b>\$ 49,309.58</b> |



Dawson

Klondike  
(abandoned)

Callison Airfield  
(emergency)

Bear Creek

LOVETT HILL

MIDNIGHT DOME

22.6.92  
read amendments

23.5.91

K L O N D I K E

93-145

