

# Yukon Placer Database Operations Report



Field Name: Raab, 2001-2002

Last Update: 21-Feb-2005

Status: Recent Producer 1978-present

Stream: Duncan: a tributary of Mayo River

Map Sheet(s): 105M/14, 105M/5

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## Operators

Name	From (Date)	To (Date)	Comment
Rick Anderson	2001/01/01	2001/12/31	
Larry Arnevic	2001/01/01	2001/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
Rick Anderson	2001/01/01	2001/12/31	
Larry Arnevic	2001/01/01	2001/12/31	
Joe Raab	2001/01/01	2003/12/31	

## General Location

This operation was located immediately below the waterfalls on Duncan Creek, a tributary of Mayo River.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 53 24	135 20 32		
2002/01/02	63 55 0	135 21 0		
2002/01/01	63 20 0	135 53 0		
2001/01/01	63 55 0	135 21 0		

## Water Licence(s)

Number	Comments
PM00-171	Expires: 2005/11/01

## Work History

Claims were leased to Larry Arnevic and Ricker Anderson for mining of claims located immediately below the waterfalls. Two cuts were completed in 2001. The first cut below the waterfalls was 25 feet by 100 feet and all material was sluiced to bedrock at 23 feet. The second cut of the season continued downstream for an additional 75 feet. The water channel was restored and land reclamation was completed at year's end. Narrow channel and tight, steep canyon walls made these claims a challenge to mine. No mining occurred in 2002.

## Equipment

A 225 backhoe was used for ground preparation and feeding the wash plant and a 745 Fiat Allis loader was used for stockpiling pay gravels and disposing of tailings. An 8-foot by 10-foot hopper with grizzly classified materials to an oscillating 8-foot by 10-foot sluice box for fine gold recovery. A stream-side reservoir on Duncan Creek provided the water for a 6-inch Lycoming water pump operating at 1100 igpm to service the wash plant. Effluent from the wash plant ran through the canyon in an armoured drain which ended in a 30 by 30-foot out-of-stream settling pond at the mouth of the canyon.

## Landforms

Landform	Comments
Alluvial Valley	

## Surficial Geology

There were well-disturbed gravels from previous mining activities over past 100 years. The mining cut from the

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waterfall downstream was found to be washed gravels with coarse boulders throughout. Considerable evidence was found for prior underground workings, including buried chambers and tools.

### **Bedrock Geology**

The Robert Service thrust fault traverses the field area, thrusting Upper Proterozoic Hyland Group phyllite, psammite and marble over Mississippian Keno Hill quartzite and Devono-Mississippian Earn Group graphitic schist, phyllite and sericite schist. Triassic meta-diorite sills intrude the Paleozoic sequence. Hosted within the Keno Hill quartzite are over sixty silver-lead and gold vein deposits, nearly all of which have been mined for silver.

### **Gold Comments**

No significant gold was located. Fines and one nugget were unable to pay expenses.

### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 173-174

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 16

### **Pictures**

**Title:** Duncan Creek

#### **Notes:**

Joe Rabb's Duncan Creek operation in 2001. View looking upstream towards the canyon.

