

# Yukon Placer Database Operations Report



Field Name: Lanzinger, 1998-2001

Last Update: 17-Feb-2005

Status: Active Producer

Stream: Hunker: a tributary of Klondike

Map Sheet(s): 1150/15

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## Operators

Name	From (Date)	To (Date)	Comment
Max Lanzinger	1998/01/01	2001/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
Max Lanzinger	1998/01/01	2001/12/31	

## General Location

Max Lanzinger ran a one person operation in the valley bottom of Hunker Creek next to Whiskey Hill, downstream from Six Below Pup.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 56 31	138 53 51		
1998/01/01	63 57 0	138 54 0		

## Water Licence(s)

Number	Comments
PM98-016	Expired: 2002/05/01

## Work History

This was a one person operation. In 1998 one cut was mined about 100 feet long by 50 feet wide by 15 feet deep. In 1999 the cut was about 150 feet long by 80 feet wide by 25 feet deep. In 2000 two cuts were mined, the first was about 100 feet long by 30 feet wide by 8 feet deep and the second was about 150 feet long by 75 feet wide and was 38 feet deep. One mammoth tusk was found in 1999. Most of the washed tailings gravel was used to rebuild the public access road. The property was decommissioned in 2002 after final clean up.

## Equipment

One John Deere 644 loader was used to dig pay gravel, feed the wash plant and remove tailings. In 1999 a Caterpillar 950 loader was added and in 2000 a Komatsu 400 excavator was used to dig gravel. IN 2001 a Terex 8240 bulldozer was included and used for reclamation work and odd jobs. In 1998 and 1999, a 12 feet by 8 feet dump box fed a home-made shaker plant with a 6 feet by 8 feet screen deck, which classified to 1 1/4 inch. A single sluice run, 20 feet long by 4 feet wide, had expanded metal over Astro turf for the first 5 feet and then 15 feet of 1 1/4 inch angle iron riffles over Astro turf. A Gorman-Rupp 6 inch water pump, powered by a 3 cylinder Jimmy, provided approximately 800 igpm which was used to process about 60 cubic yards per hour. In 2000 and 2001 a different wash plant was used with a dump box, 4 feet wide by 16 feet long, which fed onto a shaker deck, 5 feet wide by 12 feet long, with 3/4 inch screen. A single sluice run, 30 inches wide by 6 feet long, with expanded metal riffles over Astor turf, was followed by double deck oscillating sluice runs, 8 feet by 8 feet, with half the feed going to the bottom run, and using expanded metal riffles over Astro turf. An 18 inch wide by 30 feet long conveyor belt was used to remove and stack tailings. A 6 inch by 5 inch high pressure water pump, powered by a Caterpillar 471 diesel engine, delivered about 900 igpm which was used to process 100 to 120 cubic yards per hour. Water was pumped from Hunker Creek and settled in out of stream ponds. In 1999 the water supply pump was used to dewater the mining cut and water was recycled from the out of stream settling pond.

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### **Environmental Work**

#### **Year            Reclamation Work**

2002            All reclamation work was completed for final decommissioning.

### **Landforms**

#### **Landform**

#### **Comments**

Tailings

### **Surficial Geology**

In 1998, overburden varied from one location to another within the valley bottom and included old dredge tailings, washed tailings from hillside workings and cat tailings from more recent operators, all at depths from 15 feet up to 25 feet. Below these old tailings were areas of virgin ground with 5 feet frozen muck and 5 or 6 feet of pay gravel. Some of the tailings from the previous operations as well as all bottom gravels were sluiced.

### **Bedrock Geology**

The rocks along the upper part of Hunker Creek consist of the light coloured sericite schists, and the greenish chloritic schists of the Klondike series, cut by a few small bosses of rhyolite. From Colorado Creek to the mouth the same rocks also occur, but are associated with wide bands of the lead coloured and dark graphitic schists of the Hunker series, some green schists and occasional bands of limestone.

### **Gold Comments**

In 1998 and 1999 gold recovered included up to 40% rough nuggets, ½ ounce to ¾ ounce. In 2000 and 2001 less than 5% nuggets were found. Fineness varied from 837 to 840.

### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 82-83

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 61

### **Pictures**

**Title:** Max Lanzinger on Hunker Creek

**Notes:**

