

# Yukon Placer Database Operations Report



Field Name: ISSL Canada Inc., 2002

Last Update: 17-Feb-2005

Status: Exploratory

Stream: Quartz: a tributary of Indian

Map Sheet(s): 1150/11

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## Operators

Name	From (Date)	To (Date)	Comment
ISSL Canada Inc.	2002/01/01	2002/12/31	

## Owners

Name	From (Date)	To (Date)	Comment
ISSL Canada Inc.	2002/01/01	2002/12/31	

## General Location

This small out-of-stream operation was located at the Risby Camp at the mouth of Quartz Creek.

## Location Details

Date:	Latitude Deg : Min : Sec	Longitude Deg : Min : Sec	Elevation (feet)	Distance from Mouth (feet)
2003/01/01	63 44 41	139 7 17		
2002/01/01	63 44 0	139 8 0		

## Water Licence(s)

Number	Comments
LP00314	
S3DD008	

## Work History

The company leased claims from Nnahtur Resources Ltd. To test a magnetic recovery system (MRU) for separating black sands from fine gold. Five miners and one camp personnel were employed. No cuts were made.

## Equipment

A small Kubota R520 excavator was used to collect old cleanup tailings from four or five locations for additional processing and gold recovery. The material was first put through two 8-foot culvert dryers, then run over a dry separating system equipped with rare earth magnetics. Final cleanup was done across a wet sluice equipped with rare earth magnets. A Honda 5HP gasoline pump was used, capable of pumping about 60igpm. The operation processed about 1 cubic yard per hour. Water was acquired from an existing pond and any sluice box effluent was quickly absorbed by the existing coarse tailings. The entire operation was conducted well out-of-stream, and excavation was already in stockpiled waste piles.

## Landforms

Landform	Comments
Alluvial Valley	

## Bedrock Geology

Bedrock is mapped as quartz-muscovite schist.

## Gold Comments

The gold was extremely small, smooth particles down to 400 mesh. Fineness of the gold averaged about 800. The system did recover a surprising amount from the concentrates, indicative of the efficiency of the system.

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### **References**

Mining Inspection Division, Yukon Region. Yukon Placer Mining Industry 1998-2002. Department of Indian Affairs and Northern Development, Whitehorse, Yukon, 2003.: p. 90

Thomson, R.F. Placer Mining Year End Summary, 2002. Mining Inspection Division, DIAND, 2003.: p. 54

### **Pictures**

**Title:** ISSL Canada Inc., mouth of Quartz Creek

#### **Notes:**

ISSL sluice runs on Indian River.

(inset) Pete Risby stand beside rare earth magnet conveyor.

