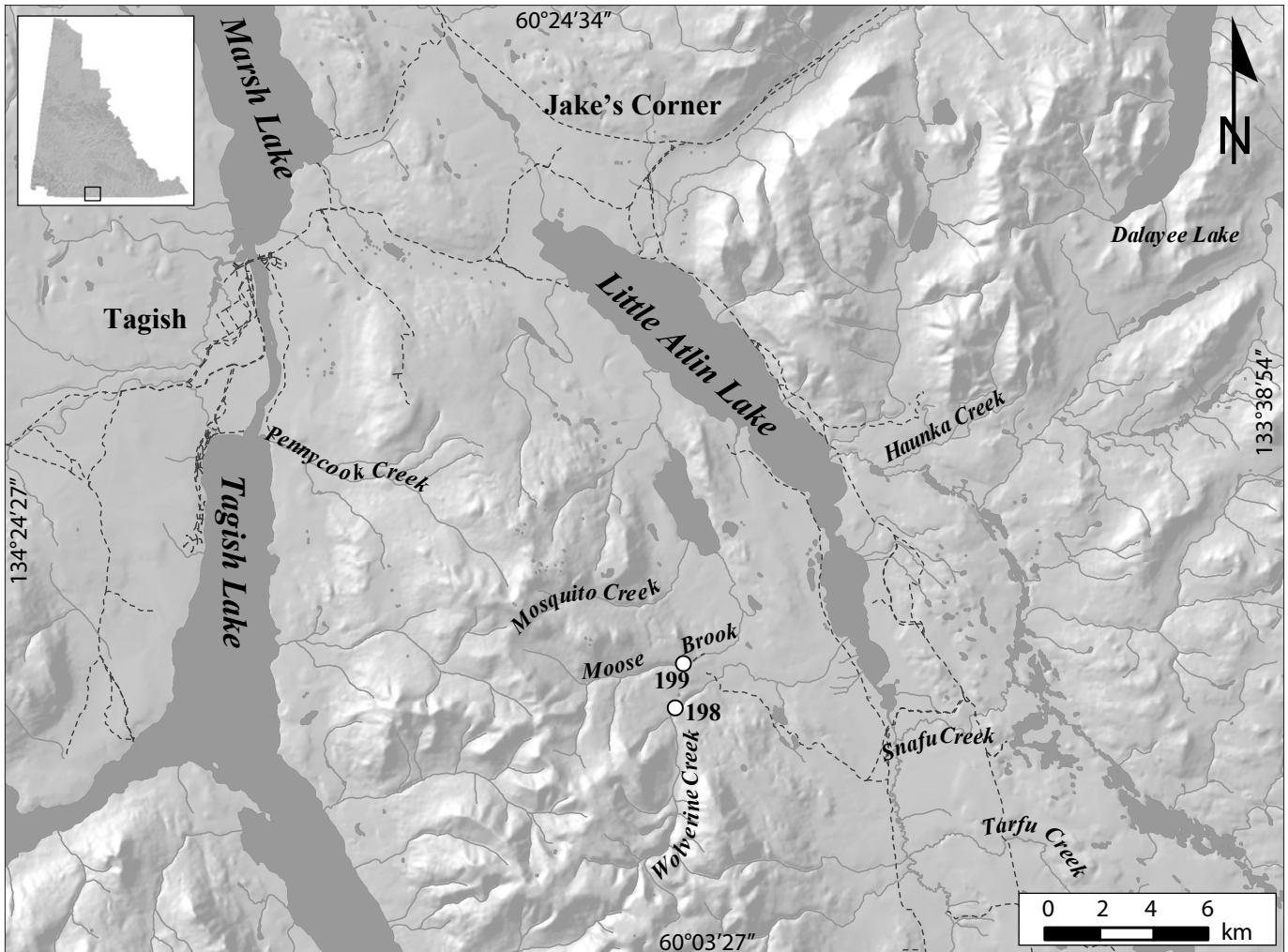


LITTLE ATLIN PLACER AREA

SITES
198-199



LEGEND

- 198.....McKeown
- 199.....Tusk Exploration Ltd.

WOLVERINE CREEK, a tributary of Little Atlin Lake

105D/1

2006: 60°09'23"N, 134°01'22"W

Sid McKeown

Exploration (2005-2006)

Operation no. 198

LOCATION The operation ran several test cuts upstream of the canyon.

WORK HISTORY AND MINING CUTS In 2005, a program of test-pitting, auger drilling and bulk sampling was conducted.

EQUIPMENT AND WATER TREATMENT Equipment consisted of a 6-inch auger drill, a Hitachi UH07 excavator, and a 3- by 14-foot sluice with 1-inch angle iron riffles and expanded metal screen overlying 'miner's moss'. A TD15 bulldozer was used to improve access.

SURFICIAL GEOLOGY AND STRATIGRAPHY Above the canyon, a layer of coarse boulders and gravel 6 feet (2 m) thick overlies a 10- to 60-foot (3 to 20 m) layer of silt and clay.



Yukon Geological Survey geologist Steve Traynor and miner Sid McKeown at Wolverine Creek, 2005



Sid McKeown's mobile drill for placer testing, Wolverine Creek, 2005.

MOOSE BROOK, a tributary of Little Atlin Lake

105D/1

2005: 60°10'14"N, 134°00'51"W

Tusk Exploration Ltd., Gary Crawford

Water licenses: PM98-050 (2003), PM04-357 (2014)

Active producer (2003-2005)

Operation no. 199

LOCATION The operation was located on the left limit of Moose Brook, a tributary of Little Atlin Lake.

WORK HISTORY AND MINING CUTS The operator mined a cut in each season from 2003 to 2005, working upstream on the left limit.

EQUIPMENT AND WATER TREATMENT Equipment on site included a Caterpillar D10N bulldozer, Caterpillar 245 excavator, and Caterpillar and IH Payhauler rock trucks. The wash plant was a 6-foot-diameter land-based trommel with two sets of sluice runs, each 8 feet wide and 10 feet long, lined with expanded metal and Nomad matting. In 2003, a large settling pond was constructed downstream of the operation in an area of old wood-lot land. A diversion channel was put in place to divert Moose Brook into the settling area.



Tusk Exploration loads pay gravel from Moose Brook, November, 2003.

SURFICIAL GEOLOGY AND STRATIGRAPHY The stratigraphic section in 2005 consisted of 6 to 10 feet (2 to 3 m) of boulder gravel till overlying 6 to 15 feet (2 to 5 m) of glacial silt and clay overlying 10 to 15 feet (3 to 5 m) of mixed gravel, sand and clay, capping 6 feet (2 m) of compact cobble-pebble gravel on bedrock. The lowest 6 feet (2 m) of gravel was sluiced.

BEDROCK GEOLOGY The bedrock at this site is a fractured chert and quartzite.

GOLD CHARACTERISTICS Gold was mainly fine grained, but locally chunky, and bright yellow.



Tusk Exploration's pit on Moose Brook in July, 2005. View to the east.