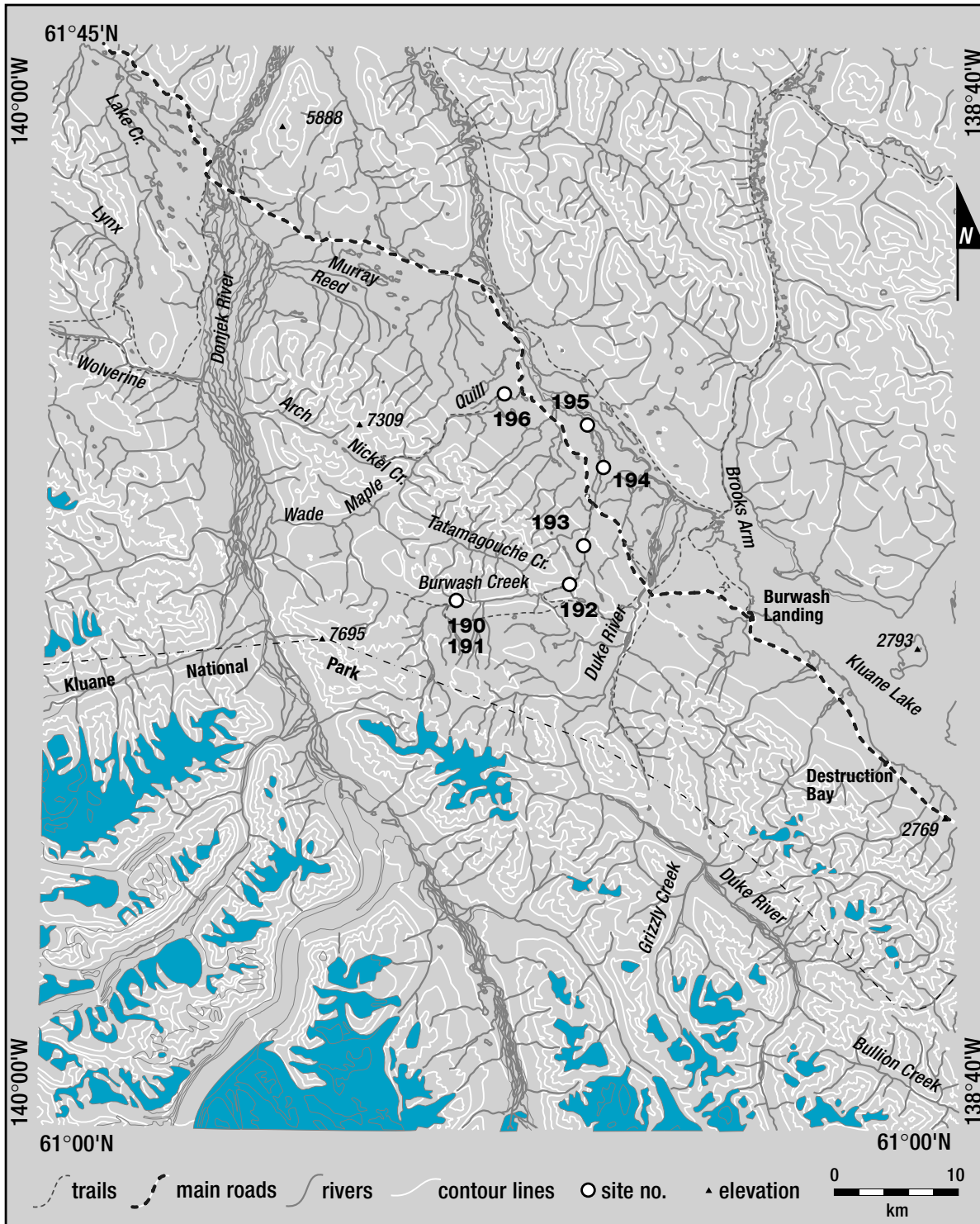


# KLUANE PLACER AREA

SITES  
190-196



## LEGEND

190..... Brian Hutchinson, Burwash Creek  
191..... Oliver Leckie, Burwash Creek  
192..... Steve Johnson, Burwash Creek

193..... Oliver Leckie, Burwash Creek  
194 .... Charles Eikland, Sr., Burwash Creek  
195..... Wayne Mitchell, Burwash Creek  
196 .... Willi Pfisterer, Quill Creek

**BURWASH CREEK**

**115G/6**

Brian Hutchinson

61°22'N 139°22'W

Water Licence: PM99-126

2000, 2001

Kluane Placer Area

**Site no. 190**

**OPERATION/LOCATION** This property was located above Tatamagouche Creek on upper Burwash Creek and was worked during the mining seasons of 2000 and 2001.

**EQUIPMENT/FUNCTION** In 2000, a 400 Komatsu and a 300 Komatsu were used to feed the screen plant. In 2001, a Koehring excavator was used to feed a shaker wash plant and a Fiat Allis bulldozer was used to push tailings.

**WASH PLANT** A shaker wash plant was used.

**GROUND DESCRIPTION** In the immediate claims area, the ground encountered was comprised of boulders, gravel, sand and silt



*Brian Hutchinson's operation on Burwash Creek.*

bands ranging from 6 to 12 metres. Blocky igneous bedrock has been mixed into the overburden column. Most gravels have been well washed and the fine sediments removed. This area was generally free of brush.

**MINING CUTS** The mining cuts made in 2000 consisted of two 125-foot wide by 750-foot long trenches which were 10 feet and 15 feet deep.

**WATER SUPPLY AND TREATMENT** Three medium-sized settling ponds were constructed to handle the effluent.

**COMMENTS** Between 1995 and 2001, water licence PM95-020 was issued to Oliver Leckie to cover mining activity on this ground. Mr. Leckie's last year of operation on this site was 1999 when Mr. Hutchinson purchased it.

**BURWASH CREEK**

**115G/6**

Oliver Leckie

61°23'N 137°13'W

Water Licence: PM95-031

1998, 1999

Kluane Placer Area

**Site no. 191**

**OPERATION/LOCATION** In 1998, this site was moved to upper Burwash Creek after testing under water licence PM95-020 was completed. This operation was located on lower Burwash Creek. A crew of three people mined this site for approximately eight hours a day. Both the right and left limits were worked.

**EQUIPMENT/FUNCTION** A D-8 Caterpillar equipped with an angle blade, a 920 Caterpillar loader with a 2-cubic yard bucket and a 690 John Deere excavator with a ¾-cubic yard bucket were used to perform various tasks.

**WASH PLANT** A 44-inch diameter trommel with a 3-foot wide by 10-foot long sluice run outfitted with 1½-inch riffles and Nomad matting processed the pay gravels at a rate of 20 cubic yards per hour.

**GROUND DESCRIPTION** The ground was worked to a depth of 20 feet. The material encountered in this zone was half frozen and half thawed, with some clay content. Bedrock was wavy in nature.

**MINING CUTS** One cut that was 200 feet by 125 feet in dimension was made. Approximately 500 cubic yards were removed over a two-year period.

**WATER SUPPLY AND TREATMENT** A 6-inch Thompson pump powered by a 635 Perkins diesel was used to supply 500 igpm from an in-stream reservoir. The effluent discharged into two out-of-stream settling ponds that were 50 feet long by 20 feet wide and 10 feet deep and 100 feet long by 40 feet wide by 10 feet deep respectively.

**GOLD** The gold was 60% fine with very few nuggets. It was flat and angular in shape.

**BURWASH CREEK****115G/6**

Steve Johnson

61°23'N 139°20'W

Water Licence: PM99-148

2000, 2001, 2002

Kluane Placer Area

**Site no. 192**

**OPERATION/LOCATION** Mr. Johnson's operation was located immediately upstream from the "S" canyon on the right limit of Burwash Creek. Some site cleanup was done in 2002, however, mining activity was minimal. In 1998, until 2001, two miners and one camp attendant operated one 12-hour shift. In 2002, the work force consisted of two miners.

**EQUIPMENT/FUNCTION** A Caterpillar D-8H was used for stripping, levelling and for the construction of settling ponds, and various excavators with 1½ to 1¼-cubic yard buckets were used for feeding the sluice box, ditching and removing overburden. In 2000, a 977L wheeled loader was used for removing tailings and in 2001, a Komatsu was used to complete this task.

**WASH PLANT** The wash plant consisted of a 5-yard hydraulic dump box, with a fixed push ram that fed a Cassiar-style oscillating 5-foot by 10-foot section of 1-inch punch plate with 12 fixed wash nozzles. The 1-inch minus was fed to the sluice run that was comprised of a slick plate, nugget trap that was fed with low-pressure water, 2 feet of 1-inch riffles spaced 4 inches apart, 4 feet of hydraulic riffles, 4 feet of 1-inch riffles over Nomad mat and 4 feet of expanded metal over Nomad mat. The pump used was a Valley 6-inch powered by a Lister diesel engine that was capable of producing 600 imperial gallons of water per minute.

**GROUND DESCRIPTION** The area of mining activity was generally comprised of 6 feet of pay channel with approximately 16 feet of unfrozen creek gravel overburden. Some clay and black muck was found and saved for future reclamation.

**MINING CUTS** In 1998 and 1999, a total of three cuts were made, 50 feet wide by 150 feet long by 18 feet deep each. In 2000, two cuts were made, 50 feet wide by 150 feet long by 8 feet deep each. In 2001, two cuts were made, 50 feet wide by 200 feet long. In 2002, the cut from 2001 was worked and minimal ground was moved.

**WATER SUPPLY AND TREATMENT** Water was obtained from a stream pond on Burwash Creek between 1998 and 2000. In 2001, water was pumped out of a previous cut that was flooded. Water treatment was out-of-stream and was accomplished through the construction of two settling ponds that were 50 feet wide by 150 long by 6 feet deep.

**GOLD** The gold was mostly flat nuggets and flakes that were well travelled. The approximate size was 30% ¼ inch and larger, and 70% ¼ inch minus. Fineness was 860.

**COMMENTS** Restoration was ongoing and the cut worked in 2002 was backfilled. The presence of ground water in the cuts created additional work.

**BURWASH CREEK****115G/6**

Oliver Leckie

61°23'N 139°14'W

Water Licence: PM95-031

1998

Kluane Placer Area

**Site no. 193**

**OPERATION/LOCATION** The property was located above Tatamagouche Creek on upper Burwash Creek and was worked briefly during the 1998 mining season. The work force consisted of three personnel who ran a daily shift of five hours for approximately one month.

**EQUIPMENT/FUNCTION** A D8 Caterpillar bulldozer was used to strip, and a 690B John Deere excavator was used to feed the wash plant. A 920 Caterpillar loader was also used to perform various tasks.

**WASH PLANT** A 44-inch diameter trommel with a 3-foot by 10-foot sluice run with 1½-inch riffles and Nomad matting was used to recover the gold. This setup was placed on a slope of 1½ inches per foot. The processing rate was 20 cubic yards per hour.

**GROUND DESCRIPTION** The average valley width in this area was approximately 200 feet. The area worked was to a depth of 12 feet which consisted of frozen and thawed ground made up of average-sized material, decomposed bedrock and some clay.

**MINING CUTS** Material processed was from four test holes.

**WATER SUPPLY AND TREATMENT** Water was supplied by a Thompson 6-inch pump powered by a 635 Perkins diesel which produced 450 gallons of water per minute. Water was obtained from Burwash Creek. There was no discharge.

**GOLD** The gold recovered consisted of small nuggets with a fineness of 860.

**COMMENTS** Reclamation occurred as mining progressed.

**LOWER BURWASH CREEK 115G/6**

Charles Eikland Senior 61°25'N 139°14'W  
 Water Licence: PM00-179 2001, 2002  
 Kluane Placer Area Site no. 194

**OPERATION/LOCATION** Mr. Oliver Leckie tested and mined this property in 2001. In 2002, Mr. Dale Hall mined on the right limit of this site. The number of personnel was one miner and one camp attendant who ran a five-hour shift.

**EQUIPMENT/FUNCTION** A John Deere 690B excavator was used to feed the trommel and a D8H Caterpillar bulldozer was used to clear tailing and for pushing up pay gravels.

**WASH PLANT** A 44-inch by 20-foot trommel which screened the material to 3/8-inch and 1/2-inch was used. The hopper was 8 feet long by 6 feet wide and had a 12-inch by 18-inch nugget trap. The pay gravel went into a 22-inch by 8-foot long sluice run.

**GROUND DESCRIPTION** There were 3 feet of topsoil over 8 feet of gravel with small boulders before bedrock was encountered. The area worked was not frozen and was relatively flat.

**MINING CUTS** In 2001, 4900 cubic yards of material was taken from one cut. One cut was made in 2002 that was 165 feet wide by 180 feet long by 8 feet deep. Approximately 8800 yards of material were moved.

**WATER SUPPLY AND TREATMENT** Water was obtained from a ditch off of Burwash creek with a Thompson 6-inch pump that was powered with a 635 Perkins diesel engine and was capable of providing 450 imperial gallons per minute. No water was returned to Burwash Creek as the four settling ponds were capable of total containment of the effluent.

**GOLD** The gold was fine and flat and quite bright in colour. It appeared to be well travelled. Fineness was 740.

**COMMENTS** Mr. Dale Hall completed mining and reclamation of this property in August of 2002. The generous supply of topsoil assisted greatly in reclamation efforts.

**BURWASH CREEK 115G/6**

Wayne Mitchell 61°25'N 139°14'W  
 Water Licence: PM00-187 2001  
 Kluane Placer Area Site no. 195

**OPERATION/LOCATION** Mr. Mitchell was working on lower Burwash Creek during 2001. The work force consisted of one miner and one camp attendant who worked eight-hour shifts.

**EQUIPMENT/FUNCTION** A Komatsu 220 excavator performed all the required work.

**WASH PLANT** A trommel with a 36-inch barrel, 14-foot wet hopper, 22-foot stacker conveyor with a 5-foot by 12-foot sluice run was used.

**GROUND DESCRIPTION** The overburden consisted of 10 to 13 feet of cobbles with some larger rocks that were approximately 3 feet in diameter. The 3-foot pay zone was then encountered which was a rusty clay, sand, cobble mix.

**MINING CUTS** Approximately 200 cubic yards of material were moved from 13 test pits.

**WATER SUPPLY AND TREATMENT** Water was obtained from Burwash Creek and was supplied by a Monarch 5-inch by 6-inch pump powered by a Deutz diesel that was capable of producing 700 imperial gallons of water per minute. Effluent was treated by a series of three ponds.

**GOLD** The gold from this area was fine, flat and bright in colour.

**COMMENTS** Mr. Mitchell has moved to Judy Creek.

**QUILL CREEK 115G/6, 11**

Willi Pfisterer 61°31'N 139°20'W  
 Water Licence: PM99-042 1998, 1999, 2000, 2001, 2002  
 Kluane Placer Area Site no. 196

**OPERATION/LOCATION** Mr. Willi Pfisterer mined primarily on the left limit of Quill Creek from 1998 until 2001. Restoration work was done at the end of each season. In 2002, Mr. Pfisterer sold his property to Mr. Joe Nichols who conducted stripping, testing and some limited sluicing on the right limit of Quill Creek.

**EQUIPMENT/FUNCTION** Equipment on-site was a 850 Case and a Link Belt 2800 excavator. Both pieces of equipment were used for testing, stripping and feeding the sluice box.

**WASH PLANT** A typical 4-foot by 8-foot grizzly with spray bar over a single run 12-foot sluice was used to process 10 loose cubic yards of material per hour.

**GROUND DESCRIPTION** The valley width of Quill Creek in this area provided ample room for the construction of settling facilities. The ground was made up of gravel with a few small boulders. Glaciation was encountered each spring.

**MINING CUTS** The majority of mining cuts were located on the left limit.

**WATER SUPPLY AND TREATMENT** Water was obtained from Quill Creek with a pump that was equipped with two 3-inch suction hoses. The effluent was treated with a series of settling ponds that numbered between two and four ponds.

**COMMENTS** This site was covered by water licence PM96-033 between the years of 1998 and 1999. In 2000, water licence PM99-042 was issued for work at this site.