



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Assessment Report on the Gopher Placer Property**

**TOTAL COST: \$41,937.36**

AUTHOR(S): Bob Lane

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5461836 / August 5, 2013

YEAR OF WORK: 2013

PROPERTY NAME: Gopher

CLAIM NAME(S) (on which work was done): Max 3, Max 6, Bear #3, Mary 1, Mary 2, Mary 3, Mary 5

COMMODITIES SOUGHT: Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Atlin

NTS / BCGS: 104N.054

LATITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "

LONGITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " (at centre of work)

UTM Zone: 8      EASTING: 600850      NORTHING: 6600950

OWNER(S): Dale Halstead

MAILING ADDRESS: 1811 Pine Avenue, Alva, Florida, USA 33920

OPERATOR(S) [who paid for the work]: Dale Halstead

MAILING ADDRESS: as above

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Cache Creek Group, Mississippian to Jurassic, oceanic sedimentary rocks; Surprise Lake batholith, Late Cretaceous, granitic; Wisonian glaciation, till and alluvial sediments, placer gold.**

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping			
Photo interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for ...)</b>			
Soil			
Silt	13	Bear #3 Max 3 & 6; Mary 1- 3, 5	\$41, 937.36
Rock			
Other			
<b>DRILLING (total metres, number of holes, size, storage location)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
<b>PROSPECTING (scale/area)</b>			
<b>PREPATORY / PHYSICAL</b>			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
		<b>TOTAL COST</b>	\$41,937.36





Print and Close

Cancel

## Mineral Titles Online

## Placer Claim Exploration and Development Work/Expiry Date Change Confirmation

**Recorder:** LANE, ROBERT A (115043)      **Submitter:** LANE, ROBERT A (115043)  
**Recorded:** 2013/AUG/05      **Effective:** 2013/AUG/05  
**D/E Date:** 2013/AUG/05

## Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

**Event Number:** 5461836

**Work Type:** Technical Work  
**Technical Items:** Geochemical, PAC Withdrawal (up to 30% of technical work performed), Prospecting

**Work Start Date:** 2013/JUL/25  
**Work Stop Date:** 2013/AUG/04  
**Total Value of Work:** \$ 41902.82  
**Mine Permit No:**

## Summary of the work value:

Tenure Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
357352	CAMP 1	1997/jul/07	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
413412	MEKH 1	2004/aug/17	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
413413	MEKH 2	2004/aug/17	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
389672	Z-KNOT	2001/sep/15	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
350756	MARY-6	1996/sep/13	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
396227	MAX 2	2002/sep/06	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
348086	MARY-4	1996/jul/17	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
320515	BEAR #3	1993/aug/29	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
396226	MAX 1	2002/sep/06	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
357349	MARY 1	1997/jul/07	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.38	\$ 0.00
388866	Y-KNOT	2001/aug/14	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
396228	MAX 3	2002/sep/07	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
357350	MARY 2	1997/jul/07	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.38	\$ 0.00
403827	MAX 6	2003/jul/11	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.41	\$ 0.00
413414	MEKH 3	2004/aug/17	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
413415	MEKH 4	2004/aug/17	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
403828	MAX 7	2003/jul/11	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
349944	MARY-5	1996/aug/24	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.56	\$ 0.00
357351	MARY 3	1997/jul/07	2013/aug/06	2015/Jul/31	724	50.00	\$ 1983.38	\$ 0.00
403531	MAX 4	2003/jul/03	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
403532	MAX 5	2003/jul/03	2013/aug/06	2015/Jun/30	693	50.00	\$ 1898.63	\$ 0.00
1021060	GOFUR 1	2013/jul/17	2014/jul/17	2015/Jun/30	348	49.23	\$ 938.76	\$ 0.00

1021061	GOFUR 2	2013/jul/17	2014/jul/17	2015/Jun/30	348	32.84	\$ 626.19	\$ 0.00
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**Financial Summary:**

**Total applied work value:** \$ 42624.51

**PAC name:** robert andrew lane  
**Debited PAC amount:** \$ 721.69  
**Credited PAC amount:** \$ 0.0

**Total Submission Fees:** \$ 0.0

---

**Total Paid:** \$ 0.0

*Please print this page for your records.*

The event was successfully saved.

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**ASSESSMENT REPORT**  
**ON THE**  
**GOPHER PLACER PROPERTY**

**ATLIN MINING DIVISION**

**BRITISH COLUMBIA**

**CANADA**

**BCGS MAP: 104N.054**

**UTM (NAD 83) ZONE 8 600850E 6600950N**

**PREPARED FOR:**

**DALE HALSTEAD  
c/o 3549 Opie Crescent  
Prince George, BC  
Canada V2N 1B8**

**BC Geological Survey  
Assessment Report  
34386**

**PREPARED BY:**

**BOB LANE, PGEO  
PLATEAU MINERALS CORP.  
#7 – 1750 QUINN STREET S.  
PRINCE GEORGE, BC  
CANADA V2N 1X3**

**NOVEMBER 21, 2013**





Frontispiece: Birds-eye view looking southward and downstream along the upper reaches of O'Donnell River. Access tracks and sites of relatively recent alluvial mining are noticeable as non-vegetated areas, while areas of historic mining disturbance are generally inconspicuous. The Gopher camp and most recently mined areas are in the distant background (photograph courtesy of Grant Paulson, August 4, 2013).

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## 1. SUMMARY

The Gopher placer gold property is located in the Atlin Mining Division, approximately 36 road km east of Atlin in northwestern British Columbia. The property consists of 23 placer claims and one adjoining placer lease that cover 1,232.07 ha of the O'Donnel River drainage area. The property has been the subject of considerable historical alluvial mining, and was last worked in 2005.

The region underwent complex glacial activity during the most recent (Wisconsinian) glaciation, which ended with deglaciation beginning about 12,000 years ago. The project area is characterized by basal lodgement and ablation till deposits resting directly upon bedrock and overlain by a thin organic soil profile. In the actively-worked areas, two varved clay (pond) deposits were discovered; and both kame terrace and eskers are present in the area as well. These deposits have been cut by the modern O'Donnel River and its' tributaries, which have been the locus of exploration activities to date. The lode source for gold contained in these surficial materials remains unknown.

During a 2003 field program conducted by geologist Tom Sneddon, air photos were reviewed to identify areas meriting close investigation, rock exposures were visited, and east-west trenches completed and sampled for analysis. Gold was found in significant amounts on the property in at least three locations, and Sneddon proceeded to estimate resources for the property based on relatively limited, generally wide-spaced trenching results, and no drilling information.

From July 25 to August 4, 2013, the author led a modest exploration program aimed at assessing the potential of the placer property and to review the locations of the 2003 site work. The areas of historical placer mining and or exploration, including the sites assessed in 2003, were identified and in some cases sampled. Panning of some of the samples yielded minor amounts of very fine-grained or flour gold, but confirmed the presence of the yellow metal. Stream sediment sampling and prospecting along O'Donnel River and some of its tributaries north of the main areas of historical workings, in the northern portion of the claim block, did not identify any anomalous areas. The cost of the 2013 exploration program was \$41,937.36.

It is recommended that systematic excavator trenching and test processing of meaningful volumes of potential pay gravels be conducted as the best means of determining optimum areas for future full scale placer mining. In addition, site reclamation of the old camp, shop and equipment storage areas should be addressed. The estimated cost of the recommended program is \$89,000.

## 2. INTRODUCTION

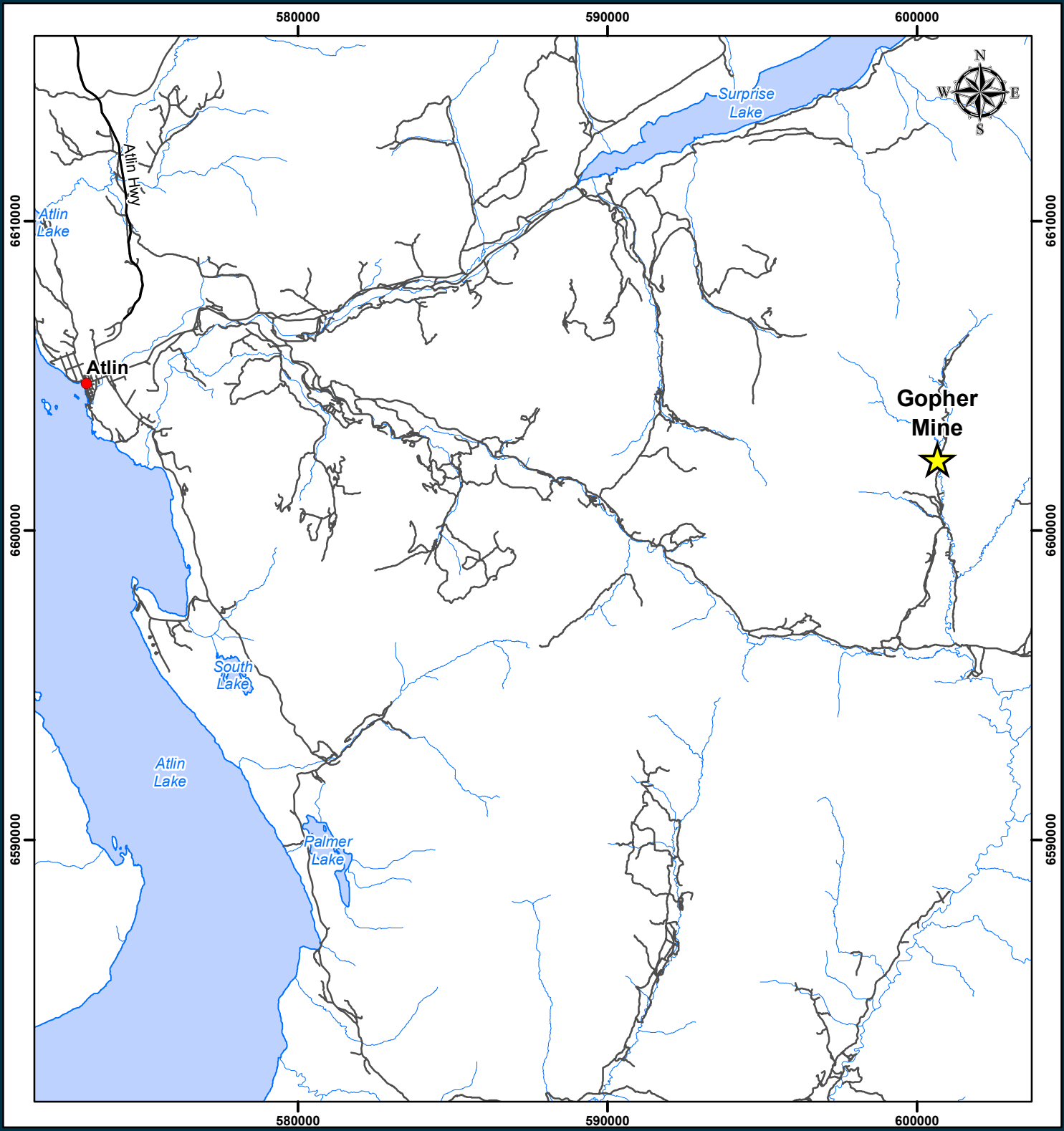
This report has been prepared at the request of property owner Dale Halstead to summarize the work of previous investigators and to incorporate the results of an exploration program conducted from July 25 to August 4, 2013, on the Gopher placer property. Work completed during the 2013 field season was by a field crew under the direction of Bob Lane, PGeo. This work was a follow-up to a 2003 investigation conducted by Tom Sneddon (2003).

## 3. PROPERTY DESCRIPTION AND LOCATION

The Gopher Placer property is located approximately 36 road km east of the village of Atlin in the Atlin Mining Division of north-central British Columbia (Figure 1). The property is located on BCGS map 104N.054. The most recent workings are approximately centered at UTM (NAD 83) Zone 8 600850E 6600950N.

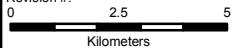
As of August 2013 the property consisted of 23 contiguous and/or overlapping placer claims and one adjoining placer lease that cover 1,232.07 ha of the upper reaches of the O'Donnel River drainage (Table 1 and Figure 2). All of the placer claims will remain in good standing until at least June 30, 2015. The term expiry date of the placer lease (Lease of Placer Minerals #323588) is August 24, 2024; however lease payments of \$2,000 are required annually to keep the lease in good standing.

The Gopher Placer property is not encumbered by any provincial or national parks, or other protected areas.



**Dale Halstead  
GOPHER PLACER  
PROJECT  
Figure 1  
Location Map**

20k Mapsheets:  
Date: 11/20/2013  
Projection: NAD 1983 UTM Zone 8N  
Scale: 1:175,000  
Author: tkwitkoski  
Last Modified By: tkwitkoski  
Checked By:  
Revision #:



**Legend**

- Community
- ★ Gopher Mine
- Highway
- Road
- Stream
- Lake



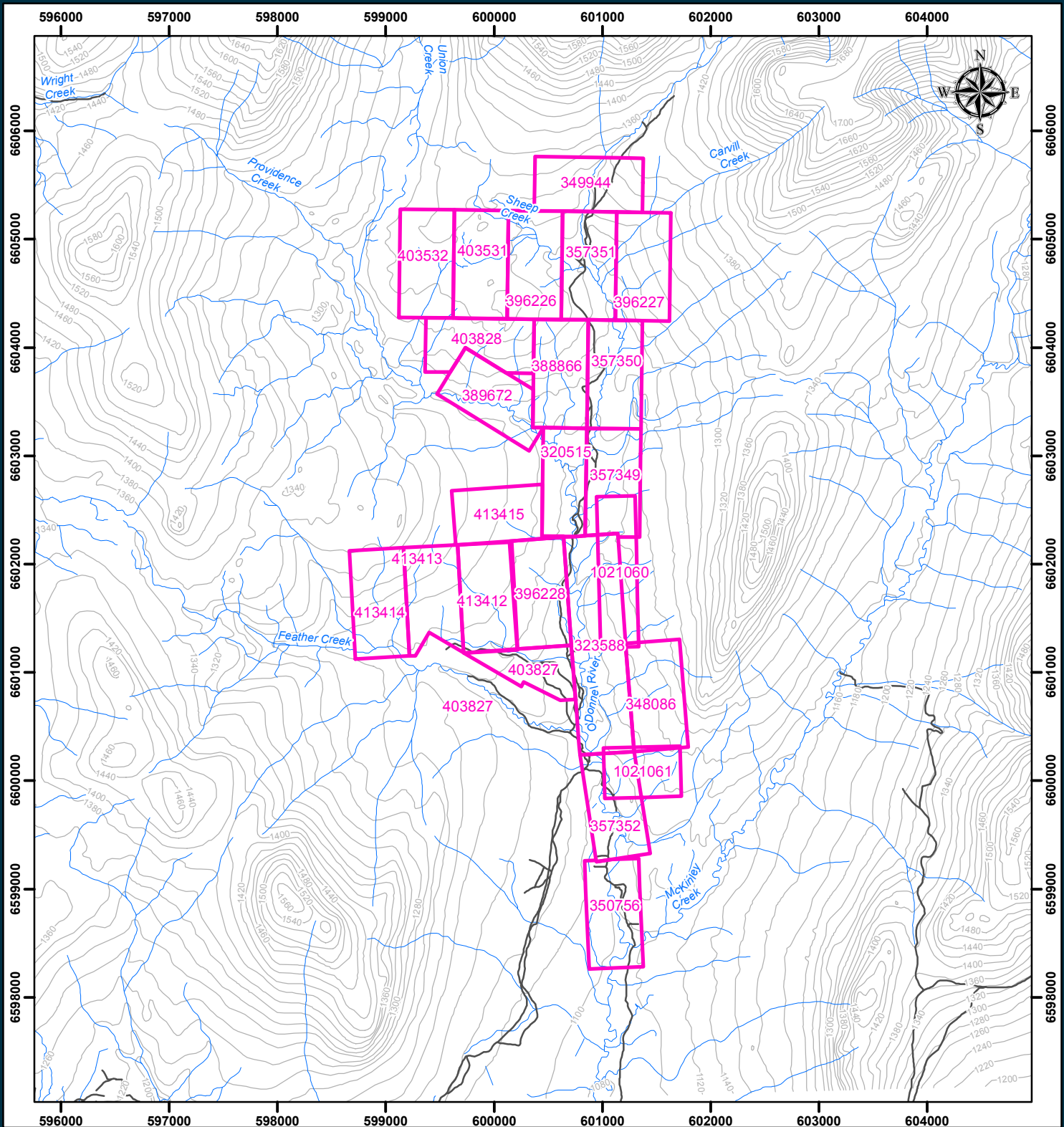
**Table 1: List of Tenures - Gopher Placer Property**

Tenure Number	Claim Name	Owner	Tenure - Type	Tenure - Sub Type	Map Number	Issue Date	Good To Date	Area (ha)
320515	BEAR #3	138929 (100%)	Placer	Claim	104N054	1993/aug/29	2015/jul/31	50.00
323588		138929 (100%)	Placer	Lease	104N054	1994/aug/03	2014/aug/03	100.00
348086	MARY-4	138929 (100%)	Placer	Claim	104N054	1996/jul/17	2015/jun/30	50.00
349944	MARY-5	138929 (100%)	Placer	Claim	104N054	1996/aug/24	2015/jul/31	50.00
350756	MARY-6	138929 (100%)	Placer	Claim	104N054	1996/sep/13	2015/jul/31	50.00
357349	MARY 1	138929 (100%)	Placer	Claim	104N054	1997/jul/07	2015/jul/31	50.00
357350	MARY 2	138929 (100%)	Placer	Claim	104N054	1997/jul/07	2015/jul/31	50.00
357351	MARY 3	138929 (100%)	Placer	Claim	104N054	1997/jul/07	2015/jul/31	50.00
357352	CAMP 1	138929 (100%)	Placer	Claim	104N054	1997/jul/07	2015/jun/30	50.00
388866	Y-KNOT	138929 (100%)	Placer	Claim	104N054	2001/aug/14	2015/jul/31	50.00
389672	Z-KNOT	138929 (100%)	Placer	Claim	104N054	2001/sep/15	2015/jul/31	50.00
396226	MAX 1	138929 (100%)	Placer	Claim	104N054	2002/sep/06	2015/jul/31	50.00
396227	MAX 2	138929 (100%)	Placer	Claim	104N054	2002/sep/06	2015/jun/30	50.00
396228	MAX 3	138929 (100%)	Placer	Claim	104N054	2002/sep/07	2015/jul/31	50.00
403531	MAX 4	138929 (100%)	Placer	Claim	104N054	2003/jul/03	2015/jun/30	50.00
403532	MAX 5	138929 (100%)	Placer	Claim	104N054	2003/jul/03	2015/jun/30	50.00
403827	MAX 6	138929 (100%)	Placer	Claim	104N054	2003/jul/11	2015/jul/31	50.00
403828	MAX 7	138929 (100%)	Placer	Claim	104N054	2003/jul/11	2015/jun/30	50.00
413412	MEKH 1	138929 (100%)	Placer	Claim	104N054	2004/aug/17	2015/jul/31	50.00
413413	MEKH 2	138929 (100%)	Placer	Claim	104N054	2004/aug/17	2015/jul/31	50.00
413414	MEKH 3	138929 (100%)	Placer	Claim	104N054	2004/aug/17	2015/jul/31	50.00
413415	MEKH 4	138929 (100%)	Placer	Claim	104N054	2004/aug/17	2015/jun/30	50.00
1021060	GOFUR 1	138929 (100%)	Placer	Claim	104N	2013/jul/17	2015/jun/30	49.23
1021061	GOFUR 2	138929 (100%)	Placer	Claim	104N	2013/jul/17	2015/jun/30	32.84

23 placer claims and 1 placer lease

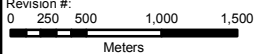
Total hectares: 1232.07





**Dale Halstead  
GOPHER PLACER  
PROJECT  
Figure 2  
Tenure Map**

20k Mapsheets:  
Date: 11/20/2013  
Projection: NAD 1983 UTM Zone 8N  
Scale: 1:50,000  
Author: tkwitkoski  
Last Modified By: tkwitkoski  
Checked By:  
Revision #:



**Legend**

- Highway
- Road
- Stream
- Contour
- Lake
- Plaser Tenure



## 4. ACCESS, LOCAL RESOURCES, CLIMATE AND PHYSIOGRAPHY, INFRASTRUCTURE

### 4.1 ACCESS

Access to Atlin is via Yukon Territorial Highway 7, which in turn connects to the Tagish Road and the Alaska Highway.

The Gopher placer gold property is located approximately 36 road kilometres east of Atlin, BC. The property is accessed by driving eastwards from Atlin along the paved Surprise Lake Road and unpaved Spruce Creek Road. Six km east of Atlin turn right and cross a bailey bridge. The road continues along the upper portions of Spruce Creek to the O'Donnel River divide, where it branches north (Blue Canyon Road) and follows the O'Donnel River to its confluence with Feather Creek near the Gopher property camp (Plate 1).

### 4.2 LOCAL RESOURCES

The nearest well-populated community is Atlin (population: 300 - 500). Access to the community is via the Yukon Territorial Highway 7, which in turn connects to the Tagish Road and the Alaska Highway.

Atlin has an abundance of fresh water resources from Atlin Lake, Pine Creek, Spruce Creek, Otter Creek, Snake Creek and Wilson Creek. A skilled labour force for mining and mineral exploration is available locally in Atlin and in Whitehorse, Yukon. Float planes are a common site on Atlin Lake, and the community also has a small airport.

### 4.3 CLIMATE AND PHYSIOGRAPHY

Atlin's climate is strongly influenced by the Pacific Ocean but, being east of the Coast Range Mountains, is dryer than areas along the coast. Winters tend to be long and cold, with daily mean temperatures down to about -16 degrees C range and extreme lows of about -48 degrees C. Summers are short and cool, with daily mean temperatures of about 12 degrees and extreme highs of about 30 degrees; frost-free days are only between 30 and 100 per year. Generally, exploration activities can be carried out from May until October.

The Gopher property area is situated within the Teslin Plateau, an undulating tableland at an elevation of about 1500 m, but with local summits in the range of 1800 to 2100 m. Topographic elevations within the claim group range from about 1100 m at their southern extremity on O'Donnel River to about 1340 m.

The tree line is at about 1400 m on south-facing slopes, and 1500 m on north-facing slopes. Below the tree line is a light to medium forest of lodgepole pine, black spruce, aspen and birch with light underbrush which may be thick around streams. Alpine vegetation predominate above the tree line, with heather, sedges and stunted buck brush.



**Plate 1: Aerial view of the Gopher Mine camp and recent workings with the access road leading off to the southwest (photograph courtesy of Grant Paulson, August 4, 2013).**

#### 4.4 INFRASTRUCTURE

The Gopher property is in a remote area. It is accessible by seasonal gravel roads and mining trails negotiable by 4WD-equipped vehicles. A camp on the property includes four damaged construction-style trailers that may be beyond repair, a partially collapsed Quonset storage building, and a couple of small rustic wooden buildings, and a 350 KVA generator. Equipment onsite includes D7 and D8 CAT bulldozers, a Komatsu PC220LC tracked excavator, a John Deere back hoe/loader, and a large trommel.

## 5. HISTORY

The following account of the history of exploration on the Gopher placer property is taken from Sneddon (2003), p. 9-10:

“The first recorded gold discovery in the Teslin Plateau Region was by two prospectors named Miller and McLaren on Pine Creek in 1898 (Debicki, 1984). Gold was first discovered on the lower reaches in 1912 from a presumed paleoplacer deposit in a high bench, 12 miles from the mouth of Atlin Lake. This event produced a staking rush in 1913 (Minister of Mines, 1937).

"In general, O'Donnel River gold is of relatively high fineness (805-807) and between 1898 and 1945, 6,455 oz (200,700 g) were produced (Debicki, 1984); about half of the total was produced before 1925. In recent years (1981 to the present), the Gopher Mine was the only active property on O'Donnel River, although there has been activity on Feather Creek above the confluence with the O'Donnel.

"The Primary target was the paleoplacer, however there was insufficient water available to support hydraulic mining, the technology of choice of that period, and the river gradient is too low in that reach to allow damming. Consequently, interest shifted to other streams in the area. Later miners tried drifting the red zone, with some success. Attempts to reach bedrock generally failed due to groundwater influx flooding the workings.

"The Minister also reported in 1937 that NTE Murphy on a claim named Ethel M worked a bench by drifting and recovered 33 troy oz of gold from 500 yards of gravel sluiced (0.066 oz/yd<sup>3</sup>; 2.68 g/m<sup>3</sup>). The primary pay zone was the paleoplacer in a channel in the high bench below glacial drift. Bedrock is described as "decomposing" and flat and at 3,025 feet (1052 m) elevation, 625 feet (217.5 m) from the adit portal. The production zone is 17 feet (5.18 m) above the adit portal and 64 feet (19.5 m) above the O'Donnel River. The channel was reported as several times the width of the modern (O'Donnel (300 m at this point). The ancient stream appeared to be incised in bedrock, with anastomosing channels producing a "wavy" appearance. Extension of the channel beyond Murphy's workings has never been successful. Others have encountered similar buried channels upstream from Ethel M, but the results were described as "patchy." There is evidence that the buried channel has surface expression in the form of a shallow trough.

"The 1937 report describes an adit operation by John Noland of Atlin, who sank a shaft 52 feet (15.8 m) to bedrock at the confluence of Feather and Dixie (as the upper O'Donnel River was known then) Creeks. He drifted 40 feet to the North East and 160 feet to the South West. Recoveries were reported to be "a ½ oz (per ton?) of fine and coarse gold to the set, for a length of 40 feet south of the shaft." Surface gravels at this point yielded between 0.346 g/m<sup>3</sup> and 0.7112 g/m<sup>3</sup>.

"The same report mentions coarse gold recovery from Carville, Dixie, Feather, Slate and McKinley Creeks, within the area covered by this report. Individuals made the recoveries and no systematic, detailed investigations had been carried out in the upper O'Donnel to 1937.

Recorded information for placer activity on the O'Donnel River is not voluminous. It is known that in 1981-1982 O.T. (Bud) Berg mined the Gopher property using a D& bulldozer and P&H 312 excavator, and washed surficial materials through a narrow 6 m long sluice box at an approximate rate of 75 cubic metres per day (Debicki, 1984).

Dale and Mary Halstead purchased the Gopher placer property from Berg in July, 1996. The couple operated the mine at a small scale intermittently (seasonally) from 1996 through to 2005 producing an uncertain amount of gold from two main areas: one downstream from the camp (now reclaimed) and one upstream from the camp nearer to the confluence of Feather Creek and O'Donnel River.

In 2002 and 2003, the Halstead's contracted D.T. (Tom) Sneddon to conduct a testing program over the length of the property. His work included a mineral resource estimate for the property



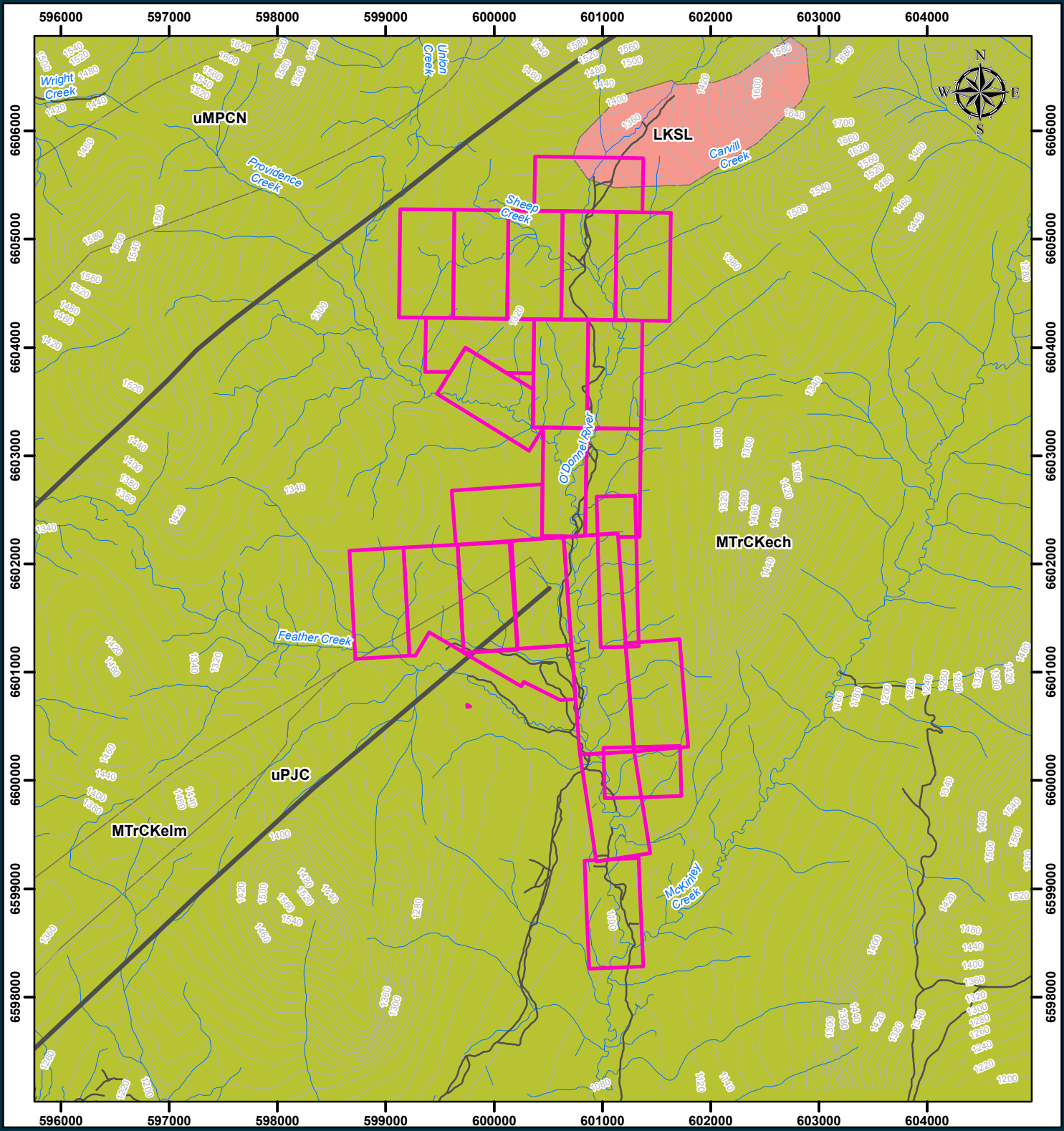
that is not in compliance with NI 43-101 reporting standards, and concluded that there were three areas of particular significance that merit further systematic mechanical evaluation, each coinciding with a confluence of a major tributary of the O'Donnel River (Sneddon , 2003).

## 6. GEOLOGICAL SETTING AND MINERALIZATION

### 6.1. BEDROCK GEOLOGICAL SETTING

The Gopher placer property is located in the northern part of the Cache Creek Terrane and is underlain by an accreted complex of oceanic sedimentary rocks ranging in age from Mississippian to Jurassic, and by ophiolitic rocks ranging in age from Late Permian to Triassic (Aitken, 1959; Monger, 1975). Accretion and deformation of the rocks occurred between 187 and 174 Ma (Middle Jurassic) and the rocks subsequently were intruded by granitic plutons of which the Late Cretaceous Surprise Lake batholith, a few kilometres to the north, is the most significant.

Bedrock under the claim group itself consists mostly of argillite and quartzite, with local chert, marble, greywacke and mafic igneous rocks of the Cache Creek Group. The volcanic rocks themselves are megabreccias with metamorphosed limestone xenoliths. Although none occurs on the Gopher Placer property, Pleistocene and Recent cinder cones, lava flows and ejecta deposits occur in the general vicinity.



**Dale Halstead  
GOPHER PLACER  
PROJECT  
Figure 3  
Regional Geology**

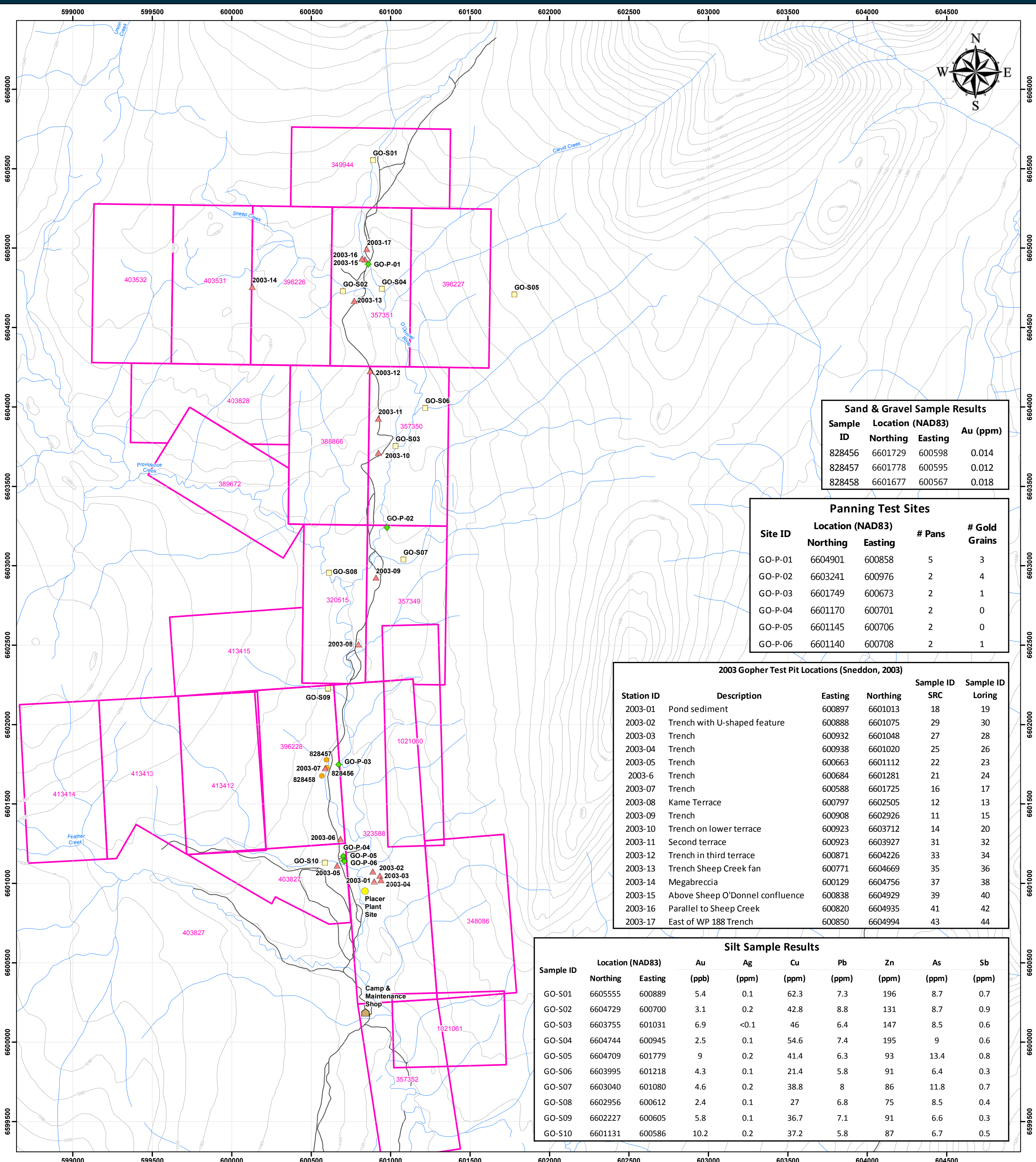
20k Mapsheets:  
Date: 11/20/2013  
Projection: NAD 1983 UTM Zone 8N  
Scale: 1:50,000  
Author: tkwitkoski  
Last Modified By: tkwitkoski  
Checked By:  
Revision #:  
0 250 500 1,000 1,500  
Meters

**Legend**

Fault	Lake
Thrust	Mineral Tenure
Highway	Placer Tenure
Road	
Stream	
Contour	







Sand & Gravel Sample Results			
Sample ID	Location (NAD83)		Au (ppm)
	Northing	Easting	
828456	6601729	600598	0.014
828457	6601778	600595	0.012
828458	6601677	600567	0.018

Panning Test Sites				
Site ID	Location (NAD83)		# Pans	# Gold Grains
	Northing	Easting		
GO-P-01	6604901	600858	5	3
GO-P-02	6603241	600976	2	4
GO-P-03	6601749	600673	2	1
GO-P-04	6601170	600701	2	0
GO-P-05	6601145	600706	2	0
GO-P-06	6601140	600708	2	1

2003 Gopher Test Pit Locations (Sneddon, 2003)					
Station ID	Description	Location (NAD83)		Sample ID	Sample ID
		Easting	Northing	SRC	Loring
2003-01	Pond sediment	600897	6601013	18	19
2003-02	Trench with U-shaped feature	600888	6601075	29	30
2003-03	Trench	600932	6601048	27	28
2003-04	Trench	600938	6601020	25	26
2003-05	Trench	600663	6601112	22	23
2003-06	Trench	600684	6601281	21	24
2003-07	Trench	600588	6601725	16	17
2003-08	Kame Terrace	600797	6602505	12	13
2003-09	Trench	600908	6602926	11	15
2003-10	Trench on lower terrace	600923	6603712	14	20
2003-11	Second terrace	600923	6603927	31	32
2003-12	Trench in third terrace	600871	6604226	33	34
2003-13	Trench Sheep Creek fan	600771	6604669	35	36
2003-14	Megabreccia	600129	6604756	37	38
2003-15	Above Sheep O'Donnel confluence	600838	6604929	39	40
2003-16	Parallel to Sheep Creek	600820	6604935	41	42
2003-17	East of WP 188 Trench	600850	6604994	43	44

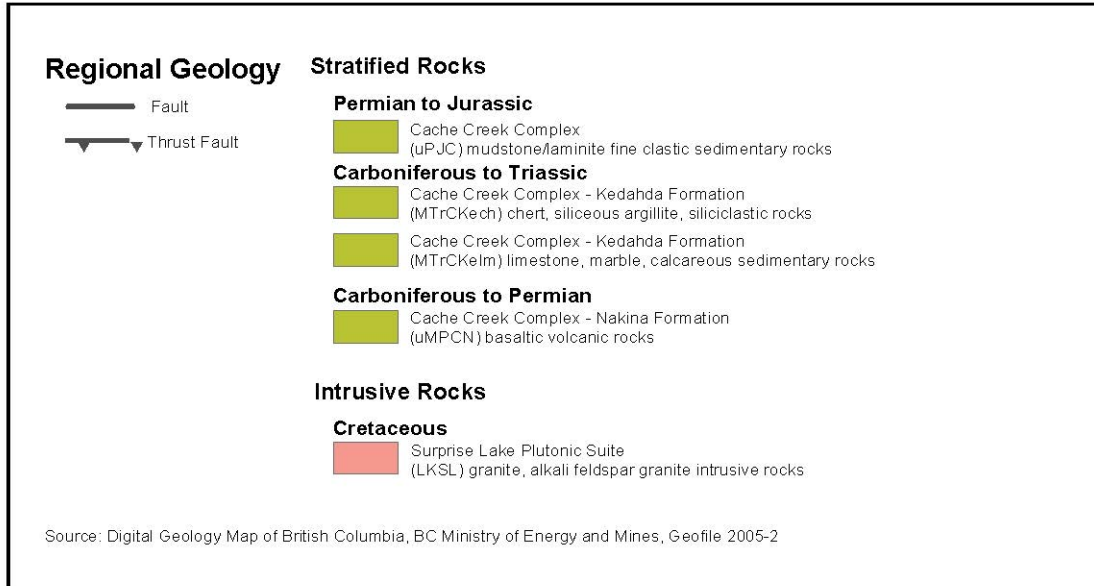
Silt Sample Results									
Sample ID	Location (NAD83)		Au	Ag	Cu	Pb	Zn	As	Sb
	Northing	Easting	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
GO-S01	6605555	600889	5.4	0.1	62.3	7.3	196	8.7	0.7
GO-S02	6604729	600700	3.1	0.2	42.8	8.8	131	8.7	0.9
GO-S03	6603755	601031	6.9	<0.1	46	6.4	147	8.5	0.6
GO-S04	6604744	600945	2.5	0.1	54.6	7.4	195	9	0.6
GO-S05	6604709	601779	9	0.2	41.4	6.3	93	13.4	0.8
GO-S06	6603995	601218	4.3	0.1	21.4	5.8	91	6.4	0.3
GO-S07	6603040	601080	4.6	0.2	38.8	8	86	11.8	0.7
GO-S08	6602956	600612	2.4	0.1	27	6.8	75	8.5	0.4
GO-S09	6602227	600605	5.8	0.1	36.7	7.1	91	6.6	0.3
GO-S10	6601131	600586	10.2	0.2	37.2	5.8	87	6.7	0.5

Dale Halstead  
**GOPHER PLACER PROJECT**  
 Figure 5  
 Sample Locations & Results

20k Mapsheets:  
 Date: 11/21/2013  
 Projection: NAD 1983 UTM Zone 8N  
 Scale: 1:15,000  
 Author: tkwitkoski  
 Last Modified By: tkwitkoski  
 Checked By:  
 Revision #:

- Legend**
- ▲ Test Pit Sites
  - ◆ Panning Test Sites
  - Sand & Gravel Samples
  - Silt Samples
  - Camp & Maintenance Shop
  - Placer Plant Site
  - Road
  - Stream
  - Contour
  - Placer Tenure





## 6.2. SURFICIAL GEOLOGY AND PLACER DEPOSIT SETTING

The region has been influenced by at least four glacial epochs, the most recent of which was the Wisconsin. Evidence of earlier glaciation was erased in the area under consideration, as far as has been determined, by scouring of early deposits and the redeposition of the removed materials. Onset of this Epoch was in the range of 35 and 25 ka, with ice cover reaching its maximum between 14.5-14.0 ka. Glacial progression probably began with the development of small alpine glaciers, which then merged into long trunk valley glaciers, which in turn merged into a continental ice sheet. The regional ice dome spread radially from two broad centres, and the Coast Range Sheet and Rocky Mountain Sheet coalesced at glacial maximum. Deglaciation then began and was complete by 10 ka.

As is generally the case, the deglaciation process in the Gopher Placer claim area was complex; local late glacial and postglacial sedimentary features include terminal moraines, kame terraces, eskers, and meltwater/outwash channels (Figure 4).

Bostock (1948) referred to the most recent glacial episode to the north of the claim area as the McConnell Glaciation. The lowermost unit related to the most recent (25 ka) McConnell advance is a dark grey basal (lodgement) till characterized by polished, faceted, striated clasts. Overlying this unit is a widespread ablation till related to the 15-10 ka retreat phase. Eskers that developed during this time, and the presence of pond sediments between these two lowermost units, indicate that seasonal meltwater flows during the retreat were significant. A small terminal moraine and deposits of outwash gravel reflect intermittent local advance and retreat episodes during the more general retreat phase.

Levson (1992) described the general quaternary geology of the Atlin area and (Sneddon (2003) described the local glacial stratigraphy in some detail:

“Analysis of trenches and stream cuts suggests the presence of a single till deposit resting directly on bedrock. In most places, the basal material is yellowish-grey with included angular bedrock



fragments up to 25 cm in longest dimension. This yellow zone is typically 10-20 cm thick. The yellow zone is overlain by 1 m of faceted cobbles mixed with gritty clay, which is in turn overlain by 1.5 m of dark grey clay, indurate till, with mafic and volcanic rounded to subangular pebbles. The dark grey till is likely a lodgement.

"Above the lodgement till is a loose, unstratified sand and gravel 2 to 4 m thick, which is capped by a 5 to 10 cm thick black sand stratum. A black sandy layer is overlain by a red oxidized silty layer, which is capped by a gravel lag and colluvium. A thin organic soil profile is present.

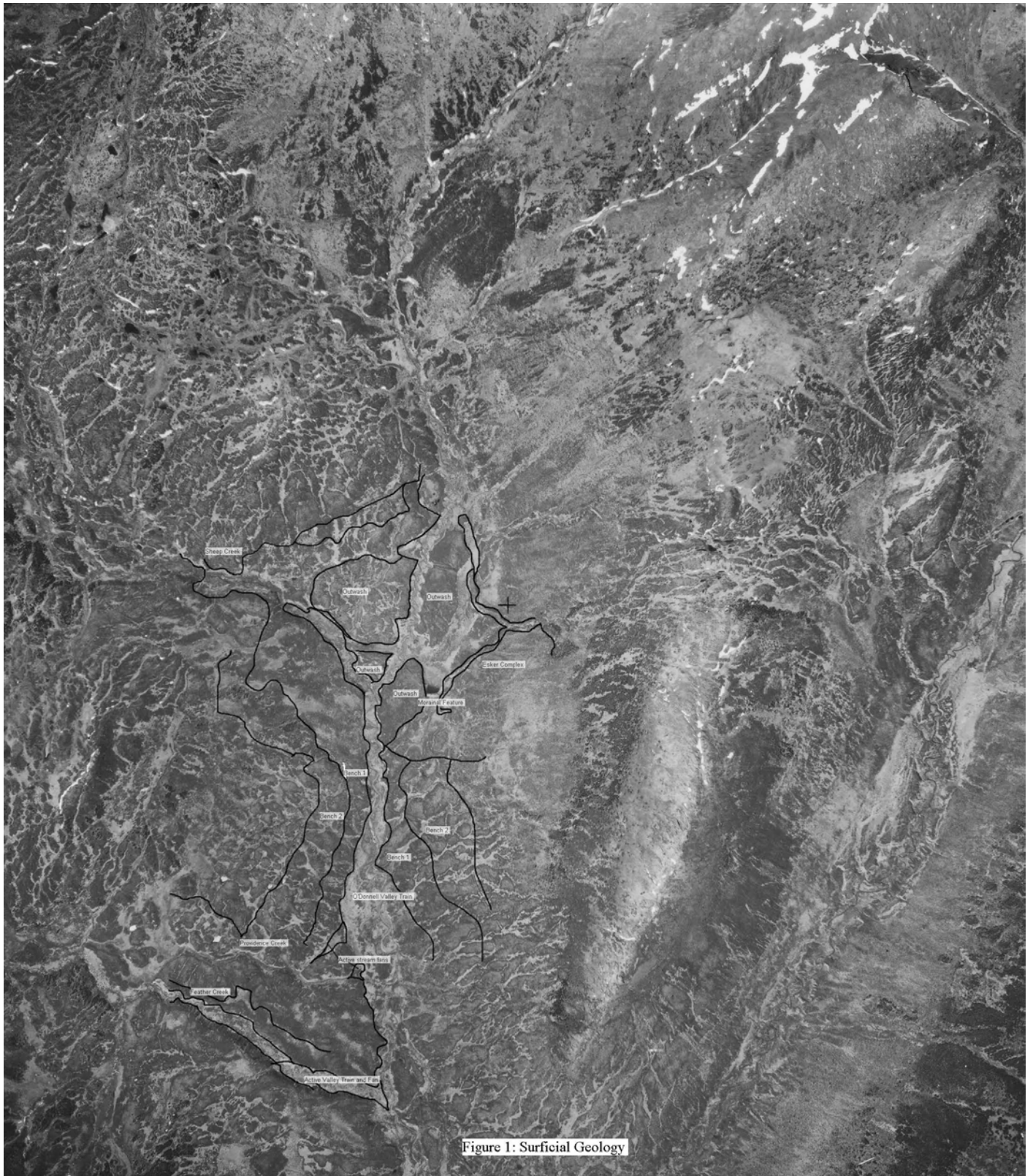
"Glaciofluvial deposits demarcate the lateral boundaries of the last glacier. The lithology of these deposits resembles the ablation till, with the fines removed and with additional rounding of coarse material. Ice damming appears to have occurred leaving a series of sticky, very fine-grained blue clays with interbedded peat deposits.

"The active workings encountered a varved pond deposit, [and at one location penetrated two vertically stacked ponds]. The clay is highly plastic. ... All pond deposits were found on the first bench above the modern O'Donnel and were associated with both bedrock knolls and glaciofluvial deposits. ...

"Modern (Holocene) features are dominated by the O'Donnel River and its principal tributaries, Cavell (or Carvill) Creek, Sheep Creek, Providence Creek, Feather Creek, McKinley Creek and two small unnamed streams on the west side of O'Donnel River between Providence and Feather Creeks. Well-developed stream fans have built into the O'Donnel channel wherever a tributary joins the main stem. In most cases the tributary fan has re-worked the ablation till, re-depositing it further downstream as the tributary stream wandered back and forth across the fan.

"All modern watercourses are misfit streams that overlie and accommodate to the underlying glacial terrain. They follow a dendritic pattern and main stem channels tend to be braided. Locally the streams have eroded to bedrock. Small bogs are common in the O'Donnel valley and fens dominate the upslope regions.

**Figure 4: Interpreted Surficial Geology – Upper O’Donnell River (Sneddon, 2004)**



**Figure 1: Surficial Geology**

## 7. 2013 EXPLORATION PROGRAM

The intent of the 2013 exploration program was to review the work done in 2003 by Sneddon in order to determine priority areas for a mechanical trenching and test pitting follow-up program tentatively planned for 2014.

The 2013 site assessment began on July 27, after having spent two days travelling to Atlin from Prince George, a distance of approximately 1700 km. Site work was conducted by Dale Halstead, Grant Paulson, Scott Gifford and the author. The assessment covered the northern 'half' of the property, from the camp area northward to the claim boundary. No camp was constructed because of the short duration of the project; meals and accommodations were provided in Atlin. Daily mobilization and site access were supported by a combination of 4x4 pickups, a Kubota diesel side-by-side, and a Honda quad.

Firstly, a reconnaissance of the claims was conducted to identify areas of previous placer testing and mining activities, as well as to determine where specifically further development of access may be required.

Panning in several readily accessible sections of the main stem of O'Donnel River and some of its tributaries was undertaken in an attempt to get a sense of the gold content of the near surface alluvial material. Some of the samples collected were of sand and gravel bar material adjacent to the active channel, while other samples were from cut banks eroded by the changing course of the river. A record of the visual results from the panning exercise is shown in Table 2.

Standard silt sampling was also undertaken in the main drainage, principally of tributaries near each confluence with O'Donnel River. Geochemical results for the silt samples collected are shown in Table 3.

An assessment of previously trenched or test pitted sites was also undertaken. The areas were first plotted on a base map and then physically located and flagged. Samples were collected from several of the previously disturbed sites and panned in an attempt to verify earlier results from Sneddon (2003) and identify potential priority areas for mechanical follow-up. Note that the results for the Sneddon (2003) program are unpublished and while they are referred to, they are not discussed in any detail in this report.

### 7.1. RESULTS

#### 7.1.1. Panning

The visual results from panning alluvial materials from ten locations are listed in Table 2. The locations of the samples are shown on Figure 5. From two to twelve large gold pans of hand-dug sand and gravel material were washed from each site. Samples from five of ten locations produced at least one 'colour', with a high total being ten colours and one fine-grained flake at site 2003-07. In most cases the gold recovered was very fine-grained or 'flour gold'; it typically was accompanied by equally fine-grained magnetite.

**Table 2: Summary of Gold Recovered from Panning of Screened Samples**

Site ID	Location (NAD83)		# of screened Pans	Total Gold Colour Count (F, M, C)	Total Gold Flake Count (F, M, C)	Description
	Northing	Easting				
GO-P-01	6604901	600858	5	3 M	0	sandy silt in 2.5m wide section of O'Donnel R; on bedrock of fine-grained black clastic rock cut by white quartz stockwork
GO-P-02	6603241	600976	2	4 F	0	Base of sloughed cutbank on east side of O'Donnel R; mixed silty sandy gravel
GO-P-03	6601749	600673	2	2 F	0	2m+ thick section of cobble-rich coarse-grained sand exposed in cut bank on east side of O'Donnel R
GO-P-04	6601170	600701	2	0	0	1.35m thick upper layer of rusty weathering sandy gravel
GO-P-05	6601145	600706	2	0	0	coarse sand-dominated layer at base of > 3m high cut bank on west side of O'Donnel R
GO-P-06	6601140	600708	2	1 M	0	2.7m thick section of sand & gravel from cut bank of O'Donnel R
GO-S-01	6605555	600889	2	0	0	coarse sandy-silt; 2m wide section of O'Donnel R with 'rim' rock of phyllitic siltstone; previous placer mining evident; silt sample collected
GO-S-02	6604850	600600	1	0	0	1m wide slow moving meandering trib to O'Donnel R; relatively silt-poor, but silt sample collected
GO-S-03	6603755	601031	2	0	0	Sandy silt on point bar of O'Donnel R with large exposure of grey ribbon chert forming west rim of drainage; silt sample collected
Site 2003-07	6601729	600598	12	3 F, 7 M	1 F	mixed sandy gravel with cobbles, locally rusty weathering collected from 2003-07 area



7.1.2. Silt Samples

Results from the analysis of ten silt samples collected from the property are listed in Table 3, and their locations are shown on Figure 5. Laboratory Certificates are provided in Appendix A. Gold values ranged from 2.4 to 10.2 and are regarded to be at or close to background levels for the region.

**Table 3: Silt Samples – Geochemical Results**

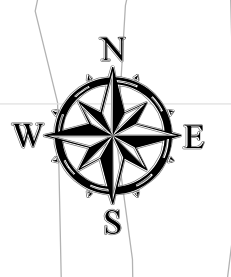
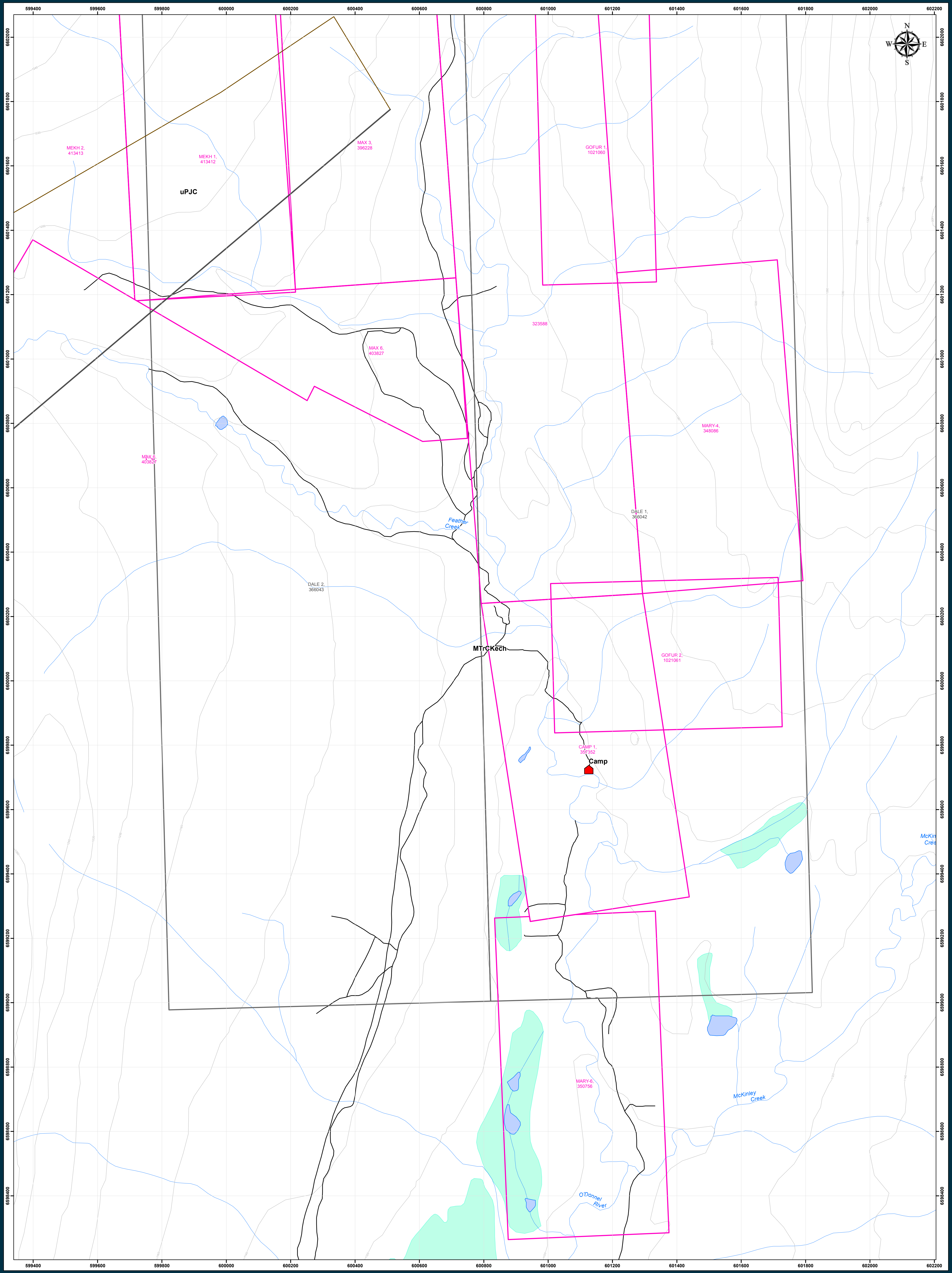
Sample ID	Location (NAD83)		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)
	Northing	Easting							
GO-S01	6605555	600889	5.4	0.1	62.3	7.3	196	8.7	0.7
GO-S02	6604729	600700	3.1	0.2	42.8	8.8	131	8.7	0.9
GO-S03	6603755	601031	6.9	<0.1	46.0	6.4	147	8.5	0.6
GO-S04	6604744	600945	2.5	0.1	54.6	7.4	195	9.0	0.6
GO-S05	6604709	601779	9.0	0.2	41.4	6.3	93	13.4	0.8
GO-S06	6603995	601218	4.3	0.1	21.4	5.8	91	6.4	0.3
GO-S07	6603040	601080	4.6	0.2	38.8	8.0	86	11.8	0.7
GO-S08	6602956	600612	2.4	0.1	27.0	6.8	75	8.5	0.4
GO-S09	6602227	600605	5.8	0.1	36.7	7.1	91	6.6	0.3
GO-S10	6601131	600586	10.2	0.2	37.2	5.8	87	6.7	0.5

7.1.3. Sand and Gravel Test Samples

Results from the analysis of three screened 'bulk' sand and gravel samples collected in close proximity to one another from site 2003-07 of Sneddon (2003) are listed in Table 4, and their locations are shown on Figure 5. Laboratory Certificates are provided in Appendix A. Samples were collected for geochemical analysis because of the encouraging visual results obtained during the panning exercise. Gold values, ranging from 0.012 to 0.018 ppm Au, were surprisingly low given that panning of material from the same location regularly produced visual gold, albeit typically very fine-grained and in limited amounts.

**Table 4: Sand & Gravel 'Bulk' Samples – Gold Assay Results**

Sample ID	Location (NAD83)		Au (ppm)	Sample Description
	Northing	Easting		
828456	6601729	600598	0.014	mixture of broken bedrock with grey clay, sand, pebbles and cobbles
828457	6601778	600595	0.012	Coarse-grained locally iron-stained, grey sand to grit with occasional pebbles and cobbles
828458	6601677	600567	0.018	weakly iron-stained sandy gravel



**Dale Halstead**  
**GOPHER PLACER PROJECT**  
 Regional Geology

20k Mapsheets: 104N.054.55  
 Date: 11/20/2013  
 Projection: NAD 1983 UTM Zone 8N  
 Scale: 1:5,000  
 Author: tkwitkoski  
 Last Modified By: tkwitkoski  
 Checked By: BL  
 Revision #:

**Legend**

Camp	Lake
Fault	Wetland
Road	Regional Geology
Stream	Mineral Tenure
Contour (20m)	Placer Tenure

**Stratified Rocks**

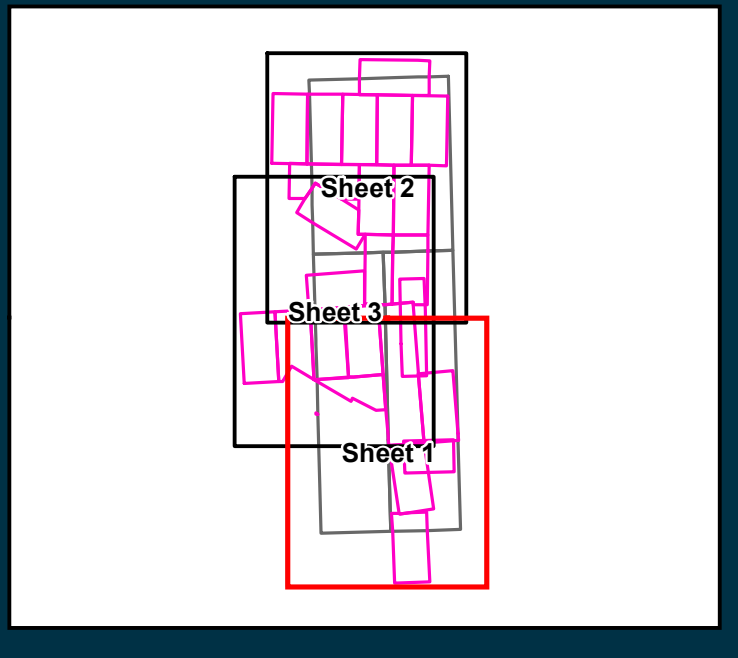
**Upper Permian to Jurassic**  
 Cache Creek Complex (uPJC) mudstone/laminite fine clastic sedimentary rocks

**Mississippian to Triassic**  
 Cache Creek Complex - Kedahda Formation (MTrCKech) chert, siliceous argillite, siliciclastic rocks  
 Cache Creek Complex - Kedahda Formation (MTrCKelm) limestone, marble, calcareous sedimentary rocks

**Upper Mississippian to Permian**  
 Cache Creek Complex - Nakina Formation (uMPCN) basaltic volcanic rocks

**Intrusive Rocks**

**Late Cretaceous**  
 Surprise Lake Plutonic Suite (LKSL) granite, alkali feldspar granite intrusive rocks



## 8. SAMPLING METHOD AND APPROACH

Samples collected manually in the field were described by the authors and/or crew. All samples were placed in heavy poly bags or standard kraft silt/soil bags and labelled with a unique sample number.

Samples collected for panning were shoveled either directly onto a #4 screen resting on a heavy duty plastic gold pan (if there existed a nearby water source for processing) or into 5 gallon pails for transportation via Kubota side-by-side to a central hand panning area on the O'Donnel River or to the plant location where two catchment ponds provided clean processing water. Three large screened samples were collected from the location of the best visual results for gold assaying.

Silt samples were collected in typical fashion from depositional bars on either the O'Donnel River or its tributaries.

## 9. SAMPLE PREPARATION, ANALYSES AND SECURITY

All samples were packed into large rice bags and driven from the property to Prince George by the author. Samples were dried in Plateau Minerals' private office complex in Prince George prior to being re-packed and shipped via commercial courier to the Acme Analytical Laboratories site in Vancouver for analysis.

Acme implements a QA/QC system compliant with the International Standards Organization (ISO) 9001:2008 Model for Quality Assurance.

The silt, and sand & gravel samples were dried at 60°C to minimize loss of volatile elements (such as mercury), and once dry, were screened to -180 microns (-80 mesh ASTM). For each silt sample, a 15 gram split was digested in a 1:1:1 Aqua Regia and elemental concentrations measured by ICP-MS. For each sand & gravel sample, a 30 gram split was assayed for gold only using a lead collection fire-assay fusion method with AAS finish.

## 10. MINERAL RESOURCE ESTIMATES

No mineral resource estimates were carried out as part of this program.

A historical resource estimate for the Gopher property, produced by Sneddon (2003), determined that there was a "measured resource" containing 285,500 troy ounces of gold and an "indicated resource" containing 87,150 troy ounces of gold.

**Note: These historical resource estimates were calculated before the coming into effect of NI 43-101 and cannot be relied upon.**

## 11. INTERPRETATION AND CONCLUSIONS

The Gopher placer property is a significant former gold producer with potential to host additional undiscovered surficial deposits that contain appreciable amounts of alluvial gold. The amount of coarse and hackly gold recovered near the confluence of Feather Creek and O'Donnel River

(personal communication, Dale Halstead (2013); Sack and Mihalyuk (2004)), underscore the potential of the property.

The claims and lease cover almost an eight kilometer continuous length of the upper reaches of the O'Donnel River as well as several of its tributaries. The exact amount of alluvial material processed from the drainage is unknown, but the recorded history of gold production from the O'Donnel River drainage is impressive, albeit almost certainly under-reported.

The 2013 work program was at best a modest attempt to reproduce the encouraging results of Sneddon (2003). Sampling of surficial materials did successfully identify the presence of alluvial gold in several areas of the property, including one that coincides with one of the top anomalies of Sneddon (2003). No coarse gold was recovered during the program, arguably because of the modest scale of the manual work undertaken, and this fact does not diminish the potential of the property.

## 12. RECOMMENDATIONS

It is recommended that systematic excavator trenching and test processing of meaningful volumes of potential pay gravels be conducted as the best means of determining optimum areas for future full scale placer mining.

In addition, site reclamation of the old camp, shop and equipment storage areas should be addressed.

The estimated cost breakdown of the proposed exploration and reclamation program, as laid out in Table 5, is approximately \$89,000.

**Table 5: Recommended Budget – 2014 Testing & Reclamation Program, Gopher Property**

Item	Description	Estimated Cost
Mobilization	includes transportation of workforce (airfare, vehicle rental, fuel, meals accommodations, etc) to Atlin	\$ 6,000
Travel	includes daily travel, meals & accommodation from Atlin to property until site facilities are completed	\$ 1,200
Camp	reconditioning of camp and total operating costs for duration of proposed program	\$ 5,800
Labour	four workers for 20-day program, totaling 80 workdays at an average of \$400 per worker per day	\$ 32,000
Trenching & Test Processing	includes excavator, loader, test plant rental, fuel, and supplies for a 10-day testing program	\$ 22,000
Analytical	geochemical and assay costs	\$ 2,000
Reclamation	site cleanup and transportation of waste into Atlin and/or beyond to permanent landfill, scrap dealer and/or recycling depot	\$ 15,000
Reporting	assessment and technical reports	\$ 5,000
		<b>\$ 89,000</b>



### 13. ITEMIZED COST STATEMENT

<b>Gopher Project - 2013 Exploration Expenditures</b>				
<b>Personnel / Position</b>	<b>Field Dates</b>	<b>Days</b>	<b>Rate</b>	<b>Subtotal</b>
D Halstead / Property Owner	Jul 28 - Aug 2	5	\$500.00	\$2,500.00
G Paulson / Prospector	Jul 25 - Aug 4	9.75	\$750.00	\$7,312.50
S Gifford / Prospector	Jul 25 - Aug 4	9.75	\$500.00	\$4,875.00
B Lane / Geologist	Jul 25 - Aug 4	9.75	\$750.00	\$7,312.50
		34.25		\$22,000.00
				\$ 22,000.00
<b>Office Studies</b>	<b>Description</b>			
B Lane	Project Prep/Planning	1	\$750.00	\$750.00
				\$750.00
				\$ 750.00
<b>Geochemical Sampling</b>	<b>Sample Type(s)</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>
Acme Analytical Labs Ltd.	Silts, Blegs	13	\$19.77	\$256.99
				\$256.99
				\$ 256.99
<b>Other Operations</b>	<b>Clarify</b>	<b>Units</b>	<b>Rate</b>	<b>Subtotal</b>
Sample Shipping	Bandstra	1	182.65	\$182.65
Map Preparation	Allnorth Consulting	1	550.00	\$550.00
Report Preparation	Plateau Minerals Corp.	2	750.00	\$1,500.00
				\$2,232.65
				\$ 2,232.65
<b>Transportation / Travel / Communications</b>		<b>Units</b>	<b>Rate</b>	<b>Subtotal</b>
Flights (Gifford and Halstead)	Air Canada	1	1358.86	\$1,358.86
Flight (Paulson)	Private Fixed Wing	1	616	\$616.00
Fuel for Vehicles	Two 4x4 Pickups	1	\$2,695.66	\$2,695.66
Kilometre Charges – Vehicles	Two 4x4 Pickups	2	\$2,265.18	\$4,530.36
Hand-held VHF Radios	3 units x 2 wks each	3	\$70.00	\$210.00
				\$9,410.88
				\$ 9,410.88
<b>Food &amp; Accomodation (per diem)</b>		<b>Units</b>	<b>Rate</b>	<b>Subtotal</b>
Accommodations (travel and Atlin)		1	\$2,522.67	\$2,522.67
Meals (travel and Atlin)		1	\$1,574.17	\$1,574.17
				\$4,096.84
				\$ 4,096.84
<b>Equipment Rentals &amp; Supplies</b>		<b>Units</b>	<b>Rate</b>	<b>Subtotal</b>
Kubota SxS, Honda Quad	Falcon Drilling	18	165.00	2970.00
IPL - Prince George	Poly Bags, Soil bags, Zip Ties, Ribbon			
	Geotuls, Chisels, PPE, FA	1	\$220.00	\$220.00
				\$3,190.00
				\$ 3,190.00
<b>TOTAL Expenditures</b>				<b>\$ 41,937.36</b>



## 14. REFERENCES

- Aitken, J.D. (1959): Atlin Area, British Columbia (104N); Geological Survey of Canada, Memoir 307.
- Bostock, H.S. (1948): Physiography of the Canadian Cordillera, with Special Reference to the Area North of the Fifty-Fifth Parallel, *Geological Survey of Canada*, Memoir 247.
- Debicki, R.L. (1984): An Overview of the Placer Mining Industry in Atlin Mining Division, 1978 to 1982; *British Columbia Ministry of Energy, Mines and Petroleum Resources*, Paper 1984-2, 21 pages.
- British Columbia Minister of Mines (1937): Annual Report of the Minister of Mines, 1937; Victoria, British Columbia, pages B37-B40.
- Monger, J.W.H. (1975): Upper Paleozoic Rocks of the Atlin Terrain, Northwestern British Columbia and South-Central Yukon; *Geological Survey of Canada*, Paper 74-47, 63 pages.
- Levson, V.M. (1992): Quaternary Geology of the Atlin Area (104N/11W, 12E); *British Columbia Ministry of Energy, Mines and Petroleum Resources*, Geological Fieldwork 1991, Paper 1992-1, pages 375-390.
- Sack, P.J. and Mihalynuk, M.G. (2004): Proximal gold-cassiterite nuggets and composition of the Feather Creek placer gravels: clues to a lode source near Atlin, B.C.; *British Columbia Ministry of Energy, Mines and Petroleum Resources*, Geological Fieldwork 2003, Paper 2004-1, pages 147-162.
- Sneddon, D.T. (2003): Mineral Resources of the Gopher Mine, Atlin Mining District, British Columbia; private report for Mr. and Mrs. Dale Halstead, 28 pages.
- Sneddon, D.T. (2004): 2004 Assessment Report, Bedrock Claims, Julia1 – Julia3 and Fraser1-Fraser2; *British Columbia Ministry of Energy, Mines and Petroleum Resources*, Assessment Report 27852, 17 pages.

## 15. STATEMENT OF QUALIFICATIONS

I, Robert (Bob) A. Lane, PGeo, residing in Prince George, B.C., do hereby certify that:

I am currently employed as a consulting geologist by Plateau Minerals Corp, located at #7-1750 S. Quinn Street, Prince George, British Columbia, Canada, V2K 1X3.

I obtained a Master of Science degree with Specialization in Geology in 1990 from the University of British Columbia.

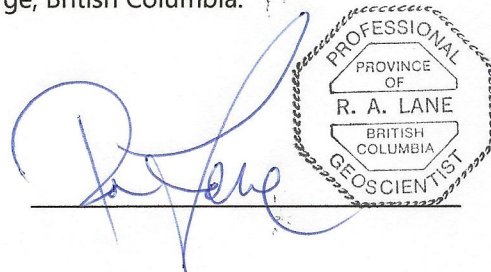
I have worked as a geologist for more than 22 years since graduating from university.

I am a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #18993, and have been a member in good standing since 1992.

I participated in the 2013 exploration program that took place from July 25 to August 4, 2013. This report presents and summarizes the data acquired during those days spent in the field.

I am the author of this report entitled "Assessment Report on the Gopher Placer Property" dated November 21, 2013.

Dated this 21<sup>st</sup> day of November, 2013, at Prince George, British Columbia.



Bob Lane, PGeo

**APPENDIX A**  
**LABORATORY CERTIFICATES**  
**OF ANALYSIS**



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Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3 CANADA

Submitted By: Bob Lane  
Receiving Lab: Canada-Vancouver  
Received: August 19, 2013  
Report Date: September 05, 2013  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN13003242.1

### CLIENT JOB INFORMATION

Project: GOPHER  
Shipment ID:  
P.O. Number  
Number of Samples: 10

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Plateau Minerals Corp.  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	10	Dry at 60C			VAN
SS80	10	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	10	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Plateau Minerals Corp.**  
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 Prince George BC V2N 1X3 CANADA

Project: GOPHER  
 Report Date: September 05, 2013

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN13003242.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
GO-S01	Silt	4.1	62.3	7.3	196	0.1	72.5	15.4	1053	1.89	8.7	5.4	2.6	23	2.7	0.7	0.7	25	0.27	0.051	13
GO-S02	Silt	10.1	42.8	8.8	131	0.2	37.3	10.0	1232	3.31	8.7	3.1	1.3	28	1.1	0.9	0.4	16	0.45	0.057	11
GO-S03	Silt	5.0	46.0	6.4	147	<0.1	50.2	10.4	727	2.10	8.5	6.9	3.4	18	1.6	0.6	1.2	22	0.19	0.045	11
GO-S04	Silt	5.1	54.6	7.4	195	0.1	65.3	12.6	907	2.17	9.0	2.5	3.3	20	2.7	0.6	0.6	22	0.21	0.050	12
GO-S05	Silt	4.3	41.4	6.3	93	0.2	48.0	11.7	1158	2.86	13.4	9.0	2.0	38	0.7	0.8	0.3	48	0.58	0.075	15
GO-S06	Silt	2.1	21.4	5.8	91	0.1	22.4	8.2	633	1.69	6.4	4.3	1.5	19	0.7	0.3	0.3	25	0.37	0.052	10
GO-S07	Silt	5.1	38.8	8.0	86	0.2	39.8	17.7	1794	2.39	11.8	4.6	2.2	17	1.3	0.7	0.6	30	0.28	0.052	12
GO-S08	Silt	2.6	27.0	6.8	75	0.1	24.6	13.3	825	2.23	8.5	2.4	2.4	16	0.4	0.4	0.2	28	0.28	0.049	12
GO-S09	Silt	1.0	36.7	7.1	91	0.1	21.5	8.3	412	1.55	6.6	5.8	1.9	24	0.5	0.3	0.2	25	0.60	0.057	10
GO-S10	Silt	2.6	37.2	5.8	87	0.2	32.1	8.8	511	1.81	6.7	10.2	2.3	22	0.6	0.5	0.5	27	0.33	0.045	11





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 7 - 1750 Quinn St. S.  
 Prince George BC V2N 1X3 CANADA

Project: GOPHER  
 Report Date: September 05, 2013

Page: 2 of 2

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

VAN13003242.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
GO-S01	Silt	26	0.50	209	0.041	2	0.96	0.009	0.11	0.1	0.02	2.4	0.1	<0.05	3	0.7	<0.2
GO-S02	Silt	18	0.27	285	0.014	1	0.83	0.005	0.05	0.1	0.05	1.6	<0.1	0.08	2	2.6	<0.2
GO-S03	Silt	20	0.49	198	0.030	2	0.80	0.007	0.09	0.2	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
GO-S04	Silt	22	0.48	232	0.032	1	0.86	0.009	0.11	0.8	0.01	2.2	0.1	<0.05	3	<0.5	<0.2
GO-S05	Silt	42	0.71	298	0.066	2	1.38	0.012	0.11	<0.1	0.04	3.4	0.1	<0.05	4	2.3	<0.2
GO-S06	Silt	30	0.42	226	0.029	3	0.92	0.006	0.05	<0.1	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
GO-S07	Silt	25	0.49	243	0.031	1	0.93	0.009	0.09	<0.1	0.03	2.7	0.1	<0.05	3	<0.5	<0.2
GO-S08	Silt	25	0.46	192	0.024	2	0.90	0.008	0.07	<0.1	0.04	2.0	<0.1	<0.05	3	0.6	<0.2
GO-S09	Silt	28	0.53	180	0.037	2	0.95	0.008	0.05	<0.1	0.04	2.7	<0.1	0.08	3	1.2	<0.2
GO-S10	Silt	28	0.50	199	0.041	2	0.93	0.008	0.07	0.1	0.01	2.6	0.1	<0.05	3	<0.5	<0.2



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**Client:** Plateau Minerals Corp.  
 7 - 1750 Quinn St. S.  
 Prince George BC V2N 1X3 CANADA

**Project:** GOPHER  
**Report Date:** September 05, 2013

Page: 1 of 1

Part: 1 of 2

## QUALITY CONTROL REPORT

VAN13003242.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Reference Materials																					
STD DS9	Standard	12.9	102.4	125.8	309	1.8	38.0	7.5	584	2.28	25.5	113.3	6.4	70	2.4	5.8	5.8	37	0.69	0.076	13
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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**Project:** GOPHER  
**Report Date:** September 05, 2013

Page: 1 of 1

Part: 2 of 2

## QUALITY CONTROL REPORT

VAN13003242.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																	
STD DS9	Standard	112	0.62	297	0.110	3	0.96	0.081	0.40	2.9	0.19	2.6	5.0	0.13	5	5.0	5.2
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3 CANADA

Submitted By: Bob Lane  
Receiving Lab: Canada-Vancouver  
Received: August 19, 2013  
Report Date: September 19, 2013  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN13003244.1

### CLIENT JOB INFORMATION

Project: GOPHER  
Shipment ID:  
P.O. Number  
Number of Samples: 3

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Plateau Minerals Corp.  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	3	Dry at 60C			VAN
SS80	3	Dry at 60C sieve 100g to -80 mesh			VAN
G601	3	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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PHONE (604) 253-3158

**Client:** Plateau Minerals Corp.  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3 CANADA

**Project:** GOPHER  
**Report Date:** September 19, 2013

**Page:** 2 of 2

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

VAN13003244.1

	<b>Method</b>	<b>G6</b>
	<b>Analyte</b>	<b>Au</b>
	<b>Unit</b>	<b>ppm</b>
	<b>MDL</b>	<b>0.005</b>
828456	Sand	0.014
828457	Sand	0.012
828458	Sand	0.018





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PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**  
7 - 1750 Quinn St. S.  
Prince George BC V2N 1X3 CANADA

Project: GOPHER  
Report Date: September 19, 2013

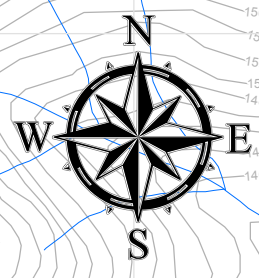
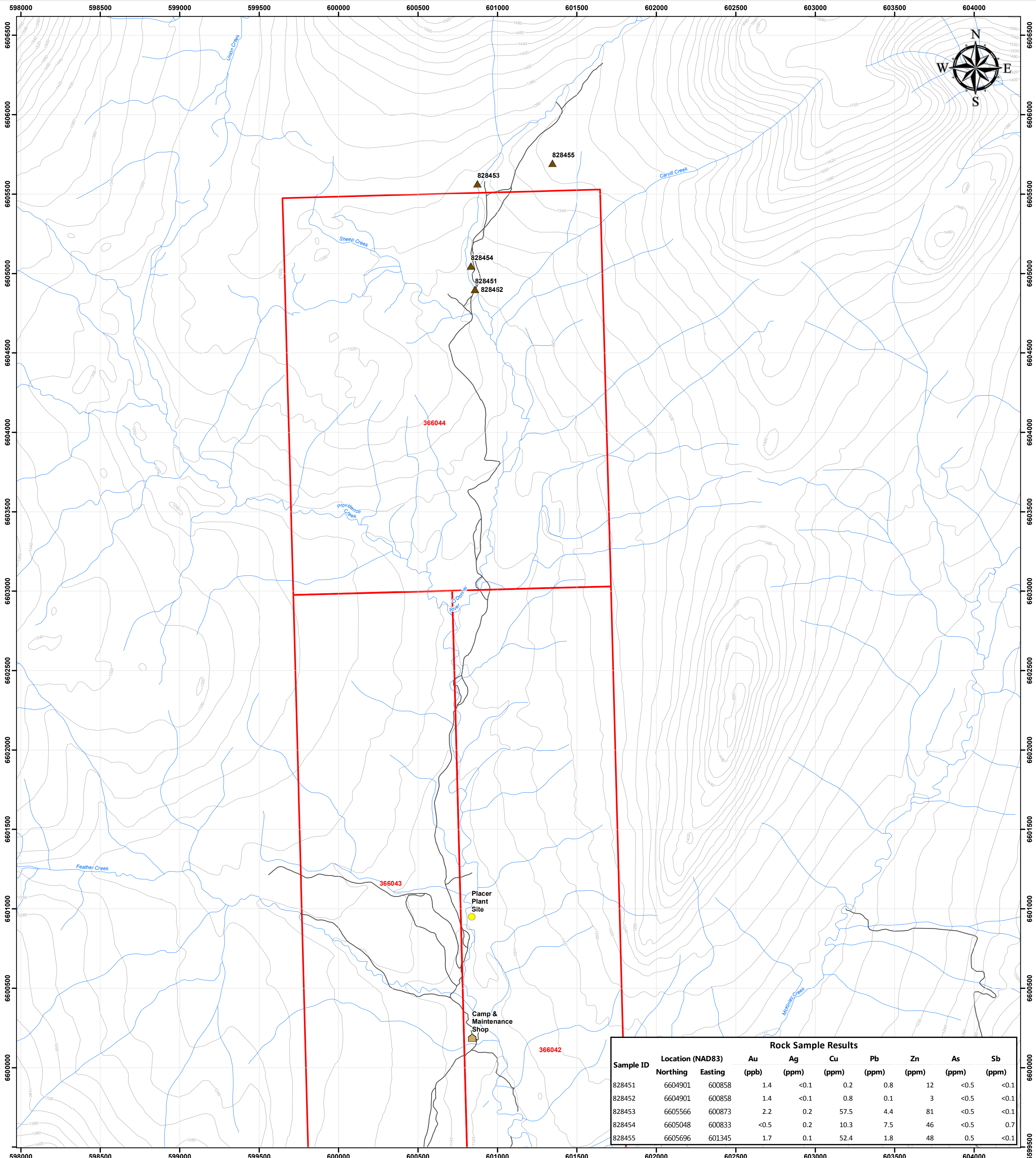
Page: 1 of 1

Part: 1 of 1

## QUALITY CONTROL REPORT

VAN13003244.1

Method	G6
Analyte	Au
Unit	ppm
MDL	0.005
Reference Materials	
STD OXC109 Standard	0.201
STD OXI96 Standard	1.767
STD OXL93 Standard	5.692
STD OXC109 Expected	0.201
STD OXI96 Expected	1.802
STD OXL93 Expected	5.841
BLK Blank	0.006
BLK Blank	0.007



Sample ID	Location (NAD83)		Rock Sample Results						
	Northing	Easting	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)
828451	6604901	600858	1.4	<0.1	0.2	0.8	12	<0.5	<0.1
828452	6604901	600858	1.4	<0.1	0.8	0.1	3	<0.5	<0.1
828453	6605566	600873	2.2	0.2	57.5	4.4	81	<0.5	<0.1
828454	6605048	600833	<0.5	0.2	10.3	7.5	46	<0.5	0.7
828455	6605696	601345	1.7	0.1	52.4	1.8	48	0.5	<0.1

**Dale Halstead**  
**Dale Project**  
**Figure 4**  
**Sample Location**

- Legend**
- ▲ Rock Samples
  - Camp & Maintenance Shop
  - Placer Plant Site
  - Road
  - Stream
  - Contour
  - Mineral Tenure

20k Mapsheets:  
 Date: 11/22/2013  
 Projection: NAD 1983 UTM Zone 8N  
 Scale: 1:15,000  
 Author: tkwitkoski  
 Last Modified By: tkwitkoski  
 Checked By:  
 Revision #:

