



AR 37777



Ministry of Energy and Mines  
BC Geological Survey

**ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY**

**TITLE OF REPORT [type of survey(s)]** **TOTAL COST**  
Technical Report on Claim 1028084 Geophysical Survey \$5910.00

**AUTHOR(S)** Stephen Gerald Diakow **SIGNATURE(S)** *S. G. Diakow*

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)** NA **YEAR OF WORK** 2018

**STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S)** Event Number ID 5708085 Dec. 15, 2018

**PROPERTY NAME** SGD

**CLAIM NAME(S) (on which work was done)** SGD title number 1028084

**COMMODITIES SOUGHT** Placer gold

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN** NA

**MINING DIVISION** Atlin **NTS** 104 N11E

**LATITUDE** 59 ° 31 ' 24 " **LONGITUDE** 133 ° 11 ' 24 " (at centre of work)

**OWNER(S)**

1) Stephen Gerald Diakow 2) \_\_\_\_\_

**MAILING ADDRESS**

1537 54 Street  
Delta, BC V4M 3H6

**OPERATOR(S) [who paid for the work]**

1) S. G. Diakow 2) \_\_\_\_\_

**MAILING ADDRESS**

1537 54 Street  
Delta, BC V4M 3H6

**PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):**

Placer gravels, placer gold, McKinley Creek drainage

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS** Mines Act Permit P-1-804

Approval No.: 15-1650853-0713

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 <u>Magnetic Susceptibility Survey</u>		SGD # 1028084	\$5000.00
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
<b>GEOCHEMICAL</b>			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____			
Other <u>Stream Sediment 6 samples</u>			
<b>DRILLING</b>			
(total metres; number of holes, size)			
Core _____			
Non-core _____			
<b>RELATED TECHNICAL</b>			
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
<b>PROSPECTING (scale, area) _____</b>			
<b>PREPARATORY/PHYSICAL</b>			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____			
		<b>TOTAL COST</b>	<b>\$5000.00</b>

**TECHNICAL REPORT  
ON THE  
PLACER CLAIM TITLE No.1028084  
McKINLEY CREEK**

**ATLIN AREA,  
ATLIN MINING DIVISION, BRITISH COLUMBIA**

**PROPERTY LOCATION: Approximately 30 kilometers east of the village of Atlin, British Columbia.**

**59° 31' 24" N Latitude, 133° 11' 24" W Longitude**

**BCGS Map: 104N055 NTS Map: 104N11E**

**Owner Gerry Diakow**

**Operators S.G. Diakow**

**WRITTEN BY: S. G. Diakow**

**Delta, British Columbia**

**DATED: Dec. 15, 2018**

37,777

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## **Summary**

A survey party of four men collected stream sediment samples and Magnetic susceptibility and conductivity measurements using a KT-20 hand held instrument on the McKinley Creek placer property in August 2018. The McKinley Creek property consists of placer claim SGD claim title number 1028084. The claim was surveyed using a TerraPlus- Model KT-20 – Handheld Magnetic Susceptibility, Conductivity & Density Meter and a Garmin GPS map 60CSx instrument. The SGD claim overlies a historic placer claim trenched by Bud Berg in the late 1980's. Placer sediment samples were collected at McKinley Creek. Past prospecting on the claims yielded fine gold (gold dust) from all samples collected. The claim is located near tree line and is accessible by an old mining road that fords the headwaters of the O'Donnell River. The stream sediments will be entered in a further report as the samples are still being processed and the results are not available for this report:

## **Conclusion**

1. The survey detected high magnetic susceptibility along a north-west trend between 6600770 to 6600785 north and 60325 to 603235 east on placer claim title number 1028084. Three susceptibility anomalies are also apparent at northing 6600765 and easting coordinates 603265, 603275 and 603282.
2. The conductivity measurements were made at 1 kHz, 10 kHz and 100 kHz. The measurements were only valid for the 10 kHz measurements. The susceptibility trend is tracked reasonably well by higher conductivity measurement.
3. The area of McKinley Creek covered by placer claim title number 1028084 has not been previously placer mined by mechanized equipment, except for the trenching done by Bud Berg 31 years ago. The "Berg" trench was located and although the trench was reclaimed a narrow boulder filled ditch still exists, the narrow shallow ditch is all that is left of the original trench.
4. The 4X4 road leading to the placer claim title number 1028084 is in good condition. The road is not overgrown with vegetation nor has the road been damaged by erosion. The claim is easily traversed by foot.
5. McKinley Creek has adequate water for testing of the placer gravels and probably also for mining of the same placer gravels.
6. No historical sites or archeological sites were observed in the pedestrian or helicopter surveys of the claim area.

## **Recommendation**

1. Extend the magnetic susceptibility and conductivity measurements surveys over all of placer claim 1028084 thus producing a complete survey map of the claim.
2. Under the existing work permit trench the placer claim targeting the magnetic susceptibility anomalies using a medium size excavator.

3. Measure excavations with the purpose of quantifying a volume of gravel that would be minable in future placer operations. Extrapolate a crude volume available on the claim suitable for mining and washing.
4. Record the depth of overburden, type of dirt, depth to gravel and the depth to bedrock along the length of the permitted trench.
5. Record the gradation of the gravel from the excavated trench this would include the gravel texture sandy/course, size of rocks, largest rocks and frequency of oversize boulders.
5. Record the character of gravel in respect to whether the gravel is loose, tight or cemented. Would gravel hold water satisfactorily for a floating plant? Would a dragline dig it successfully or is an excavator shovel required?
6. Record the clay condition; is gravel cemented are there layers or seams of sticky clay.
7. Record bedrock conditions such as, is the bedrock soft, hard, smooth or rough and the type of bedrock granite, schist etc. Would a dragline dig it successfully or is an excavator required?
8. Record slope of the deposit per 30 meters.
9. Carefully run the test material through a testing size wash plant. Record the gold content from the tested ground observing properties of the material washed and depth from surface.

#### **Introduction and General Remarks**

This report discusses a geophysical survey using a TerraPlus- Model KT-20 – Handheld Magnetic Susceptibility, Conductivity & Density Meter. Further the report discusses access to the claim and the collection and processing of sediments collected from placer claim 1028084. The sampling by gold panning is discussed giving locations of samples and values of observed gold. Further the report discusses general conditions of the placer property these include ownership, available information, character of deposit, values, character of gold, recovery issues, location of values in the deposit, previous operations and testing and availability of water.

#### **Placer Claim Tenures**

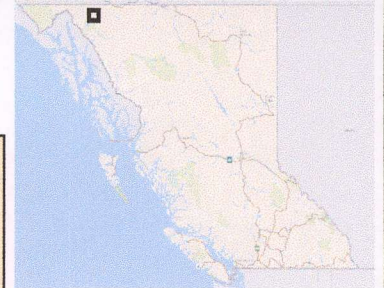
1028084 Claim Name SGD Owner Gerry Diakow FMC 106714 Area in Hectares 98.50 (Figure 1)

#### **Location and Access**

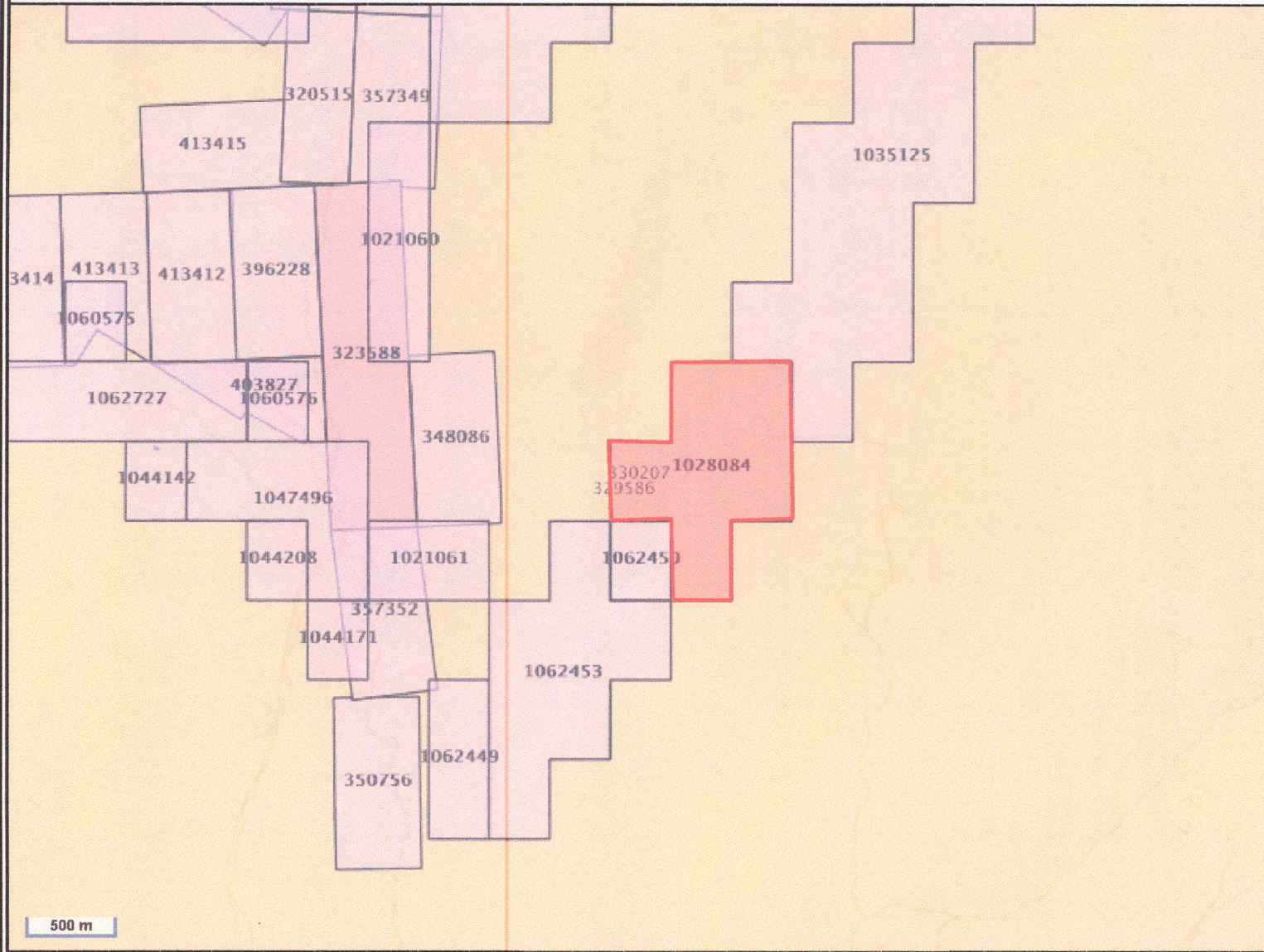
The claim is situated 30.0 km east of the village of Atlin (Figure 2). Access to the claim is by a good industrial gravel road along Spruce Creek then following the same road as it continues along Slate creek to the O'Donnell River. At the O'Donnell River a ford is taken to cross the river. The ford is best during moderate to low water conditions. Following the fording of the O'Donnell River the road is followed for 2 km at which point the road splits the north fork is taken for a further 5.6 km to McKinley Creek.



# PLacer Claim 1028084 Fig.1



5



## Legend

### Placer Titles (MTO)

Title (current)

LEASE

CLAIM

Reserves

No Registration

Conditional

Heritage/Historic Site

Placer Claim Areas

Placer Claim and Lease Areas

### Crown Land Layers (Tantalis)

Land Act Survey Parcels - Tantalis - Legal Descriptions

Label Text

Land Act Survey Parcels - Tantalis - Outlined

### Administrative Boundaries

Federal Transfer Lands - Outlined

Federal Transfer Lands - Colour Filled

National Parks - Outlined

National Parks - Colour Filled

Conservancy Areas - Tantalis - Colour Filled

Ecological Reserves - Tantalis - Colour Filled

Ecological Reserves

Protected Areas - Tantalis - Colour Filled

Protected Areas

Provincial Parks - Tantalis - Colour Filled

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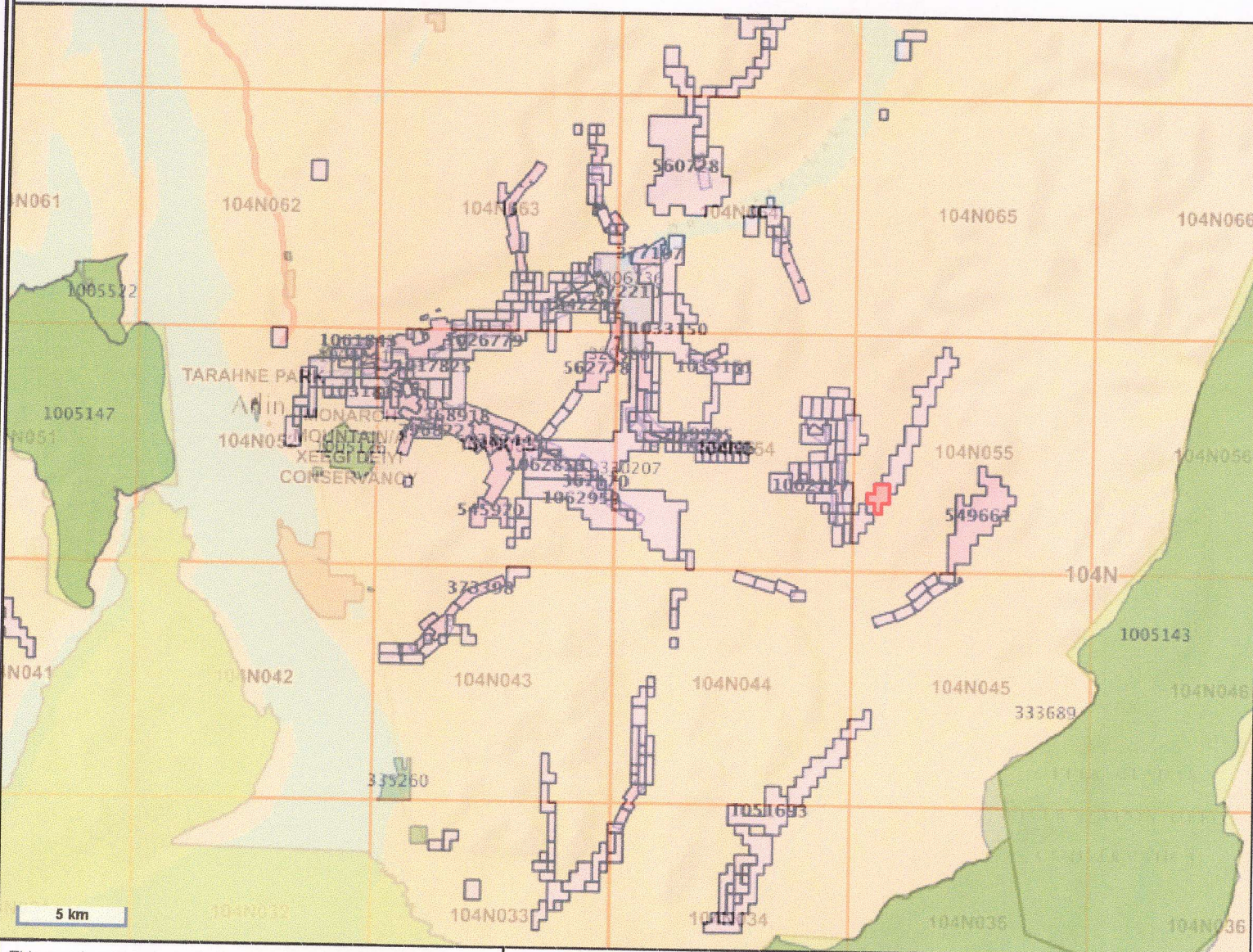
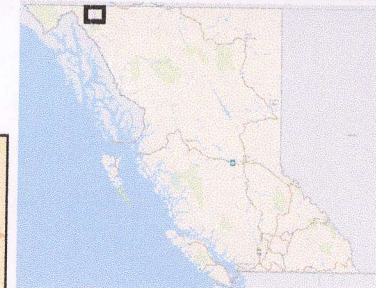
Printed using the Mineral Titles Online (MTO) application.

Center: 59°31'52", -133°11'10"  
Scale: 1 : 67710  
SRS: EPSG:3857  
UTM Zone: 8





# PLacer Claim 1028084 Fig.2



## Legend

### Placer Titles (MTO)

Title (current)

LEASE

CLAIM

Reserves

No Registration

Conditional

Heritage/Historic Site

Placer Claim Areas

Placer Claim and Lease Areas

### Crown Land Layers (Tantalis)

Land Act Survey Parcels - Tantalis - Legal

Descriptions

Label Text

Land Act Survey Parcels - Tantalis -

Outlined

Administrative Boundaries

Federal Transfer Lands - Outlined

Federal Transfer Lands - Colour Filled

National Parks - Outlined

National Park

National Parks - Colour Filled

Conservancy Areas - Tantalis - Colour Filled

Conservancy Areas

Ecological Reserves - Tantalis - Colour

Filled

Ecological Reserves

Protected Areas - Tantalis - Colour Filled

Protected Areas

Provincial Parks - Tantalis - Colour Filled

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THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Printed using the Mineral Titles Online (MTO) application.

Center: 59°32'12", -133°23'11"

Scale: 1 : 541679

SRS: EPSG:3857

UTM Zone: 8





## **History**

The claim is in the mature Atlin placer mining camp. In 1898 placer gold was recorded as discovered on Pine Creek at Atlin, B.C. The Atlin mining camp has been continually mined since discovery. The BC Minfile records over 500,000 ounces of gold having been recovered from a total of 17 creeks in the area of the Atlin mining Camp. These past and still producing placer deposits include Pine Creek, Spruce Creek, Otter Creek, McKee Creek, Ruby Creek, Boulder Creek, Birch Creek, Wright Creek, Feather Creek, Bull Creek, Fox Creek, Slate Creek, Eagle Creek, Burdette Creek, Horse Creek, Cracker Creek and the O'Donnell River (Figure 3). Hard rock gold mines and occurrences located near Atlin and surrounding drainages include the Pictou prospect (Au, Ag, Pb, Zn, Cu), Imperial mine a past producer (Au, Ag, Cu, Pb), Willow Creek mine a past producer (Au), Atlin Ruffner mine a past producer (Ag, Pb, Zn, Au, Cu, Cd, Mo, Sn, W) and the Black Diamond a developed prospect (W, Cu, Mo, U, Au, Sn), (Figure 4).

Historical work recorded on the placer claims includes trenching and the building of an access road from the O'Donnell River. In the late 1980's Bud Berg an Atlin area placer miner walked his excavator to the McKinley Creek claim area and dug one loog trench (Figure 5). Bud reported that he dug the trench "and found pay" (the implication being that the ground had enough gold to sustain an economically viable placer operation) the trench was reclaimed following the trenching and no further work has been recorded on the claim since.

## **Physiography:**

The claim is on the Teslin Plateau they are separated from the Taku Plateau on the south by the valley of the O'Donnell River. The topography consists of a widely flaring valley with a gentle slope where the claim is dissected by McKinley Creek the creek has cut an incised stream bed approximately 10 to 15 meters below the level of the valley floor. The elevation at the worksite is 1200 meters. There are no wetlands or glaciers on or near the claims.

The vegetation is Alpine tundra typical for the area consisting of grasses and sedges including buck brush, dwarf birch, spruce, willow, and birch.

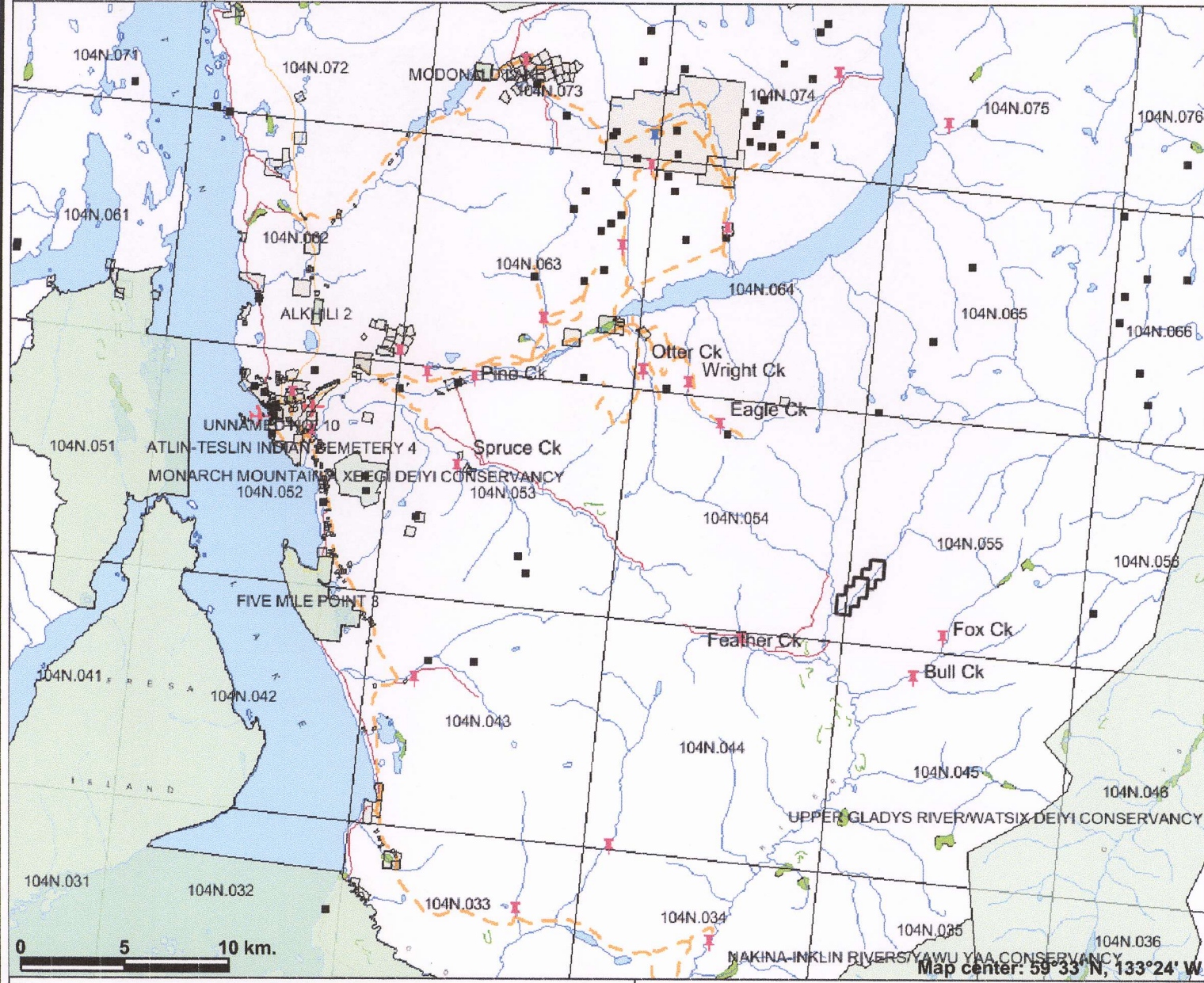
## **Geology**

Placer deposits are accumulations of heavy minerals that have been eroded from lode sources and concentrated by sedimentation processes involving gravity, water, wind or ice. Gold placers commonly occur in stream gravels in uplifted, unglaciated areas containing primary, auriferous source rocks.

Placer deposits range greatly in size and grade, from small, local, near-source concentrations that may be profitable to work on a small scale, to much larger deposits of sparsely disseminated, fine grained gold in alluvial sediments associated with regional drainage basins.

Placer gold deposits are commonly found in deeply weathered unglaciated terrain within a stable craton that contains auriferous source rocks. Deposits occur in the weathered zone of all rock types but are especially common in metamorphic rocks. Sources of placer gold include gold-bearing quartz veins, felsic intrusions, sulphide deposits (skarns, veins, massive sulphides), paleoplacers, and porphyry copper deposits.

# Historic Placer Deposits Atlin Area Fig.3



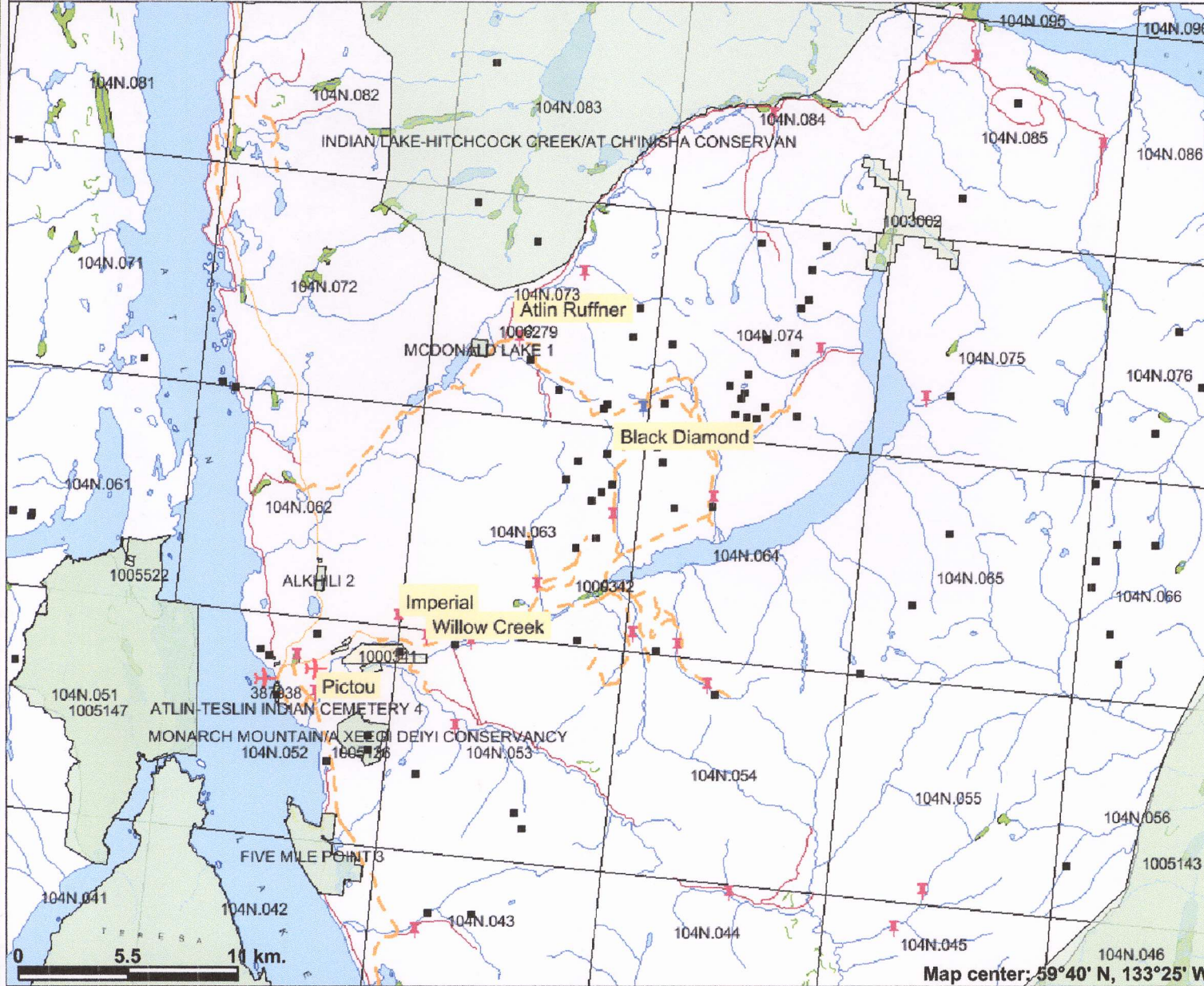
## Legend

- MINFILE Status**
- Producer
  - Past Producer
  - Developed Prospect
  - All others
- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid
- Annotation (1:250K)
- Transportation - Points (1:250K)
- Airfield
  - Anchorage - Seaplane
  - Ferry Route
  - Heliport
  - Seaplane Base
  - Air Field
  - Airport
  - Air Feature - Condition Unknown
  - Airport.Abandoned
- Transportation - Lines (1:250K)
- Ferry Route
  - Aerial Cableway
  - Road (Gravel Undivided) - 1 Lane
  - Road (Gravel Undivided) - 3 Lanes
  - Road - Paved.lanes.2or More.Divided
- Scale: 1:289,801

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# GOLD MINES and PROSPECTS ATLIN, BC Fig.4



### Legend

**MINFILE Status**

- Producer
- Past Producer
- Developed Prospect
- All others

**Indian Reserves**

- Indian Reserves

**National Parks**

- National Parks

**Conservancy Areas**

- Conservancy Areas

**Parks**

- Parks

**Federal Transfer Lands**

- Federal Transfer Lands

**Mineral Reserves (current)**

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others

**First Nations Treaty Related Lands**

- First Nations Treaty Related Lands

**First Nations Treaty Lands**

- First Nations Treaty Lands

**BCGS Grid**

- BCGS Grid

**Annotation (1:250K)**

**Transportation - Points (1:250K)**

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport

**Scale: 1:304,250**

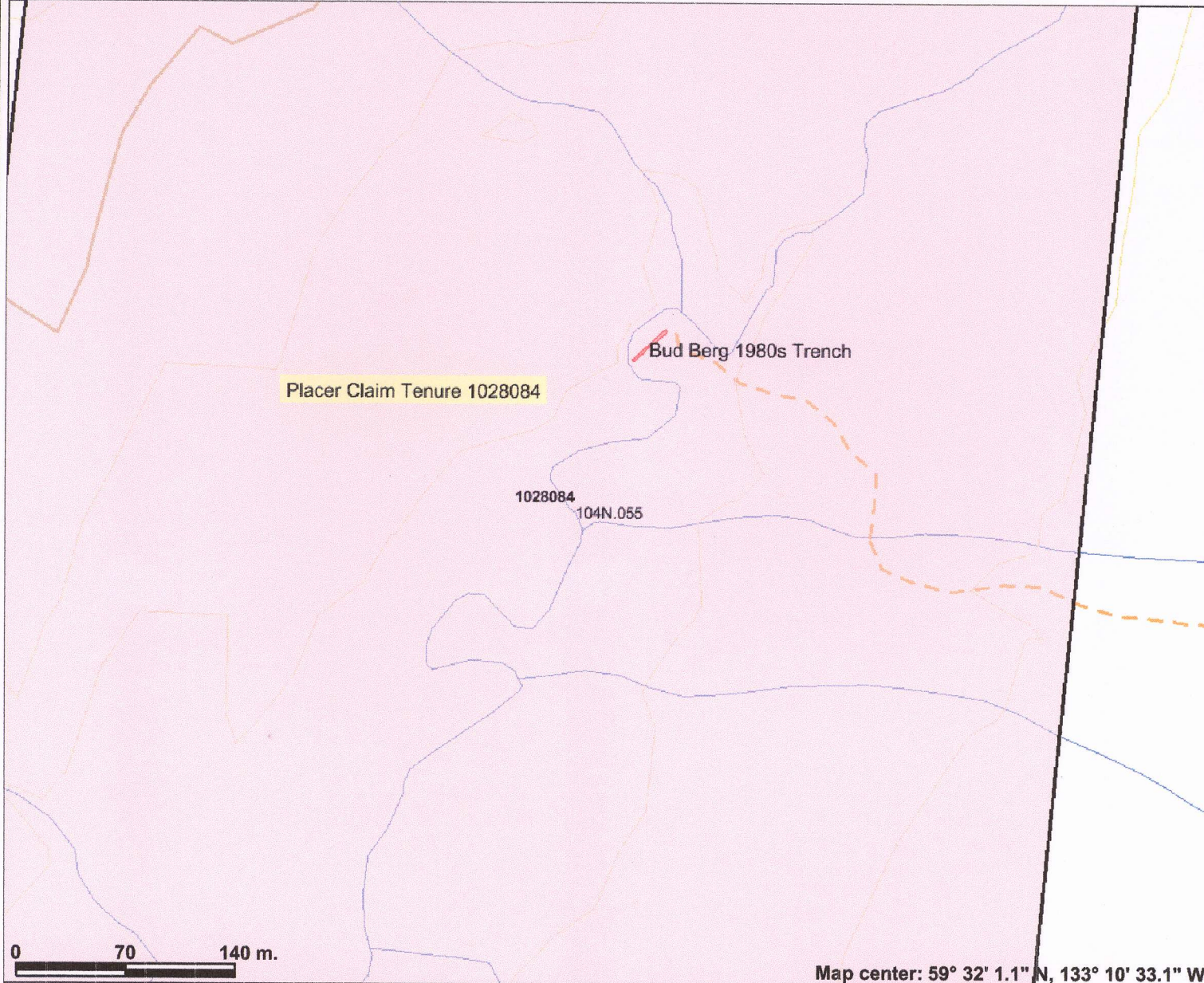
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Map center: 59°40' N, 133°25' W



# LOCATION BUD BERG TRENCH Fig.5

10



## Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- Placer Tenure (current)
- Placer Claim
- Placer Lease
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
  - Contour - Index
  - Contour - Index.Indefinite
  - Contour - Index.Depression
  - Contour - Index.Depression Indefinite
  - Contour - Intermediate
  - Contour - Intermediate.Indefinite
  - Contour - Intermediate.Depression
  - Contour - Intermediate.Depression Indefinite
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
- Transportation - Points (TRIM)
  - Helipad
- Transportation - Lines (TRIM)
  - Airfield

0 70 140 m.

Map center: 59° 32' 1.1" N, 133° 10' 33.1" W



Scale: 1:3,871

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Notes: Trench shown as red polygon



### Host rocks and mineralization at McKinley and nearby past producing creeks

The underlying rocks are of the Cache Creek Terrane and are shown on the GSC geological map to be made up of Cache Creek group chert, argillite, chert-pebble conglomerate and chert beccia; derived quartzite and schist; minor greenstone and volcanic greywacke; derived amphibolite; minor limestone and limestone breccias.

The BC Minfile records two placer gold past producers approximately 5km southeast of the McKinley Creek Claims, Bull Creek Minfile No 104N 037 and Fox Creek Minfile No 104N 038. Both these past producers are shown on the Geological Survey of Canada sheet 104N geology map to have similar geology to the McKinley Creek Claims. Minfile reports that Bull Creek workings "involved small, individual operations running intermittently from 1903 to 1945" and during the past 20 years. Bull Creek production from 1936 to 1945 was 1296 ounces of gold. Historic Fox Creek production was reported to be 28 ounces of gold although the amount of work is very poorly documented with the creek receiving most of the work between the years 1916 and 1920. The latter creeks are underlain primarily by cherts and argillites of the Mississippian to Triassic Kedahda Formation of the Cache Creek Complex. There are some exposures of mafic volcanic rocks of the upper Mississippian to Permian Nakina Formation (Cache Creek Complex) east and west of the headwaters of Bull Creek. The bedrock in Bull Creek is composed of weathered and fractured argillite which contains some gold. The placer stratigraphy consists of grey till overlying yellow till which overlies clean, well stratified auriferous gravels immediately above bedrock. Bull Creek has distinctly fine gold in comparison to the main producers in the Surprise Lake area.

### Sample description and location collected in September 2013.

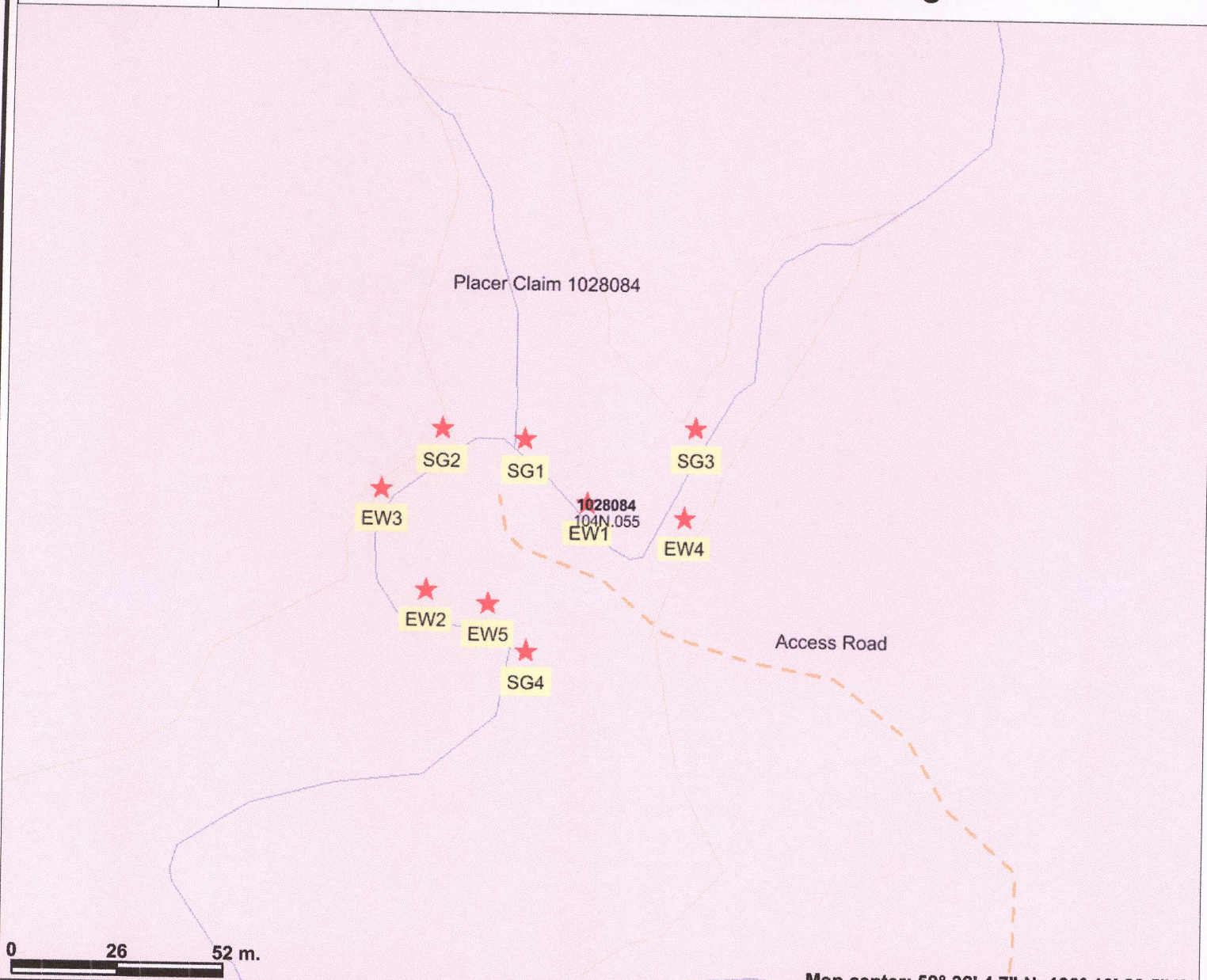
Fourteen placer samples were panned from the claim and nine panned concentrates were kept for further analysis (Figures 6, 7). The sample locations are recorded in Nad 83 UTM Zone 09 coordinates.

Sample Number	Utm Easting	Utm Northing	Description
Sept2a	0602021	6599119	Stream side sample collected between river rocks that are between 5 cm to 15 cm <b>5 visible Au colours</b>
Sept2b	0601929	6599266	Stream side sample collected between river rocks that are between 5 cm to 15 cm <b>4 visible Au colours</b>
Sept3a	0602475	6599810	Stream side sample collected between river rocks that are between 5 cm to 15 cm <b>no visible Au colours</b>
Sept3b	0602477	6599811	Stream side sample collected between river rocks that are between 5 cm to 15 cm <b>4 visible Au colours</b>
Sept3c	0602511	6599818	Stream side sample collected between river rocks that are between 5 cm to 15 cm <b>9 visible Au colours</b>

SG1	0603184	6601014	Stream side sample collected between river rocks that are between 5 cm to 15 cm 4 visible Au colours, 0.5 cm cobbles include red volcanic, dark sedimentary
SG2	0603187	6601009	Stream side sample collected between river rocks that are between 5 cm to 15 cm 3 visible Au colours, 0.5 cm cobbles include dark volcanic, quartz and shist
SG3	0603180	6601018	Stream side sample collected between river rocks that are between 5 cm to 15 cm 5 visible Au colours
SG4	0603197	6600948	Stream side sample collected between river rocks that are between 5 cm to 15 cm 4 visible Au colours, 0.5 cm cobbles include mafic volcanic, skarn+garnet
EW1	0603189	6601020	Stream side sample collected between river rocks that are between 5 cm to 15 cm 3 visible Au colours
EW2	0603180	6600963	Stream side sample collected between river rocks that are between 5 cm to 15 cm 5 visible Au colours
EW3	0603168	6601001	Stream side sample collected between river rocks that are between 5 cm to 15 cm 7 visible Au colours
EW4	0603198	6601022	Stream side sample collected between river rocks that are between 5 cm to 15 cm 3 visible Au colours, 0.5 cm cobbles include qtz breccia, dark sedimentary
EW5	0603205	6600953	Stream side sample collected between river rocks that are between 5 cm to 15 cm 4 visible Au colours



# SAMPLE LOCATIONS TENURE 1028084 Fig.6



## Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- Placer Tenure (current)
- Placer Claim
- Placer Lease
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
  - Contour - Index
  - Contour - Index.Indefinite
  - Contour - Index.Depression
  - Contour - Index.Depression Indefinite
  - Contour - Intermediate
  - Contour - Intermediate.Indefinite
  - Contour - Intermediate.Depression
  - Contour - Intermediate.Depression Indefinite
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
  - Transportation - Points (TRIM)
  - Helipad
  - Transportation - Lines (TRIM)
  - Airfield



Scale: 1:1,481

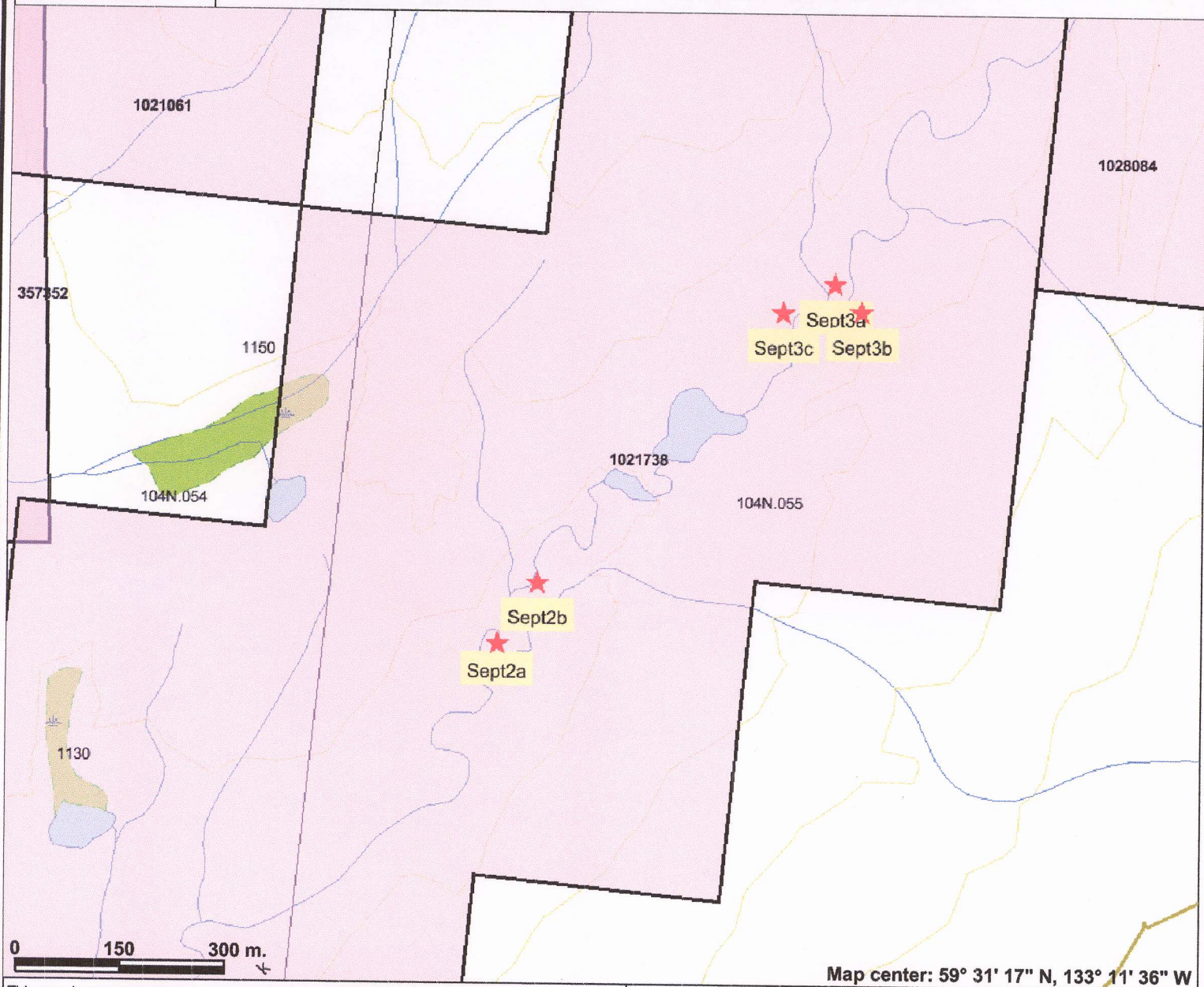
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Red Star indicates sample location and number

Map center: 59° 32' 4.7" N, 133° 10' 29.5" W



# SAMPLE LOCATIONS TENURE 1062453 Fig.7



### Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- Placer Tenure (current)
- Placer Claim
- Placer Lease
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
  - Contour - Index
  - Contour - Index.Indefinite
  - Contour - Index.Depression
  - Contour - Index.Depression Indefinite
  - Contour - Intermediate
  - Contour - Intermediate.Indefinite
  - Contour - Intermediate.Depression
  - Contour - Intermediate.Depression Indefinite
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
  - Transportation - Points (TRIM)
  - Helipad
  - Transportation - Lines (TRIM)
  - Airfield

Map center: 59° 31' 17" N, 133° 11' 36" W

Scale: 1:8,597

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Notes: Red Star indicates sample location and number



## **Geophysical Survey**

The geophysical survey (Figure 8) on placer claim 1028084 is located near the center of the claim block the survey area covers an area 205 meters in an east-west direction and 222 meters in a north-south direction.

## **Magnetic Susceptibility and Conductivity Measurements**

Magnetic susceptibility is a reliable method for measuring magnetite content of rocks and soils. Black sand associated with placer gold deposits may be detected using this technique.

The KT-20 is a handheld instrument capable of measuring the magnetic susceptibility and conductivity of a sample. The unit configuration used for the survey of McKinley Creek was designed to measure magnetic susceptibility in  $10^{-3}$  SI and conductivity in S/m. The conductivity measurements were made at 1 kHz, 10 kHz and 100 kHz. The measurements were only valid for the 10 kHz measurements. The survey detected high magnetic susceptibility along a north-west trend between 6600770 to 6600785 north and 60325 to 603235 east (figures 8, 9 and 10). This susceptibility trend is tracked reasonably well by higher conductivity measurement. Three susceptibility anomalies are also apparent at northing 6600765 and easting coordinates 603265, 603275 and 603282 (Figures 9, 10 ). Raw data is in appendix 1.

Figure 8

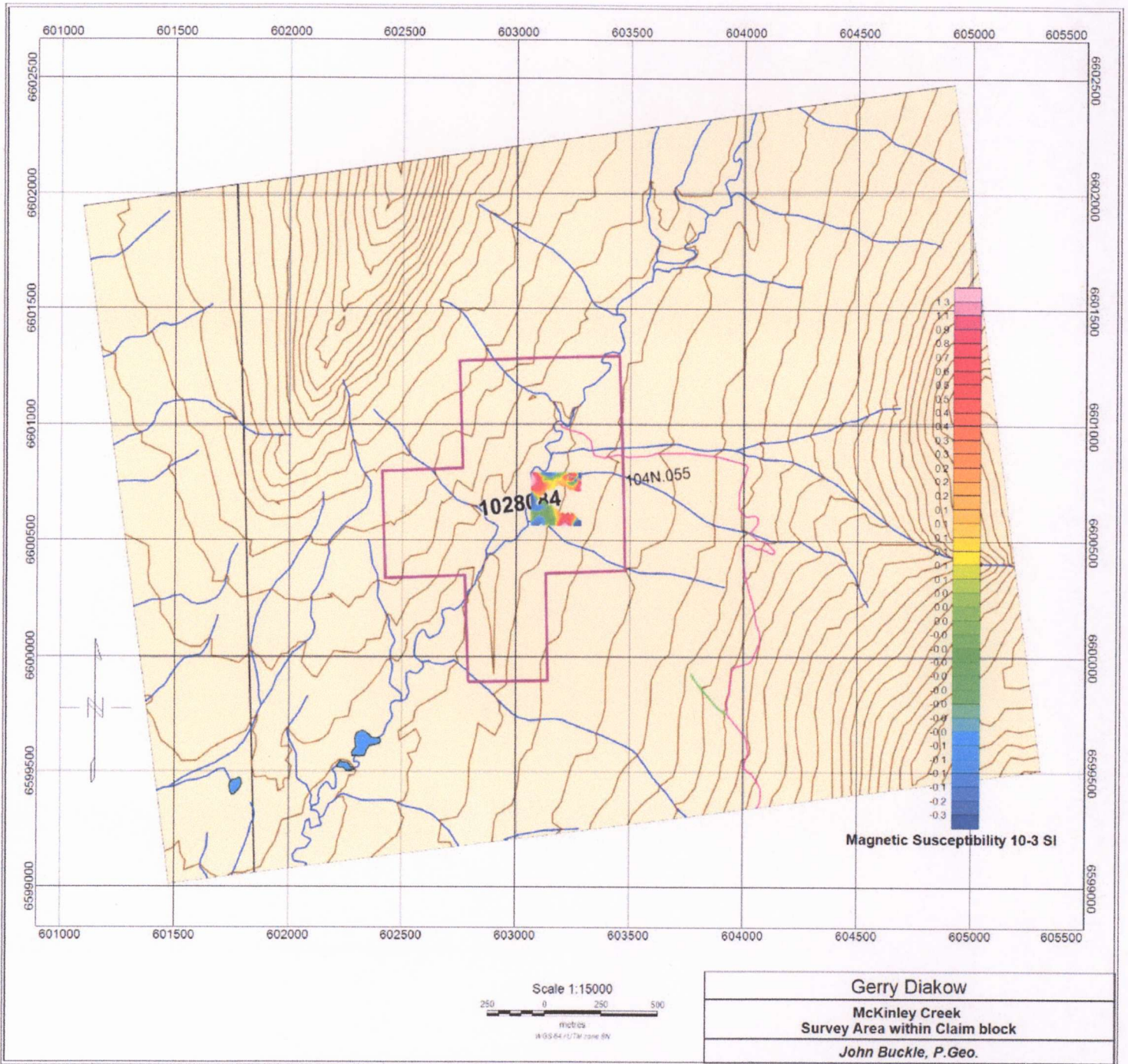




Figure 9

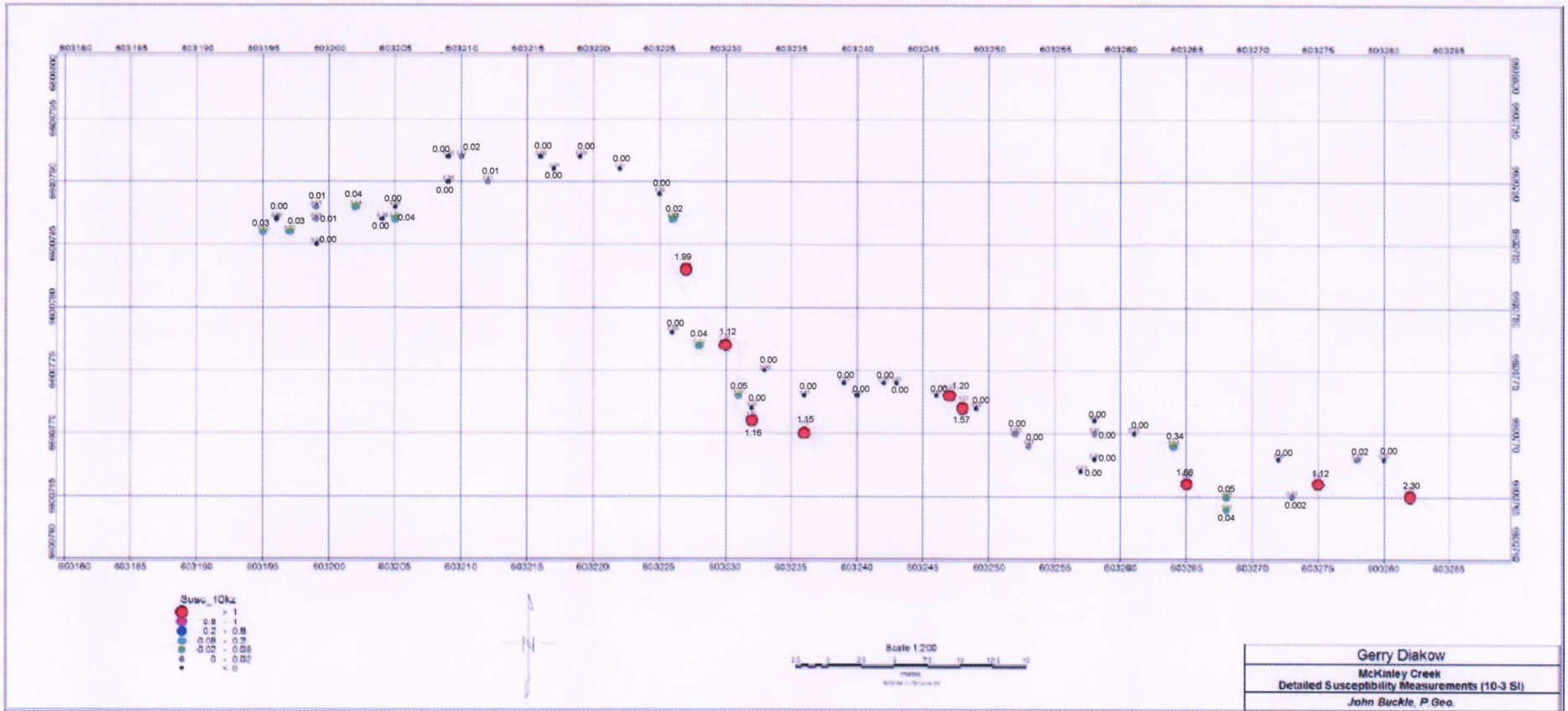
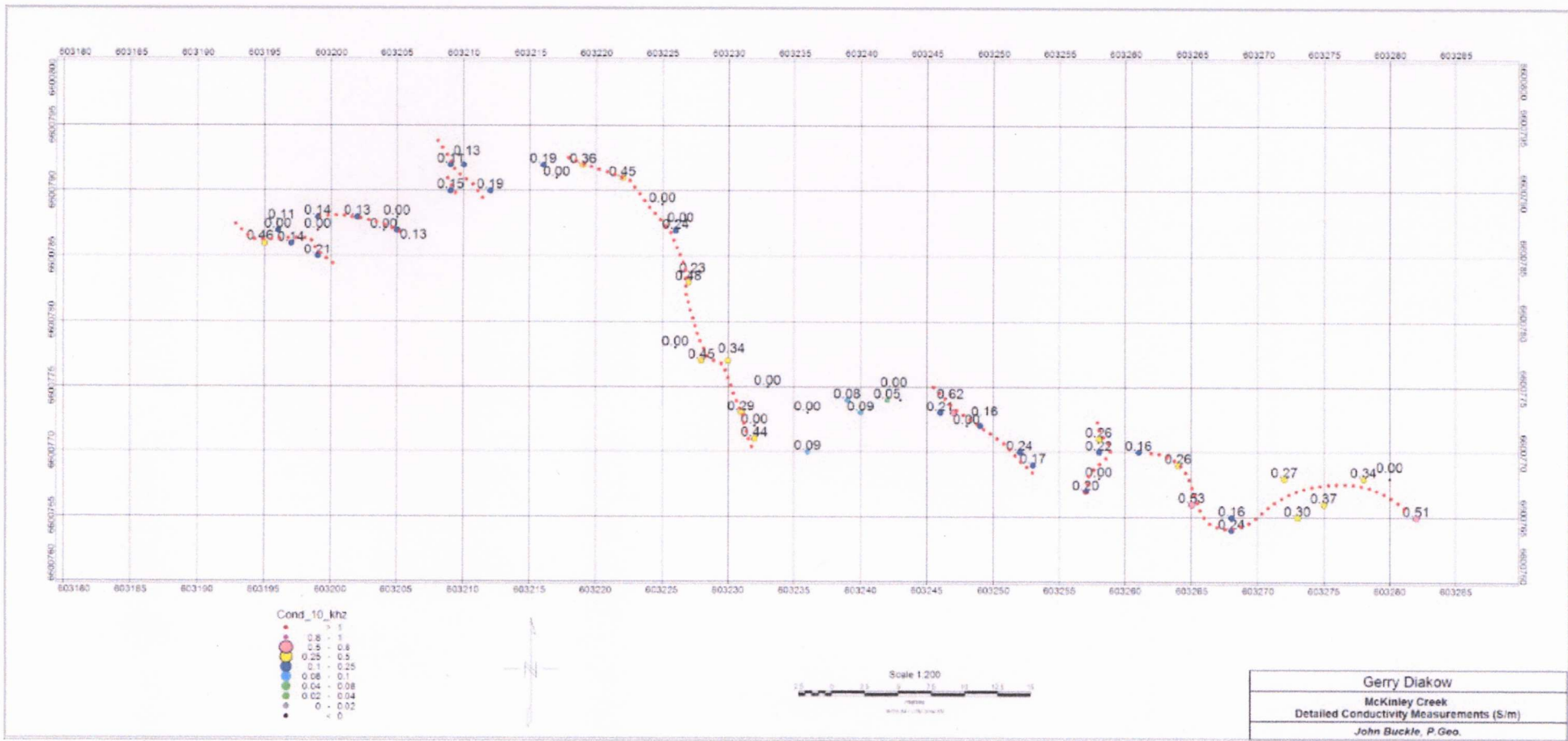


Figure 10



## Appendix 1

WGS 84

Name	Zone	Easting	Northing	Altitude	Susc_1khz	Cond_1khz	Susc_10kz	Cond_10 kl
Helicopter	8 V	603104	6600783	1138 m	0	0	0	0
KT-20 MK1	8 V	603282	6600765	1159 m	0	0	2.3042	0.5093
KT-20 MK1	8 V	603280	6600768	1159 m	0	0	0	0
KT-20 MK1	8 V	603278	6600768	1159 m	0	0	0.0158	0.3401
KT-20 MK1	8 V	603272	6600768	1159 m	0	0	0	0.2725
KT-20 MK1	8 V	603275	6600766	1159 m	0	0	1.1228	0.3732
KT-20 MK1	8 V	603273	6600765	1160 m	0	0	0.0018	0.297
KT-20 MK1	8 V	603268	6600764	1159 m	0	0	0.0432	0.2361
KT-20 MK1	8 V	603268	6600765	1159 m	0	0	0.0498	0.1627
KT-20 MK1	8 V	603265	6600766	1160 m	0	0	1.6563	0.5285
KT-20 MK1	8 V	603264	6600769	1160 m	0	0	0.0381	0.2566
KT-20 MK1	8 V	603261	6600770	1161 m	0	0	0	0.1605
KT-20 MK1	8 V	603258	6600770	1160 m	0	0	0.003	0.2169
KT-20 MK2	8 V	603258	6600768	1160 m	0	0	0	0
KT-20 MK2	8 V	603258	6600771	1161 m	0	0	0	0.2646
KT-20 MK2	8 V	603257	6600767	1161 m	0	0	0	0.2023
KT-20 MK2	8 V	603253	6600769	1161 m	0	0	0.015	0.1745
KT-20 MK2	8 V	603252	6600770	1161 m	0	0	0.0038	0.2438
KT-20 MK2	8 V	603249	6600772	1161 m	0	0	0	0.1569
KT-20 MK206		603248	6600772		0	0	1.5708	0
KT-20 MK2	8 V	603247	6600773	1161 m	0	0	1.2047	0.6197
KT-20 MK2	8 V	603246	6600773	1159 m	0	0	0	0.2133
KT-20 MK2	8 V	603243	6600774	1160 m	0	0	0	0
KT-20 MK210		603242	6600774		0	0	0	0.0507
KT-20 MK2	8 V	603240	6600773	1160 m	0	0	0	0.0928
KT-20 MK2	8 V	603239	6600774	1160 m	0	0	0	0.0827
KT-20 MK2	8 V	603236	6600773	1159 m	0	0	0	0
KT-20 MK2	8 V	603236	6600770	1159 m	0	0	1.1495	0.0943
KT-20 MK2	8 V	603233	6600775	1158 m	0	0	0	0
KT-20 MK2	8 V	603232	6600772	1158 m	0	0	0	0
KT-20 MK2	8 V	603232	6600771	1157 m	0	0	1.1596	0.4396
KT-20 MK2	8 V	603231	6600773	1157 m	0	0	0.0459	0.2912
KT-20 MK2	8 V	603230	6600777	1156 m	0	0	1.1173	0.3375
KT-20 MK220		603228	6600797		0	0	0.0431	0.4533
KT-20 MK2	8 V	603226	6600778	1156 m	0	0	0	0
KT-20 MK2	8 V	603227	6600783	1155 m	0	0	1.5027	0.2347
KT-20 MK2	8 V	603227	6600783	1155 m	0	0	1.9871	0.4751
KT-20 MK2	8 V	603226	6600787	1155 m	0	0	0.0088	0
KT-20 MK2	8 V	603226	6600787	1155 m	0	0	0.0236	0.2418
KT-20 MK2	8 V	603225	6600789	1154 m	0	0	0	0
KT-20 MK2	8 V	603222	6600791	1154 m	0	0	0	0.4517
KT-20 MK2	8 V	603219	6600792	1154 m	0	0	0	0.3565
KT-20 MK2	8 V	603217	6600791	1153 m	0	0	0	0
KT-20 MK2	8 V	603216	6600792	1153 m	0	0	0	0.1889
KT-20 MK2	8 V	603212	6600790	1152 m	0	0	0.0102	0.185
KT-20 MK2	8 V	603210	6600792	1152 m	0	0	0.0196	0.1307
KT-20 MK2	8 V	603209	6600792	1152 m	0	0	0	0.1077
KT-20 MK2	8 V	603209	6600790	1152 m	0	0	0	0.1465

KT-20 MK2 8 V	603205	6600787	1151 m	0	0	0.0372	0.1307
KT-20 MK2 8 V	603205	6600788	1151 m	0	0	0	0
KT-20 MK2 8 V	603204	6600787	1150 m	0	0	0	0
KT-20 MK2 8 V	603202	6600788	1150 m	0	0	0.0372	0.1307
KT-20 MK2 8 V	603199	6600787	1150 m	0	0	0.006	0
KT-20 MK2 8 V	603199	6600788	1149 m	0	0	0.0128	0.1395
KT-20 MK2 8 V	603199	6600785	1149 m	0	0	0	0.2108
KT-20 MK2 8 V	603197	6600786	1149 m	0	0	0.025	0.1413
KT-20 MK2 8 V	603196	6600787	1149 m	0	0	0.003	0.1121
KT-20 MK2 8 V	603195	6600786	1149 m	0	0	0.0298	0.4596
KT-20 SCAM 8 V	603196	6600787	1148 m	0.021542	0.323803	0	0
KT-20 SCAM 8 V	603161	6600775	1146 m	0	0	0	0
KT-20 SCAM 8 V	603139	6600768	1160 m	0	0	0	0
KT-20 SCAM 8 V	603116	6600758	1144 m	0	0	0	0
KT-20 SCAM 8 V	603067	6600706	1142 m	0	0	0	0
KT-20 SCAM 8 V	603065	6600588	1141 m	0	0	0	0
KT-20 SCAM 8 V	603077	6600509	1142 m	0	0	0	0
KT-20 SCAM 8 V	603117	6600517	1160 m	0	0	0	0
KT-20 SCAM 8 V	603150	6600600	1152 m	0	0	0	0
KT-20 SCAM 8 V	603170	6600583	1155 m	0	0	0.027935	0.35761
KT-20 SCAM 8 V	603201	6600567	1169 m	0	0	1.45236	0.750772
KT-20 SCAM 8 V	603224	6600568	1172 m	0	0	1.20222	0.809012
KT-20 SCAM 8 V	603243	6600566	1162 m	0	0	0.033041	0.421117
KT-20 SCAM 8 V	603083	6600772	1141 m	0	0	1.06963	1.08677

**AFFIDAVIT OF EXPENSES**

A Geophysical survey was carried out on the Placer Claim Tenure numbers 1028084. The Survey was started August 15, 2018 and completed on August 17, 2018. Claims are located east of the village of Atlin on McKinley Creek. Work to the value of the following:

**Field Expences August 2018:**

Mob/demob, truck and equipment Whitehorse to Atlin 520 km return trip	\$520.00
James Fraser & Ryan Dix junior technicians Aug.15 to Aug. 17	\$600.00
Matt Fraser & Luke Wasylyshyn senior crew Aug.15 to Aug.17	\$700.00
Room and Board 1 day at \$100/day/man	\$400.00
Discovery Helicopter Atlin BC	\$2046.70
Magnetic Susceptibility and Conductivity plotting and interpretation	\$600.00
Research, Report and Maps	\$500.00

**GRAND TOTAL** **\$5,366.70**

Respectively submitted

Stephen G. Diakow



**STATEMENT OF QUALIFICATION STEPHEN G. DIAKOW**

I completed two years of science at Vancouver City College and the University of British Columbia completing courses in chemistry, physics and biology.

1. Studied Civil and Structural Engineering at British Columbia Institute of Technology.
2. I have worked in Mineral Exploration for the past 52 years: including the major companies Union Carbide Mining Exploration, Canadian Superior Mining Exploration and Anaconda Mining Exploration.
3. I have received three British Columbia prospector assistance grants, the first from Dr. Grove in 1975 and last in 1998.
4. Member of the Society of Economic Geologists

## References

British Columbia Minfile, (2015):

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Imperial 104N 008 Ministry of Energy and Mines  
Atlin Ruffner 104N 011 Ministry of Energy and Mines  
Cracker Creek 104N 025 Ministry of Energy and Mines  
Boulder Creek 104N 027 Ministry of Energy and Mines  
Ruby Creek Placer 104N 028 Ministry of Energy and Mines  
Willow Creek 104N 029 Ministry of Energy and Mines  
Pine Creek 104N 030 Ministry of Energy and Mines  
Birch Creek 104N 031 Ministry of Energy and Mines  
Otter Creek 104N 032 Ministry of Energy and Mines  
Wright Creek 104N 033 Ministry of Energy and Mines  
Spruce Creek 104N 034 Ministry of Energy and Mines  
McKee Creek 104N 035 Ministry of Energy and Mines  
Feather Creek 104N 036 Ministry of Energy and Mines  
Bull Creek 104N 037 Ministry of Energy and Mines  
Fox Creek 104N 038 Ministry of Energy and Mines  
O'Donnel River 104N 040 Ministry of Energy and Mines  
Burdette Creek 104N 041 Ministry of Energy and Mines  
Pictou 104N 044 Ministry of Energy and Mines  
Eagle Creek 104N 099 Ministry of Energy and Mines

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Ballantyne, S.B. and MacKinnon, H.R. 1986: Gold in the Atlin terrane, British Columbia; in Gold '86: An International Symposium on the Geology of Gold Deposits, (ed.) A.M. Chater; Toronto, September 28-October 1, 1986, p16-17.