

Geophysical Survey and Trenching Report on the Bocks Creek Project

Bocks 1-74 (P512916-P513044)

NTS: 115G/02

Latitude 61° 12' 20" Longitude 138° 47' 09"

Whitehorse Mining District

Work performed between July 31 - September 06, 2019

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Table of Contents

	Page
Item 1: Summary.....	1
Item 2: Introduction and Terms of Reference.....	1
2.1: Qualified Person and Participating Personnel.....	1
2.2: Terms, Definitions and Units.....	2
2.3: Source Documents.....	2
2.4: Limitations, Restrictions and Assumptions.....	2
2.5: Scope.....	2
Item 3: Reliance on Other Experts.....	3
Item 4: Property Description and Location.....	3
Item 5: Accessibility, Climate, Local Resources, Infrastructure and Physiography.....	6
5.1: Location and Access.....	6
5.2: Local Resources and Infrastructure.....	6
5.3: Physiography.....	6
Item 6: History.....	7
Item 7: Geological Setting and Mineralization.....	8
7.1: Regional Geology.....	6
Item 8: Deposit Types.....	9
8.1: Gulch Placers.....	9
8.2: Alluvial Fan Placers.....	9
8.3: Glacial Placers.....	10
8.4: Volcanic Massive Sulphide deposits.....	10
Item 9: Exploration.....	11
9.1: Geophysical Survey.....	11
9.1.1: Layout of Survey Grid.....	11
9.1.2: Survey Methods and Equipment.....	12
9.1.3: Survey Results.....	13
9.2: Trenching Program.....	15
Item 10: Drilling.....	20
Item 11: Sample Preparation, Analyses and Security.....	21
Item 12: Data Verification.....	22
Item 13: Mineral Processing and Metallurgical Testing.....	22
Item 14: Mineral Resource Estimates.....	22
Item 15: Adjacent Properties.....	22
15.1: Klu property.....	22
15.2: Burwash Creek (placer).....	23
15.3: Fry Pan Creek (placer).....	23
15.4: Nines Creek (placer).....	24
Item 16: Other Relevant Data and Information.....	24
Item 17: Interpretation and Conclusions.....	24
Item 18: Recommendations and Budget.....	26
Item 19: References.....	28
Item 20: Certification, Date and Signature.....	30
Item 21: Statement of Expenditures.....	31
Item 22: Appendices.....	32

	Page
List of Illustrations	
Figure 1: Location map.....	3
Figure 2: Claim map.....	6
Figure 3: Regional Geology.....	8
Figure 4: Plot of Magnetic Survey Line 5 (5 mile upper).....	13
Figure 5: Plot of Magnetic Survey Line 9 (5 mile lower).....	13
Figure 6: Plot of Magnetic Survey Line 12 (2 mile).....	14
Figure 7: Plot of Magnetic Survey Line 19 (2 mile).....	14
Figure 8: Klu property.....	22
Figure 9: Adjacent Placer Properties.....	23
List of Tables	
Table 1: Claim Data.....	4
Table 2: Sample Locations.....	15
Table 3: Sample Results.....	20
List of Photographs	
Plate 1: Bedrock wall deflecting the creek sharply to the left (north).....	7
Plate 2: Access trail along the Government built dike.....	11
Plate 3: The author taking magnetometer readings.....	12
Plate 4: Satellite Image Showing Bocks Creek Test Hole Locations.....	15
Plate 5: Bocks Creek Test Hole-1.....	16
Plate 6: Bocks Creek Test Hole-2.....	17
Plate 7: Bocks Creek Test Hole-3.....	18
Plate 8: Bocks Creek Test Hole-4.....	19
Plate 9: Gold Recovered from H-1.....	20
Plate 10: Gold Recovered from H-4.....	20

Item 1: Summary

A 5-mile lease and a 2 mile lease were staked on Bocks Creek on November 8, 2018 by Bruce McMillan acting as Power of Attorney for Ken Galambos and Ralph Keefe respectively. The leases were staked to claims during the program and the project now consists of Bocks 1-74 placer claims. The creek drains the St. Elias Mountains with the suspected sources for placer gold being the Kluane Ultramafic Suite and the Station Creek Formations which underlie much of the drainage. These units are the suspected source for the abundant placer gold found on Burwash Creek and various tributaries of the Duke River.

Bocks Creek is located 4.2km southeast of Destruction Bay on Kluane Lake in southwestern Yukon. The creek crosses the Alaska Highway and within 300-400m disappears into the gravel streambed approximately 1200m from the shore of Kluane Lake. As a result, it is not a fish bearing creek. The Yukon Department of Highways, for public safety reasons, maintains a series of berms to hold the creek in its present channel and routinely runs heavy equipment directly in the active creek channel both above and below the highway.

The current program at Bocks Creek involved a detailed magnetic survey over two areas on the creek in an effort to map the alluvial magnetite. The survey contained 1274 data points over 6.175km of line and appears to have been very successful in mapping areas of concentrated alluvial magnetite (black sands).

An excavator trenching program was completed in four locations in an effort to determine the gold grade associated with the magnetic anomalies. Two holes targeted the higher magnetic areas of the survey. A third hole was spotted at the top of the alluvial fan where the creek exits the mountains and the fourth test hole was spotted a further 185m upstream to test an area of lower magnetism. Only the final two holes reached bedrock. Gold was recovered from each test hole with the largest flake recovered weighing 40mg. Minor copper nuggets were recovered from each test hole as well as one possible platinum grain.

Item 2: Introduction and Terms of Reference**2.1 Qualified Person and Participating Personnel**

Mr. Kenneth D. Galambos, P.Eng. examined the geology and geomorphology in the area to assess the traditional placer gold potential associated with alluvial magnetite and other heavy minerals present in the creek gravels on the Bocks Creek Project, and to make recommendations for the next phase of exploration work in order to test the economic potential of the property. The author directly supervised and participated in the 2019 exploration program.

This report describes the property and is based on an examination and evaluation of the property by the author from July 31 - September 06, 2019. The author was assisted in the field by Mr. Ralph Keefe of Francois Lake, British Columbia.

2.2 Terms, Definitions and Units

- All costs contained in this report are denominated in Canadian dollars.
- Distances are primarily reported in metres (m) and kilometers (km) and in feet (ft) when reporting historical data.
- Volumes are expressed as bank cubic yards (bcy) which is the in-situ volume and loose cubic yards (lcy), the disturbed volume of material that is typically sampled.
- GPS refers to global positioning system.
- Minfile showing refers to documented mineral occurrences on file with the Yukon Geological Survey.
- The term ppm refers to parts per million, equivalent to grams per metric tonne (gm/t).
- ppb refers to parts per billion. 1000ppb is equivalent to 1 gm/t.
- The abbreviation oz/t refers to troy ounces per imperial short ton.
- The symbol % refers to weight percent unless otherwise stated. 1% is equivalent to 10,000ppm.
- Elemental and mineral abbreviations used in this report include: gold (Au), platinum (Pt), palladium (Pd), chalcopyrite (Cpy) and pyrite (Py).

2.3 Source Documents

Sources of information are detailed below and include the available public domain information and private company data.

- Research of the Minfile data available for the area at <http://www.geology.gov.yk.ca/>
- Research of mineral titles at <http://www.yukonminingrecorder.ca/>
- Review of company reports and annual assessment reports filed with the government at <http://emr.gov.yk.ca/library/>
- Review of geological maps and reports completed by the Yukon Geological Survey or its predecessors.
- Published scientific papers on the geology and mineral deposits of the region and on mineral deposit types.
- The author has previous independent experience and knowledge of the regional area having worked on the Frypan and Nines Creek placer properties, visited the Burwash Creek placer operations and having conducted regional hard rock exploration throughout the belt for Hudson Bay Exploration and Development Ltd. and Noranda Exploration Ltd. NPL.

2.4 Limitations, Restrictions and Assumptions

The author has assumed that the previous documented work in the area of the property is valid and has not encountered any information to discredit such work.

2.5 Scope

This report describes the current geophysical and trenching exploration program, geology, previous exploration history and mineral potential of the Bocks Creek Project. Research included a review of the historical work that related to the immediate and surrounding area of the property. Regional geological data and current exploration

information have been reviewed to determine the geological setting of the mineralization and to obtain an indication of the level of industry activity in the area. The property was examined and evaluated by the author between July 31 and September 06, 2019 after the staking of the 2 and 5 mile placer leases by Bruce McMillan, POA in November, 2018. Work consisted of limited geological mapping in the immediate creek area followed by geophysical surveys both prior to and subsequent to the 2 and 5 mile leases being staked to claims on August 9, August 18 and 28, 2019 respectively and the testing of creek gravels at four locations.

Item 3: Reliance on Other Experts

Some data referenced in the preparation of this report was compiled by geologists employed by the Yukon Geological Survey including its predecessor and the Geological Survey of Canada, both prior to and after the inception of National Instrument 43-101. These individuals would be classified as “qualified persons” today, although that designation may not have existed when some of the historic work was done. The author assumes no responsibility for the interpretations and inferences made by these individuals prior to the inception of the “qualified person” designation.

Item 4: Property Description and Location

The Bocks 1-74 claims are located on Bocks Creek on the southwest side of Kluane Lake in the Kluane Game Sanctuary. The centre of the area lies approximately 20 km SE of the community of Burwash Landing, Yukon on map sheet 115G02. The small village of Destruction Bay is located roughly 5.5km north of the project area.

Access from Whitehorse is via the Alaska Highway to Haines Junction, a distance of 154km and then northwest for an additional 104km to Bocks Creek.



Figure 1: Location Map

The claims are in good standing and ownership is as follows.

Table 1: Claim Data

Grant Number	Claim Name	Claim Number	Claim Owner	Claim Recording Date	Claim Expiry Date	NTS Mapsheet
P 512916	BOCKS	1	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512917	BOCKS	2	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512918	BOCKS	3	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512919	BOCKS	4	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512920	BOCKS	5	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512921	BOCKS	6	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512922	BOCKS	7	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512923	BOCKS	8	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512924	BOCKS	9	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512925	BOCKS	10	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512926	BOCKS	11	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512927	BOCKS	12	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512928	BOCKS	13	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512929	BOCKS	14	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512930	BOCKS	15	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512931	BOCKS	16	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512932	BOCKS	17	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512933	BOCKS	18	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512934	BOCKS	19	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512935	BOCKS	20	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512936	BOCKS	21	Kenneth Galambos - 100%	09/08/2019	09/08/2020	115G02
P 512992	BOCKS	22	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512993	BOCKS	23	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512994	BOCKS	24	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512995	BOCKS	25	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512996	BOCKS	26	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512997	BOCKS	27	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512998	BOCKS	28	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 512999	BOCKS	29	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513000	BOCKS	30	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513001	BOCKS	31	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513002	BOCKS	32	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513003	BOCKS	33	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513004	BOCKS	34	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513005	BOCKS	35	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513006	BOCKS	36	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513007	BOCKS	37	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513008	BOCKS	38	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513009	BOCKS	39	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02

P 513010	BOCKS	40	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513011	BOCKS	41	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513012	BOCKS	42	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513013	BOCKS	43	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513014	BOCKS	44	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513015	BOCKS	45	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513016	BOCKS	46	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513017	BOCKS	47	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513018	BOCKS	48	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513019	BOCKS	49	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513020	BOCKS	50	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513021	BOCKS	51	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513022	BOCKS	52	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513023	BOCKS	53	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513024	BOCKS	54	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513025	BOCKS	55	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513026	BOCKS	56	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513027	BOCKS	57	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513028	BOCKS	58	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513029	BOCKS	59	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513030	BOCKS	60	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513031	BOCKS	61	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513032	BOCKS	62	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513033	BOCKS	63	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513034	BOCKS	64	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513035	BOCKS	65	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513036	BOCKS	66	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513037	BOCKS	67	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513038	BOCKS	68	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513039	BOCKS	69	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513040	BOCKS	70	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513041	BOCKS	71	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513042	BOCKS	72	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513043	BOCKS	73	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02
P 513044	BOCKS	74	Kenneth Galambos - 100%	30/08/2019	30/08/2020	115G02



Item 5: Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Bocks Creek project area lies on the southwest side of Kluane Lake in the Kluane Game Sanctuary. The centre of the area lies approximately 20 km SE of the community of Burwash Landing, Latitude 61° 12' 20", Longitude 138° 47' 09" on map sheet 115G02. The claims lie in the Whitehorse Mining District and are administered out of Whitehorse, Yukon.

The nearby community of Destruction Bay hosts a hotel, café and nursing station. The small population could provide some or all of the manual labour and equipment operators required for a small placer operation.

Bocks Creek lies within the St. Elias Mountains in southwestern Yukon. The majority of the property has a moderate grade with the creek confined to a 60-80m wide valley

bottom. The active creek channel narrows and steepens over a distance of approximately 900m from the beginning of Bocks 25 to near the end of Bocks 27 claims. The valley bottom is essentially barren with low scrub encroaching onto the creek banks which have not been affected by recent flooding. Near where the creek exits the mountains, it runs into a bedrock wall and is deflected sharply to the north. Below this point it has deposited significant quantities of gravel in a large alluvial fan deposit. The alluvial fan has a grade of approximately 8-9%. The width of the fan where it exits the gulch is roughly 80m and from air photo interpretation the fan reaches a width in excess of 6km on the shores of Kluane Lake a distance in excess of 4.5km. Much of the flood plain area inside of the Department of Highway berms is barren with only scattered clumps of low shrubs and isolated trees. In areas of heavier vegetation outside of the berms, spruce and cottonwood predominated with alder and willow common, accompanied by thick moss. Evidence of grizzly bear, wolf, coyote and sheep was noted.



Plate 1: Bedrock wall deflecting the creek sharply to the left (north)

Item 6: History

Bocks Creek has been staked into prospecting leases a number of times over the past 10 years and into claims at least once. It is unclear what, if any, substantial work was completed on the creek as no known reports exist in the public domain.

JKD1: DEZADEASH

interbedded light to dark buff-grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite, phyllite and conglomerate; rare tuff (**Dezadeash**)

uTrC: CHITISTONE

thin interbedded light to dark grey argillaceous limestone and dark grey argillite; massive light grey limestone, limestone breccia and darker grey, well-bedded limestone; white to creamy-white gypsum and anhydrite (**McCarthy, Chitistone and Nizina limestones**)

uTrN: NICOLAI

amygdaloidal basaltic and andesitic flows, with local tuff, breccia, shale and thin-bedded bioclastic limestone; volcanic breccia, pillow lava and conglomerate at base; locally includes dark grey phyllite and minor thin grey limestone of Middle Triassic (**Nicolai Greenstone**)

PTrK1: KLUANE ULTRAMAFIC SUITE

medium grey-green, massive, medium grained, pyroxene gabbro and greenstone sills; sheeny black peridotite, rare dunite (**Kluane-type Mafic-Ultramafics; Squaw Datlasaka Ranges Gabbro-Diabase Sills**)

Item 8: Deposit Types**8.1 Gulch Placers**

Gulch placers are very high energy lag systems that exist in confined drainages. As with all lag deposits, they are poorly sorted and contain angular to sub-rounded particles ranging from silt to boulder in size. Boulder clusters exist within the drainage and protect poorly sorted material which acts like natural riffles that collect gold particles. The deposits can be quite rich, but may be spotty with localized concentrations of gold. Pay zones are typically narrow and range from a few inches to several feet and are normally located at or near bedrock or false bedrock within the sediment package. The source for the gold particles is quite close and the deposit forms more from the removal of lighter material than the lengthy transportation of the heavy minerals. Gold particles in a pure gulch placer will exhibit little rounding or folding and tend to be crystalline, flat, wire or shot like as found in the lode source.

8.2 Alluvial Fan Placers

Alluvial fans form when a stream or gulch exits a steep, narrow valley and enters one with a flatter gradient. A stream flowing across this gradient inflection transports coarse material to a point where it slows, loses its carrying capacity, and deposits its load at the velocity change. Over time this depositional zone forms into a fan shape, which builds until the gradient lessens to the point where the carrying capacity is affected. Catastrophic events such as major floods are often the cause of much of the deposition of the coarse material present in the alluvial fan. It is during such events that there is enough velocity present in the stream to erode and transport gold along with the larger rocks. In such a deposit, the stream is not confined and wanders back and forth

across the fan depositing its bedload and then re-eroding it. Particle size ranges from boulders to clay with the fan containing both sorted and unsorted gravels. Gold deposits present can be stacked channels that have been buried by subsequent flood events, eroded, partially eroded or enriched.

8.3 Glacial Placers

Glacial movement tends to smear any existing placer or lode deposits in a down ice direction and generally results in poorly sorted moraine containing abundant clay or rock flour. The glacial deposits rarely concentrate any heavy minerals and can often bury existing gulch placers beneath barren sediments. Placer deposits that form from gold bearing glacial sediments are typically gulch and alluvial deposits that have formed from the reworking of these glacial sediments.

8.4 Volcanic Massive Sulphide Deposits

The primary model suggested by Steve Israel of the Yukon Geological Survey for the potential source for gold mineralization found in the Bocks Creek area is that of a volcanic massive sulphide deposit. Examples in similar settings would include the Besshi deposits in Japan, Windy Craggy located in British Columbia and Greens Creek deposit in Alaska. Noranda/Kuroko type VMS deposits found in similar terranes include Tulsequah Chief, Kutcho Creek and Myra Falls in British Columbia.

Israel has noted VMS style mineralization in the Lower Station Creek formation volcanic rocks which have returned a 320 Ma age which coincides with VMS mineralization that has been found in the upper portion of the Sicker Arc on Vancouver Island. Massive magnetite deposits and magnetite-bearing jasper form as exhalative lenses up to a metre thick and several tens of metres in strike length elsewhere in the Station Creek basalts.

The Besshi type deposits generally form as thin sheets of massive to well layered iron sulphides (pyrrhotite and or pyrite) with chalcopyrite, sphalerite and minor galena interlayered terrigenous clastic rocks and calcalkaline mafic to intermediate tuffs and flows. The deposits generally form in extensional environments such as back-arc basins, rift basins in the early stages of continental separation and oceanic ridges proximal to continental margins. Deposits are generally a few metres thick and up several kilometers in strike length and down dip though they can occur as stacked lenses. Primary mineralization generally consists of pyrite, pyrrhotite, chalcopyrite, sphalerite, cobaltite, magnetite, galena, bornite, tetrahedrite, cubanite, stannite, molybdenite, arsenopyrite and marcasite. As such, copper, gold, silver, zinc and lead are the main commodities found in Besshi type deposits although the relative amounts of each mineral may vary widely. Alteration generally consists of quartz, chlorite, calcite, siderite, ankerite, pyrite, sericite and graphite.

The grade and tonnage potential for these types of deposits varies considerably from an average of 0.22Mt, containing 1.5% Cu, 2-9g/t Ag and 0.4-2% Zn for the type-locality Besshi deposits to the very large Windy Craggy deposit which has reserves of more

than 113.0 Mt containing 1.9% Cu, 3.9 g/t Ag and 0.08% Co. (Cox and Singer, 1986). Associated deposit types are generally confined to Cu and Zn veins.

Item 9: Exploration

The 2019 exploration program consisted of a detailed magnetometer survey followed by a small trenching program. The exploration program was hampered by the limitations imposed by the area being under Class 1 Notification Guidelines. Under the guidelines, only low ground pressure vehicles were allowed and road maintenance was not permitted. Access along the government built dike was at times challenging. Recent flooding of the creek eroded the dike creating a 3m drop off. This section of the dike was subsequently repaired near the end of the program allowing for safer travel to and from the work site.



Plate 2: Access trail along the Government built dike.

9.1 Geophysical Survey

The current exploration program consisted of a detailed magnetometer survey that consisted of the collection of readings every 5m on lines spaced between 40m and 60m. A total of 1274 data points were recorded over 6.175km of line. Eight lines covering 0.345line-km were surveyed over Bocks 28-30 claims, above where the creek narrows and steepens. Only the south side of the creek was surveyed due to high water conditions. A larger second area covering much of Bocks 15-24 claims were surveyed with twenty-eight lines totaling 5.83line-km. The purpose of the survey was to locate areas of potential alluvial magnetite concentrations. Magnetite and heavy mineral concentration often occurs in the same environment as concentrations of gold.

9.1.1 Layout of Survey Grid

A baseline was established parallel to the active creek channel with survey lines laid out perpendicular to the baseline. The base line was marked with pickets and end of lines with pickets and/or flagging. Survey lines were established and the lines plotted using a Garmin Map 76 handheld GPS. In open areas the line was followed by sighting on the baseline picket or person standing at the picket. Readings were collected every 5m on lines spaced of between 40 and 60m.

9.1.2 Survey Methods and Equipment

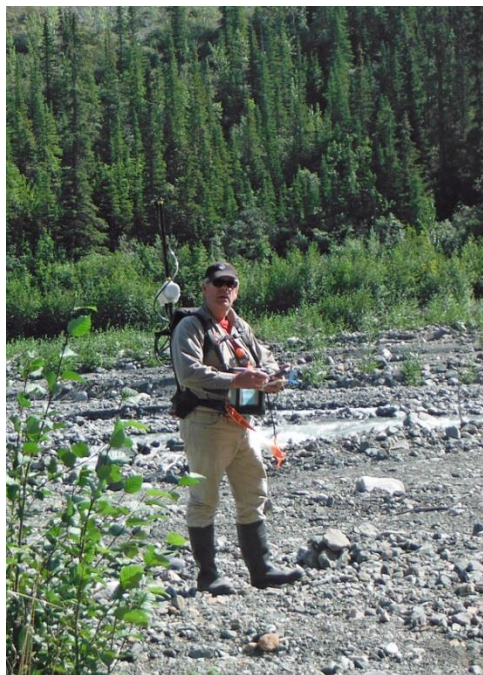


Plate 3: The author taking magnetometer readings

The magnetometer survey was carried out using a GEM Systems, GSM-19, portable, high sensitivity, Overhauser-effect magnetometer. The unit is a standard for measurement of the earth's magnetic field, having 0.01 nT (nanoTesla) resolution and 0.2 nT absolute accuracy over its full temperature range. In operation, a strong RF current is passed through the sensor head mounted on an aluminum staff. This creates a polarization of the proton-rich fluid in the sensor followed by a process of "deflection" whereby a short pulse deflects the proton magnetization (secondary magnetic field) into the plane of precession (earth's magnetic field). A slight pause in the process allows the electrical transients to die off, leaving a slowly decaying proton precession signal above the noise level. The proton precession frequency is then measured and converted into magnetic field units. Essentially, the data collected is a measurement of the earth's magnetic field plus any effect on the secondary magnetic field by ferrous objects and/or high concentrations of ferromagnetic minerals.

The mobile unit was equipped with differential GPS with positions recorded in NAD83 UTM Zone 7N. Manual recording of uncorrected readings were completed at each station with the location recorded on a Garmin Map76 handheld GPS. The magnetometer survey was completed by the author with the assistance of Ralph Keefe in the establishment of the survey grid, reference points and with general logistics.

Data Processing

Base station readings were carried out on Aug. 3 and 4, 2019 and plotted to inspect the diurnal variation. Variation was typically only a 20 nT change over the course of the survey day. Without a reliable time sync between the mobile and base unit the corrected field could not be calculated. However with the small change in daily drift relative to the measured total field over the survey areas the correction is considered negligible and the raw total field is considered a reliable representation of the area's total magnetic field.

The data was then gridded and contoured using Surfer software to produce total magnetic field colour contour maps. Gridding was carried out using the kriging method with a cell size of 2.5 metres.

9.1.3 Survey Results

The magnetic survey was useful in outlining areas of higher magnetism in both the upper creek, above the “Narrows”, and below the bedrock wall which deflects the creek out onto the alluvial fan.

Each plot is of the magnetic reading (nT) against the UTM easting. In the upper creek survey, magnetic readings ranged from 55815nT to a high of 56190nT. Higher readings, above 5600nT formed an arcuate band through the central part of the valley bottom. This anomaly has a strike length of at least 330m and a width of up to 55m. It is believed to reflect an accumulation of alluvial magnetite.

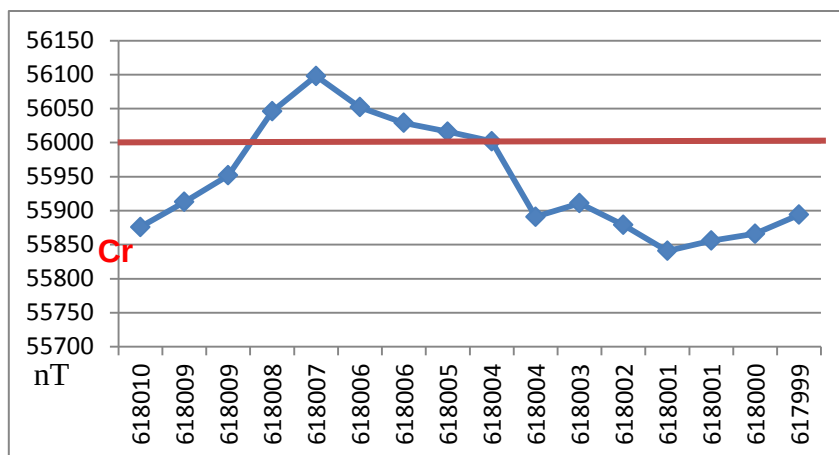


Figure 4: Plot of Magnetic Survey Line 5 (5 mile upper)

In the lower survey area, the creek appears flushed of magnetic material from the bottom of the “Narrows” down to the midpoint of Bocks 22 with readings as low as 55214nT. The “Narrows” area between Line 0 on Bocks 28 to Line 9 on Bocks 24 was not surveyed as part of the 2019 work program.

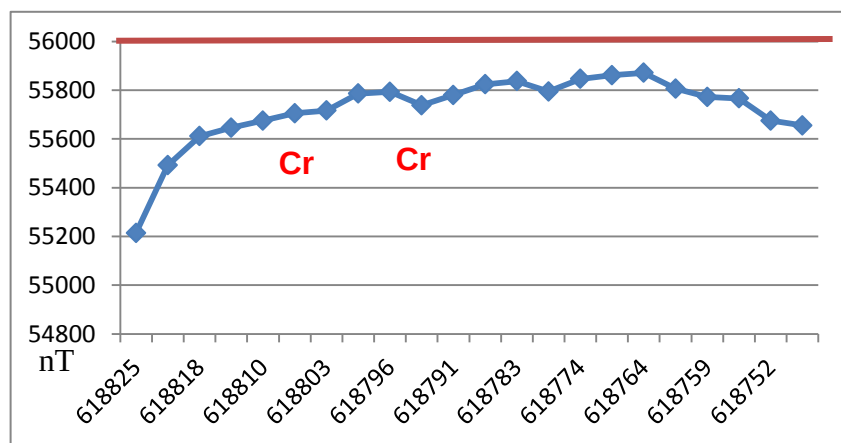


Figure 5: Plot of Magnetic Survey Line 9 (Bocks 24)

On each line surveyed, the active creek channel also appears to be locally flushed of magnetic material. This flushed material appears to have started depositing with the creek slowing as it is diverted by the bedrock wall and again when it exits the creek valley onto the alluvial fan. An area of elevated magnetism is present over the entire area surveyed on the alluvial fan with readings generally above 56000nT to a high of 56294nT.

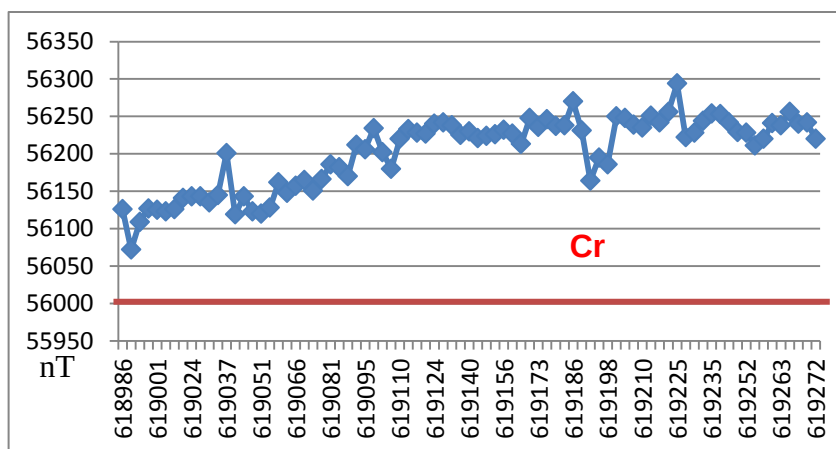


Figure 6: Plot of Magnetic Survey Line 12 (Bocks 18)

The intensity of the magnetic anomaly decreases slightly downstream but remains between 56000nT and 56200nT on line 19, the lowest line surveyed on the creek to date.

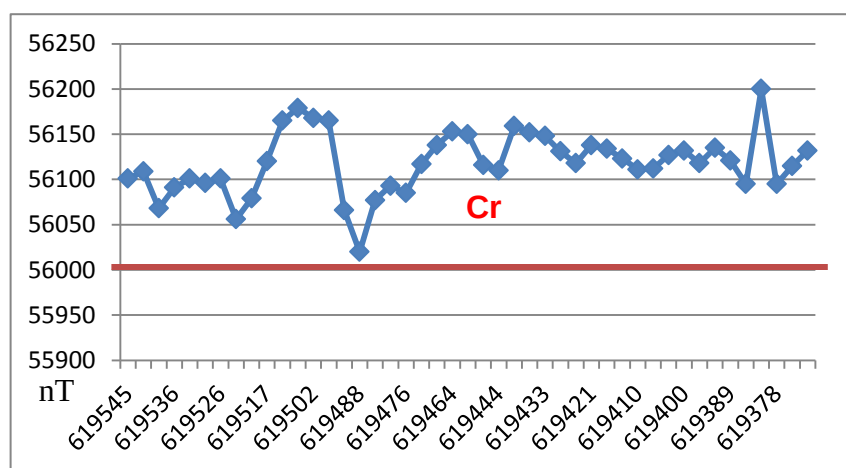


Figure 7: Plot of Magnetic Survey Line 19 (Bocks 15)

9.2 Trenching Program

A small trenching program was completed to test a number of locations on Bocks Creek. A Kubota 020 was used to dig the test holes. Test Holes 1 and 2 were spotted in an area of higher magnetism at the lower end of the magnetic survey on the alluvial fan. While neither reached bedrock, both contained significant quantities of alluvial magnetite (black sands) and minor amounts of gold. Test Hole 3 was spotted where the present creek would have breached the Government constructed dike with maximum flow velocity and carrying capacity as the creek exited the mountains onto the alluvial fan. Test Hole-4 was dug in an area of lower magnetism to see if there was potential gold deposition occurring in an area of suspected magnetite flushing. The present creek location is on the right limit of the treed island and not as shown in the satellite image.

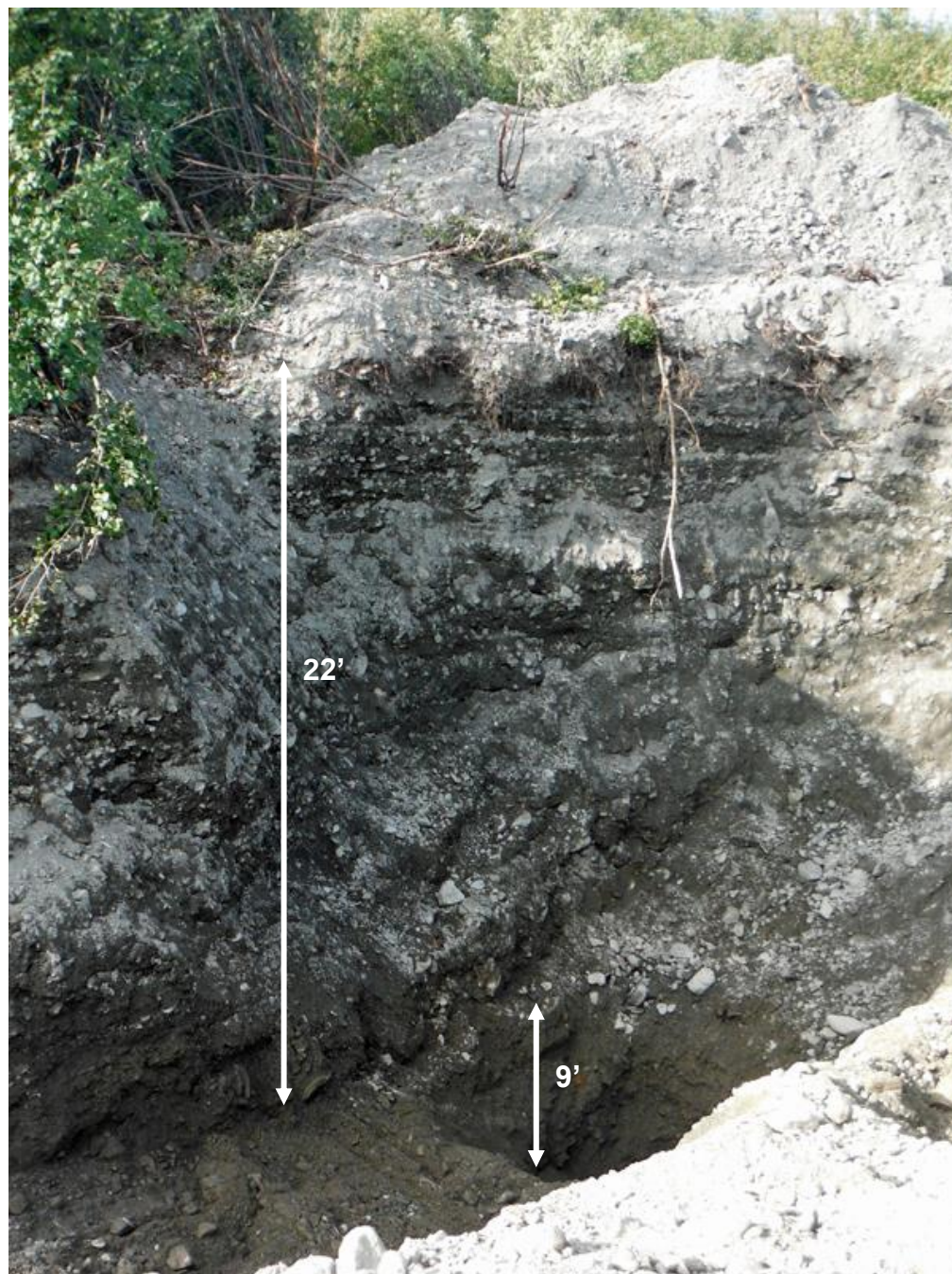


Plate 4: Satellite Image Showing Bocks Creek Test Hole Locations

Table 2: Sample Locations

Sample #	UTM Easting Nad 83 (Zone 7)	UTM Northing Nad 83 (Zone 7)	Claim
Test Hole-1	619222	6788270	Bocks 17
Test Hole-2	619080	6788264	Bocks 18
Test Hole-3	618935	6787999	Bocks 20
Test Hole-4	618971	6787819	Bocks 21

Test Hole-1 was dug near the southeast side to the treed island near the present creek location. The hole measured approximately 30m across and 9.45m deep with a total of 2912bcy of material excavated. Magnetic readings measured between 56174nT and 56260nT. The alluvial material consisted of 6.71m (22') of medium-brown, matrix-supported, layered gravels with particle size ranging from silt to large cobbles. These gravels are underlain by rusty-brown, silt to boulder sized gravels from 6.71m to the bottom of the hole at 9.45m (31').



A sample of approximately 20 lcy was collected and sluiced from the rusty gravels located from 22'-31'. Abundant magnetite was recovered from the test.

Plate 5: Bocks Creek Test Hole-1

Test Hole-2 was dug on the left limit side of treed island near the start of Bocks 18. The hole measured approximately 30m across and 10m deep with a total of 3082bcy of material excavated. Magnetic readings in the area of the test pit were in the range of 56165nT-56185nT. The alluvium consisted of medium brown mixed gravels ranging in size from silt to medium sized boulders as shown in the photo. These gravels overlaid a rusty-brown boulder layer at approximately 9.75m (32'). A small sample of 4.25lcy was collected from the rusty layer prior to the steep wall collapsing after a heavy rainstorm. A decision was made to abandon the hole rather than try and recover a larger sample.

Abundant magnetite was recovered from the small test.



Plate 6: Bocks Creek Test Hole-2

Test hole 3 was spotted at the upstream end of the alluvial fan where the historical creek would have flowed prior to the Department of Highways efforts to move the creek to the south and control its flooding. The hole measured approximately 20m x 4m and 5m deep with a total of 523bcy of material excavated. Magnetic readings on line 6, approximately 17m downstream, measured 56052nT and on line 5, 21m upstream, measured 55984nT. The test hole reached bedrock at a depth of 5.18m (17') where it encountered running water at the gravel-bedrock interface. The gravels consisted of medium brown, poorly sorted, silt to large boulder sized clasts. No colour change was



noted in the test hole. Approximately 10 lcy were dug and stacked from the 11'-17' layer with a toothed digging bucket and then a further amount was bailed from the water filled hole the next morning using the same bucket. Penetration of the bedrock was not achieved. Very little magnetite was recovered in the test.

Plate 7: Bocks Creek Test Hole-3

Test Hole 4 was located on the left limit bank in the creek valley approximately 75m upstream of the bedrock wall which deflects the creek sharply to the north. The hole measured approximately 20m x 3.5m and 5.5m deep with a total of 504bcy of material excavated. Magnetic readings in the immediate area measured 55938nT. The hole consisted of mixed silt to large boulder sized clasts to a depth of 4.57m (15') sitting on medium green fractured bedrock. The hole was dug to a depth of 5.45m (18'). Gravels were medium brown in colour from surface to 3.66m (12') and then rusty orange brown in colour to 4.57m. The sample processed consisted of 18 lcy from 12' to 18' and

included 3' of bedrock material. The end of the tape in the photo below is at the bedrock-gravel interface. Only minor magnetite was recovered from the sample.



Plate 8: Bocks Creek Test Hole-4

At each site, the gravels collected for testing were sluiced with the processing waters directed back into the test pit. Following the sluice cleanup and removal of the placer concentrates, the test hole was reclaimed and the surface material flattened into its natural state.

The amount of alluvial magnetite collected from each test site supported the results from the magnetic survey and indicate that areas of higher magnetism contain significant amounts of black sands and minor copper nuggets to 16mm in length. Holes H1 and H2, dug within the magnetic high anomaly located on the alluvial fan, did not reach bedrock. Despite this, placer gold was recovered as rough flakes up to 3mm in length often coated with iron oxide. Test holes that reached bedrock, H3 and H4, in areas showing lower magnetic response contained only minor magnetite, several copper nuggets and recovered flakes of placer gold up to 40mg in weight and measuring up to 4mm across and minor manganese stained wire gold as shown in Plate 9.



Plate 9: Gold Recovered from H-1

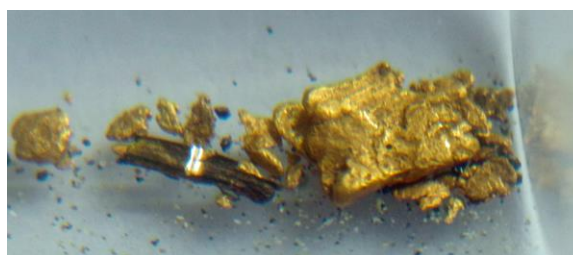


Plate 10: Gold Recovered from H-4

Table 3: Sample Results

Sample Number	Depth (ft)	Magnetite	Copper	Gold	Sample size (LCY)	Weight (mg)
H1	22-31'	Lots	Minor to 8mm	Dull, bright and orange gold. Numerous flakes up to 3mm.	20	185
H2	31-32'	Lots	Several to 16mm	Bright gold up to 2mm	4.25	20
H3	11-17'	Minor	Several to 9mm	Both dull and bright gold. 1mm platinum grain	10	54
H4	12-18' (includes 3' of bedrock)	Minor	Several to 8mm	Generally bright gold. Numerous flakes up to 4mm across (40mg).	18	125

Item 10: Drilling

No drilling was completed during the program.

Item 11: Sample Preparation, Analysis and Security

Samples collected in the program were sluiced using Kubota 121 excavator and a home built sluice box. Larger boulders were separated out prior to the gravels being placed onto a sloping hopper. Spray bars washed the gravels from the sides and top while the gravels moved down the vibrating hopper. Cleaned cobbles and small boulders fell off the end of the box while pebble and smaller sized material dropped onto a traditionally designed sluice run consisting of expanded metal over open-backed miners mat. The sluice was set up with a slope of 1" per foot.

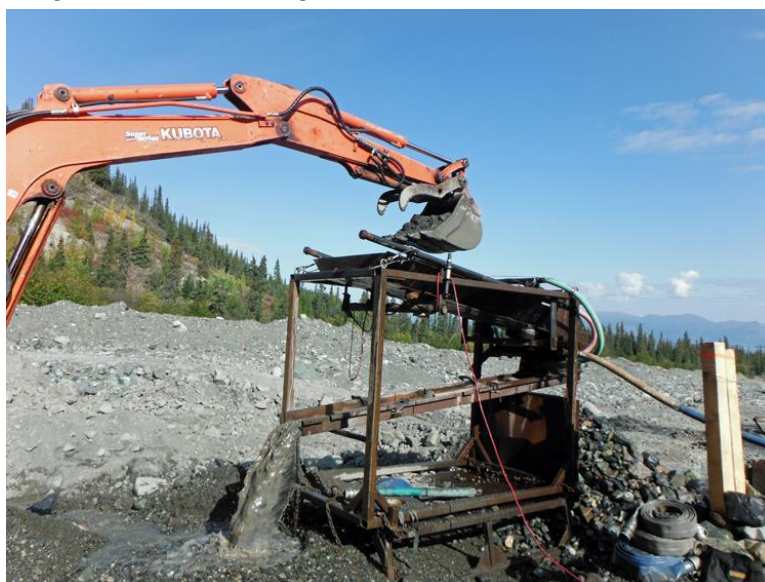


Plate 11: Vibrating Sluice Box at Bocks Creek

Following the sluicing of the test sample, the expanded metal was removed and rinsed. The miners mat and heavy concentrates were washed into a holding tank and the entire sluice box carefully washed. Concentrates were then placed in plastic tubs for transport back to camp for a rough cleanup. Samples were sieved to remove pebbles and checked for larger gold nuggets. Finer material was double-bagged for secure transport to Victoria for final processing using a Black Magic cleanup sluice. All gold was recovered, placed in small glass vials, dried and weighed.



Plate 12: Final Processing of Placer Concentrates

Item 12: Data Verification

No data verification was completed during the program.

Item 13: Mineral Processing and Metallurgical Testing

No mineral processing or metallurgical testing was completed during the program.

Item 14: Mineral Resource Estimates

No mineral resource estimates were completed during the program.

Item 15: Adjacent Properties**15.1 Klu property**

The property covers an area of complex geology and thrust faulting in which late Triassic peridotite and gabbro dykes intrude steeply dipping sedimentary rocks of the Permian Hasen Creek Formation. Ni-Cu-PGE mineralization in the region is associated with basal marginal gabbro phase of the Spy Sill. Sulphide mineralization at the Congdon occurrence (Spy Showing) Minfile 115G 003 occurs in siltstone in the footwall of the sill, marginal gabbro and feldspathic peridotite.

Chalcopyrite and nickeliferous pyrrhotite at the base of the main peridotite dike and galena and sphalerite in quartz-carbonate veins up to 30 cm wide cut the dike. One vein assayed 1.2% Zn and 0.25% Pb. Minor chalcopyrite and pyrrhotite are reported about 4.8 km to the southeast.

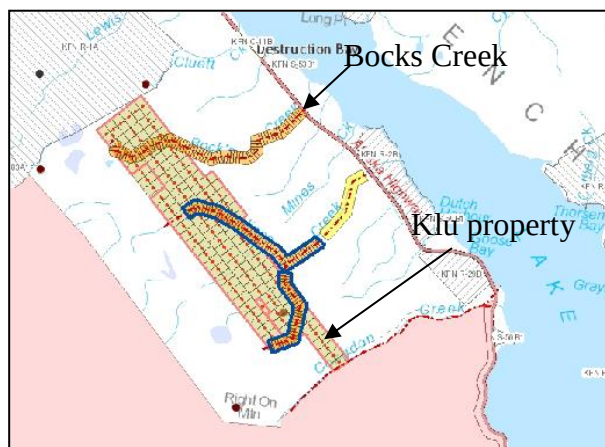


Figure 8: Klu Property

Silt samples from streams draining the Klu claims returned anomalous values (up to 673 ppm Ni and appear to outline peridotite intrusions. Soil sampling in 1988 outlined four gold and four platinum and palladium anomalies with values up to 920 ppb Au, 158 ppb Pt and 277 ppb Pd over an ultramafic sill. Inco found intermittent sulphide showings over a strike of 3.6 km along the base of the 6 km long Spy Sill. These sulphide showings have highly anomalous PGE grades along with significant Ni and Cu. The number and size of peridotite intrusions occurring on the claim block and in the belt suggest they are part of a very large magmatic system. No significant Ni-Cu-PGE showings have been found at intrusions other than the Spy Sill. Grab samples collected by Inco from the gabbro-siltstone contact assayed up to 3.1% Ni, 2.8% Cu, 0.2% Co, 3.1g/t Pt, 1.4g/t Pd and 1.0g/t Au.

A heavy mineral sample collected 400 m downstream from the intersection of the Spy Sill and the south branch of Nines Creek returned 700ppm Pt and >10 000 Au. The high Au value may not necessarily be related to sulphide mineralization and may indicate possible placer gold potential at that point.

15.2 Burwash Creek (placer)

Burwash Creek lies a distance of 32 km north-west of Bocks Creek. Historical records of gold production are spotty at best with government royalty figures totaling 27,782 crude ounces. This is considered a minimum value as most coarse jewelry gold was and is still sold privately.

Placer gold in Burwash Creek has been found in several types of unconsolidated sediments, including 1) Modern river gravel, 2) at least 2 levels of alluvial bench gravel, 3) Interglacial river gravel, which is in places reworked and buried by modern gravel and glacial material, 4) glaciofluvial gravel, 5) glacial till, 6) colluvium derived from types 2 to 5; 7) tailings from previous mining activity and 8) mine tailings subsequently reworked by flood events in the modern stream. The fineness of gold on Burwash Creek is unusually consistent throughout its length, varying only from 850 to 860 and showing no distinctive change in distance downstream. The gold is coarse and nuggets are common, with the largest found weighing 16 ounces. Generally the gold is smooth, flat and well-traveled, and quartz attachments are rare. In the main valley, the grain size is evenly distributed between plus 8 mesh and minus 8 mesh, while on the benches coarser gold occurs with the ratio of 90% plus 8 mesh and 10% minus 8 mesh. (Lebarge, 2008)

15.3 Fry Pan Creek (placer)

Fry Pan creek is located 26km north-west of Bocks Creek and exists as a small tributary to the Duke River. Little mining has occurred on the creek and only a few bulk sampling operations have tested the creek gravels. A small test mining program occurred in 1989. A second mining operation in 1993 is reported to have sluiced 2500 bcy of material and recovered 256 ounces of placer gold. Test pitting programs attempted to determine the gold content of the creek

gravels in both 1993 and 1995. An evaluation program completed in 1995 found gold distributed in creek gravels and in the glacial till that covered most of the property. The average grade of the samples collected during the program was 0.33148 oz/lcy. **It has since come into question that the samples from this program may have been tampered with and the values obtained should not be relied upon. Independent verification studies should be conducted to determine actual gold content.** Many of the samples contained a high clay content which proved problematic in the processing (sluicing) and would undoubtedly be an issue in any mining operation on the creek.

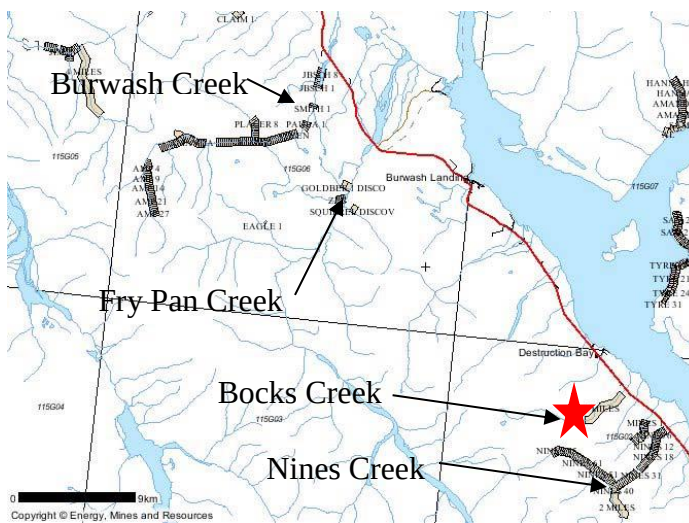


Figure 5: Adjacent placer properties

15.4 Nines Creek (placer)

Nines creek is located 5km to the south of Bocks creek and has not seen any substantial production to date. Exploration programs from 2008-2013 established that significant quantities of magnetite, native copper nuggets and placer gold were associated with magnetic anomalies found by detailed magnetic surveys in 2009. Resistivity surveys completed in 2012 indicated that depth to bedrock was between 2 and 8m over much of the creek bottom. Trenching programs from 2010-2013 located concentrations of placer gold including a small nugget weighing 1g. Preliminary results of test mining in September, 2018 indicated grades of \$20-\$30/yd from a 60yd bulk sample (personal communication Tim Uribe, Aurem Alliance).

Item 16: Other Relevant Data and Information

There is no other relevant data or information included in this report.

Item 17: Interpretation and Conclusions

The creeks draining the front ranges of the mountains near Kluane Lake have been significant producers of placer gold. The outlining of potential reserves for an economic placer gold deposit similar to that found on Burwash, Frypan and Nines Creek was the focus of the current program for Bocks Creek. Recorded placer gold production from Burwash Creek, located 30km to the northwest, is 27,782 crude ounces. This estimate is considered quite low. The largest nugget found on the creek to date was 16 ounces (Lebarge 2008). Fry Pan Creek, located 24km to the northwest, contains gravels with preliminary estimated grades ranging between 0.1 – 0.33oz/yd. A placer operation was established on the lower Nines Creek claims owned by Ralph Keefe in early August, 2019 by Aurem Alliance Ltd. (Placer Land Use Permit LP01273 / Yukon Water License PM18-017). This operation is planned for the claims situated below the Nines Creek canyon (Nines 31-35) and not on the very large and intense magnetic target located above the canyon. Exploration programs completed at Nines Creek between 2008 and 2013 show that detailed magnetic surveys, depth to bedrock surveys followed by the mechanized trenching of magnetic anomalies was a cost effective method to delineate areas of substantial alluvial magnetite and concentrations of placer gold.

Both Nines and Bocks creeks are underlain by similar geology and have nearby Minfile showings of similar mineralogy such as the Spy showing situated on the south fork of Nines Creek. Destruction (Minfile 115G 006) Co-Pt-Ni-Cu showing and Bock (Minfile 115G 084) Co-Cu-Pt-Ni-Pd-showings are both classified as Ultramafic Gabbroid Cu-Ni-PGE deposit types and lie just north of the upper Bocks drainage. Kluane (115G 099) Cu-Pt-Pd-Ni showing is unclassified and lies just west of the upper Bocks drainage.

Magnetic surveys completed in 2019 on Bocks Creek identified similar, but more intense magnetic anomalies than those found at Nines Creek. Data from the survey suggests that alluvial magnetite is present within the upper survey area above the “Narrows”. Magnetic readings here range between 55815nT and 56190nT. The creek below the steeper section appears to have been flushed of magnetic material which was subsequently deposited onto the upper parts of the alluvial fan. Magnetic readings as

low as 55219nT were recorded immediately below the Narrows area and as high as 56294 at the top of the alluvial fan.

Test pitting at four locations showed that the magnetic anomalies were a direct result of the accumulation of alluvial magnetite. While only anomalous quantities of gold were found during the test pitting program, the two holes to reach bedrock were located in areas of lower magnetism within the confines of the creek valley and at the bottom of a steeper and narrower section of the creek. The creek at these locations contained minimal alluvial magnetite which is believed to have been flushed further downstream during periods of extensive flooding. The majority of the associated placer gold is also believed to have been transported onto the upper area of the alluvial fan where the carrying capacity of the flooding creek diminished. Gold flakes that were recovered from within the creek valley individually weighed up to 40mg and measured 4mm across. Test pitting of the magnetic high anomaly at the top of the alluvial fan returned significant quantities of black sands, copper nuggets to 16mm length and flakes of placer gold to 3mm from rusty gravels at a depth 22' and 32' below surface. Bedrock was not reached in either of these test holes and as a result the optimum environment for the accumulation of placer gold was not tested. Magnetic data from the upper survey area above the "Narrows" identified an arcuate magnetic anomaly with a 330m strike length and up to 55m width. This anomaly remains open both up and downstream and was not trenched.

It is believed that Bocks Creek could host significant reserves in a Gulch Placer setting within the confines of the creek valley. Gold particles in a pure gulch placer will exhibit little rounding or folding and tend to be crystalline, flat, wire or shot like as found in the lode source. The gold found from the 2019 program was primarily rough textured flakes with some wire textures and sometimes coated with iron or manganese oxide.

Magnetic data also suggests that a second deposit model that may be present on Bocks Creek is that of an Alluvial Fan Placer. The apparent flushing of magnetic material from the steeper "Narrows" section of the creek and subsequent deposition over a large area at the top of the alluvial fan indicates the presence of a significant concentration of alluvial magnetite and possibly placer gold and other heavy minerals including platinum and copper nuggets. This anomaly has a strike length of at least 700m down the creek and a width exceeding 400m (the length of the longest line surveyed). Bedrock was not reached in this area and therefore this target has not yet been tested.

Item 18: Recommendations and Budget

The application process for a Class 3 or Class 4 Placer Mining Land Use Permit should be initiated to facilitate the use of larger equipment for sampling of gravels and the construction of a useable trail to the area above the “Narrows” and to the top end of Bocks 60. Class One regulation restrictions currently limit the size of equipment to 20t for existing trails and prohibits the upgrading of existing access roads and the construction of new access roads.

Once access is gained, a similar geophysical survey program to that conducted in 2019, with 5m stations on lines spaced 40-60m, should be completed over the balance of the valley bottom up to and including Bocks 60. Above this point on the creek, water becomes an issue as the creek flows underground for much of the remaining distance under claim.

Depth to bedrock should be determined where significant magnetic anomalies are found to determine the most cost effective means of sampling the gravels that are present on bedrock. A passive seismometer survey should be attempted in that it would be a more cost effective method than resistivity and should produce similar results.

Sampling of the gravels at a number of locations is recommended to assess the grade of contained gold. All efforts should be used to gain access to the gravels immediately above bedrock as this is where the greatest concentrations of placer gold should be located. Such a program would identify accumulations of placer gold and hopefully map any “pay channels” present. A drill program will be required to test gravels lying on bedrock on the alluvial fan as the gravels in areas tested to date are too deep to be dug with an excavator. Most of the area within the confines of the creek valley should be suitable for excavator testing. From these sampling and geophysical programs an initial estimate of the extent and grade of mineralization within the gravels can be calculated prior to more detailed exploration.

Until a Class 3 or 4 permit is successfully obtained, equipment that meets Class 1 thresholds will need to be used and all guidelines for off-road use of low ground pressure vehicles will need to be followed.

Proposed Exploration

Geophysical surveys	\$15,000
Excavator (300hr) for testing program and trail building	\$40,000
Excavator (200hr) for sample processing	\$20,000
Test plant (20 days)	\$9,000
Drill program (25-30 holes)	\$40,000
Equipment rental (Argo, Trucks, etc.)	\$10,000
Mob/Demob	\$4,000
Labour (20 days @ \$200/day)	\$4,000
Forman (30 days @ \$400/day)	\$12,000
Accommodation and meals	\$15,000
Reporting	<u>\$4,500</u>

Respectfully submitted,

November 10, 2019

Item 19: References

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Item 20: Certification, Date and Signature

1) I, Kenneth Daryl Galambos of 1535 Westall Avenue, Victoria, British Columbia am self-employed as a consultant geological engineer, authored and am responsible for this report entitled "Geophysical Survey Report on the Bocks Creek Project", dated November 10, 2019.

2) I am a graduate of the University of Saskatchewan in Saskatoon, Saskatchewan with a Bachelor's Degree in Geological Engineering (1982). I began working in the mining field in 1974 and have more than 35 years mineral exploration and production experience, primarily in the North American Cordillera. Highlights of this experience include the discovery and delineation of the Brewery Creek gold deposit, near Dawson City, Yukon for Noranda Exploration Ltd.

3) I am a registered member of the Association of Professional Engineers of Yukon, registration number 0916 and have been a member in good standing since 1988. I am a registered Professional Engineer with APEGBC, license 35364, since December, 2010.

4) I have visited the subject mining property of this report and am a "Qualified Person" in the context of and have read and understand National Instrument 43-101 and the Companion Policy to NI 43-101. This report was prepared in compliance with NI 43-101.

5) This report is based upon a site visit to the property between the dates July 31-September 6, 2019, the author's personal knowledge of the region and a review of additional pertinent data.

6) As stated in this report, in my professional opinion the property is of potential merit and further exploration work is justified.

7) To the best of my knowledge this report contains all scientific and technical information required to be disclosed so as not to be misleading.

8) I am partners with Ralph Keefe on Bocks Creek and on a number of properties in Yukon and British Columbia. My professional relationship is as a non-arm's length consultant, and I have no expectation that this relationship will change.

9) I consent to the use of this report for such assessment and/or regulatory and financing purposes deemed necessary, but if any part shall be taken as an excerpt, it shall be done only with my approval.

Dated at Victoria, British Columbia this 10th day of November, 2019.

"Signed and Sealed"

"Kenneth D. Galambos"

Ken Galambos, P.Eng. (APEY Reg. No. 0916, APEGBC reg. No. 35364)
KDG Exploration Services
1535 Westall Ave.
Victoria, British Columbia V8T 2G6

Item 21: Statement of Expenditures

July 31-September 06, 2019

Personnel

Ken Galambos 40 days @ \$500/day	20,000.00
Ralph Keefe 38 days @ \$350/day	13,300.00
Bruce McMillan 28 days as per invoice	6,004.00

Room and board (104 man days@ \$100/day)	10,400.00
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Equipment

Truck 38 days @ \$50/day	1,900.00
ATV 38 days @ \$40/day	1,520.00
Trailer 38 days @ \$16/day	608.00
Chainsaw 38 days @ \$10/day	380.00
Generator 38 days @ \$10/day	380.00
Cleanup Sluice 2 days @ \$10/day	20.00
Off road fuel	89.05

Contractor Equipment

Kubota 080 excavator 3 weeks @ \$2000/wk	6,000.00
Kubota 121 excavator 42 hrs @ \$110/hr	4,620.00
Honda ATV 31 days @ \$40/day	1,240.00
Argo 27 days @ \$60/day	1,620.00
Wash Plant 18 hrs @ \$110/hr	1,980.00
fuel	4,581.00

Frontier Geophysics Magnetometer Rental	2,335.00
Kluane Helicopter charter	4,398.98

Report 2 days @ \$500/day	1,000.00
Magnetic map processing	<u>500.00</u>

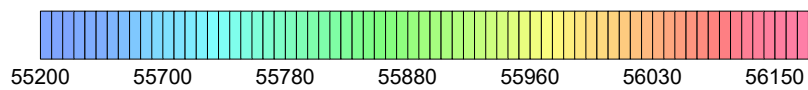
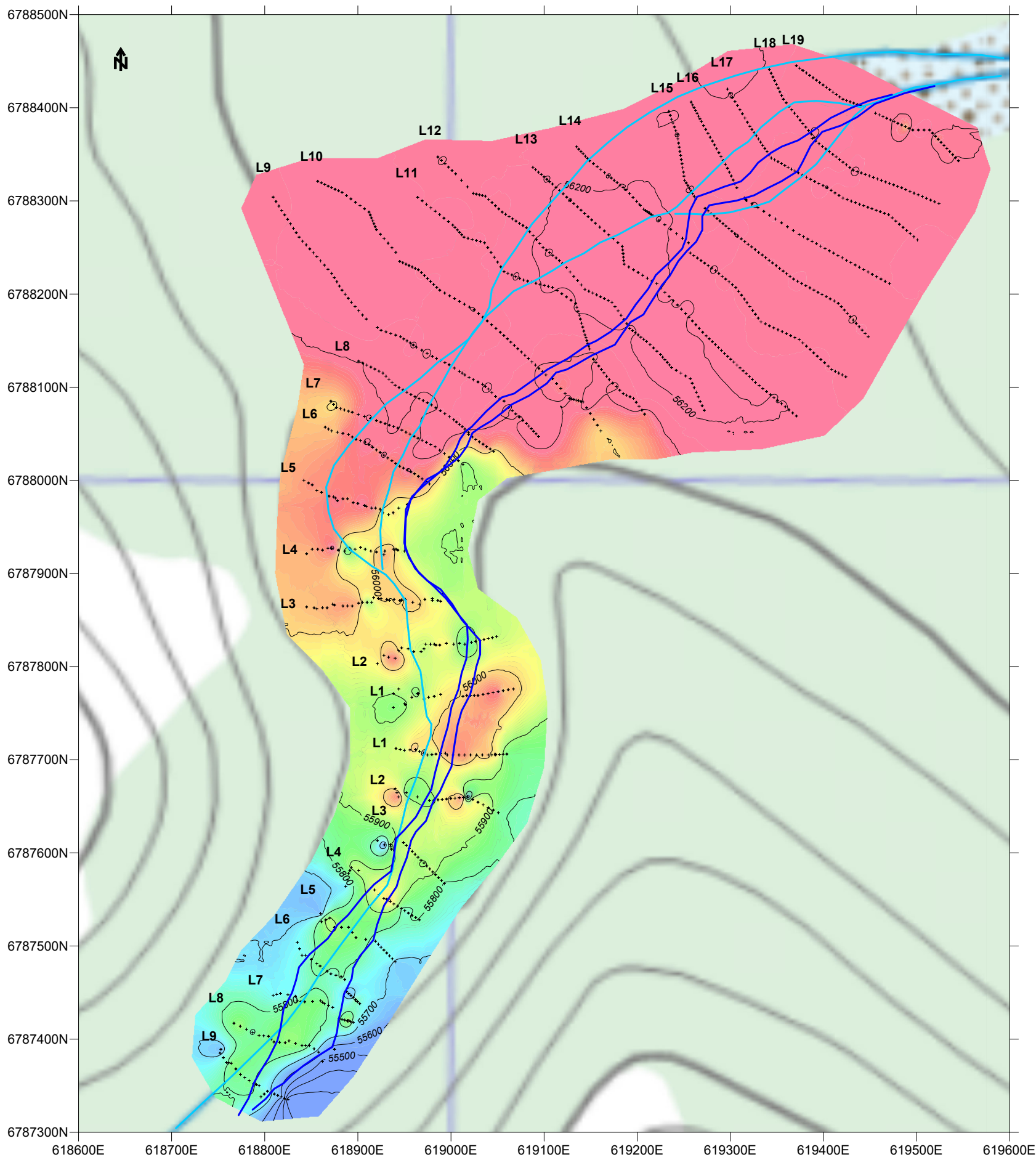
Total	\$82,876.03
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Item 22

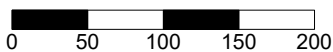
Appendices

Appendix A

Magnetic Plots

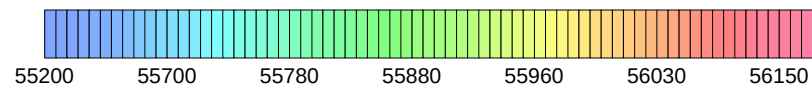
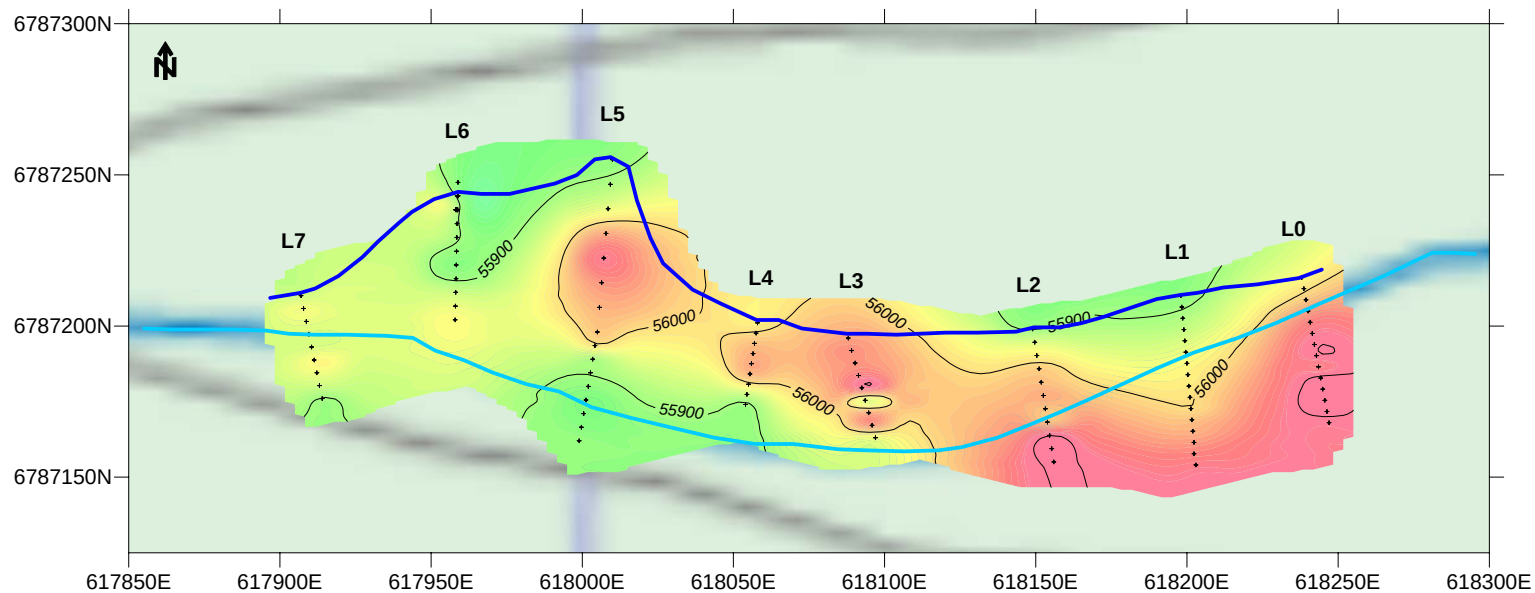


TOTAL MAGNETIC FIELD (nT)

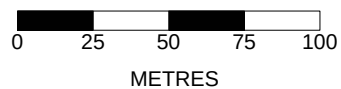


METRES

KDG EXPLORATION SERVICES		
2 MILE AND 5 MILE LEASE LOWER CANYON		
TOTAL FIELD MAGNETOMETER SURVEY		
TOTAL MAGNETIC FIELD CONTOUR PLAN		
FRONTIER GEOSCIENCES INC.		
DATE: SEPT. 2019	SCALE 1:5,000	FIG. 1



TOTAL MAGNETIC FIELD (nT)



KDG EXPLORATION SERVICES		
5 MILE LEASE UPPER CANYON		
TOTAL FIELD MAGNETOMETER SURVEY		
TOTAL MAGNETIC FIELD CONTOUR PLAN		
FRONTIER GEOSCIENCES INC.		
DATE: SEPT. 2019	SCALE 1:2,500	FIG. 1

Appendix B

Magnetic Data (Uncorrected)

Bocks creek mag
5 Mile lease above "Narrows"

Line	Nad 83-Zone 7		uncorrect mag (nT)
	easting	northing	
7u	617907	6787210	55926
7u	617908	6787206	55996
7u	617909	6787202	55954
7u	617910	6787197	55945
7u	617911	6787193	55898
7u	617911	6787189	56023
7u	617912	6787185	55962
7u	617913	6787180	55944
7u	617914	6787176	55891
6u	617959	6787243	55815
6u	617959	6787238	55872
6u	617959	6787238	55971
6u	617959	6787238	55970
6u	617959	6787238	55998
6u	617958	6787238	56028
6u	617958	6787238	56047
6u	617958	6787238	56021
6u	617958	6787238	55955
6u	617958	6787202	55984
6u	617958	6787207	55960
6u	617958	6787211	55947
6u	617958	6787216	55884
6u	617958	6787220	55841
6u	617958	6787225	55883
6u	617959	6787229	55920
6u	617959	6787234	55905
6u	617959	6787238	55878
6u	617959	6787243	55896
6u	617959	6787247	55862
6u	617959	6787152	55826
5u	618010	6787255	55876
5u	618009	6787247	55913
5u	618009	6787239	55952
5u	618008	6787231	56046
5u	618007	6787222	56098
5u	618006	6787214	56052
5u	618006	6787206	56029
5u	618005	6787198	56016
5u	618004	6787194	56002

5u	618004	6787189	55891
5u	618003	6787185	55911
5u	618002	6787180	55879
5u	618001	6787176	55841
5u	618001	6787171	55856
5u	618000	6787167	55866
5u	617999	6787162	55894
4u	618058	6787201	55975
4u	618058	6787198	56000
4u	618057	6787194	56027
4u	618057	6787191	56033
4u	618056	6787188	56041
4u	618056	6787184	56034
4u	618055	6787181	55995
4u	618055	6787177	55932
4u	618054	6787174	55885
3u	618088	6787196	56040
3u	618089	6787192	56079
3u	618090	6787188	56029
3u	618091	6787184	56048
3u	618093	6787180	56190
3u	618094	6787175	55892
3u	618095	6787171	56052
3u	618096	6787167	56060
3u	618097	6787163	55937
2u	618149	6787199	55868
2u	618150	6787195	55978
2u	618150	6787190	55974
2u	618151	6787186	56035
2u	618152	6787181	56010
2u	618153	6787177	56054
2u	618153	6787173	56012
2u	618154	6787168	56006
2u	618155	6787164	56107
2u	618155	6787159	56128
2u	618156	6787155	56105
1u	618198	6787210	55868
1u	618198	6787206	55895
1u	618199	6787203	55921
1u	618199	6787199	55915
1u	618199	6787195	55958

1u	618200	6787191	55954
1u	618200	6787188	55984
1u	618200	6787184	55987
1u	618201	6787180	55976
1u	618201	6787176	56017
1u	618201	6787173	55972
1u	618202	6787169	56037
1u	618202	6787165	56023
1u	618202	6787161	56052
1u	618202	6787158	56063
1u	618203	6787154	56082
0u	618238	6787216	55972
0u	618239	6787212	55998
0u	618239	6787209	56002
0u	618240	6787205	56051
0u	618241	6787201	56080
0u	618241	6787198	56079
0u	618242	6787194	56106
0u	618243	6787190	56109
0u	618244	6787186	56053
0u	618244	6787183	56111
0u	618245	6787179	56124
0u	618246	6787175	56134
0u	618246	6787172	56112
0u	618247	6787168	56081

5 Mile lease below "Narrows"

Line	easting	northing	uncorrected mag
9	618825	6787335	55214
9	618821	6787337	55492
9	618818	6787338	55611
9	618814	6787340	55646
9	618810	6787341	55675
9	618807	6787343	55705
9	618803	6787344	55716
9	618800	6787341	55786
9	618796	6787338	55793
9	618794	6787350	55738
9	618791	6787351	55780
9	618788	6787352	55824
9	618783	6787355	55837
9	618779	6787359	55794
9	618774	6787362	55846

9	618769	6787368	55861
9	618764	6787374	55871
9	618762	6787375	55806
9	618759	6787375	55772
9	618756	6787380	55766
9	618752	6787385	55675
9	618753	6787389	55655
8	618862	6787376	55480
8	618875	6787389	55548
8	618858	6787386	55660
8	618853	6787390	55752
8	618848	6787393	55782
8	618844	6787393	55832
8	618840	6787393	55844
8	618833	6787396	55877
8	618826	6787398	55887
8	618822	6787396	55888
8	618816	6787397	55845
8	618810	6787397	55879
8	618807	6787400	55862
8	618804	6787403	55866
8	618799	6787404	55783
8	618794	6787404	55864
8	618787	6787407	55780
8	618781	6787411	55832
8	618774	618883	55897
8	618767	6787417	55867
7	618895	6787418	55734
7	618892	6787419	55865
7	618889	6787420	55947
7	618886	6787420	55822
7	618883	6787421	55807
7	618880	6787422	55797
7	618873	6787434	55730
7	618869	6787436	55805
7	618864	6787438	55819
7	618862	6787440	55894
7	618860	6787441	55831
7	618852	6787441	55853
7	618843	6787440	55845
7	618839	6787441	55861
7	618835	6787441	55830
7	618833	6787446	55712

7	618825	6787448	55747
7	618817	6787449	55742
7	618813	6787448	55721
7	618809	6787447	55733
6	618902	6787438	55751
6	618900	6787440	55791
6	618897	6787442	55813
6	618895	6787445	55696
6	618893	6787447	55659
6	618890	6787449	55668
6	618888	6787451	55686
6	618886	6787464	55760
6	618882	6787467	55820
6	618877	6787469	55774
6	618871	6787470	55760
6	618867	6787473	55800
6	618863	6787476	55830
6	618860	6787479	55840
6	618856	6787481	55825
6	618850	6787486	55799
6	618844	6787490	55730
6	618840	6787490	55754
6	618838	6787497	55731
6	618835	6787504	55731
5	618940	6787483	55683
5	618937	6787486	55743
5	618934	6787489	55730
5	618931	6787492	55737
5	618928	6787496	55763
5	618925	6787499	55711
5	618922	6787502	55723
5	618919	6787505	55759
5	618909	6787507	55828
5	618898	6787509	55873
5	618894	6787515	55887
5	618890	6787520	55844
5	618883	6787520	55857
5	618875	6787520	55913
5	618870	6787530	55900
5	618866	6787528	55905
5	618861	6787526	55842
5	618860	6787535	55646

4	618966	6787528	55791
4	618962	6787530	55817
4	618958	6787533	55818
4	618954	6787535	55756
4	618950	6787538	55782
4	618947	6787540	55797
4	618943	6787543	55906
4	618939	6787545	55954
4	618935	6787548	56000
4	618931	6787550	56002
4	618928	6787551	55965
4	618923	6787556	55972
4	618918	6787560	55963
4	618901	6787581	55927
4	618893	6787584	55920
4	618892	6787581	55848
4	618890	6787578	55847
4	618889	6787571	55780
4	618887	6787564	55708
3	618993	6787567	55790
3	618990	6787570	55835
3	618987	6787573	55873
3	618984	6787576	55885
3	618980	6787580	55913
3	618977	6787583	55943
3	618974	6787586	55900
3	618971	6787589	55895
3	618968	6787592	55902
3	618965	6787595	55902
3	618962	6787598	55931
3	618958	6787602	55927
3	618955	6787605	55960
3	618952	6787608	55914
3	618949	6787611	55927
3	618935	6787609	55898
3	618936	6787607	55854
3	618936	6787604	55890
3	618929	6787609	55609
3	618921	6787613	55787
2	619051	6787643	55811
2	619046	6787646	55890
2	619040	6787649	55937
2	619035	6787652	55959

2	619029	6787654	55957
2	619024	6787657	55982
2	619018	6787660	55611
2	619013	6787660	56063
2	619009	6787659	56049
2	619004	6787659	56000
2	619000	6787658	56011
2	618995	6787658	55991
2	618991	6787657	55980
2	618986	6787657	55962
2	618982	6787656	55872
2	618977	6787656	55882
2	618964	6787660	55886
2	618952	6787665	55849
2	618940	6787669	55990
2	618942	6787665	56031
2	618944	6787660	56058
1	619060	6787706	55842
1	619056	6787706	55897
1	619052	6787706	55955
1	619048	6787705	56013
1	619044	6787705	55976
1	619040	6787705	56020
1	619034	6787705	56015
1	619027	6787705	55999
1	619021	6787705	56022
1	619015	6787705	56053
1	619009	6787705	56049
1	619002	6787705	56043
1	618996	6787705	56021
1	618994	6787707	56047
1	618989	6787707	56001
1	618984	6787706	55983
1	618980	6787706	55911
1	618975	6787705	55911
1	618971	6787707	56060
1	618966	6787709	55930
1	618962	6787711	56030
1	618956	6787711	55991
1	618950	6787710	55936
1	618946	6787711	55944
1	618941	6787712	55943

2 mile lease

Line	easting	northing	uncorrect mag
1	619067	6787776	56018
1	619062	6787775	56023
1	619056	6787774	56004
1	619051	6787773	56089
1	619045	6787772	56064
1	619040	6787771	56071
1	619034	6787770	56044
1	619029	6787769	56043
1	619025	6787769	56035
1	619021	6787769	56014
1	619017	6787769	56037
1	619013	6787768	56002
1	618989	6787770	55984
1	618982	6787768	55951
1	618976	6787767	55963
1	618971	6787765	55940
1	618965	6787771	55910
1	618964	6787771	55840
1	618958	6787767	55941
1	618950	6787760	55883
1	618951	6787759	55893
1	618944	6787776	55935
1	618938	6787771	55900
1	618938	6787756	55872
2	618921	6787803	55977
2	618928	6787812	56009
2	618933	6787810	56052
2	618940	6787809	56064
2	618944	6787817	55995
2	618947	6787820	55992
2	618954	6787819	55964
2	618960	6787816	55952
2	618968	6787816	55929
2	618971	6787819	55931
2	618973	6787824	55938
2	618978	6787824	55942
2	618982	6787824	55957
2	618984	6787823	55981
2	618988	6787823	55978
2	618995	6787825	55975
2	619003	6787824	55942
2	619009	6787825	55868

2	619015	6787824	55818
2	619022	6787826	55814
2	619027	6787827	55893
2	619031	6787828	55944
2	619036	6787829	55981
2	619040	6787830	55961
2	619045	6787831	55935
2	619049	6787832	55929
3	618991	6787878	55912
3	618989	6787870	55988
3	618986	6787871	55936
3	618980	6787873	55941
3	618980	6787871	55955
3	618972	6787872	55992
3	618966	6787867	56002
3	618959	6787869	56012
3	618951	6787872	56021
3	618947	6787871	55985
3	618945	6787871	56010
3	618939	6787872	56005
3	618934	6787871	55991
3	618931	6787872	56008
3	618925	6787873	56006
3	618922	6787873	56001
3	618917	6787874	55985
3	618915	6787869	55933
3	618910	6787869	55905
3	618905	6787869	55987
3	618901	6787868	56031
3	618894	6787865	56032
3	618889	6787865	56042
3	618884	6787865	56037
3	618875	6787866	56044
3	618873	6787867	56026
3	618867	6787863	56032
3	618862	6787863	56025
3	618856	6787862	56026
3	618853	6787863	56020
3	618845	6787864	56021
4	618845	6787921	56029
4	618851	6787926	56034
4	618857	6787926	56048
4	618862	6787925	56054

4	618868	6787927	56058
4	618872	6787927	56124
4	618879	6787925	56033
4	618886	6787924	55882
4	618891	6787926	55874
4	618897	6787926	55956
4	618903	6787928	55975
4	618908	6787926	55942
4	618914	6787924	55985
4	618920	6787923	56009
4	618928	6787920	56034
4	618929	6787924	56004
4	618938	6787926	56022
4	618941	6787926	55973
4	618943	6787925	55979
4	618950	6787924	55925
5	618953	6787974	55984
5	618944	6787970	55955
5	618938	6787965	56006
5	618933	6787963	55961
5	618927	6787965	55972
5	618924	6787969	56015
5	618919	6787970	56040
5	618915	6787970	56089
5	618909	6787972	56055
5	618907	6787973	56095
5	618900	6787975	56080
5	618895	6787976	56074
5	618889	6787980	56050
5	618884	6787980	56071
5	618878	6787978	56087
5	618876	6787981	56081
5	618874	6787982	56078
5	618869	6787983	56066
5	618861	6787987	56046
5	618856	6787989	56045
5	618851	6787995	56060
5	618847	6787997	56053
5	618842	6788000	56045
6	618865	6788057	56022
6	618869	6788055	56038
6	618872	6788053	56012
6	618878	6788052	56021

6	618884	6788050	56082
6	618890	6788049	56064
6	618894	6788047	56084
6	618898	6788044	56066
6	618903	6788043	56077
6	618908	6788041	56109
6	618912	6788038	56095
6	618916	6788035	56104
6	618920	6788033	56051
6	618924	6788030	56075
6	618928	6788027	56124
6	618932	6788024	56062
6	618937	6788021	56071
6	618941	6788018	56070
6	618945	6788015	56052
6	618949	6788013	56079
6	618953	6788011	56103
6	618957	6788009	56101
6	618961	6788007	56025
6	618965	6788004	56047
6	618969	6788002	56084
6	618973	6787999	56062
6	618977	6787996	56013
7	619013	6788017	55880
7	619008	6788021	55950
7	619003	6788021	55995
7	618998	6788025	56013
7	618993	6788029	56026
7	618988	6788032	56142
7	618983	6788036	56123
7	618978	6788038	56120
7	618974	6788041	56213
7	618969	6788043	56146
7	618965	6788045	56060
7	618960	6788047	56086
7	618956	6788050	56070
7	618952	6788052	56071
7	618947	6788054	56080
7	618943	6788056	56106
7	618938	6788058	56120
7	618934	6788059	56106
7	618929	6788061	56092
7	618925	6788062	56085
7	618920	6788064	56069

7	618914	6788066	56106
7	618907	6788069	56097
7	618901	6788071	56082
7	618894	6788073	56055
7	618890	6788074	56030
7	618886	6788076	56023
7	618881	6788077	56037
7	618877	6788078	56002
7	618874	6788082	55980
7	618871	6788085	56010
8	618901	6788128	56104
8	618905	6788126	56097
8	618910	6788124	56111
8	618914	6788122	56120
8	618918	6788119	56129
8	618923	6788117	56130
8	618927	6788115	56128
8	618930	6788112	56114
8	618934	6788109	56111
8	618937	6788105	56115
8	618940	6788102	56120
8	618944	6788100	56114
8	618949	6788097	56116
8	618953	6788095	56180
8	618957	6788092	56101
8	618961	6788090	56113
8	618966	6788088	56075
8	618970	6788085	56094
8	618975	6788083	56094
8	618979	6788081	56089
8	618984	6788078	56076
8	618989	6788075	56182
8	618993	6788071	56115
8	618998	6788068	56162
8	619003	6788065	56144
8	619006	6788063	56121
8	619009	6788060	56150
8	619012	6788058	56179
8	619015	6788055	56179
8	619017	6788053	56044
8	619019	6788051	56090
8	619019	6788049	56023
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