Prospecting report, Hughes Range Property, Southeastern B.C.

NTS map sheet 082G/12

Centered at UTM 59700E and 5510000N

Fort Steele Mining Division

Claims:
615103, 703584, 954797, 954781, 954802, 954811, 954830,
954831, 954843, 954845, 954852

By

Sean Kennedy
2290 Dewolfe Avenue
Kimberley, B.C., V1A 1P5

BC Geological Survey
Assessment Report
33471

Claim owner:

Klondike Gold Corp.
711-675 W. Hastings Street
Vancouver, B.C., 1N2

Claim operator:

Klondike Gold Corp.
711-675 W. Hastings Street
Vancouver, B.C., V6B 1N2

November 25, 2012

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Introduction

During the field season of 2012 a program of prospecting and rock geochemistry was conducted on the Hughes Range property in southeast BC. The program was focused primarily on the Saugum Canyon and Herbert Creek areas, with some time spent on the eastern portion of the property near the historic Kootenay King mine. A surface grid, suitable for ground geophysical surveys, was also constructed.

The Northern Hughes Range has been traditionally explored for massive sulphide sedex deposits, similar to Sullivan and to the Kootenay King deposit in the eastern part of the Hughes Range property, but also for gold mineralization. Recently, PJX Resources Ltd. has been exploring immediately northeast of the property on a sediment-hosted gold target. Based on work for Klondike Gold Corp. this past summer, it is suggested that the Saugum-Herbert area may represent a large polymetallic, intrusive-related and structurally controlled system.

Photo 1: Looking southwest across the Rocky Mountain Trench; Saugum Canyon is prominent on the right hand side of the photo.

Location, access and physiography

The property is located approximately 20 kms northeast of the city of Cranbrook in southeastern BC (Figure 1). Access is provided by a number of forestry and range roads which branch off of highway 95 in the vicinity of Fort Steele, including the Wildhorse Creek Forest Service Road.

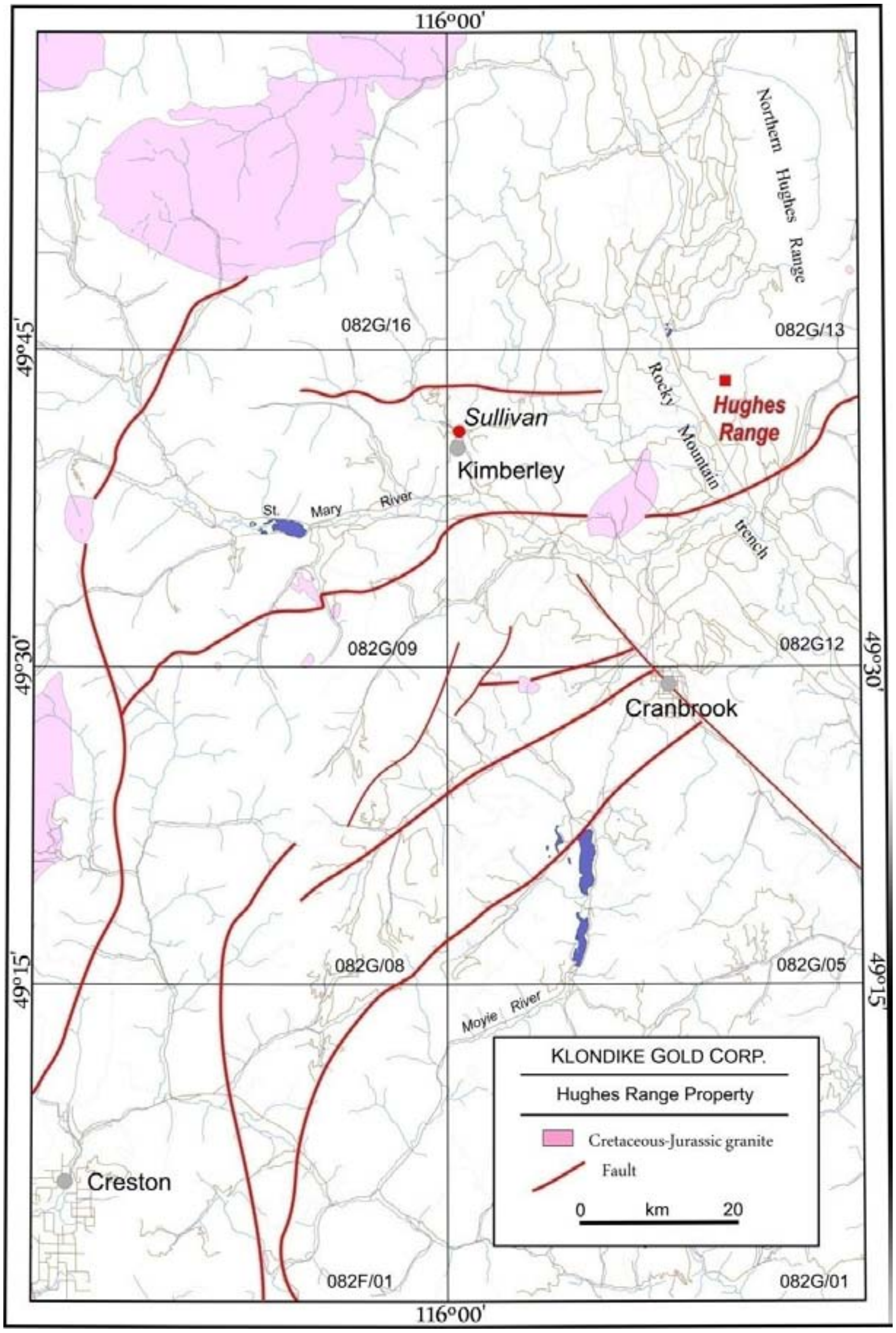

Figure 1: Hughes Range property location map, southeastern British Columbia; shown are major faults and Jurassic and Cretaceous intrusions.

The property is in the Northern Hughes Range, a sub-range of the Rocky Mountains. Topography ranges from rolling glacial covered slopes along the eastern edge of the Rocky Mountain Trench to steep alpine cirques and arêtes along ridgelines. Vertical relief is great ranging from 900 meters to over 2400 meters on mountain tops.

Forest cover is comprised principally of Douglas fir at lower elevations, spruce-balsam at higher levels along north facing wet aspects, and high elevation albicollis pine along dry slopes.

Property

The Hughes Range property includes 32 mineral tenures, listed in Table 1 and shown on Figure 2. The property also includes the Kootenay King Mining Lease (Tenure 212491). These tenures cover an area of approximately 5759 hectares, wholly owned by Klondike Gold Corp.

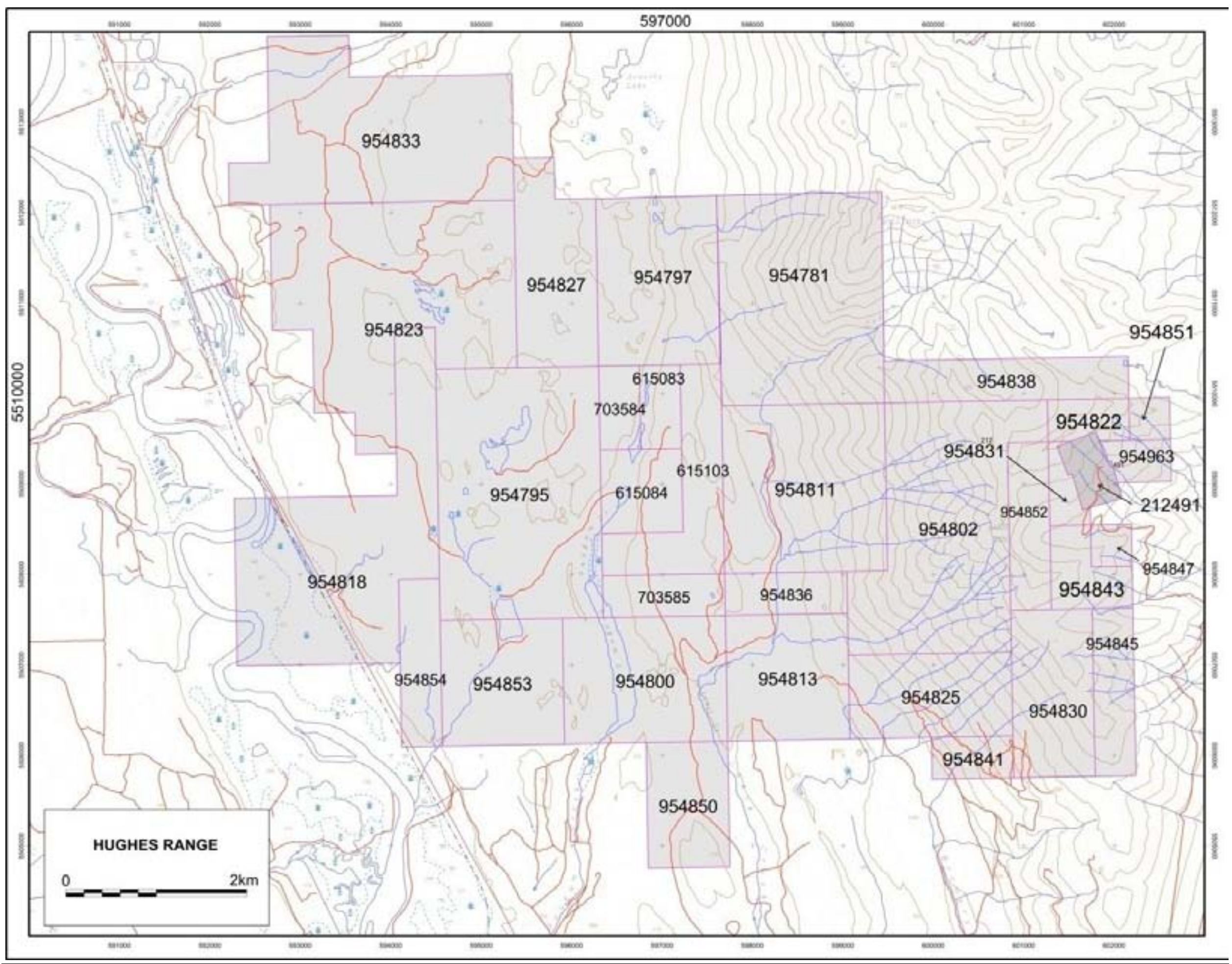

Figure 2: Hughes Range property claim location map. The list of claims is given in Table 1. Note that Tenure 212491 is a Mining Lease on the Kootenay King deposit.

Tenure	Claim name	Issue date	Good to date	Size (hectares)
954795	Cliff	2012/March/02	2013/Aug/30	501.39
954800	Cliff2	2012/March/02	2013/Aug/30	250.79
954802		2012/March/02	2013/Aug/30	438.73
954811		2012/March/02	2013/Aug/30	334.25
954813		2012/March/02	2013/Aug/30	188.09
954818	Cliff5	2012/March/02	2013/Aug/30	459.65
954822		2012/March/02	2013/Aug/30	41.77
954823	Cliff6	2012/March/02	2013/Aug/30	522.04
954825		2012/March/02	2013/Aug/30	167.19
954827	Cliff7	2012/March/02	2013/Aug/30	187.93
954831		2012/March/02	2013/Aug/30	41.78
954833	Cliff8	2012/March/02	2013/Aug/30	438.34
954836	Cliff9	2012/March/02	2013/Aug/30	62.69
954838		2012/March/02	2013/Aug/30	125.31
954841	Cliff10	2012/March/02	2013/Aug/30	41.80
954845		2012/March/02	2013/Aug/30	83.59
954847	Cliff11	2012/March/02	2013/Aug/30	20.89
954850		2012/March/02	2013/Aug/30	125.42
954851	Cliff12	2012/March/02	2013/Aug/30	20.89
954852		2012/March/02	2013/Aug/30	83.57
954853		2012/March/02	2013/Aug/30	188.10
954963		2012/March/02	2013/Aug/30	41.77
954843		2012/March/02	2013/Aug/30	62.68
615083	Sau	Aug 5, 2010	April 1,, 2019	41.78
615084	Sau 1	Aug 5, 2010	April 1,, 2019	83.57
615103	Sau 2	Aug 5, 2010	April 1,, 2019	146.24
703584	Sau 2	Jan 21, 2011	April 1,, 2019	41.78
703585	Sau 3	Jan 21, 2011	April 1,, 2019	62.69
954797	Bonzai! 2	2012/March/02	2013/Aug/30	250.59
954781	Bonzai!	2012/March/02	2013/Aug/30	417.65
954854	Cliff15	2012/March/02	2013/March/02	83.59
954830		2012/March/02	2013/Aug/30	167.18
212491		1970/Jan/08	2013/Jan/08	35.27

Table 1: Hughes Range property, list of mineral tenures; locations are shown in Figure 2; note tenure 212491 is a Mining Lease

Exploration History

The property has limited documented exploration history. Prospecting, rock geochemistry, and geological mapping have been completed on portions of the property within the last twenty years (Klewchuck, 1990; Höy, 2010). Older workings that likely date back to the early 1900s are located around Herbert Creek. The most development on property is on the historic Kootenay King Pb-Zn-Ag mine (BC Minfile 082GNW009) located on the east side of the property. It mined 13,260 tonnes of silver-lead-zinc ore in the early 1950s.

Regional Geology

The Hughes Range property is underlain by clastic Belt-Purcell metasediments of Proterozoic age. Stratigraphy in the Northern Hughes Range includes the shelf equivalents of the Lower and Middle Aldridge formations located west in the main part of the basin (Höy, 1993). The lowermost exposed unit, and the base of the Belt-Purcell in this area, is the Ft Steele Formation, a dominantly quartzitic package deposited in a fluviatile-deltaic environment. Overlying this are the Hughes Range subdivisions of Lower and Middle Aldridge equivalent metasediments; these include units A1 A through A1 F. These are a mixture of laminated siltstone, chert-dolomite, graphitic mudstone, argillite and quartzite. Middle Aldridge Formation sediments similar to those in the rest of the basin are not recognized until approximately Meadowbrook Time, in a stratigraphic section which can be correlated across the Aldridge basin.

Intruding the sediments are syngenetic gabbro and diorite sills and dykes termed Moyie intrusions. Locally these intrusions are important engines for driving hydrothermal fluids and often are associated with base metal mineralization and fragmental development. Later intrusions include felsic and lamprophyre suites which are believed to be Cretaceous-Tertiary in age. Rare carbonatite/diatreme dykes are scattered throughout the region.

Structurally, the claims cover a major northwest trending overturned fold known as the Wildhorse anticline. The axial plane of the fold dips moderately to the west. The entire package is faulted by transverse (60-90 degree) faults which have been active since the Proterozoic (as evidenced by drastic changes in sedimentation across them). These faults have been reactivated throughout geologic time, likely extending into the Tertiary, and are important loci for mineralization and alteration. Late stage Tertiary normal faults parallel to the hinge of the Wildhorse Anticline (possibly including the Rocky Mountain Trench Fault) are located on the property.

Prospecting and Rock Geochemistry

The 2012 prospecting program focused primarily on the Saugum Canyon and Herbert Creek areas. Saugum Canyon is a major north-south linear feature immediately west of the front-range of the Northern Hughes Range. Klewchuck (1990) and Höy (2010) describe previous results of geological mapping and sampling of mineralization in the immediate area of the canyon. The canyon itself is a steeply incised narrow feature less than 300 meters across with a vertical relief in excess of 140 meters. There is no outcrop on the canyon floor, indicating a depth greater than the 140 meter that the walls indicate. During the program six major observations were made:

1. In the Saugum-Herbert areas quartz sulphide veins containing Pb-Cu-Ag-Au-Mo-Bi-Te are wide spread and related to large zones of hornfelsed and calc-silicate altered sediments suggestive of an intrusive system at depth.
2. Hornfelsing, calc-silicate alteration, mineralization, and small scale felsic to mafic Cretaceous-Tertiary bodies are restricted to a broad 60 degree trending corridor centered approximately on Herbert Creek; this feature may be related to older Proterozoic growth faults.
3. Changes in bedding attitude are reflected along this 60 degree trend.

4. Based on strike and dip information from Cretaceous-Tertiary dykes the corridor is likely dipping moderately to the north.
5. Widespread copper sulphides that are hosted in re-crystallized quartzites north of the corridor may then overly the dip of the system at depth.
6. Several structural orientations are recognized within this zone, including NNW trending faults that parallel the Wildhorse anticline, an inferred NNE fault that defines Saugum Canyon, and NW trending dykes that parallel faults; the intersections of these structures, within the broad NE trending corridor, appear to have controlled the distribution of vein mineralization.

Based on these observations, the Saugum-Herbert area may define a carapace above a buried intrusive system which may have driven fluids responsible for mineralization and alteration noted at surface. The requirement then becomes to define a structural trap which would allow for deposition of economic mineralization. It is hypothesized that such traps will occur at structural intersections of NNW Tertiary structure with 60 degree trending Proterozoic-Cretaceous-Tertiary structures.

Property geology

Saugum Canyon consists of large cliffs with bands of Ft Steele Formation quartzite and lesser argillite/phyllite. A detailed map showing structures and rock types is shown in Figure 3 (attachment). The sediments are interpreted to have been deposited in a fluvial-deltaic sequence and include thick bands of cross-bedded quartzite. Quartzite cycle tops are generally comprised of phyllitic siltstone which often host quartz-sulphide veins. Interbedded argillaceous limey mudstone deposits are developed in the quartzite. These deposits can be thicker than 10 meters but have limited size and tend to pinch out quickly. Along the front-range, above Herbert Creek, the Fort Steele becomes thinner bedded with quartzite and argillite. Bedding trends north-south and dips gently to the east on the north half of the canyon; there is a marked change near the middle of the canyon where northwest-southeast striking and southwester dipping sediments dominate. This change in bedding is localized near a number of felsic intrusions and may indicate doming of the sediments above a larger buried stock.

Alteration and mineralization

Alteration and mineralization within the Ft Steele Formation are widespread. All samples, with gold values, are plotted in Figure 4 (attachment), their UTM coordinates and descriptions are listed in Appendix 3 and analyses in Appendix 4. Location and analyses of selected samples are shown in Figure 5 The quartzites are often mottled with chlorite, hematite, goethite, sericite, and carbonate alteration, similar in some respects to solution roll-fronts. This alteration, more common on the north half of the canyon, is related to large zones of disseminated and fracture-controlled copper mineralization hosted primarily in medium to thick bedded glassy (re-crystallized?) quartzite. Copper mineralization (chalcopyrite, bornite, native copper) occurs as stratabound disseminations often replacing and filling the matrix between quartz grains. Lateral continuity of these stratabound occurrences is difficult to trace due to topography; however the area hosting anomalous copper is large (> 2 km x 500 meters) and remains open to the north and west. Copper occurs in the entire section, exposed in the canyon for a vertical extent in excess of 140 meters. The highest copper value returned from this style of mineralization was 0.74% (Sample SKKG-20, Appendices 3 and 4).

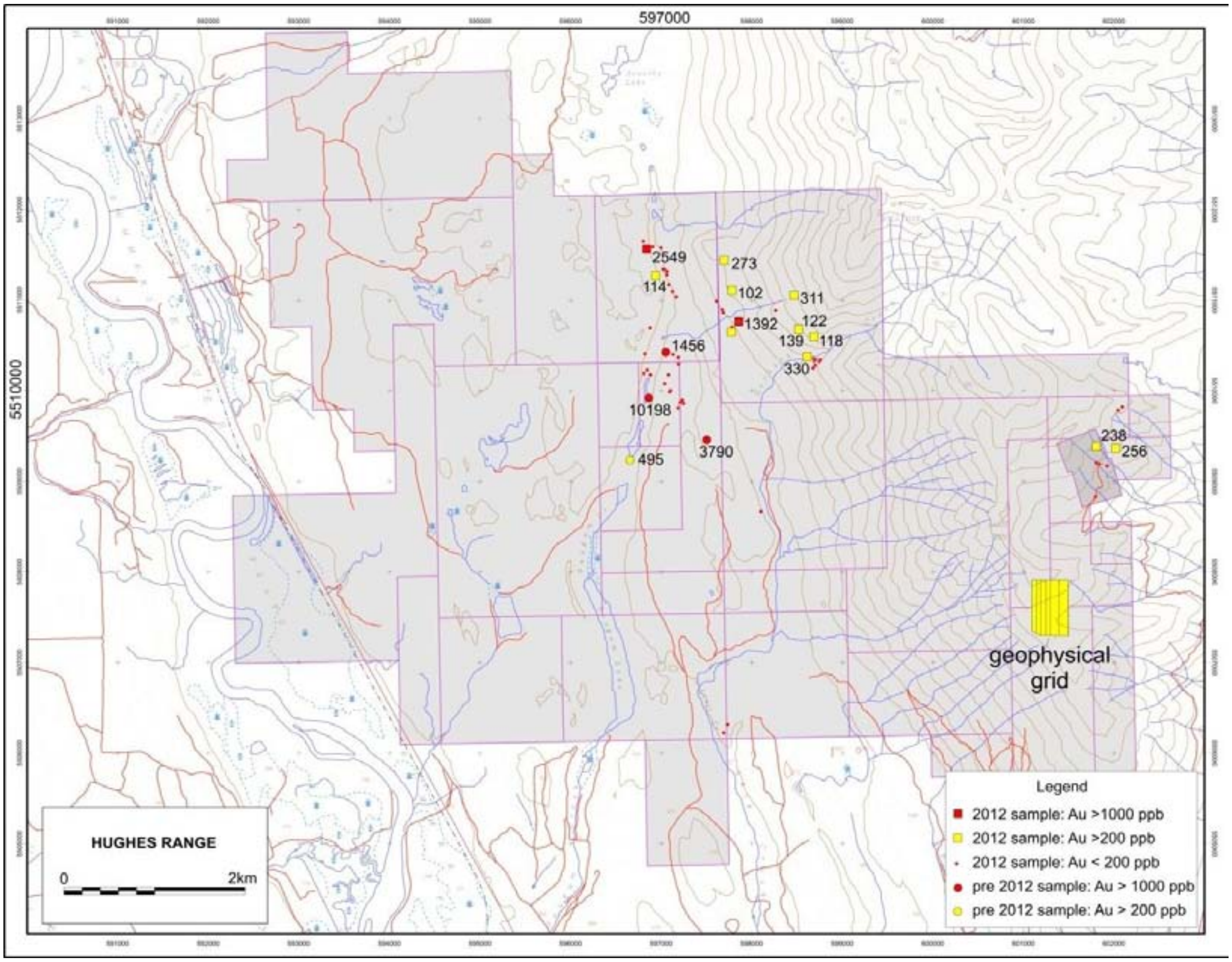

Figure 5: Summary map showing location of all rock samples, and location and gold analyses of all samples with values > 200 ppb Au and > 1000 ppb Au. Locations and descriptions of samples are given in Appendix 3, analyses in Appendix 4 and plotted in a detailed map in Figure 4. Also shown are samples collected by S. Kennedy in 2004 (internal Klondike Gold Corp. report) and described in Höy (2010).

Quartz veins in quartzite cycle tops and bedding planes are common in much of the Ft Steele Formation in the Saugum Canyon and Herbert Creek areas. These veins can 'stack' over widths in excess of 10 meters and are often enriched in base and precious metals and related to zones of calc-silicate, silicification, hornfelsing, carbonate, and sericite alteration. The highest value for gold returned from the program (SKKG-21, 2.5 g/t Au) was from quartz vein float from one of these cycle top veins. Lateral continuity of veins along bedding planes is questionable as topography makes tracing them difficult; however, some zones appear to be continuous in excess of 300 meters. Anomalous values for Au, Ag, Cu, Pb, Mo, Bi, and Te were returned from these veins.

Photo 2: Copper mineralization (rusty spots) developed parallel to bedding in Ft Steele quartzite.

Photo 3: Stacked bedding parallel quartz-sulphide veins hosted by Ft. Steele Fm north of Herbert Creek; note malachite stain in bottom right of outcrop.

Cross-cutting structure and associated mineralization are developed in the Ft Steele Fm in a number of locations, particularly in the Herbert Creek area. At the Try Again workings (BC Minfile 082GNW017) quartzite and argillites are sheared and brecciated along a northwest trending structure (160/40-50 W). The orientation of the fault is parallel to the trend of the hinge zone of the large Wildhorse Anticline, a major overturned fold structure that is cored to the east, as well as the Rocky Mountain Trench Fault. The Try Again structure has some offset and has been intruded by late mafic and felsic dykes. The fault appears to pinch and swell with intense quartz-sulphide veins and stockworks developed over widths in excess of 2 meters. The sediments are host to widespread disseminated copper mineralization adjacent to the structure (similar in style to the disseminated showings in Saugum Canyon). Copper values over 1% and anomalous Au and Ag were returned from the Try Again (Samples MKKG-29, Appendices 3, 4). A zone of stacked quartz-sulphide veins are located up slope of the Try Again and may be related to this structure. These veins have been partially exposed by old prospecting pits. North, across Herbert Creek from the Try Again, a structure occurring along the hinge zone of folded quartzite and argillite is exposed. Quartz veins occupying the fold hinge contained appreciable amounts of galena. The vein system appears to be traceable across the slope for approximately 400 meters with exposed widths greater than 1.5 meters. Assays from the vein system returned >1% Pb, 92.7 ppm Ag, anomalous Au, Cu, Mo and Bi (Sample SKKG-31, Appendices 3, 4).

In the Saugum-Herbert areas the Ft Steele Fm has been intruded by Proterozoic Moyie gabbro-diorite sills and dykes, the largest of which is a thick sill near the base of the front-range at Grundy Knob. Locally, the gabbro has skarned the host sediments with a calc-silicate assemblage and in one location strong albite alteration was present in the sill hanging wall. The sill was seen to have small offsets along east-west oriented faults with minor right lateral movement. An east-west oriented dyke is located in the footwall of the sill in the north part of Saugum Canyon near where some of the stronger copper mineralization in quartzites is developed. The dyke has a width in excess of 15 meters and has locally chloritized the host quartzite. Later narrow gabbro dykes, compositionally similar to the Moyie intrusions, including a fine grained magnetic variety, occupy structures oriented north-south and east-west. These dykes can be strongly carbonate altered and locally contain quartz-carbonate veins with base metal sulphides and oxides.

Other intrusions in the area are mainly Cretaceous-Tertiary (?) felsic dykes, sills, plugs and irregular shaped 'pods'. Although of variable orientations, the intrusions mainly occur within the approximately 1.3 km wide, 060 degree trending corridor that is oriented parallel to Herbert Creek (Figure 6). This trend is parallel to many of the transverse paleo-Proterozoic growth faults in the area and may represent Cretaceous-Tertiary resurgence along an older structure. The zone is marked by the abrupt changes in bedding in the Saugum Canyon area described above. Felsic intrusions include quartz-monzonites, syenite porphyries, and aphanitic felsites. These intrusions generally are oriented east-west and northeast with moderate to steep north dips. A compositionally distinct dyke containing hornblende phenocrysts in quartz-feldspar matrix was noted in a few locations. Often the margins of the intrusions have incorporated country rock as angular rip-up clasts. Narrow tabular dykes were often traced where they would widen out becoming irregular bulbous bodies before pinching down. Mineralization associated with these intrusions includes base metal sulphides and oxides in quartz veins and altered wallrock. Alteration assemblages related to these intrusions include a zone of calc-silicate alteration (chlorite-epidote-biotite), local potassic (k-spar, ratty biotite), sericite, Fe-carbonate, and siliceous hornfels. Pebble dykes consisting of rounded sediment cobbles supported by a felsic(?)/siliceous matrix occur within the larger 60 degree trending zone of intrusions (Photo 4). These dikes appear to be associated with the felsic intrusions and are developed at high angles to bedding as well as parallel to bedding (Photo 5). They are distinct from the dikes that have incorporated wallrock into their margins producing well rounded clasts.

A suite of lamprophyre dikes intrudes the sediments, mainly within the 60 degree trending zone described above. These dykes are likely Cretaceous in age and are comprised dominantly of biotite. They tend to pinch and swell and are generally oriented north-south.

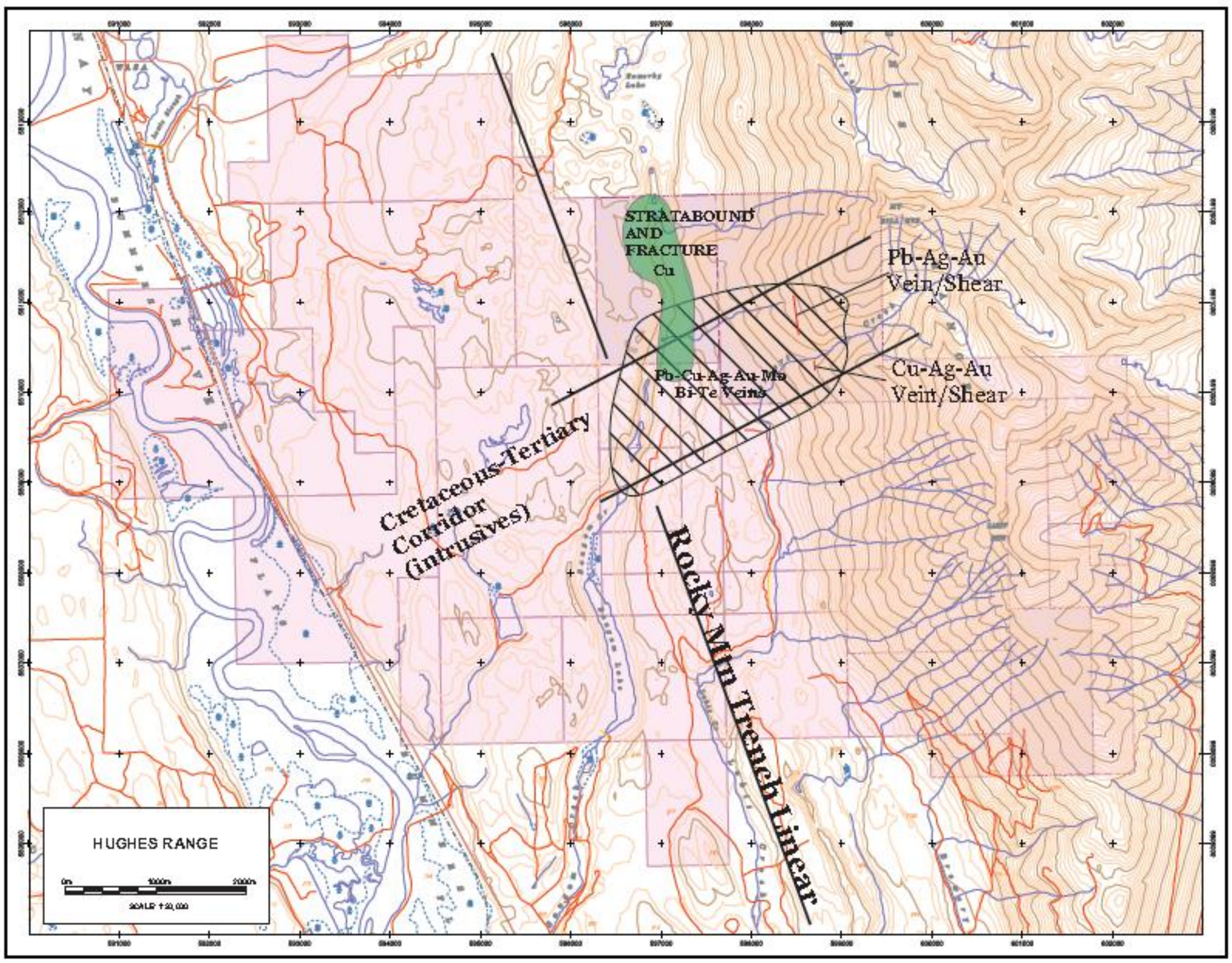

Figure 6: "The Big Picture" – regional structures and mineralizing trends.

Photo 4: Pebble dyke; rounded sediment clasts in a siliceous matrix.

Photo 5: Syenitic dyke float with angular sediment rip-up clasts.

Prospecting on the east side of the property was focused near the historic Kootenay King Pb-Zn-Ag deposit (BC Minfile 082GNW009). Here the host Middle Aldridge sediments are exposed within the hinge zone of the Wildhorse Anticline. Bedding is generally steep to vertically dipping with zones of 'm' folding developed internally within the stratigraphy. Numerous felsic intrusive bodies are exposed in this area, most appear as erratic pods. Locally the intrusions have hornfelsed the country rock and remobilized sulphides in the form of rusty pyrrhotite blebs. Sulphide rich quartz veins and stockworks associated with this alteration are developed primarily in coarse grained quartzite beds belonging to Unit A1E of the Aldridge Formation. Chalcopyrite and galena were found within these veins.

<u>Geophysical grid</u>

A small grid, suitable for ground geophysics (VLF-EM and Mag), was flagged and blazed along the Hughes Range ridge line south of Lakit Mountain (Figure 5). Seven north-south lines were created, approximately 600 meters in length. The five western lines were 50 meters apart and the two eastern lines, 100 meters apart. The grid was established with the intension of conducting a ground geophysical survey to test for possible structures that may have been related to gold mineralization and to test for the possibility of near-surface sedex style mineralization. Due to a cut-back in funding in the 2012 field season, this program has been postponed.

<u>Conclusions and Recommendations</u>

During the summer of 2012 a program consisting of prospecting and rock geochemistry was conducted on the Hughes Range property in southeastern BC. It is concluded that the Saugum-Herbert area may represent a large polymetallic, intrusive related and structurally controlled system. Prospecting identified large zones of copper mineralization hosted in quartzites of the Fort Steele Fm in the Saugum Canyon and Herbert Creek areas. Numerous small intrusive bodies and associated alteration were mapped and a 60 degree trending zone of structural activity and mineralization was identified. Widespread quartz-sulphide mineralization along this zone is likely a product of Cretaceous-Tertiary resurgence along an older paleo-Proterozoic structure. Bedding attitude changes in the central portion of Saugum Canyon are noted to coincide with this 60 degree trend and may reflect 'doming' of the host sediments above an intrusive body at depth. Alteration and mineralization along this trend is therefore likely located in the carapace of this intrusive system. In the Saugum-Herbert areas late stage (Tertiary) cross-cutting structures were found to control base and precious metal mineralization.

It is recommended that detailed geological mapping and rock sampling programs are undertaken to further define structural and mineralogical relationships. Ground based geophysics (mag-VLF EM) should be utilized on the flats above the canyon to help define structure. Based on these programs targets should be prioritized and diamond drilling should be undertaken in an attempt to define a structurally controlled poly-metallic mineralized system.

Acknowledgements

I would like to thank M. Kennedy for helping in prospecting and sample collection. BA Belton prepared the geophysical grid. The Hughes Range project is managed by Trygve Höy.

References

B.C. Geological Survey (2012): MINFILE BC mineral deposit database; B.C. Ministry of Energy and Mines.

Höy, T. (1993): Geology of the Purcell Supergroup in the Fernie west-half map area, southeastern B.C.; *B.C. Ministry of Energy and Mines*, Bulletin 84.

Höy, T. (2010): Geology of the Saugum gold property, northern Hughes Range, Southeastern British Columbia; *B.C. Ministry of Energy and Mines*, Assessment report 31,711, 20 pages.

Klewchuk, P. (1990): Assessment report on rock geochemistry, Dan claims, Saugum Creek; *B.C. Ministry of Energy and Mines*, Assessment report 20,103.

Appendix 1:
Statement of Costs

Prospecting, rocks sampling (S. Kennedy): 10 days @ $350/day	$3500.00
Prospecting, rock sampling (M. Kennedy): 10 days @ $350/day	$3500.00
Vehicle rental: 10 days @ $150/day	$1500.00
Sample analyses: 73 samples @ $30/sample (including freight)	$2190.00
Geophysical grid preparation; flagging, line cutting	
BA Belton: 5 days@ $400/day	$2000.00
Vehicle rental: 5 days @ $100/day	$500.00
Food and accommodation:	$864.00
Report preparation: (S. Kennedy and T. Höy)	$1800.00
Administration	$2023.00
Total expenditures:	**$17877.00**

Appendix 2:
Statement of Qualifications

I, Sean Kennedy, certify that:

1. I am an independent prospector residing at 107-6th Ave, Kimberley, BC.

2. I have been actively prospecting throughout BC, Nevada, Mexico, and Arizona for the past 15 years.

3. I have been employed as a professional prospector by junior mineral exploration companies.

4. I own and maintain mineral claims in BC.

5. I worked on the Hughes Range property, prospecting and collecting samples, for 10 days in May, June and July, 2012.

6. I am responsible for the preparation of this report entitled, **Prospecting report, Hughes Range Property, southeastern British Columbia**, dated November 25th, 2012

Dated this 25th day of November, 2012

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Sean Kennedy

Appendix 3:
Sample locations and descriptions

Notes:

- All samples collected by Sean Kennedy (SKKG series) or Michael Kennedy (MKKG series) in 2012.
- Analyses are presented in Table 4, and locations plotted in Figure 3.
- All samples are selected grab samples, from float, outcrop or subcrop, as noted.
- Abbreviations used:

oc – outcrop	Ft – Fort Steele Formation	F – float
sc – subcrop	diss – disseminated	alt – alteration
bx – boxwork	pbs – galena	cpy – chalcopyrite
py- pyrite	qtz – quartz	carb - carbonate

sample	UTM E	UTM N	Description
MKKG 001	598269	5505173	Sc of 3 inch pieces of qtz,carbonate rock with
MKKG 002	598277	5505194	Sc of qtz veins 1 cm wide with lim/hem staining
MKKG 003	598182	5505289	Oc of 320 degree trending ,10 by 2 metre wide zone of sheared qtzite with Cpy fractures.
MKKG 004	598184	5505288	Same zone as Mkkg-3
MKKG 005	597945	5505639	Oc of Ft St qtzites with small fractures of Py/Cpy.
MKKG 006	597811	5506029	Out crop of lamprophyre dike 350 degree trending vertical or sheared folded sill with 1 foot zone of qtz, carb breccia with Cpy/lim/yellow stain.
MKKG 007	597818	5506033	Same as Mkkg-6 area
MKKG 008	597250	5509860	Oc of 90 degree E trending syenite dikes; small 2 inch qtz veins with iron stain/lim yellow stain 180/40 toW
MKKG 009	597188	5509809	Oc of 1 metre zone of syenite dike fractures trending 10 degrees; good 4 inch qtz bx with Pbs/Py/lim.
MKKG 010	597206	5509868	Oc of syenite with 60 degree trend with small pbs qtz veins
MKKG 011	597214	5509868	Oc of syenite with 60 degree trend with small pbs qtz veins also metallic looking needles bismith?and on trend from mkkg-10/11
MKKG 012	597214	5509873	Oc of syenite with 60 degree trend with small pbs qtz veins
MKKG 013	597234	5509895	Sc qtz vein material on road with cpy/malachite stain /lim boxworks/pbs. Close to lamprophyre Oc.
MKKG 014	597192	5510293	Oc with N trending steep fracts with Malachite staining and lim.
MKKG 015	597190	5510366	Oc of 70 degree trending breccia dike 1 to 2 metres wide, cutting through Ft St qtzites with felsic/qtzite fragments some rounded and lim staining.
MKKG 016	597127	5511094	Oc of 2 inch qtz vein with Cpy/malachite stain.
MKKG 017	597086	5511169	Sc Talus boulders from cliffs above of qtzite with Cpy/bornite
MKKG 018	597039	5510078	Oc 135/35 sw with podiform pbs/cpy in a 2 inch qtz vein.
MKKG 019	596882	5510174	Oc of phyllitic seds between qtzite with pbs in small veins
MKKG 020	596904	5511594	In talus abundant F with cpy, 1/2 foot slabs
MKKG 021	596909	5511590	2 by 2 foot piece of qtzite F in talus with cpy/bornite/native cu
MKKG 022	597774	5510655	Old dump with cpy/lim/yellow stain /pbs in qtz
MKKG 023	597856	5510757	1 and a half foot bedding conformable qtz vein with pbs/cpy in old workings, 0/20 trend
MKKG 024	598265	5510884	8 inch comformable qtz vein with pbs, 40/25 trend
MKKG 025	598605	5510374	45/30 trending qtz vein with pbs/lim/py, some brecciation
MKKG 026	598683	5510354	1 metre piece of f from try again workings with py/cpy

MKKG 027	598702	5510331	160/25 fault zone sheared seds with qtz/lim/copper stain, 1 metre chip
MKKG 028	598699	5510331	160/25 fault zone sheared seds with qtz/lim/copper stain, 1 metre chip addit east of Mkkg-27
MKKG 029	598712	5510328	Try Again dump sample qtz with cpy/hem/boxworks
MKKG 030	598697	5510354	1 and a half metre composite chip sample with qtzite, qtz and cpy
MKKG 077	602045	5509783	Float a few pieces of Qtz with lim/py
MKKG 078	602092	5509820	Sc of lim rich qtz veins in a fractured qtzite.
MKKG 079	601794	5508830	On road cut small up to 3 inch qtz veins with pbs, cpy, py, lim over a few feet in Outcrop.
SKKG 004	597732	5506313	Qtz-lamprophyre breccia, goethite, chlorite, tourmaline needles, carbonate
SKKG 005	597691	5506225	Cycle top qtz vein breccia, goethite, sericite, Fe-carbonate, phyllite
SKKG 006	598100	5508661	Qtz vein bx float train, py, sericite, carbonate, PbS, malachite, numerous pieces, in sugary qtzite
SKKG 007	597113	5509999	1 meter composite across qtz monzonite, pyrite rich strong carbonate alteration, qtz with pyrite, sericite
SKKG 008	597101	5509984	Qtz monzonite bx, incorporating Ft St Fm along its margin, malachite stain, qtz, pyrite/hematite, boxworks, goethite, biotite, ankerite
SKKG 009	597118	5510402	Pebble dyke float train, qtz with hematite, sericite, and goethite
SKKG 010	597161	5511027	20 cm wide qtz vein with sericite, goethite, pyrite, in Ft St, may be a cycle top vein
SKKG 011	597062	5511279	Cycle top vein in Ft St fm, sericite, goe, PbS, vein is 8 cm wide
SKKG 012	597043	5511334	Float train of silicified qtztie up to 1 meter thick, disseminated py/Cpy, bornite, malachite, some fracture mineralization with chlorite alteration, Cpy occurs as clots/blebs in the cement
SKKG 013	597018	5511340	Same as last, in float, multiple beds some over 2 m thick, copper is well developed in stratabound lenses up to 4 cm wide
SKKG 014	596942	5511263	Cycle top vein with sericite, carbonate, py/PbS, malachite, Cpy
SKKG 015	596864	5510233	Pebble dyke boulders silicified, pyrite rich, yellow and pink stained
SKKG 016	596810	5510195	Hornfelsed qtzite adjacent to a felsite dyke, silicified, disseminated py, cpy, bornite
SKKG 017	596821	5510406	Phyllitic cycle top zone, 1 meter wide, sheeted qtz veins with py, PbS, sericite, hematite
SKKG 018	596879	5510693	1.5 meter wide qtzite bx, pyrite, carbonate, altered lamprophyre clasts, zone is roughly 30/90 trend
SKKG 019	596883	5511589	Glassy qtzite boulders with disseminated and fracture Cpy/bornite, native copper, malahcite staine, fractures have qtz, chlorite, goethite, and Cpy
SKKG 020	596803	5511649	Same as last, in float, multiple beds some over 2 m thick, copper is well

			developed in stratabound lenses up to 4 cm wide
SKKG 021	596846	5511558	Qtzite with qtz veins with Cpy, PbS, float, outcrop has thin qtz-kspar veins
SKKG 022	597066	5511315	1 meter wide zone of bedding parallel cycle top qtz veins with py, PbS, Cpy, and sericite
SKKG 023	597687	5510861	Gabbro fractured/sheared with epidote alteration, hematite, qtz with kspar, Cu limonite, malachite stain, zone is 30/90
SKKG 024	597676	5510894	15-20 cm wide rusty qtz shear cutting gabbro, related to a thin felsic dyke, qtz along it's margin, goethite, pyrite, sericite, sample is of a 0/38 qtz vein with pyrite, goethite, sericite, chlorite, thin veins are stacked every 2.5 meters
SKKG 025	597614	5510985	30 cm wide rusty goethite rich qtz vein in gabbro, vein is 40/28
SKKG 026	597783	5511102	Ft St qtzite bx float, goethite/hematite boxworks, qtz veins with k spar, matrix appears to be a felsic intrusive
SKKG 027	597692	5511431	Float in Ft St talus, cycle top veins with goethite and bismuth?
SKKG 028	597782	5510700	Qtz vein with PbS, Py, Cpy in old bs pile, some kspar
SKKG 029	598473	5511050	argillic/chlorite altered qtz vein bx, goethite, PbS, chlorite, could be an altered greenstone
SKKG 030	598683	5510588	Fault zone in Ft St , altered syenite dyke, pyrite, carbonate, qtz, >1 m wide, fault is 45/70
SKKG 031	598520	5510675	1.5 meter wide qtz stockwork with PbS/ZnS, carbonate and pyrite, veins are 0/50
SKKG 032	598502	5510665	Syenite porphyry sill, qtz veins with pyrite, hematite
SKKG 033	598678	5510251	White Ft St qtzites with chlorite alteration, disseminated/fracture controlled Cpy/malachite
SKKG 034	598702	5510280	Qtz vein float in lensey zones, pyite, carbonate, PbS, malachite
SKKG 035	598747	5510323	Rusty qtz vein in argillaceous Ft St, PbS, pyrite, subparallel to bedding
SKKG 036	598694	5510327	Try Again working, silicified fine grained orange-pink Ft St qtzite, 1.5 meter composite of goethite rich qtz with pyrite and phyllitic altered tops
SKKG 037	598757	5510342	1.5 meter wide stacked bull qtz veins with goethite, pyrite, PbS, veins are 20/42
SKKG 096	601841	5509183	Flat phyllitic sheared cycle tops with qtz veins with Fe carbonate and pyrite
SKKG 097	601801	5509387	15-20 cm wide qtz vein in qtzite, PbS, Cpy, pyrite, malachite, old pit. Some stockwork qtz zones with pyrite are developed
SKKG 098	602023	5509366	Old pits on rusty qtz vein material with fractures carbonate and pyrite alteration, sericite
SKKG 099	601925	5509169	strongly fractured and quartz veined Kootenay King quartzites, sample of goethite rich veins, good boxworks
SKKG 100	601805	5509201	Same as last
SKKG 117	596997	5511579	Bleached k spar altered breccia in Ft St next to gabbro dyke, Cpy and malachite

Abbreviations: oc - outcrop; Ft St - Fort Steele Fm; F - float; sc - subcrop; diss - disseminated; alt - alteration; bx - boxwork
lim - limonite; pbs - galena; cpy - chalcopyrite; pyrite - pyrite; quartz; carb - carbonate;

Appendix 4:

Analyses of samples

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Klondike Gold Corp.**
711 - 675 W. Hastings St.
Vancouver BC V6B 1N2 Canada

Submitted By:	Iain Mitchell
Receiving Lab:	Canada-Vancouver
Received:	August 27, 2012
Report Date:	October 05, 2012
Page:	1 of 4

CERTIFICATE OF ANALYSIS VAN12004043.2

CLIENT JOB INFORMATION

Project:	Hughes Rarge
Shipment ID:	
P.O. Number	
Number of Samples:	66

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	64	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	64	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
7AR	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 7AR-Cu included.

Invoice To: Klondike Gold Corp.
711 - 675 W. Hastings St.
Vancouver BC V6B 1N2
Canada

CC:

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Klondike Gold Corp.**
711 - 675 W. Hastings St.
Vancouver BC V6B 1N2 Canada

Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
G1	Prep Blank	<0.01	0.1	2.0	2.9	49	<0.1	4.0	4.2	570	2.02	<0.5	1.6	4.3	62	<0.1	<0.1	<0.1	32	0.40	0.075
G1	Prep Blank	<0.01	<0.1	1.6	3.1	50	<0.1	4.9	4.9	591	1.94	<0.5	<0.5	4.9	65	<0.1	<0.1	<0.1	34	0.45	0.072
SKKG 4	Rock	0.61	0.2	21.2	2.2	2	<0.1	4.4	4.5	178	0.77	0.6	<0.5	<0.1	2	<0.1	<0.1	0.2	4	0.12	0.008
SKKG 5	Rock	0.62	0.9	36.1	25.6	31	0.3	24.6	16.3	389	1.75	4.5	6.8	21.0	349	0.9	<0.1	0.6	6	3.81	0.020
SKKG 6	Rock	0.60	35.5	42.0	1164	355	6.3	3.7	3.4	141	0.89	0.9	42.0	2.1	10	4.1	<0.1	36.2	<2	0.06	0.004
SKKG 7	Rock	0.75	0.5	32.7	55.0	8	0.5	2.2	1.9	83	1.79	0.8	75.1	1.5	36	0.1	<0.1	3.0	3	0.03	0.030
SKKG 8	Rock	0.49	1.0	2271	865.3	12	3.4	6.9	4.6	361	2.87	0.6	33.4	2.7	40	0.5	<0.1	5.6	3	0.15	0.060
SKKG 9	Rock	0.71	1.2	47.8	58.2	31	0.2	5.0	1.1	65	1.08	3.1	5.2	2.1	10	0.1	<0.1	1.4	20	0.02	0.012
SKKG 10	Rock	0.51	12.7	29.7	9.2	6	0.1	43.3	25.7	177	2.58	43.2	8.0	8.4	12	0.1	0.7	2.1	18	0.08	0.034
SKKG 11	Rock	0.60	7.4	27.8	826.7	26	1.7	13.8	6.4	79	1.03	3.7	272.2	6.5	17	0.4	2.3	2.2	5	0.16	0.043
SKKG 12	Rock	0.89	0.8	323.8	20.1	6	0.2	5.9	3.1	47	0.69	1.6	23.7	1.1	3	<0.1	0.1	0.4	3	0.02	0.006
SKKG 13	Rock	0.62	0.2	547.9	5.5	6	0.2	4.5	13.6	62	0.83	19.3	8.3	1.4	1	0.2	<0.1	<0.1	<2	<0.01	0.003
SKKG 14	Rock	0.55	6.8	363.1	974.7	2	7.8	6.3	9.0	80	0.64	1.4	46.5	5.7	7	0.4	0.2	21.3	3	0.03	0.008
SKKG 15	Rock	0.95	1.5	29.7	23.8	9	0.3	15.0	3.5	72	1.09	0.9	5.2	5.6	11	<0.1	<0.1	1.5	13	0.04	0.013
SKKG 16	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SKKG 17	Rock	0.52	31.8	21.6	6316	5	3.0	8.2	3.3	126	1.09	<0.5	32.4	1.9	31	1.9	0.2	3.0	10	0.14	0.003
SKKG 18	Rock	0.52	466.6	54.1	169.4	43	0.5	20.8	15.5	94	2.34	6.4	48.0	5.3	61	0.3	0.3	4.9	64	0.09	0.061
SKKG 19	Rock	0.92	4.6	2417	110.3	8	1.6	9.9	21.1	45	0.86	52.2	18.7	1.4	3	0.5	<0.1	1.8	<2	<0.01	0.004
SKKG 20	Rock	0.86	1.5	7442	39.4	36	4.2	41.3	122.8	49	1.66	127.0	53.3	1.4	2	1.8	0.1	3.7	<2	<0.01	0.003
SKKG 21	Rock	0.57	2.5	473.9	3714	6	4.0	9.7	4.5	45	0.86	4.0	2549	2.1	4	0.7	0.2	1.9	4	0.01	0.004
SKKG 22	Rock	0.57	15.0	104.7	1623	2	11.6	2.5	5.7	48	0.88	14.0	114.4	1.3	39	0.2	0.1	27.8	<2	<0.01	0.005
SKKG 23	Rock	0.61	11.6	60.8	95.0	36	0.4	32.7	53.9	318	4.16	1.3	26.9	0.9	26	<0.1	0.2	1.0	79	0.38	0.033
SKKG 24	Rock	0.45	14.7	280.0	38.0	6	0.4	37.6	55.8	92	3.41	8.2	21.1	<0.1	10	<0.1	0.2	0.9	16	0.13	0.027
SKKG 25	Rock	0.60	2.4	660.7	33.3	22	0.3	62.1	74.2	712	8.27	1.0	6.9	0.4	21	0.2	0.2	0.4	42	2.99	0.010
SKKG 26	Rock	0.68	52.3	20.6	43.6	9	0.2	4.0	3.2	51	2.32	0.6	102.8	4.4	11	<0.1	<0.1	0.3	14	0.01	0.016
SKKG 27	Rock	0.68	74.4	17.9	66.1	28	0.2	2.9	2.8	63	1.46	1.8	273.4	8.8	111	0.1	0.2	1.4	17	0.05	0.086
SKKG 28	Rock	0.46	15.1	2262	7740	77	39.0	5.1	22.3	67	1.75	<0.5	91.1	0.2	12	2.8	<0.1	86.7	<2	0.03	0.012
SKKG 29	Rock	0.81	8.7	178.0	>10000	340	27.4	14.9	9.2	595	5.42	<0.5	311.0	5.4	133	1.6	0.1	240.9	46	0.03	0.095
SKKG 30	Rock	1.24	2.0	16.2	69.5	15	0.5	20.7	22.7	305	2.95	175.1	118.7	1.9	40	0.2	0.7	3.6	3	0.15	0.067
SKKG 31	Rock	0.98	102.4	557.7	>10000	44	92.7	7.8	7.9	148	1.87	<0.5	122.0	5.8	16	2.2	0.2	307.5	3	0.05	0.021

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Client: **Klondike Gold Corp.**
711 - 675 W. Hastings St.
Vancouver BC V6B 1N2 Canada

Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
G1	Prep Blank	7	8	0.57	242	0.101	1	1.05	0.116	0.55	<0.1	<0.01	3.3	0.3	<0.05	5	<0.5	<0.2	N.A.
G1	Prep Blank	9	9	0.59	261	0.128	2	1.16	0.137	0.60	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2	N.A.
SKKG 4	Rock	<1	5	0.06	10	0.001	4	0.07	0.003	0.01	<0.1	0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	N.A.
SKKG 5	Rock	30	7	1.70	52	0.003	3	0.33	0.007	0.38	0.2	0.01	2.6	<0.1	<0.05	<1	<0.5	<0.2	N.A.
SKKG 6	Rock	4	3	<0.01	46	<0.001	1	0.07	0.004	0.07	<0.1	0.03	0.4	<0.1	0.21	<1	1.7	0.2	N.A.
SKKG 7	Rock	4	3	0.01	104	0.001	1	0.13	0.157	0.02	<0.1	0.01	0.9	<0.1	0.16	<1	0.9	1.4	N.A.
SKKG 8	Rock	4	3	0.01	156	<0.001	2	0.24	0.510	0.01	<0.1	<0.01	4.0	<0.1	0.55	<1	1.6	2.8	N.A.
SKKG 9	Rock	4	7	0.30	67	0.012	2	0.22	0.009	0.31	<0.1	0.01	1.1	0.2	<0.05	2	<0.5	<0.2	N.A.
SKKG 10	Rock	20	11	0.16	57	0.003	4	0.46	0.055	0.38	0.3	0.01	2.5	<0.1	<0.05	1	<0.5	0.3	N.A.
SKKG 11	Rock	11	6	0.08	41	0.003	7	0.22	0.006	0.25	0.2	<0.01	0.7	<0.1	0.16	<1	<0.5	3.3	N.A.
SKKG 12	Rock	2	5	0.13	13	0.005	3	0.16	0.005	0.09	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	N.A.
SKKG 13	Rock	4	4	0.44	15	0.013	2	0.41	0.002	0.26	<0.1	<0.01	0.2	<0.1	0.06	2	<0.5	<0.2	N.A.
SKKG 14	Rock	16	5	0.02	90	0.002	2	0.15	0.036	0.12	<0.1	0.01	0.7	<0.1	0.07	<1	1.6	3.5	N.A.
SKKG 15	Rock	14	12	0.50	262	0.059	2	0.65	0.003	0.58	0.1	<0.01	1.0	0.2	0.36	2	0.6	<0.2	N.A.
SKKG 16	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SKKG 17	Rock	5	7	0.12	173	0.006	2	0.17	0.011	0.22	<0.1	0.01	0.8	<0.1	0.35	<1	0.7	10.0	N.A.
SKKG 18	Rock	11	128	0.85	479	0.014	3	0.74	0.012	0.92	0.2	0.01	3.8	0.5	0.30	5	<0.5	0.7	N.A.
SKKG 19	Rock	5	5	0.16	63	0.006	2	0.20	0.002	0.15	<0.1	<0.01	0.2	<0.1	0.29	<1	2.1	0.2	N.A.
SKKG 20	Rock	3	4	0.12	23	0.002	2	0.16	0.002	0.10	<0.1	0.02	<0.1	<0.1	1.10	<1	3.7	0.3	N.A.
SKKG 21	Rock	1	8	0.13	28	0.010	<1	0.17	0.004	0.15	<0.1	0.02	0.4	<0.1	0.30	<1	<0.5	10.8	N.A.
SKKG 22	Rock	3	5	0.01	1088	0.001	1	0.06	0.013	0.06	<0.1	<0.01	0.2	<0.1	0.11	<1	1.9	6.4	N.A.
SKKG 23	Rock	2	74	1.18	118	0.130	1	1.22	0.101	0.21	<0.1	0.01	8.1	<0.1	0.08	5	0.9	<0.2	N.A.
SKKG 24	Rock	<1	5	0.14	87	0.012	2	0.35	0.119	0.17	0.1	<0.01	4.0	<0.1	0.16	<1	2.1	0.4	N.A.
SKKG 25	Rock	<1	5	0.61	80	0.045	2	0.97	0.025	0.40	<0.1	0.01	7.9	0.2	<0.05	4	0.7	<0.2	N.A.
SKKG 26	Rock	4	5	0.07	380	0.008	<1	0.25	0.026	0.26	<0.1	0.01	3.0	<0.1	0.06	2	<0.5	0.3	N.A.
SKKG 27	Rock	24	11	0.18	124	0.005	1	0.36	0.010	0.56	0.1	<0.01	1.7	0.2	0.20	3	<0.5	<0.2	N.A.
SKKG 28	Rock	3	5	0.03	116	0.001	1	0.03	0.009	0.03	<0.1	0.01	0.3	<0.1	1.22	<1	7.5	3.7	N.A.
SKKG 29	Rock	21	19	0.76	94	0.062	<1	0.93	0.063	0.98	<0.1	0.08	5.5	1.0	0.71	6	11.8	2.2	N.A.
SKKG 30	Rock	8	4	0.03	30	0.003	1	0.20	0.203	0.04	0.1	<0.01	3.7	<0.1	0.10	<1	<0.5	0.2	N.A.
SKKG 31	Rock	11	4	0.01	19	0.001	<1	0.14	0.017	0.35	<0.1	<0.01	1.8	0.3	0.41	1	18.7	2.2	N.A.

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711 - 675 W. Hastings St.
Vancouver BC V6B 1N2 Canada

Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
SKKG 32	Rock	0.56	3.4	97.6	208.1	11	1.0	8.1	12.6	67	3.14	6.2	139.7	2.0	12	0.2	<0.1	9.4	<2	0.03	0.028
SKKG 33	Rock	0.82	0.9	1146	62.3	20	1.3	26.2	31.2	143	1.74	27.0	29.2	2.3	2	<0.1	0.1	8.2	5	0.02	0.007
SKKG 34	Rock	0.94	1.1	349.5	1576	32	5.0	2.6	3.3	166	0.68	<0.5	61.0	0.3	40	1.2	0.1	37.3	<2	0.22	0.002
SKKG 35	Rock	0.94	1.0	27.9	196.4	55	0.9	0.8	0.4	171	0.48	<0.5	0.7	<0.1	106	0.8	<0.1	4.1	<2	0.77	<0.001
SKKG 36	Rock	1.23	1.6	422.3	167.8	46	21.0	13.5	6.3	54	2.38	2.4	62.7	1.5	5	0.2	0.2	2.7	<2	0.03	0.006
SKKG 37	Rock	0.58	3.9	43.1	2569	14	10.6	1.0	0.6	64	0.81	<0.5	26.0	0.2	8	0.4	0.1	48.8	3	<0.01	0.002
SKKG 96	Rock	0.86	0.9	46.5	117.2	1783	0.6	6.7	5.9	2146	5.04	2.4	29.6	3.6	197	14.5	0.4	0.4	5	4.62	0.041
SKKG 97	Rock	0.86	7.3	313.2	>10000	56	66.8	2.4	1.0	70	1.37	16.4	238.5	0.2	7	4.5	66.2	7.5	2	0.02	0.003
SKKG 98	Rock	0.71	0.8	542.2	328.0	120	5.3	4.6	3.5	146	2.50	231.8	256.2	0.6	74	2.0	4.2	1.1	13	0.10	0.100
SKKG 99	Rock	0.75	0.9	100.9	509.9	8	1.0	3.8	3.6	96	1.39	53.0	10.5	0.6	4	<0.1	5.1	0.7	<2	<0.01	0.009
SKKG 100	Rock	0.94	0.3	16.1	117.3	67	0.5	1.3	0.5	147	1.65	3.7	64.1	<0.1	8	0.1	0.5	0.4	<2	0.04	0.005
MKKG 8	Rock	0.28	0.4	44.1	246.0	16	0.6	8.7	1.7	151	1.32	0.9	3.3	3.6	52	<0.1	0.1	13.1	38	0.18	0.039
MKKG 9	Rock	0.56	0.1	9.9	4682	17	4.6	8.3	4.7	437	1.71	<0.5	62.6	4.8	75	0.8	0.2	2.2	6	0.78	0.031
MKKG 10	Rock	0.28	0.6	5.5	29.3	3	0.1	1.6	0.6	129	1.18	<0.5	6.0	6.7	44	<0.1	<0.1	0.3	<2	0.02	0.021
MKKG 11	Rock	0.52	0.5	40.4	2530	39	2.4	11.4	2.4	271	1.44	0.6	4.6	13.5	27	0.3	<0.1	39.9	223	0.10	0.017
MKKG 12	Rock	0.39	0.3	33.3	141.0	4	0.4	1.7	0.4	123	0.60	0.6	2.0	1.5	61	<0.1	<0.1	3.0	<2	0.50	0.199
MKKG 13	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
MKKG 14	Rock	0.37	0.8	438.8	13.8	4	<0.1	10.5	8.4	89	0.61	0.8	3.5	1.3	1	<0.1	<0.1	0.3	<2	0.04	0.009
MKKG 15	Rock	0.66	6.4	9.2	65.2	21	0.2	6.7	1.1	65	1.05	<0.5	3.5	4.6	3	<0.1	<0.1	1.2	33	<0.01	0.009
MKKG 16	Rock	0.28	31.3	2341	425.6	100	5.1	13.7	5.1	126	0.98	3.3	45.4	10.5	53	2.6	9.6	27.2	146	0.57	0.013
MKKG 17	Rock	0.48	0.2	307.3	10.4	3	0.2	5.7	10.0	49	0.58	8.9	2.8	1.2	1	<0.1	<0.1	0.2	<2	<0.01	0.003
MKKG 18	Rock	0.25	0.7	160.1	8367	26	5.6	5.4	6.0	192	1.42	0.9	1.5	1.2	171	2.1	<0.1	123.5	51	0.60	0.010
MKKG 19	Rock	0.39	3.8	266.5	>10000	4	13.0	9.1	2.5	113	1.30	0.6	61.4	1.0	47	5.2	0.6	19.1	4	0.17	0.004
MKKG 20	Rock	0.47	0.8	1316	60.2	11	0.7	10.3	6.2	80	1.41	2.6	3.1	1.3	2	0.1	<0.1	0.9	3	<0.01	0.003
MKKG 21	Rock	0.40	0.3	1240	66.5	9	0.7	9.9	24.3	54	0.89	21.9	3.2	1.8	1	0.4	<0.1	0.3	<2	0.01	0.005
MKKG 22	Rock	0.34	19.9	1878	>10000	47	33.3	1.9	5.0	51	2.85	0.9	108.0	0.1	12	0.1	<0.1	323.2	<2	<0.01	0.008
MKKG 23	Rock	0.31	3.8	291.6	5725	5	18.9	2.1	0.7	82	0.89	1.2	1392	<0.1	3	0.4	<0.1	97.6	<2	<0.01	<0.001
MKKG 24	Rock	0.29	14.1	29.2	9638	<1	36.9	0.7	0.3	41	0.69	1.0	52.8	1.0	4	1.8	0.1	69.4	<2	<0.01	0.003
MKKG 25	Rock	0.29	23.2	93.4	>10000	3	48.8	2.5	1.9	48	0.99	1.0	330.4	0.3	12	5.0	0.6	84.0	<2	<0.01	0.004
MKKG 26	Rock	0.44	0.3	5741	92.0	5	8.8	27.5	39.5	40	1.64	4.1	72.5	0.3	1	0.2	<0.1	1.0	<2	<0.01	0.003

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Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
SKKG 32	Rock	8	3	0.02	75	<0.001	1	0.22	0.220	0.10	<0.1	0.01	1.3	<0.1	0.25	<1	<0.5	1.0	N.A.
SKKG 33	Rock	3	8	0.45	21	0.017	<1	0.61	<0.001	0.19	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2	N.A.
SKKG 34	Rock	3	4	<0.01	10	<0.001	<1	0.02	0.004	0.01	<0.1	0.03	0.3	<0.1	0.06	<1	2.1	0.3	N.A.
SKKG 35	Rock	3	3	<0.01	3	<0.001	<1	<0.01	0.005	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	N.A.
SKKG 36	Rock	8	4	<0.01	16	0.001	<1	0.13	0.005	0.13	<0.1	0.05	0.8	<0.1	0.08	<1	9.1	0.3	N.A.
SKKG 37	Rock	2	4	<0.01	8	0.001	<1	0.01	0.004	0.02	<0.1	<0.01	0.2	<0.1	0.05	<1	2.4	0.7	N.A.
SKKG 96	Rock	7	6	0.66	109	0.006	4	0.50	0.042	0.37	0.1	0.06	6.1	0.3	0.35	1	<0.5	<0.2	N.A.
SKKG 97	Rock	<1	3	<0.01	42	0.002	2	0.03	0.007	0.02	<0.1	0.02	0.3	<0.1	1.93	<1	12.6	1.2	N.A.
SKKG 98	Rock	6	4	<0.01	61	0.003	1	0.17	0.053	0.12	0.2	0.03	4.5	<0.1	0.15	<1	<0.5	0.8	N.A.
SKKG 99	Rock	2	3	<0.01	12	<0.001	<1	0.05	0.005	0.03	<0.1	0.04	0.3	<0.1	<0.05	<1	<0.5	<0.2	N.A.
SKKG 100	Rock	<1	4	0.01	13	<0.001	1	<0.01	0.007	<0.01	<0.1	0.02	0.5	<0.1	0.14	<1	<0.5	<0.2	N.A.
MKKG 8	Rock	8	12	0.21	34	0.065	<1	0.22	0.013	0.21	<0.1	0.01	1.1	0.1	<0.05	2	<0.5	<0.2	N.A.
MKKG 9	Rock	6	6	0.23	104	0.005	<1	0.15	0.170	<0.01	0.2	0.01	2.6	<0.1	0.79	<1	0.9	7.4	N.A.
MKKG 10	Rock	<1	5	<0.01	1343	0.002	2	0.17	0.156	0.02	0.2	<0.01	1.0	<0.1	0.10	<1	<0.5	0.2	N.A.
MKKG 11	Rock	14	30	0.35	114	0.170	1	0.49	0.037	0.52	0.1	<0.01	3.0	0.7	0.08	5	2.9	0.2	N.A.
MKKG 12	Rock	8	4	0.04	25	0.002	<1	0.15	0.170	<0.01	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2	N.A.
MKKG 13	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
MKKG 14	Rock	9	5	0.05	18	0.001	1	0.11	0.005	0.08	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	N.A.
MKKG 15	Rock	16	25	0.44	62	0.019	<1	0.42	0.018	0.50	0.1	<0.01	2.4	0.4	<0.05	4	<0.5	<0.2	N.A.
MKKG 16	Rock	47	11	0.43	105	0.008	5	0.41	0.012	0.39	<0.1	<0.01	1.8	<0.1	0.29	2	1.1	<0.2	N.A.
MKKG 17	Rock	2	5	0.13	15	0.002	1	0.15	0.004	0.07	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	N.A.
MKKG 18	Rock	7	9	0.20	10	0.067	<1	0.20	0.013	0.24	<0.1	<0.01	2.2	0.5	0.33	2	8.7	<0.2	N.A.
MKKG 19	Rock	4	5	0.09	211	0.002	<1	0.09	0.014	0.13	0.1	<0.01	0.5	<0.1	0.50	<1	1.9	23.8	N.A.
MKKG 20	Rock	7	6	0.88	11	0.010	<1	0.75	0.001	0.19	<0.1	<0.01	2.3	<0.1	0.11	3	1.3	<0.2	N.A.
MKKG 21	Rock	3	5	0.19	24	0.010	2	0.27	0.002	0.20	<0.1	<0.01	0.2	<0.1	0.16	<1	0.7	<0.2	N.A.
MKKG 22	Rock	4	4	<0.01	26	<0.001	1	0.03	0.005	0.12	<0.1	0.03	0.1	<0.1	0.70	<1	16.1	1.7	N.A.
MKKG 23	Rock	2	7	<0.01	8	<0.001	<1	<0.01	0.008	<0.01	<0.1	0.01	<0.1	<0.1	0.13	<1	4.0	1.2	N.A.
MKKG 24	Rock	3	5	<0.01	28	<0.001	<1	0.05	0.008	0.10	<0.1	0.01	0.2	<0.1	0.19	<1	8.3	1.8	N.A.
MKKG 25	Rock	1	4	<0.01	81	<0.001	<1	0.03	0.007	0.04	<0.1	0.01	0.1	<0.1	0.89	<1	18.4	7.4	N.A.
MKKG 26	Rock	5	4	<0.01	11	0.001	<1	0.08	0.006	0.08	<0.1	0.02	0.9	<0.1	1.38	<1	3.7	<0.2	N.A.

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Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

Method		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
MKKG 27	Rock	0.86	2.0	3574	147.4	49	5.5	46.7	41.7	248	1.65	4.6	37.9	1.0	9	0.6	<0.1	1.4	13	0.13	0.032
MKKG 28	Rock	0.98	1.3	2787	20.4	26	17.9	18.6	29.6	45	3.12	88.8	81.7	1.9	3	0.2	<0.1	2.7	3	0.01	0.004
MKKG 29	Rock	0.40	1.1	>10000	19.4	57	36.5	4.7	4.9	51	4.27	2.5	46.7	<0.1	2	1.0	0.2	3.8	<2	<0.01	<0.001
MKKG 30	Rock	0.80	0.7	3791	86.7	5	5.7	5.4	17.5	45	1.50	8.6	77.5	2.1	4	0.2	<0.1	0.9	3	<0.01	0.004
MKKG 77	Rock	0.34	2.2	69.7	52.3	48	0.6	15.1	6.3	660	4.19	13.4	19.0	2.0	3	0.3	2.5	0.3	7	<0.01	0.022
MKKG 78	Rock	0.35	1.5	26.4	20.5	17	0.7	11.1	6.7	261	2.44	9.7	14.6	1.0	3	0.1	2.5	0.9	2	<0.01	0.012
MKKG 79	Rock	0.41	7.7	261.8	5734	1100	27.5	3.9	2.3	289	1.54	4.4	63.8	2.6	60	30.3	7.4	42.5	11	0.59	0.023
SKKG 117	Rock	0.99	0.2	1152	45.4	6	0.4	8.4	4.7	615	1.17	0.6	19.6	1.8	25	<0.1	<0.1	0.4	<2	2.13	0.005

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Project: Hughes Rarge
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004043.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
MKKG 27	Rock	7	29	0.26	88	0.020	<1	0.46	0.022	0.30	<0.1	0.01	3.8	0.1	0.26	1	5.3	<0.2	N.A.
MKKG 28	Rock	6	5	0.02	27	0.002	<1	0.12	0.012	0.16	0.2	0.02	0.6	<0.1	0.67	<1	14.6	<0.2	N.A.
MKKG 29	Rock	<1	3	<0.01	2	<0.001	<1	0.02	0.005	0.01	<0.1	0.04	0.2	<0.1	2.43	<1	21.5	<0.2	1.669
MKKG 30	Rock	7	5	0.01	99	0.001	<1	0.06	0.007	0.06	<0.1	0.02	0.7	<0.1	0.53	<1	2.7	0.3	N.A.
MKKG 77	Rock	10	5	0.02	27	<0.001	2	0.16	0.019	0.10	<0.1	0.01	4.6	<0.1	<0.05	<1	<0.5	<0.2	N.A.
MKKG 78	Rock	5	4	0.02	6	<0.001	<1	0.19	0.054	<0.01	<0.1	0.01	2.8	<0.1	<0.05	<1	<0.5	0.4	N.A.
MKKG 79	Rock	7	5	0.28	50	0.001	<1	0.17	0.011	0.19	0.1	0.10	2.9	<0.1	1.00	<1	10.1	7.0	N.A.
SKKG 117	Rock	<1	4	0.68	10	<0.001	<1	0.05	0.016	0.05	<0.1	<0.01	1.7	<0.1	0.10	<1	<0.5	<0.2	N.A.

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Project: Hughes Rarge
Report Date: October 05, 2012

QUALITY CONTROL REPORT VAN12004043.2

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
SKKG 26	Rock	0.68	52.3	20.6	43.6	9	0.2	4.0	3.2	51	2.32	0.6	102.8	4.4	11	<0.1	<0.1	0.3	14	0.01	0.016
REP SKKG 26	QC		52.0	20.5	43.3	9	0.2	3.9	3.2	52	2.32	<0.5	98.2	4.3	11	<0.1	<0.1	0.3	15	0.01	0.015
SKKG 28	Rock	0.46	15.1	2262	7740	77	39.0	5.1	22.3	67	1.75	<0.5	91.1	0.2	12	2.8	<0.1	86.7	<2	0.03	0.012
REP SKKG 28	QC		15.4	2305	7699	80	39.8	5.2	23.9	68	1.78	<0.5	149.7	0.3	14	2.8	<0.1	83.0	<2	0.02	0.013
SKKG 36	Rock	1.23	1.6	422.3	167.8	46	21.0	13.5	6.3	54	2.38	2.4	62.7	1.5	5	0.2	0.2	2.7	<2	0.03	0.006
REP SKKG 36	QC		1.6	439.0	172.0	46	21.7	14.7	6.7	60	2.36	2.2	40.8	1.5	6	0.2	0.2	2.6	<2	0.03	0.006
MKKG 8	Rock	0.28	0.4	44.1	246.0	16	0.6	8.7	1.7	151	1.32	0.9	3.3	3.6	52	<0.1	0.1	13.1	38	0.18	0.039
REP MKKG 8	QC		0.4	43.4	249.5	14	0.6	8.9	1.8	147	1.34	0.8	2.5	3.6	52	<0.1	<0.1	12.8	38	0.18	0.038
MKKG 28	Rock	0.98	1.3	2787	20.4	26	17.9	18.6	29.6	45	3.12	88.8	81.7	1.9	3	0.2	<0.1	2.7	3	0.01	0.004
REP MKKG 28	QC		1.4	2822	21.0	25	17.7	19.4	30.1	46	3.09	89.6	46.9	1.9	3	0.2	<0.1	2.8	3	0.01	0.004
MKKG 29	Rock	0.40	1.1	>10000	19.4	57	36.5	4.7	4.9	51	4.27	2.5	46.7	<0.1	2	1.0	0.2	3.8	<2	<0.01	<0.001
REP MKKG 29	QC																				
Core Reject Duplicates																					
SKKG 24	Rock	0.45	14.7	280.0	38.0	6	0.4	37.6	55.8	92	3.41	8.2	21.1	<0.1	10	<0.1	0.2	0.9	16	0.13	0.027
DUP SKKG 24	QC	<0.01	14.4	304.9	61.4	7	0.5	41.8	54.2	88	3.51	9.1	31.2	0.1	12	<0.1	0.2	0.9	17	0.14	0.024
MKKG 23	Rock	0.31	3.8	291.6	5725	5	18.9	2.1	0.7	82	0.89	1.2	1392	<0.1	3	0.4	<0.1	97.6	<2	<0.01	<0.001
DUP MKKG 23	QC	<0.01	3.4	239.3	4487	4	14.5	1.2	0.7	89	0.89	1.4	632.0	<0.1	2	0.3	<0.1	75.2	<2	<0.01	<0.001
Reference Materials																					
STD DS9	Standard		14.2	109.4	119.5	307	1.9	41.4	7.4	587	2.33	24.9	121.8	6.5	71	2.4	5.5	6.5	40	0.75	0.079
STD DS9	Standard		11.6	115.2	126.7	303	1.7	42.9	7.4	557	2.23	24.1	126.0	6.5	69	2.3	6.3	7.4	38	0.68	0.082
STD DS9	Standard		12.8	119.6	129.5	320	1.8	42.7	8.0	562	2.39	26.3	114.1	6.8	69	2.5	6.2	6.7	38	0.69	0.083
STD GC-7	Standard																				
STD OREAS133B	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS133B Expected																					
STD GC-7 Expected																					
BLK	Blank		<0.1	<0.1	2.4	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	0.1	0.7	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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711 - 675 W. Hastings St.
Vancouver BC V6B 1N2 Canada

Project: Hughes Rarge
Report Date: October 05, 2012

QUALITY CONTROL REPORT VAN12004043.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
Pulp Duplicates																			
SKKG 26	Rock	4	5	0.07	380	0.008	<1	0.25	0.026	0.26	<0.1	0.01	3.0	<0.1	0.06	2	<0.5	0.3	N.A.
REP SKKG 26	QC	3	5	0.07	373	0.009	<1	0.27	0.029	0.28	<0.1	0.01	3.8	<0.1	0.06	2	<0.5	0.2	
SKKG 28	Rock	3	5	0.03	116	0.001	1	0.03	0.009	0.03	<0.1	0.01	0.3	<0.1	1.22	<1	7.5	3.7	N.A.
REP SKKG 28	QC	3	4	0.03	128	0.001	1	0.03	0.009	0.03	<0.1	0.02	0.2	<0.1	1.21	<1	6.6	3.8	
SKKG 36	Rock	8	4	<0.01	16	0.001	<1	0.13	0.005	0.13	<0.1	0.05	0.8	<0.1	0.08	<1	9.1	0.3	N.A.
REP SKKG 36	QC	8	5	<0.01	16	0.001	1	0.13	0.005	0.13	<0.1	0.03	0.8	<0.1	0.08	<1	9.0	0.3	
MKKG 8	Rock	8	12	0.21	34	0.065	<1	0.22	0.013	0.21	<0.1	0.01	1.1	0.1	<0.05	2	<0.5	<0.2	N.A.
REP MKKG 8	QC	8	11	0.20	34	0.064	<1	0.22	0.014	0.22	<0.1	0.01	1.3	0.1	<0.05	2	<0.5	<0.2	
MKKG 28	Rock	6	5	0.02	27	0.002	<1	0.12	0.012	0.16	0.2	0.02	0.6	<0.1	0.67	<1	14.6	<0.2	N.A.
REP MKKG 28	QC	6	5	0.02	27	0.002	2	0.13	0.012	0.16	0.1	0.02	0.5	<0.1	0.67	<1	13.5	<0.2	
MKKG 29	Rock	<1	3	<0.01	2	<0.001	<1	0.02	0.005	0.01	<0.1	0.04	0.2	<0.1	2.43	<1	21.5	<0.2	1.669
REP MKKG 29	QC																		1.666
Core Reject Duplicates																			
SKKG 24	Rock	<1	5	0.14	87	0.012	2	0.35	0.119	0.17	0.1	<0.01	4.0	<0.1	0.16	<1	2.1	0.4	N.A.
DUP SKKG 24	QC	<1	6	0.16	127	0.015	1	0.39	0.131	0.19	0.1	<0.01	3.9	<0.1	0.18	1	2.3	0.7	N.A.
MKKG 23	Rock	2	7	<0.01	8	<0.001	<1	<0.01	0.008	<0.01	<0.1	0.01	<0.1	<0.1	0.13	<1	4.0	1.2	N.A.
DUP MKKG 23	QC	1	7	<0.01	8	<0.001	<1	<0.01	0.008	<0.01	0.1	<0.01	<0.1	<0.1	0.10	<1	3.8	1.1	N.A.
Reference Materials																			
STD DS9	Standard	14	121	0.63	308	0.120	2	0.99	0.090	0.40	2.8	0.21	2.6	5.4	0.16	5	5.4	5.2	
STD DS9	Standard	12	124	0.62	295	0.110	3	0.94	0.088	0.39	2.9	0.20	2.6	5.3	0.16	4	5.1	5.2	
STD DS9	Standard	11	123	0.63	291	0.109	2	0.93	0.080	0.40	3.0	0.20	2.3	5.2	0.17	4	5.9	5.3	
STD GC-7	Standard																		0.573
STD OREAS133B	Standard																		0.033
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD OREAS133B Expected																			0.0332
STD GC-7 Expected																			0.555
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

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Project: Hughes Rarge
Report Date: October 05, 2012

QUALITY CONTROL REPORT VAN12004043.2

		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.1	2.0	2.9	49	<0.1	4.0	4.2	570	2.02	<0.5	1.6	4.3	62	<0.1	<0.1	<0.1	32	0.40	0.075
G1	Prep Blank	<0.01	<0.1	1.6	3.1	50	<0.1	4.9	4.9	591	1.94	<0.5	<0.5	4.9	65	<0.1	<0.1	<0.1	34	0.45	0.072

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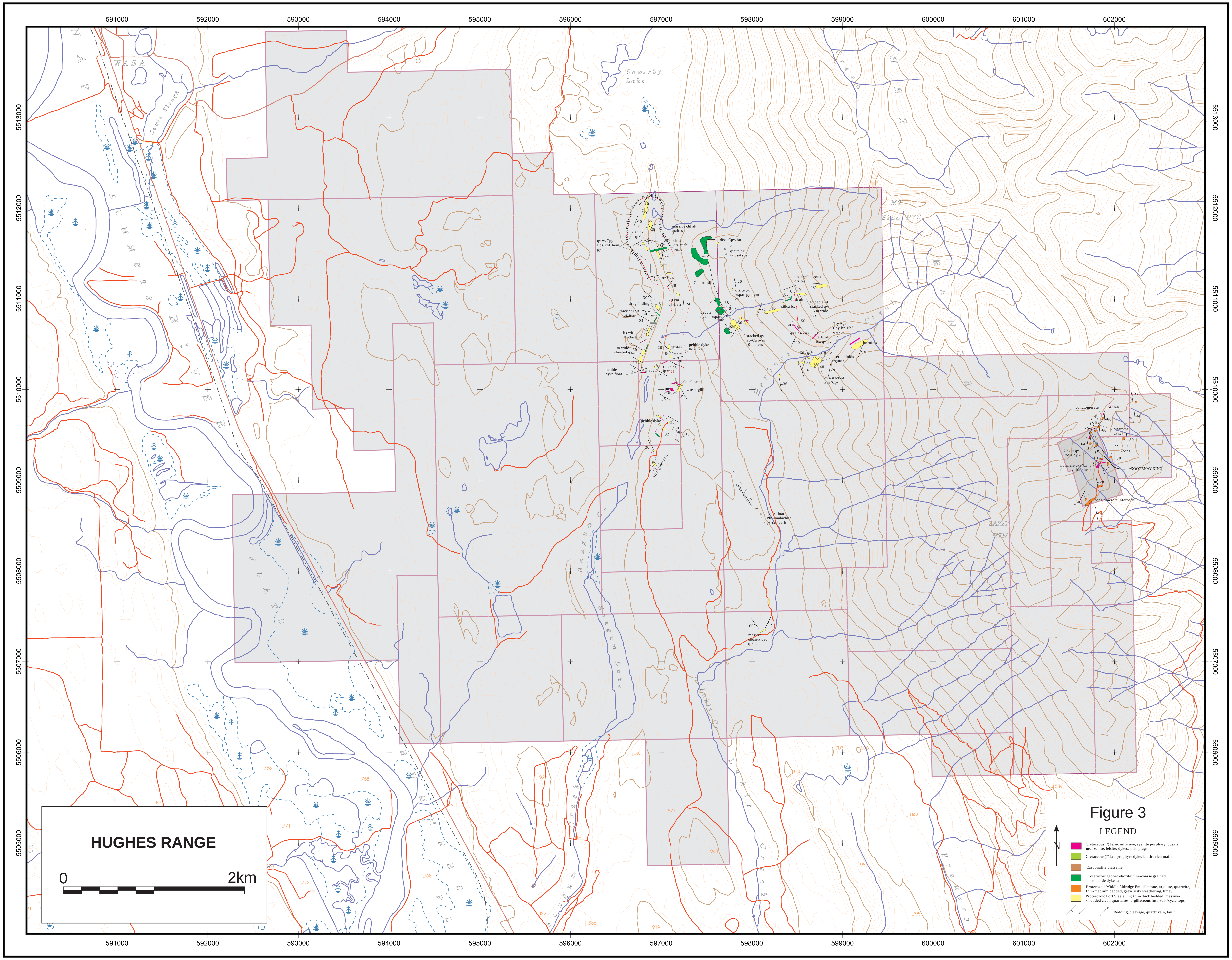
		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7AR
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																		<0.001
Prep Wash																			
G1	Prep Blank	7	8	0.57	242	0.101	1	1.05	0.116	0.55	<0.1	<0.01	3.3	0.3	<0.05	5	<0.5	<0.2	N.A.
G1	Prep Blank	9	9	0.59	261	0.128	2	1.16	0.137	0.60	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2	N.A.


591000
592000
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5510000
5509000
5508000
5507000
5506000
5505000
Sowerby Lake
KOOTENAY KING
HUGHES RANGE
0
2km
Figure 3
LEGEND
N
Cretaceous(?) felsic intrusive; syenite porphyry, quartz monzonite, felsite; dykes, sills, plugs
Cretaceous(?) lamprophyre dyke; biotite rich mafic
Carbonatite diatreme
Proterozoic gabbro-diorite; fine-coarse grained hornblende dykes and sills
Proterozoic Middle Aldridge Fm; siltstone, argillite, quartzite, thin-medium bedded, grey-rusty weathering, limey
Proterozoic Fort Steele Fm; thin-thick bedded, massive-x bedded clean quartzites, argillaceous intervals/cycle tops
Bedding, cleavage, quartz vein, fault

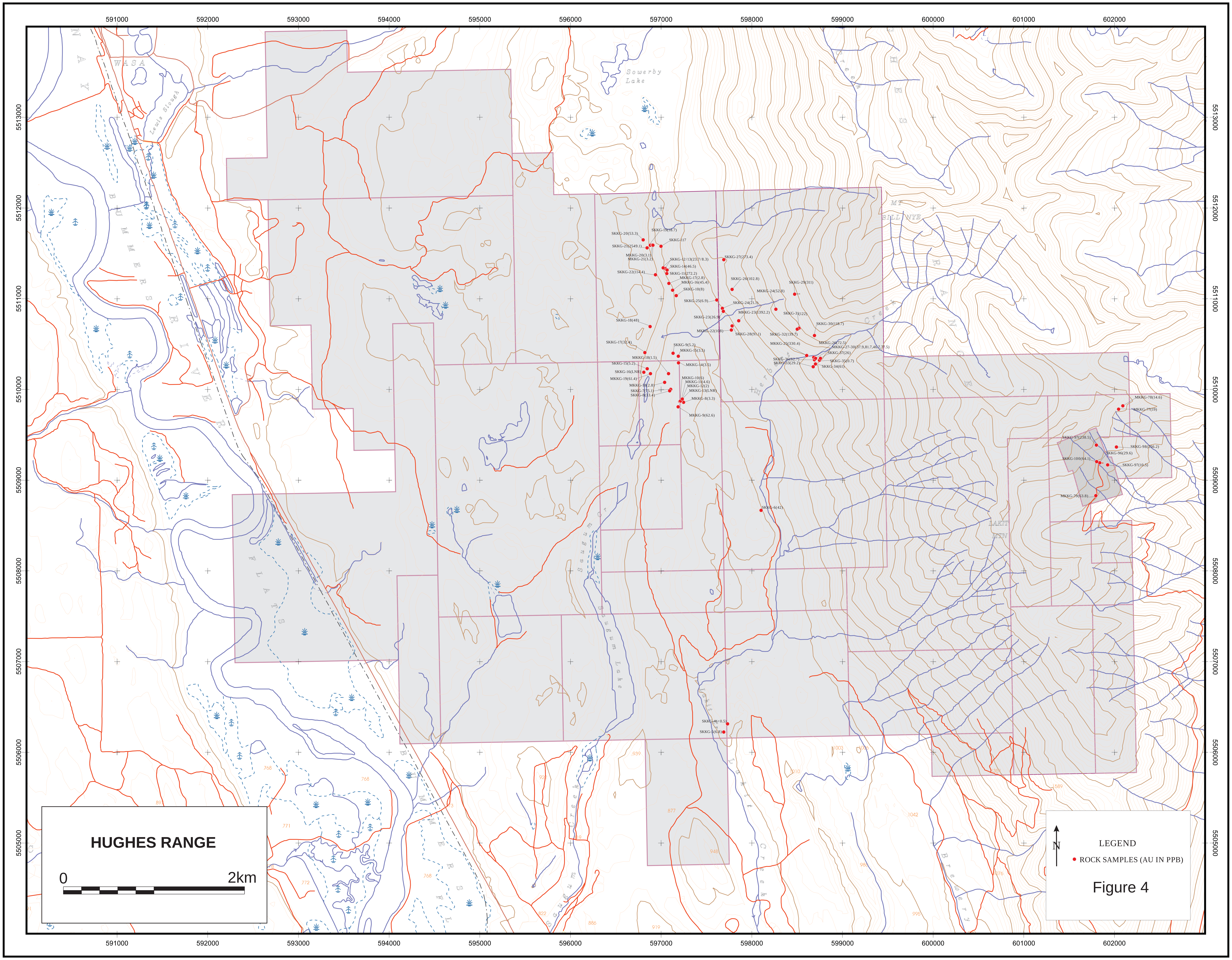
HUGHES RANGE
0
2km
LEGEND
ROCK SAMPLES (AU IN PPB)
N
591000
592000
593000
594000
595000
596000
597000
598000
599000
600000
601000
602000
5513000
5512000
5511000
5510000
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Figure 4