

**Report on Geological Mapping, Rock and Soil Geochemical Sampling
on the
Toshingermann (Tosh) Gold Project**

YC26710 - YC26739 (KR1 - KR32); YC94658 - YC94665 (KOOSE 1-8); YC94666 - YC94669 (YARROW 1-4); YD30829 - YD30844 (KR NORTH 29 – 44); YD30855 - YD30874 (KR NORTH 55 – 114); YD30915 (KR PAN 1); YD30919 - YD30921 (KR PAN 5-7); YD30925 (KR PAN 11); YD30927 (KR PAN 13); YD30929 (KR PAN 15); YD30931 (KR PAN 17); YD30933 (KR PAN 19); YD30935 (KR PAN 21); YD30949 (KR PAN 35); YD30951 (KR PAN 37); YD30953 (KR PAN 39); YD30955 (KR PAN 41); YD30957 (KR PAN 43); YD30959 (KR PAN 45); YD30961 (KR PAN 47); YD30963 - YD31018 (KR RON 1 - KR RON 56); YE51010 (K 70); YE51012 (K 72); YE51014 (K 74); YE51016 (K 76); YE51018 (K 78); YE51020 (K 80); YE51037 (T 17); YE51039 - YE51043 (T 19 – 23); YE51264 (K24); YE51287 - YE51288 (K 47 – 48); YE51079 - YE51084 (KS 1 – 6)

YMEP Target Evaluation Project 14-090

579000E, 6858000N (UTM Datum NAD 83)

NTS Sheets 115G13, 115G14

Whitehorse Mining District

Nov 27, 2014

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1. Summary

In August, 2014, a four-person crew conducted a nine-day program of grid soil sampling, detailed geological mapping, prospecting and rock sampling on the west flank of a ridgeline, called “Birdland Ridge” on the Toshingermann (Tosh) Property. This property is held by Mr. Scott Berdahl and supported by 18526 Yukon Inc. of Whitehorse, Yukon. The Tosh Property consists of 214 Yukon quartz mining claims located 60 kilometres north of Burwash Landing, Yukon and 270 kilometres northwest of Whitehorse, Yukon. The property consists of two main areas: the western area covers ground between Toshingermann Lake and the Kluane River; the eastern area covers territory west of Tincup Lake.

The 2014 program was partially funded by the Yukon Mineral Exploration Program (YMEP), and is designated as Target Evaluation Project 14-090, Hard Rock. The program was supervised by Mr. Carl Schulze of All-Terrane Mineral Exploration Services, based in Whitehorse. Actual expenditures for the program stand at CDN\$36,497.88.

The program specifically targeted the previously unexplored western portion of the western property area. In 1990 Mr. Ron Berdahl first explored the area, following up on strongly anomalous gold values from stream sediment sampling by the Geological Survey of Canada. Early exploration returned values to 5.347 g/t gold across 1.0 metres, confirming strong mineral potential for the area. By 2012, Scott Berdahl and 18526 Yukon Inc., managed by Mr. Ron Berdahl, had delineated two significant zones in the western property area: the Yarrow Zone, consisting of a kilometric-scale gold-in-soil anomaly covering Birdland Ridge, and the Peska Trend, a WNW – ESE trending soil anomaly southwest and downslope of the Yarrow Zone. The 2014 program consisted of westward extension of the soil grid, combined with geological mapping and rock sampling, west of the 2012 grid that delineated these trends.

Work to 2012 also delineated the Koose-Koose Zone roughly 14 kilometres southeast of the Yarrow Zone. This consists of a strong gold-in-soil anomaly suggesting the presence of a 1.9-kilometre linear mineralized zone, open in both directions. This area was not visited in 2014.

The property area is underlain by a thick package of Yukon-Tanana Terrane, Devono-Mississippian Nasina Assemblage fine to medium grained clastic metasediments with lesser carbonate horizons, in thrust fault contact with overlying Devonian to Cretaceous Windy-McKinley Terrane ultramafic rocks south of the property. The 2014 project area covers “Snowcap Assemblage” rocks, identified as the lowest of three packages of metasediments and/or metavolcanics. Project area lithologies consist of phyllite, psammite and quartzite, locally resembling chert, with minor limestone and marble.

The 2014 program revealed three sizable mineralized zones; from east to west these are the Parker, Vaughan and Thelonious Zones. The Parker Zone is located within the more widespread Yarrow Zone, the Vaughan Zone is located in the upper (east-central) portion of the Peska Trend, and the Thelonious Zone is located towards the lower (west-central) limit of the Peska Trend. All extend along structural zones conforming to a pervasive NNW – SSE trending lineation across the western TOSH property area. The Parker Zone, occurring along “Birdland Ridge”, has the highest mineral potential. Five 2014 samples returned values exceeding 1.0 g/t Au to a maximum of 6.77 g/t gold with 551 g/t silver. 2012 soil

geochemical results suggest the zone extends at least 300 metres to the NNW and SSE respectively of the sampled area. 2012 results also indicate the presence of several other zones with a similar mineralogy within the Yarrow Zone.

The Vaughan Zone is marked by strong graphitic shearing with millimetre-scale quartz veining. Rock rubblecrop sampling returned anomalous precious metal values to 0.487 g/t gold with 42 g/t silver. 2012 and 2014 soil sampling revealed an area of anomalous precious metal values extending 800 metres south-southeast of this occurrence, with a distinct pathfinder assemblage from that of the Parker Zone. Despite visually striking alteration and pervasive sulphide mineralization, no significant results were returned from the Thelonious Zone.

High potential for significant gold-silver mineralization occurs within the Parker Zone area and territory to the east, mainly along Birdland Ridge. This potential is enhanced by the gentle to moderate relief and unforested nature of the ridge.

The lack of intrusive units, combined with consistent background values of bismuth, suggest an orogenic setting of mineralization, rather than an intrusion-related setting. The NNW – SSE trending lineation likely reflects surface expressions of deep-seated crustal structural features acting as feeder zones for mineralized fluids. The mineralized system is at least at the large property-scale, and may be significantly larger.

Recommendations for further work consist of a two-phased exploration program. Phase 1 would consist of a nine-day program by two personnel to firm up the extent of mineralized zones in the Yarrow Zone area, and may include a further eight-day program of similar exploration on the Koose-Koose Trend, if funding permits. Phase 2 would consist of a 750-metre diamond drilling program on targets identified from Phase 1. Both programs would be camp-supported, based from a saddle along Birdland Ridge south of the Yarrow Zone.

Proposed expenditures for Phase 1, including 15% contingency, stand at **CDN\$34,292**. Including a second sub-phase across the Koose-Koose trend, this figure stands at **CDN\$56,164**. Phase 2 expenditures, including 10% contingency, stand at **CDN\$537,084**.

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2. Introduction

2.1 Introduction

During the period of August 6 – 15, 2014, a four person crew conducted detailed geological mapping, prospecting and rock sampling and grid soil sampling across the west limb of a ridgeline called “Birdland Ridge” (local name) within the northwestern portion of the Toshingermann (Tosh) property. This property is located in southwestern Yukon along the east bank of the Kluane River north of the village of Burwash Landing. The property is held by 18526 Yukon Inc., a private Yukon numbered company, and operated under the direction of J. Scott Berdahl assisted by Ronald Berdahl. The project was designed to extend the existing soil grid westward to the valley floor of the Kluane River, as well as explain existing geochemical anomalies along the west flank of the ridgeline.

The 2014 program was partially funded by the Yukon Mineral Exploration Program (YMEP), and is designated as Target Evaluation Project 14-090, Hard Rock. This report is designed to satisfy the requirements of the YMEP program. Expenditures, including digitization and report writing, total CDN\$34,717.

Carl Schulze, geological consultant with All-Terrane Mineral Exploration Services, a Whitehorse-based contract exploration company, supervised all work done on the program. Mr. Schulze was present on the property throughout the program.

2.2 Terms, Definitions and Units

All costs contained in this report are reported in Canadian dollars. Distances are reported in metres (m) and kilometres (km). “GPS” refers to Global Positioning System with co-ordinates reported in UTM grid, Zone 8, Nad 83 projection. A “Minfile occurrence” refers to documented mineral occurrences on file with the Yukon Geological Survey. “VLF-EM” refers to “Very Low Frequency Electromagnetic” methods of geophysical surveying.

“ICP-MS” stands for “Inductively coupled plasma mass spectrometry”. The term “ppm” refers to parts per million, which is equivalent to grams per metric tonne (g/t); ppb refers to parts per billion per metric tonne. “Ma” refers to million years. The symbol “%” refers to weight percent unless otherwise stated. QAQC refers to quality assurance/ quality control.

“Au” is the symbol for the chemical element gold. The following symbols pertain to elements analyzed during ICP-MS analysis, and include elements described in subsequent sections:

Ag: Silver	Mo: Molybdenum
Al: Aluminum	Na: Sodium
As: Arsenic	Ni: Nickel
B: Boron	P: Phosphorous
Ba: Barium	Pb: Lead

Be: Beryllium	Rb: Rubidium
Bi: Bismuth	S: Sulphur
Ca: Calcium	Sb: Antimony
Cd: Cadmium	Sc: Scandium
Ce: Cerium	Se: Selenium
Co: Cobalt	Sn: Tin
Cr: Chromium	Sr: Strontium
Cu: Copper	Ta: Tantalum
Fe: Iron	Te: Tellurium
Ga: Gallium	Th: Thorium
Hg: Mercury	Ti: Titanium
In: Indium	Tl: Thallium
K: Potassium	U: Uranium
La: Lanthanum	V: Vanadium
Li: Lithium	W: Tungsten
Mg: Magnesium	Y: Yttrium
Mn: Manganese	Zn: Zinc
Zr: Zirconium	

Minerals found on the property include pyrite and pyrrhotite (iron sulphides), arsenopyrite (iron-arsenic sulphide), scorodite (hydrated iron arsenate), chalcopyrite (copper sulphide), galena (lead sulphide) and graphite (native carbon).

3. Reliance on Other Experts

The historical data, including some recent exploration results by 18526 Yukon Inc. on the property area is provided by J.S. Berdahl in: "Appendix A, Exploration Proposal - Tosh Project – Target Evaluation", part of the YMEP proposal submitted in early 2014. The regional geological data was provided by the Yukon Geological Survey, specifically by Murphy, D. C., 2010: "New mineral exploration opportunities highlighted by new geosciences data, Stevenson Ridge and northern Kluane Lake areas, southwestern Yukon". Data on claim status is available on the website of the Yukon Mining Recorder at <http://www.yukonminingrecorder.ca>.

4. Property Description and Location

The Toshingermann (Tosh) property consists of 214 Yukon quartz mining claims covering 4,368 hectares (10,789 acres), located about 60 kilometres north of Burwash Landing, Yukon and 270 kilometres northwest of Whitehorse, Yukon (Figures 1 and 2). The property consists of two main areas of coverage: the western area covers ground between Tosingermann Lake and the Kluane River; the eastern area covers territory west of Tincup Lake (Figure 3). The 2014 program was centred at roughly 579000E, 6858000N (UTM Datum NAD 83) on NTS sheets 115G13, 115G14, along the west flank of a steep ridgeline called "Birdland Ridge" (local name). All claims are held in good standing either by R.S. Berdahl or by 18526 Yukon Inc., and are listed in Table 1.

All mining claims pertain to subsurface rights only, which may be renewed by applying CDN\$100 in applicable exploration expenditures per claim per year. Claim tenure may be extended up to five years within the first year of the recording date, and up to four years per annual work period after that. A Certificate of Work, stating the type of work done, claims having work done upon, and total expenditures, must be filed within the first two weeks following the recording anniversary date, followed by an Assessment Report within six months of the anniversary date.

Surface rights are held by the Crown, and administered by the Ministry of Economic Development, Government of Yukon. There are no “fee simple” tracts or areas of “settlement land” within the property, and no areas where exploration rights are impaired, assuming proper permitting is in place. The property is located within the traditional territory of the White River First Nation (WRFN), which has not settled its land claim with the Crown. All entry-level work now requires “Class 1 Notification”, consisting of the submission of a Notification Form followed by a waiting period of up to 25 days, potentially extendable, for acceptance of the notification. Exploration programs involving significant mechanized trenching, diamond drilling, bulk sampling, road construction and other activities involving surface disruption require a Class 3 permit, whereby an application form is assessed by the Yukon Environmental and Socio-Economic Board (YESAB) which provides recommendations to a Decision Body prior to issuance of the actual permit.

All claims are privately held, with no royalties, back-in payments agreements or other encumbrances. There are no environmental liabilities known to this author. As of October, 2014 there are no permits in place on this property.

5. Accessibility, Climate, Local Resources, Infrastructure and Physiography

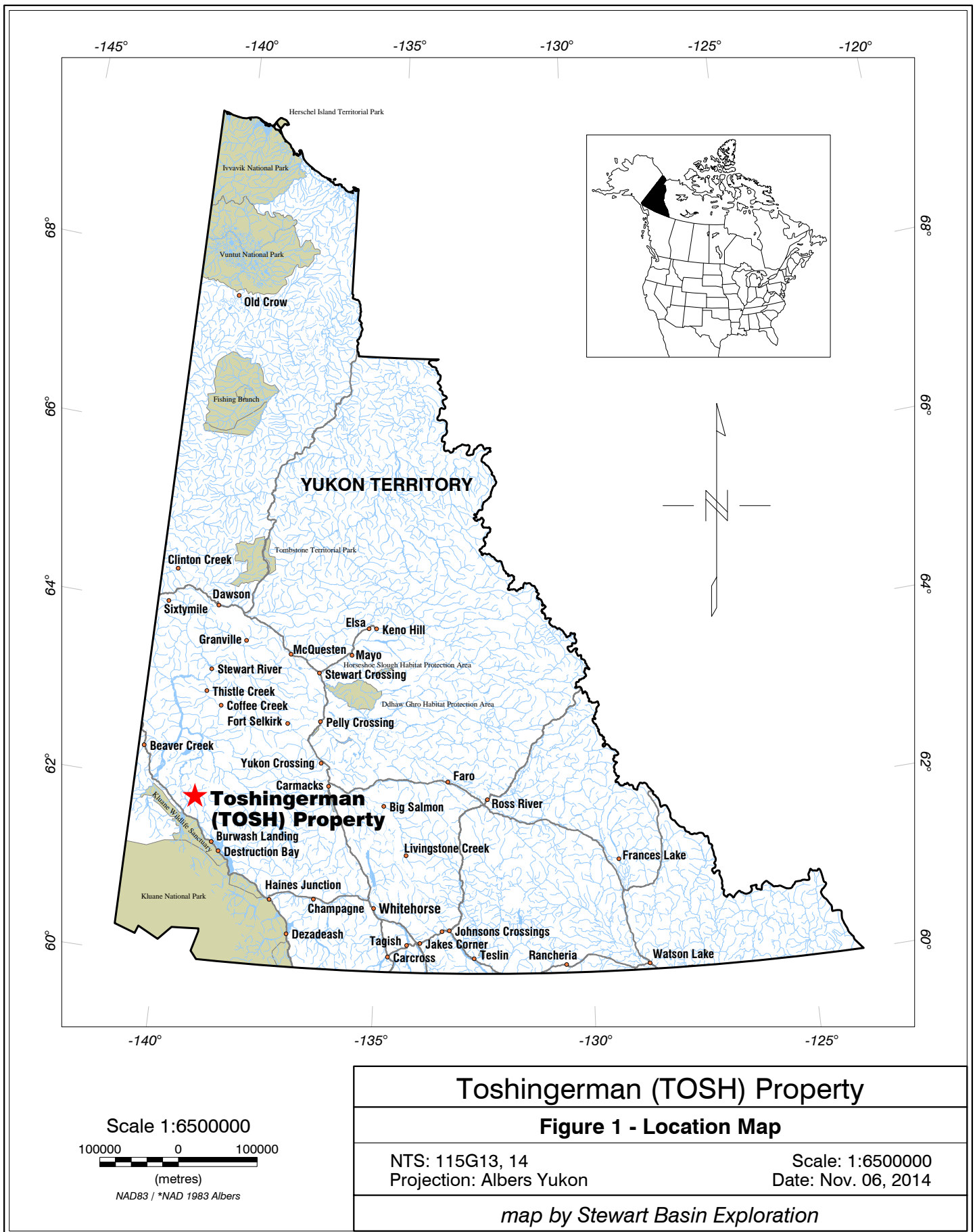
The property is located about 60 air-kilometres north of Burwash Landing, Yukon (pop. 95, 2011 census), a small community with a predominantly aboriginal population located directly along the Alaska Highway. Access is by small float plane from a road-accessible lodge along the Kluane River somewhat downstream of the outlet of Kluane Lake about 8 air-km north of Burwash Landing. The property is also located roughly 21.5 air- km northeast of the Donjek River Bridge along the Alaska Highway; however, the bridge is along the opposite side of the Kluane River and this proximity represents helicopter access only. The Donjek and Kluane Rivers are not considered navigable although small craft operated by experienced river pilots may be able to access the property. Limited grocery services, as well as adequate lodging and fuel services, are available at Destruction Bay (pop. 35, 2011 census), also along the Alaska Highway roughly 20 km south of Burwash Landing. Electric power to these communities is supplied by local diesel generators.

The area of the property that is the subject of this report consists mainly of the steep west flank of Birdland Ridge; this flank extends to the Kluane River which forms the approximate west boundary of the western property area. Elevations range from about 700 metres (2,300 feet) along the Kluane River to just over 1,500 metres (4,920 feet) along Birdland Ridge. Several streams drain this flank, resulting in

steep, locally inaccessible ravines. Outcrop exposure is fairly abundant at mid to high elevations, with local inaccessible areas, particularly along the stream channels, but is sparse to non-existent below about 850 metres of elevation. Vegetation consists of mature spruce forest at low elevations, mixed spruce and birch at middle elevations, and buckbrush with sparse spruce above the 1,300-metre level. The ridgeline is covered by alpine tundra. North facing slopes are locally covered by thick alder groves.

The property has a subarctic climate with warm summer and very cold winters. Average July temperatures range from 8°C to 22°C; however average January temperatures range from -15°C to -30°C, occasionally dipping to -45°C. Annual precipitation is light, averaging from 12 – 15 inches (305 to 380 millimetres) per year. The field season extends from late May until mid-September, although may be somewhat shorter at higher elevations.

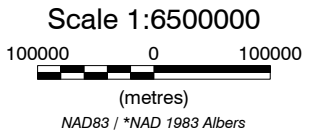
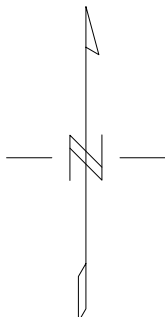
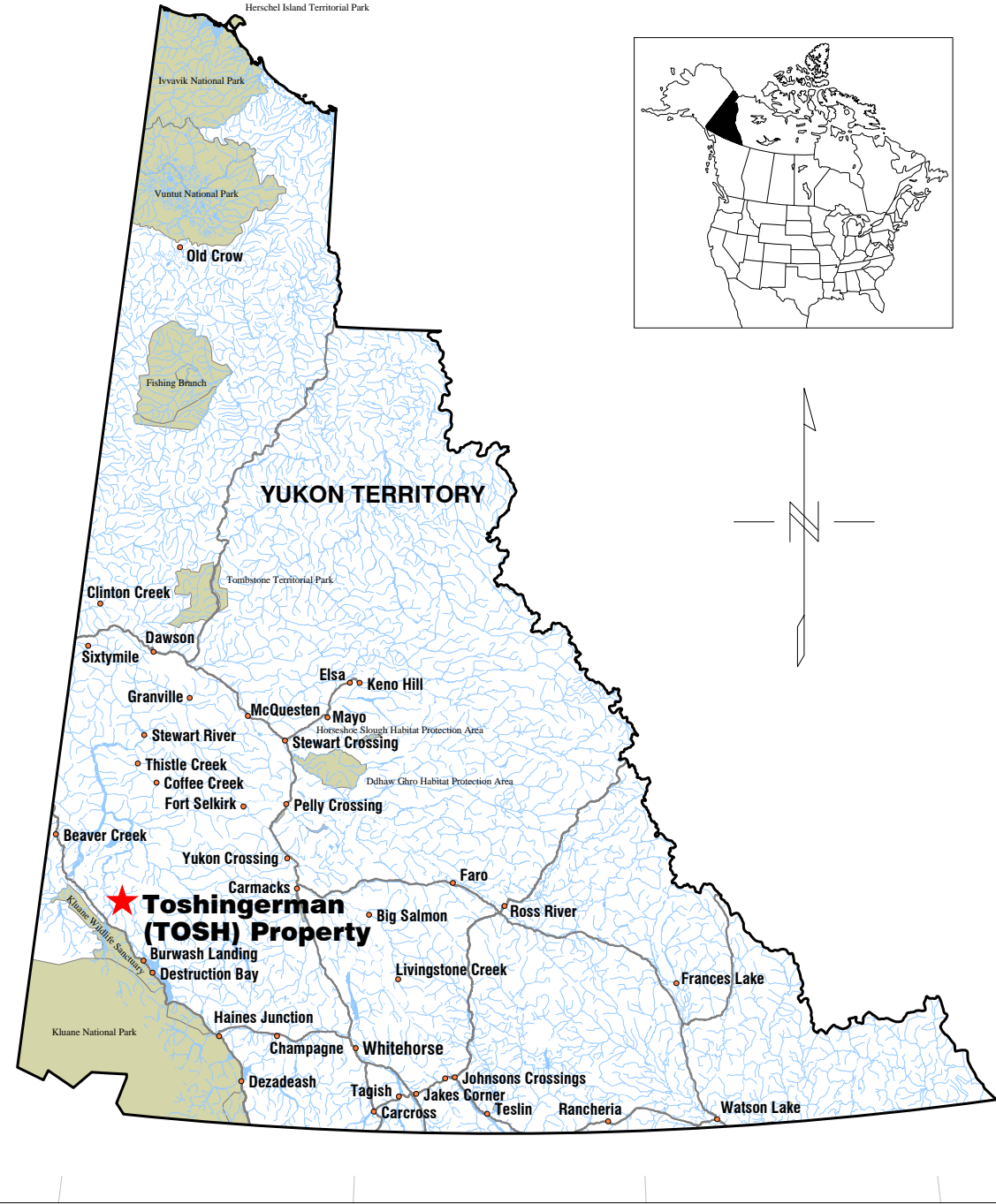
The property area is sufficiently large to contain mining, milling, mine tailings and other infrastructure necessary for extraction and containment, although these may not be feasible in certain property areas. Water for drilling and camp support is available from several streams, including one extending east from a saddle of Birdland Ridge. However, water for significant mining and milling operations would be available only from the Toshingermann Lakes or the Klwane River. Limited personnel for mining and exploration operations are available at Burwash Landing and Destruction Bay. However, the City of Whitehorse (2014 population, approx. 26,500), located about 300 road-km (227 air-km) southeast of Burwash Landing, is a full service city with a skilled workforce, as well as abundant accommodation, fuel, grocery and other supply services, as well as full government services.



-145° -140° -135° -130° -125° -120°

68°
66°
64°
62°
60°

68°
66°
64°
62°
60°

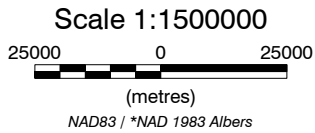
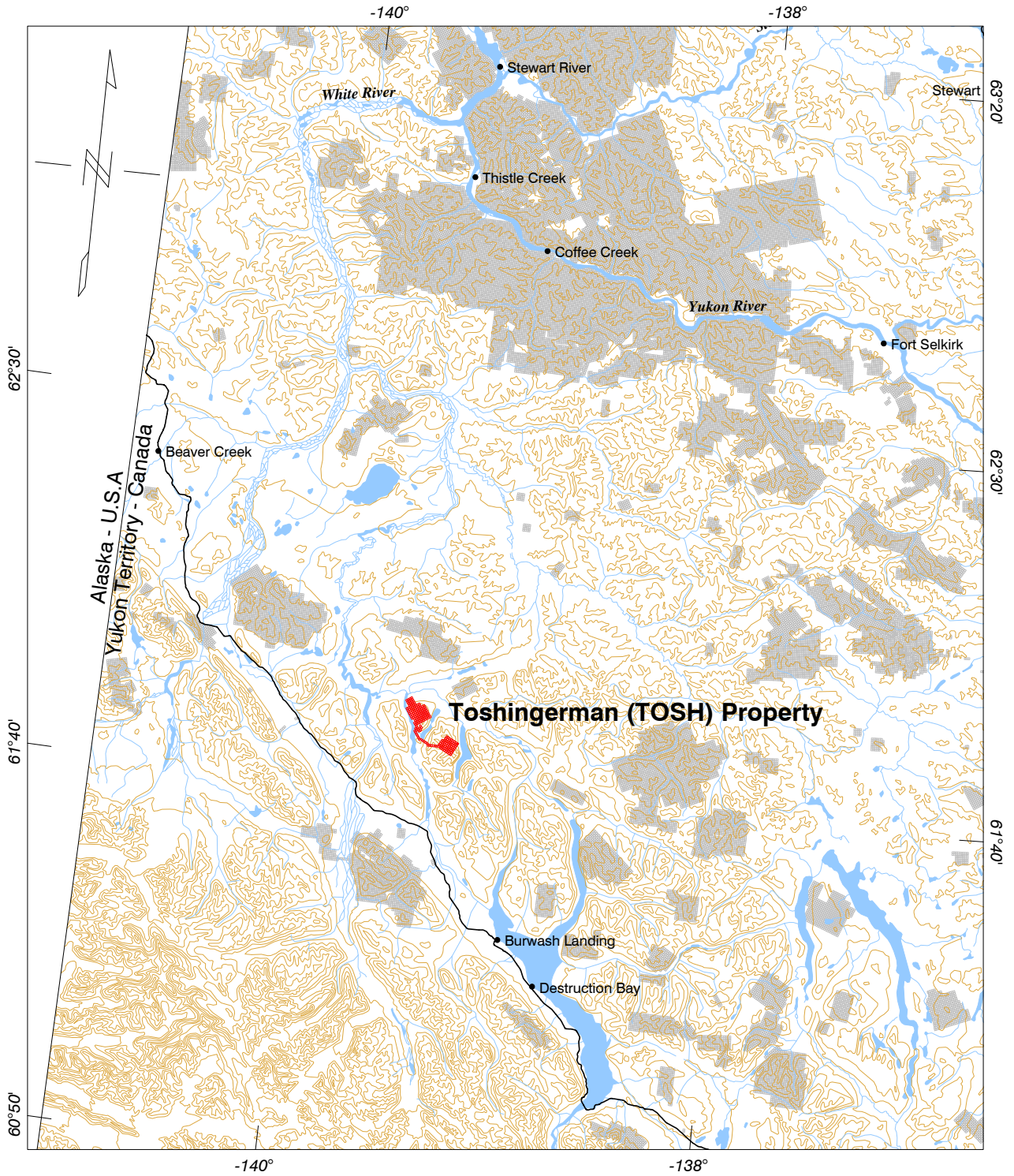


Toshingerman (TOSH) Property

Figure 1 - Location Map

NTS: 115G13, 14
 Projection: Albers Yukon
 Scale: 1:6500000
 Date: Nov. 06, 2014

map by Stewart Basin Exploration



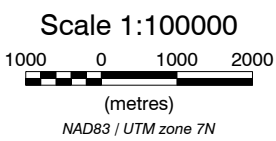
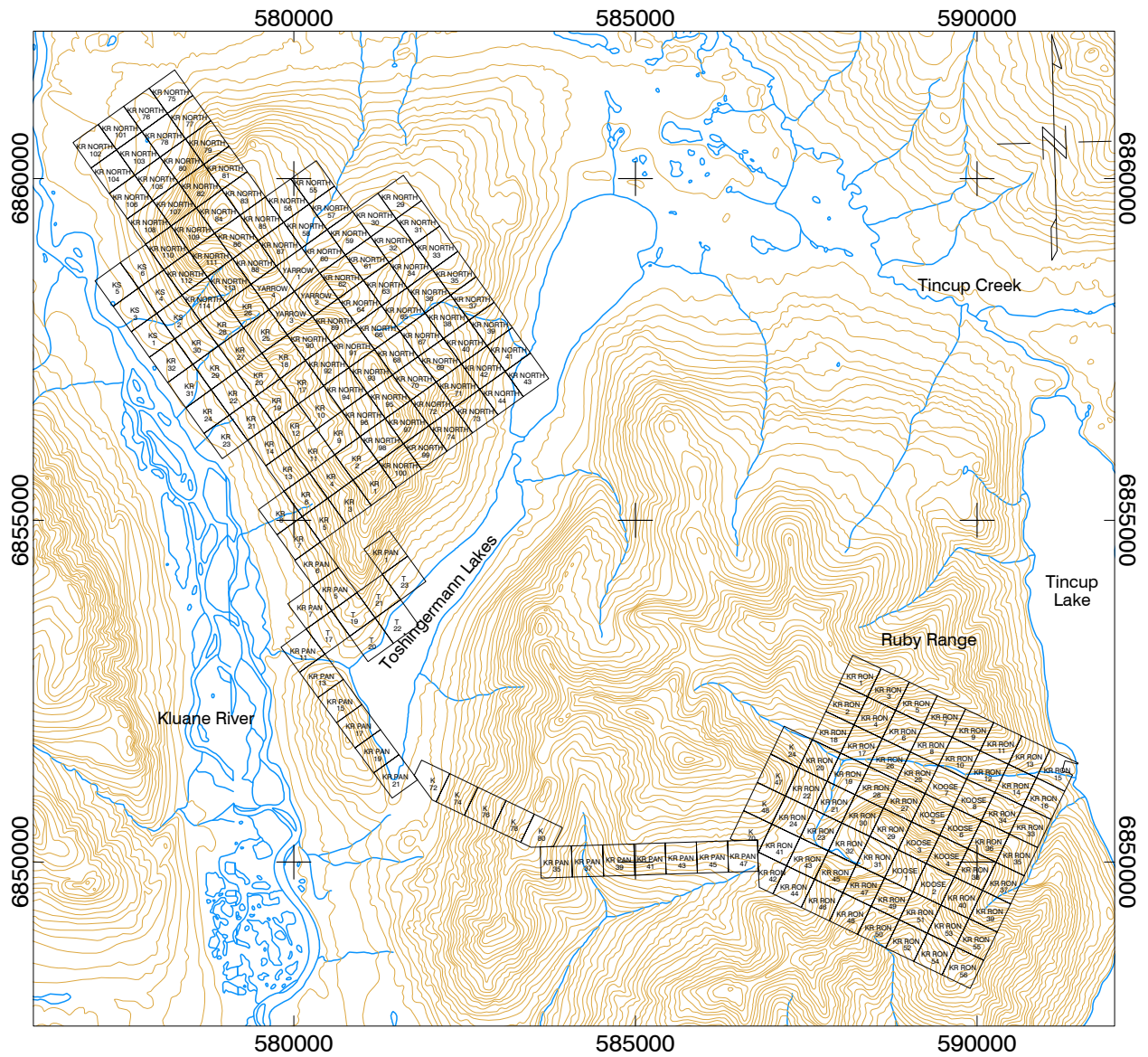
Toshingerman (TOSH) Property

Figure 2 - Regional Location Map

NTS: 115G13, 14
Projection: Albers Yukon

Scale: 1:6500000
Date: Nov. 06, 2014

map by Stewart Basin Exploration



All-Terrane Mineral Exploration Services

**Figure 3, TOSH Claim Location Map
Tosingerman (TOSH) Property, Tincup Lake Area**

NTS 115G13, 14
November 06, 2014

drawn by Stewart Basin Exploration

Table 1: Claim Status, Toshingermann (Tosh) Property

Grant No's	Claim Names	No of Claims	Expiry Date	Claim Holder
YC26710 - YC26739	KR 1	1	15/03/2021	Ron S. Berdahl - 100%
YC26710 - YC26740	KR 2	1	15/03/2020	Ron S. Berdahl - 100%
YC26710 - YC26741	KR 3	1	15/03/2022	Ron S. Berdahl - 100%
YC26713 - YC26723	KR 4 - 14	11	15/03/2020	Ron S. Berdahl - 100%
YC26724- YC26739	KR 17 - 32	16	15/03/2020	Ron S. Berdahl - 100%
YC94658 - YC94665	KOOSE 1-8	8	08/07/2021	18526 Yukon Inc. - 100%
YC94666 - YC94669	YARROW 1-4	4	24/07/2021	Ron S. Berdahl - 100%
YD30829 - YD30844	KR NORTH 29 - 44	16	27/08/2015	Ron S. Berdahl - 100%
YD30855 - YD30884	KR NORTH 55 - 84	30	27/08/2015	Ron S. Berdahl - 100%
YD30885 - YD30886	KR NORTH 85 - 86	2	27/08/2019	Ron S. Berdahl - 100%
YD30887 - YD30888	KR NORTH 87 - 88	2	27/08/2020	Ron S. Berdahl - 100%
YD30889 - YD30910	KR NORTH 89 - 110	22	27/08/2015	Ron S. Berdahl - 100%
YD30911 - YD30914	KR 111 - 114	4	27/08/2019	Ron S. Berdahl - 100%
YD30915	KR PAN 1	1	27/08/2015	Ron S. Berdahl - 100%
YD30919 - YD30921	KR PAN 5-7	3	27/08/2017	Ron S. Berdahl - 100%
YD30925	KR PAN 11	1	27/08/2017	Ron S. Berdahl - 100%
YD30927	KR PAN 13	1	27/08/2017	Ron S. Berdahl - 100%
YD30929	KR PAN 15	1	27/08/2017	Ron S. Berdahl - 100%
YD30931	KR PAN 17	1	27/08/2017	Ron S. Berdahl - 100%
YD30933	KR PAN 19	1	27/08/2017	Ron S. Berdahl - 100%
YD30935	KR PAN 21	1	27/08/2017	Ron S. Berdahl - 100%
YD30949	KR PAN 35	1	27/08/2017	Ron S. Berdahl - 100%
YD30951	KR PAN 37	1	27/08/2017	Ron S. Berdahl - 100%
YD30953	KR PAN 39	1	27/08/2017	Ron S. Berdahl - 100%
YD30955	KR PAN 41	1	27/08/2017	Ron S. Berdahl - 100%
YD30957	KR PAN 43	1	27/08/2017	Ron S. Berdahl - 100%
YD30959	KR PAN 45	1	27/08/2017	Ron S. Berdahl - 100%
YD30961	KR PAN 47	1	27/08/2017	Ron S. Berdahl - 100%
YD30963 - YD30980	KR RON 1 - 18	18	27/08/2015	Ron S. Berdahl - 100%
YD30981 - YD30982	KR RON 19 - 20	2	27/08/2017	Ron S. Berdahl - 100%
YD30983 - YD30988	KR RON 21 - 26	6	27/08/2015	Ron S. Berdahl - 100%
YD30989	KR RON 27	1	27/08/2020	Ron S. Berdahl - 100%
YD30990	KR RON 28	1	27/08/2018	Ron S. Berdahl - 100%
YD30991 - YD30994	KR RON 29-32	4	27/08/2015	Ron S. Berdahl - 100%
YD30995	KR RON 33	1	27/08/2017	Ron S. Berdahl - 100%
YD30996	KR RON 34	1	27/08/2019	Ron S. Berdahl - 100%
YD30997	KR RON 35	1	27/08/2017	Ron S. Berdahl - 100%
YD30998	KR RON 36	1	27/08/2020	Ron S. Berdahl - 100%
YD30999 - YD31018	KR RON 37-56	4	27/08/2015	Ron S. Berdahl - 100%
YE51010	K 70	1	28/06/2017	18526 Yukon Inc. - 100%
YE51012	K 72	1	28/06/2017	18526 Yukon Inc. - 100%
YE51014	K 74	1	28/06/2017	18526 Yukon Inc. - 100%
YE51016	K 76	1	28/06/2017	18526 Yukon Inc. - 100%
YE51018	K 78	1	28/06/2017	18526 Yukon Inc. - 100%
YE51020	K 80	1	28/06/2017	18526 Yukon Inc. - 100%
YE51037	T 17	1	28/06/2017	18526 Yukon Inc. - 100%
YE51039 - YE51043	T 19 - 23	5	28/06/2017	18526 Yukon Inc. - 100%
YE51264	K24	1	28/06/2017	18526 Yukon Inc. - 100%
YE51287 - YE51288	K 47 - 48	2	28/06/2017	18526 Yukon Inc. - 100%
YE51079 - YE51084	KS 1 - 6	6	19/08/2015	Carl Schulze 100%
	Total	196		

6. History

No evidence of prospecting or exploration work is known in the Tosh property area prior to 1989 – 1990 when prospecting, geological mapping and geochemical sampling was done by Mr. Ron Berdahl as follow-up to anomalous gold, arsenic and antimony values returned from stream sediment sampling by the Geological Survey of Canada. This program led to several discoveries, most notably the discovery of gold within a graphitic shear zone along “Malachite Creek”, marked by extensive fuchsite alteration. Chip sampling returned a value of 5,347 ppb (5.347 g/t) gold across 1.0m; the adjacent sample returned 808 ppb gold across 1.0m (S. Berdahl, 2014).

In 1990 Berdahl staked the JSB claim (YB27789), and in 1991 tied on the MBB claim (YB36203) and the JIB claim (YB27696) to the south of the JSB claim. Mr. Berdahl also staked the MPS claim (YB27845) roughly 12 kilometres to the southeast (Yukon Minfile, 2014). In 1991 the Noranda Exploration Company Ltd. performed a brief exploration program across the property, including several soil lines in the MPS claim area (now known as the Moose-Moose area). Results from the soil survey were positive, with values to 470 ppb gold across a broad area. Noranda also sampled the Malachite Creek showing, returning a value of 6,830 ppb gold from a grab sample. However, Noranda declined to perform further work on the property.

In 1994, Berdahl restaked the Malachite Creek prospect, covering it with the MBB 1-8 claims, and adding the JSB 1-16 claims to the northern boundary and the JIB 1-16 claims along the southern boundary. In 2004 Mr. Berdahl conducted a soil sampling program, collecting 499 soils between the Discovery area and the “Yarrow Zone”, the latter covering Birdland Ridge. Although much of the sampling was hampered by volcanic “White River Ash” and permafrost, the program did reveal numerous point anomalies returning gold values to 1,932 ppb, and a value of 1.4 g/t gold from a piece of quartz float northeast of the Discovery Area.

In 2009, Mr. Scott Berdahl conducted a brief VLF-EM survey west of the Yarrow Zone, identifying several north-northwest trending conductors. In 2011 and 2012, 18526 Yukon Inc. expanded the property considerably, and conducted grid soil sampling across the Yarrow Zone, including the higher elevations of the west flank of Birdland Ridge. The soil sampling program returned several kilometric-scale gold-in-soil anomalies, including the west-northwest trending Peska Trend towards the western limit of the soil grid. The Peska Trend, occurring southwest of the Yarrow Zone, also covers several VLF conductors identified in 2009.

The 2012 soil program also included grid soil sampling across the Moose-Moose trend to the east. This program established the presence of a 1.9-kilometre WNW – ESE trend of anomalous coincident gold-arsenic values, including values of 2445 and 5761 ppb gold. No further work has been done on this target.

7. Geological Setting and Mineralization

7.1 General Geology

The property area is underlain by a thick package of Yukon-Tanana Terrane, Devonian-Mississippian Nasina Assemblage fine to medium grained clastic metasediments with lesser carbonate horizons, in thrust fault contact with overlying Devonian to Cretaceous Windy-McKinley Terrane ultramafic rocks with lesser limestone to marble (Gordey and Makepeace, 2001, Geological Survey of Canada). In 2012, Steve Scott, a graduate student with Carleton University, identified three polydeformed, polymetamorphosed packages of rock comprising the Yukon-Tanana Terrane stratigraphy. These consist of a “lower package” of pre-late Devonian Snowcap Assemblage rocks consisting of interlayered psammite, psammite schist and lesser marble. The “middle package” is correlated with “Finlayson Assemblage” quartzite, pebble to cobble metaconglomerate and calcite marble. The “upper package”, correlated with the Klingit Assemblage”, consists of metavolcanic schist and amphibolite, calcite marble and layered psammite and psammitic schist (S. Berdahl, 2014, YMEP application). These descriptions fit well with earlier descriptions of Nasina Series rocks by Gordey and Makepeace as consisting of “dark grey to black, fine grained graphitic and non-graphitic quartzite, micaceous quartzite and quartz muscovite schist”.

Steve Scott has assigned the thrust-faulted package to the south as consisting of Chulitna Terrane, Late Triassic-aged Doghead assemblage mafic to ultramafic rocks (S. Berdahl, 2014). This also correlates well with descriptions of local Windy-McKinley Terrane rocks by Gordey and Makepeace as consisting of an “oceanic assemblage of ultramafic rocks, greenstone, chert and carbonate” (Gordey and Makepeace, 2001). Scott also states that the Chulitna Terrane assemblage underwent thrusting over the Yukon-Tanana rocks during the Jurassic period, resulting in a northwest-southeast striking, gently to moderately northeast dipping penetrative S2 foliation and associated upper greenschist to amphibolite metamorphism. At least one earlier deformation event in Yukon-Tanana rocks is indicated by D2 fold hinges as an older foliation as well as rootless isoclinal folds (S. Berdahl, 2014).

Two plutonic suites have been emplaced in the Yukon-Tanana Terrane in southwestern Yukon: the 99 – 105 Ma Nisling Range Granodiorite and the 64 Ma Ruby Range Batholith. These postdate regional deformation but predate regional-scale dextral transpressional faulting, which have caused offsetting of both intrusive suites. Although the age is poorly constrained, recent mapping by the Yukon Geological Survey suggests these may have been active during emplacement of the Ruby Range Batholith (D. Murphy, 2010).

7.2 Property Geology

Geological mapping in 2014 was confined to the ridgeline and west flank of Birdland Ridge. Mapping indicates that the entire area is underlain by lower package “Snowcap Assemblage” rocks, consisting of fine grained locally micaceous phyllite to psammite interbedded with quartzite and minor foliated limestone and banded marble (Map 1). Clastic units are uniformly dark grey to black, and fine grained

quartzite beds locally resemble chert. Bedding is consistently east-west to southeast-northwest, dipping gently to moderately northward. Bedding along Birdland Ridge is typically shallower than that observed at basal or mid-elevations of the west flank. Two sets of foliation measurements were recorded: a dominant foliation roughly subparallel to bedding, and a SSW – NNE striking, NNW-dipping set observed primarily in the southern part of the surveyed area. Fold axes typically extend north to north-northwest.

The only non-sedimentary rocks in this area consist of a mafic dyke a few metres in width, cross-cutting phyllite and marble towards the base of the west flank, and a second dyke to the northeast (Map 1). Both dykes strike WNW – ESE, and lack the pervasive foliation of the older host sediments, suggesting post-Jurassic emplacement. These are provisionally designated as members of the 99 – 105 Ma Nisling Range Granodiorite.

Numerous shear zones, commonly graphitic and associated with quartz veining, occur across the area mapped in 2014. These typically correspond to a well-developed NNW – SSE trending, steeply ENE dipping lineation extending across the property area and likely well beyond its boundaries. A second lineation is suggested by two WSW – ENE trending, steeply NNW dipping shear zones in the east-central mapped area; these are roughly parallel to foliation measurements in southern areas, suggesting a less pronounced though still pervasive lineation.

7.3 Mineralization

The 2014 program revealed at least three sizable mineralized horizons as well as numerous smaller shear-hosted occurrences, the latter particularly in northern areas. From east to west, and therefore from higher to lower elevations, these are: the Parker Zone, along the summit of Birdland Ridge; the Vaughan Zone, at an elevation of about 1,060m; and the Thelonious Zone, at an elevation of about 900 metres near the base of the west flank. The Parker Zone is located within the more widespread Yarrow Zone, the Vaughan Zone is located in the upper (east-central) portion of the Peska Trend, and the Thelonious Zone is located towards the lower (west-central) limit of the Peska Trend.

The Parker Zone is a discrete linear zone within the previously identified Yarrow Zone, the latter consisting of a widespread gold-in-soil anomaly. The Parker Zone is hosted by a NNW-SSE striking, steeply ENE dipping shear zone and consists of strongly brecciated thin-bedded quartzite to phyllite +/- quartz vein fragments. Although marked mainly by proximal rubblecrop along or directly west of the ridgeline, one outcrop exposure indicates a sharp contact between the strongly brecciated zone and adjacent metasediments, although fracturing and quartz veining extends several tens of metres into surrounding host rock. Brecciated rocks are also marked by variable scorodite content, local silicification, strong limonite staining, local graphitic shearing and local weak sericite development. Analysis of seven samples directly along the zone returned gold values ranging from 0.171 g/t gold (Au) with 14.6 g/t silver (Ag), 4,810 ppm (0.481%) lead (Pb) and 27 ppm antimony (Sb), to 6.77 g/t Au, 551 g/t Ag, 3.22% Pb and 716 ppm Sb. Five samples returned values greater than 1.0 g/t gold, and three returned values exceeding 3.0 g/t gold (Appendix 3a). Specifically, Sample RE5579577 represents a 0.7-metre chip sample across the eastern footwall of the Parker Zone; this returned 3.71 g/t Au, 159 g/t Ag,

6,980 ppm Pb, 2,450 ppm As and 140 ppm Sb. All samples are associated with strongly anomalous lead and antimony values, anomalous to strongly anomalous arsenic and anomalous zinc values. Samples also returned variable and commonly anomalous mercury (Hg), tin (Sn) and copper (Cu) values.



Figure 4: Sample RE5579571, Parker Zone



Figure 5: Sample RE5579574, Parker Zone



Figure 6: Sample 5579577, 0.7m chip sample, Parker Zone

The Parker Zone was identified partly from anomalous gold-in-soil values identified within the Yarrow Zone from the 2012 program. Follow-up rock sampling in 2014 led to identification of southward extension of this zone. Results of the soil geochemical program suggest the Parker Zone may extend up to 300 metres to the south and 300 metres to the north of the main sampled area, although anomalous gold-in-soil values to the north are intermittent. A composite grab talus float sample of similarly brecciated metasediments southeast of the Parker Zone returned a value of 3.54 g/t Au, 363 g/t Ag, 886 ppm Pb and 198 ppm Sb, suggesting multiple zones of gold and silver-bearing breccia zones occur. However, another composite grab sample of rubblecrop consisting of sheared and brecciated metasediments uphill of this returned only 0.053 g/t Au, 2.5 g/t Ag, 450 ppm Pb and 5 ppm Sb. This indicates strong variability in results of visually similar material along Birdland Ridge (Maps 3, 4).

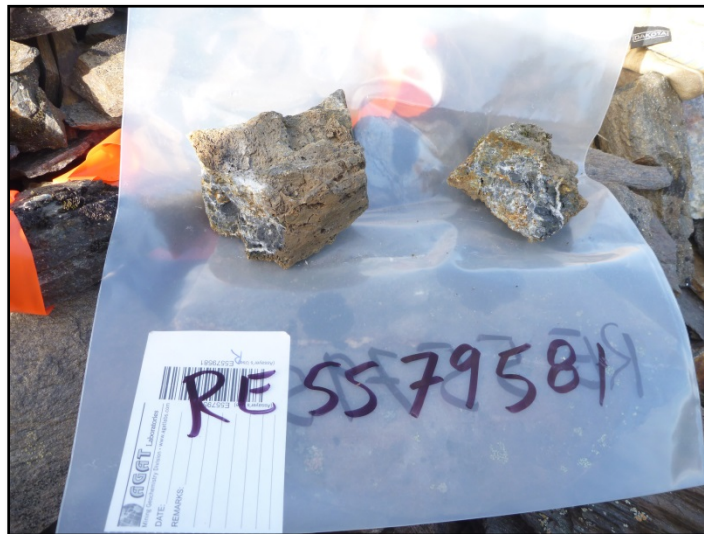


Figure 7: Sample RE5579581, Parker Zone area

The Vaughan Zone consists of a graphitic shear zone hosting abundant millimetre-scale quartz veining within the Peska Trend (Map 1). The Vaughan Zone was identified through follow-up of an anomalous gold-in-soil value of 374 ppb Au within the Peska Trend. Excavation of the soil site revealed rubblecrop of strongly brecciated graphitic phyllite to psammite, with up to 25% fine quartz veining and weak scorodite alteration. Analysis of two composite grab samples, RE5579583 and RE5579584 respectively, returned values of 0.162 g/t Au, 35.4 g/t Ag, 1,640 ppm Pb, 74 g/t Sb and 399 ppm Zn; and 0.487 g/t Au with 42.0 g/t Ag, 2,110 ppm Pb, 114 ppm Sb and 200 ppm Zn respectively. The latter sample also returned a strongly anomalous phosphorous (P) value of 10.800 ppm (1.08%). Mapping along a stream channel to the northwest revealed a zone at least 25 metres in width of similarly sheared graphitic phyllite, also hosting abundant fine quartz veining and minor scorodite staining. Sampling returned low gold values, although with a similar pathfinder signature. The highest gold value was returned from Sample RE5579588, a 1.0-metre chip sample which returned a value of 0.070 g/t Au with 16.1 g/t Ag, 867 ppm Pb, 58 g/t Sb and 538 ppm Zn, as well as 15,200 ppm P. Plotting of the two graphitic occurrences suggests they conform to a NNW-SSE trending shear zone roughly parallel to the Parker Zone.



Figure 8: Samples RE5579583, RE5579584, at soil anomaly, Vaughan Zone



Figure 9: RE5579588, NE Contact, Vaughan Zone



Figure 10: Vaughan Zone, looking NE

Note: A sample of banded quartz-scorodite float taken directly upstream of the graphitic zone returned a value of 3.46 g/t Au, 1,146 g/t Ag, 7.60% Pb and 1,850 ppm Sb. This more closely resembles Parker Zone-style mineralization; although the source is unknown, it is not Vaughan Zone-style mineralization.

The Thelonious Zone is located towards the western, lowest limit of the Peska Trend (Map 1). The Thelonious Zone is represented by a zone of strong silicification and limonitization at least 10 metres wide. Close inspection revealed banded silicification along bedding, hosting from trace to 10% pyrite, and locally up to 1% chalcopyrite. The zone is also associated with grey to white quartz veining attaining widths to 1.4 metres. The zone is centered along a shear zone striking at 350° , dipping at -50° to the east, again roughly similar to the Parker Zone. However, sampling returned low metal values, ranging from background to a maximum of 0.044 g/t Au, 1.1 g/t Ag and 468 ppm Cu from a 1.2-metre chip sample. Several samples returned moderately anomalous manganese (Mn) values and weakly anomalous Sb values.



Figure 11: Thelonious Zone



Figure 12: Close-up, Thelonious Zone

Mapping along the stream extending between the Vaughan and Thelonious Zone revealed numerous strongly limonitic zones, commonly associated with shearing. These returned low to background metal values with the exception of the most upstream sample, which returned 0.080 g/t Au, 1.4 g/t Ag and 11 ppm Sb from a 0.65-metre chip sample of sheared quartzite. Similarly, sampling along a southern stream returned low to background metal values with the exception of Sample RE5579626, a grab sample towards the upstream (northeastern) limit of sampling, which returned a value of 0.029 g/t Au with 1.6 g/t Ag, 373 ppm Cu, 5 ppm Sb and 152 ppm Zn.

Follow-up composite grab sampling of a 2012 gold-in-soil value of 51.7 ppb Au in the Peska Trend southeast of the Vaughan Zone returned a value of 0.113 g/t Au with 3.6 g/t Ag, 276 ppm Pb, 15 ppm Sb and 559 ppm Zn. A 1.1-metre chip sample taken from a nearby outcrop returned a value of 0.026 g/t Au with 3.4 g/t Ag, 76.5 ppm Pb, 19 ppm Sb and 136 ppm Zn, a similar though more subdued pathfinder signature. Both samples display veining and/or brecciation, a fabric more similar to the Parker Zone than the Vaughan Zone.

Numerous showings of white “bull” quartz occur along or near Birdland Ridge. The quartz is unmineralized, and sampling of these returned background gold values.



Figure 13, Saddle, Birdland Ridge

8. Deposit Types

The most viable potential mineralized setting is that of orogenic gold-silver mineralization. In this setting, fluid movement and mineral emplacement is controlled by deep-seated crustal faults with the absence of any intrusion-related fluid movement. This type of setting is also marked by linear structural corridors, as well as a lack of hornfelsing, lack of contact metamorphic minerals typified by skarns, and a lack of metal or mineral zonation typical of intrusion-related systems (Hart and Lewis, 2005). The geochemical signature is similar to that of the Upper Hyland River area, where gold-bearing mineralized zones have recently been determined to be of orogenic alteration. In both the Tosh and Upper Hyland River areas, auriferous mineralization is associated with arsenopyrite +/- galena or anomalous lead values. Both areas host sizable quartz veins, although auriferous mineralization known to date at the Tosh property occurs within linear zones of brecciated metasediments +/- quartz fragments.

Although two intrusive suites are known within the Yukon-Tanana Terrane in southwestern Yukon, there are no sizable intrusions known in the property area. Intrusive units are limited to two mafic dykes with no adjacent hornfelsing or metasomatic mineralization, which are unlikely to control mineralization. The property area visited in 2014 does not exhibit any intrusion-related alteration, such as silicification or argillic alteration, which commonly occurs within intrusion-related systems.

9. Exploration

9.1 Exploration

The 2014 program consisted of detailed geological mapping, prospecting, rock sampling and grid soil sampling along the west flank of Birdland Ridge. The soil grid, established utilizing a GPS with pre-determined co-ordinates and marked with flagging tape, is an extension of the 2012 soil grid. A total of 56 rock and 200 soil samples were taken. One line in the north-central area was omitted due to probable presence of a bear.

Rock sampling results were covered in Section 7.3: Mineralization. Soil sampling returned low metal values across the majority of the project area. A roughly NNW – SSE trending area of anomalous gold values ranging from 0.016 to 0.134 g/t within the Peska Trend extends SSE from directly downslope of the Vaughan Zone. This extends intermittently but quite linearly to just south of the southern stream (Map 5). Gold along this trend shows a strong correlation with zinc (Map 9) and antimony (Map 8), a moderate to strong correlation with arsenic (Map 7), and a moderate correlation to silver (Map 6), although silver values are merely weakly anomalous. Gold and pathfinder values also show a strong correlation with phosphorous, indicating a very similar signature to rock samples from the Vaughan Zone. Anomalous zinc values cover a larger downslope area, suggesting increased mobility compared with gold.

Soil geochemical results indicate a single sample, SE5579792, located in the Peska Trend, returned a value of 0.260 g/t Au with 0.6 g/t Ag, 780 ppm As, 123 ppm Zn and 5 ppm Sb, 100 metres downslope of

the Vaughan Zone anomaly. The geochemical signature is sufficiently distinct to suggest a separate setting, which has not undergone follow-up exploration.

Another single-point anomaly is represented by Sample SE5579852, northwest of the Vaughan Zone anomaly. This returned a value of 0.211 g/t Au with 0.6 g/t Ag, 370 g/t As, 160 ppm Zn and 10 ppm Sb. The sample taken immediately downslope shows some metal enrichment due to dispersion. This signature is more similar to Sample SE5579792 rather than the Vaughan Zone anomaly.

Several widely spaced samples towards the lower limit of sampling were returned from the northwestern limit of the grid. These returned gold values from 0.028 to 0.058 g/t Au with strongly elevated arsenic values but only weakly elevated Zn and Sb values.

This author has reviewed results from year-2012 sampling directly upslope of this zone, which is near the uphill limit of the 2014 sampling, and has confirmed that earlier sampling did not return high metal values. This indicates anomalous results pertain to a local source rather than down-slope dispersion of mineralization in the Yarrow Zone.

9.2 Personnel

The following personnel were involved with the 2014 field program:

Carl Schulze, BSc, PGeo:	Project Manager and Chief Geologist
Kelinda (Kel) Sax, BSc:	Geologist
Emily Ankrah:	Field Technician
Laura McIntyre:	Field Technician

Fixed wing support services were supplied by Rocking Star Adventures Ltd. of Burwash Landing, Yukon. Sample analysis was performed by Agat Laboratories Inc., with a prep lab in Whitehorse and an analytical lab in Mississauga, Ontario. GIS and digitizing services were performed by Mr. Robert Stirling, head of Stewart Basin Enterprises, based in Whitehorse, Yukon.

10.0 Sample Preparation, Analysis and Security

10.1 Sampling Preparation

All geochemical sampling was subject to rigorous parameters, including detailed descriptions of each sample. Rock samples were obtained using an Estwing rock hammer or a "Geotool" hammer, and located in the field using a non-differential Global Positioning System (GPS) instrument. Samples were placed in plastic bags designed specifically for rock sampling. A tag with the unique sample number, supplied by Agat Laboratories, was placed in the bag; the sample number was written on both sides of the bag using "Magic Markers". The sample numbers were also written on a soft metal "Butter Tag";

the tags were attached to the sample locations in the field. All samples, including soil samples, are accompanied by a photograph of the sample site.

Rock samples were recorded as to location (UTM – NAD 27C, converted to NAD 83 for plotting purposes), sample type (grab, composite grab, chip, etc.), exposure type (outcrop, rubblecrop, float, etc.), formation, lithology, modifier (for textural or structural descriptions), colour, degrees of carbonate presence and silicification, other alteration if applicable, economic mineralization including estimated amounts, date, sampler and comments (Appendix 3). Minimum sample weight was 0.5 kg, although samples tend to be larger than this. Care was taken during rock sampling to obtain as representative a sample as possible, including a comprehensive description of sample types. Chip samples are most representative of true grades, followed by composite grabs, then by single piece grab samples.

Soil samples were taken by a 1.5-metre long hand auger to assist with depth penetration. Soil samples were recorded as to location (UTM – NAD 27C, converted to NAD 83 during plotting), horizon, depth, slope angle, colour, presence of permafrost, vegetation type, surficial geology, fragment lithology (if known), percent organics, date, sampler and comments. If a particular parameter could not be determined, particularly for fragment lithology, no record was made. Samples were preferably taken of C-horizon material, although sampling of A or B horizon soil was done where C-horizon material was unavailable. This was preferable to omitting the sample. The minimum original sample weight was 0.25 kg. Sample numbers supplied by Agat Laboratories were scratched onto a small metal “butter tag” and tied on to the station location. Samples were placed in kraft bags, with a tag supplied by Agat showing the unique sample number placed in the bag, and the sample number written in “Magic Marker” on both sides of the bag. The bags were then dried as much as possible before shipping.

Variability in results of soil sampling may be caused by depth of overburden, slope angle, vegetative cover, if any, and outcrop exposure, with lower values expected in flat areas with thick overburden. Gold ions are less mobile also; thus samples with high copper-gold ratios may reflect transport distance rather than low bedrock gold values.

Field data was entered into Microsoft Excel spreadsheet format, and later matched with analytical results. This process was continually re-checked to ensure the correct results are associated with the particular descriptions.

The routine and repetitive methodology of soil sampling should eliminate any chance of bias; metal values should accurately represent actual amounts per site. Soil anomalies may be transported, depending on slope and groundwater conditions; detailed records of slope, vegetation, soil conditions are made to determine probability of transportation. Despite rigorous sampling parameters, it is still possible for a nugget to enter the sample and provide an isolated high value; this is called the “Coarse Gold Effect”.

Care was taken during rock sampling to obtain as representative a sample as possible, including a comprehensive description of sample types. Chip samples are most representative of true grades, followed by composite grabs, then by single-piece grab samples.

10.2 Sample Analysis and Security

All rock samples were placed in thick plastic industry standard sample bags, sealed with thick plastic serrated “Zap Straps” and sent in a similarly sealed rice bag to a preparatory laboratory of Agat Laboratories at Whitehorse, Yukon, an analytical laboratory with ISO 9001:2000 certification and ISO/IEC 17025 certification. Sealed rice bags were personally handed by Carl Schulze directly to AGAT Labs. All rock samples were crushed to ensure that 75% of the material passed through a 2mm (10-mesh) screen using a Jones riffler splitter or rotary split. The resulting material was then pulverized so that 85% of the material could pass through a 75-micron size (200-mesh) screen; then a 50-gram sample of this underwent fire assay analysis with atomic absorption finish. This technique provides gold analysis ranging from 0.001 to 10.0 g/t gold.

Soil samples were dried at 60° C, and then underwent crushing in order that 75% of the material passed through a 2mm (10-mesh) screen using a Jones riffler splitter or rotary split. The resulting material was then pulverized so that 85% of the material could pass through a 75-micron size (200-mesh) screen; the fine fraction then underwent gold analysis by 30-gram fire assay with ICP – AES finish, providing a detection limit of 0.001 g/t Au. A Rocklabs Boyd Crusher with RSD combo and TM-2 Pulverisers are routinely utilized during preparation of all samples, including core samples (AGAT website, 2012).

All samples were also analyzed by 45-element ICP to test for abundances of Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Ga, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn and Zr. Values for Ag exceeding 100 g/t from ICP analysis were re-analyzed by gravimetric analysis. Values for As and Pb exceeding 10,000 ppm (1.0%) were analyzed by over limit analysis.

Agat Labs provides comprehensive in-house quality-control, using numerous blanks to test for any potential contamination, confirming that no detectable contamination has occurred. Agat also conducts repeated in-house standard sampling for all 45 elements involved in ICP analysis and gold to determine accuracy of analysis. The lab also incorporates more limited analysis of standard samples with known element concentrations provided by several outside firms.

11.0 Data Verification

The program area has not undergone previous exploration so little data verification, other than that supplied by Agat Laboratories, has been done. However, due-diligence sampling was done at one 2009 sample location previously returning 2.911 g/t Au with 169g/t Ag along the north flank of the saddle of Birdland Ridge; this returned a value of 3.54 g/t Au with 363 g/t Ag (Sample RE5579581). Pathfinder element values of both samples are roughly similar; the 2009 sample returned values of 911.8 ppm As, 345.7 ppm Pb, 69 ppm Zn and 124.8 ppm Sb, compared with 2014 values of 688 ppm As, 886 ppm Pb,

228 ppm Zn and 198 ppm Sb. Interestingly, this is the only 2014 sample to return an above-background value of bismuth, at 59 ppm Bi, compared with the 2009 value of 11.3 ppm.

This author has reviewed results from year-2012 sampling directly upslope of the 2014 surveyed area, just upslope of the Vaughan Zone, and has confirmed that the 2012 sampling did not return high metal or pathfinder values. Therefore, high metal values in the Vaughan Zone anomaly reflect local sources within the surveyed area, likely related to the graphitic shear zone(s), rather than transported anomalies caused by downslope dispersion.

12. Mineral Processing and Metallurgical Testing

There has been no mineral processing or metallurgical testing on the property to date.

13. Mineral Resource Estimates

No mineral resource estimates have been done on mineralized prospects within this property

14. Adjacent Properties

There are no adjacent properties to the TOSH property, either presently (October, 2014) or in the recent past.

15. Other Relevant Data

The White River First Nation (WRFN) has not reached a land claims settlement with the Government of Canada, although land selection for its Class A and Class B settlement areas has been completed. The traditional territory of the WRFN is currently subject to "Class 1 Notification", stating that any holder of mining claims must submit a notification of any proposed work, subject to a 25-day review period, potentially extendable, prior to commencing operations. If no reply is provided within 25 days, the claim holder may proceed with their program.

To the best of this author's knowledge there is no other information or explanation necessary to make this report understandable and not misleading.

16. Interpretation and Conclusions

16.1 Interpretation

Exploration in 2014 led to discovery of three sizable mineralized zones: the Parker, Vaughan and Thelonious zones, as well as numerous smaller occurrences, indicating that widespread and abundant mineralization occurs within the western property area. The Parker Zone is located within the Yarrow Zone, the Vaughan Zone is located in the uphill portion of the Peska Trend, and the Thelonious Zone is located towards the lower (west-central) limit of the Peska Trend. All three major zones and the majority of occurrences are located along NNW – SSE trending structural features represented by brecciation +/- quartz veining, silicification and, along the Vaughan Zone, graphitic alteration. These structural features belong to a common NNW – SSE trending lineation covering the 2014 program area and likely across the entire property area.

The Parker Zone is by far the most prospective of the three zones. Although mainly identified through rubblecrop, a 0.7-metre chip sample returning 3.71 g/t Au with 159 g/t silver taken in 2014 indicates strong mineral potential for this zone. Precious metal values in rock samples show a strong association with As, Sb and Pb, and a moderate association with Zn. Year-2012 soil sampling revealed strong Au values typically associated with strong Ag, variable As and moderate Pb, Sb and Zn values along strike of the zone. Diminishing anomalous values downslope represent dispersion from the source. Soil sampling in 2012 suggests the zone extends at least 300 metres SSE of the 2014 sampled area. A series of anomalous gold values located 300 metres along strike to the north suggests continuation of the Parker Zone to the north, although mineralization may be intermittent. The terrain along Birdland Ridge is gentle to moderate, improving viability of further exploration, including drilling.

Several other anomalous gold-in-soil values with associated dispersion trains elsewhere along Birdland Ridge were returned from the 2012 sampling. One 2009 sample location was re-sampled in 2014, confirming gold presence and similarity of mineralized fabric to the Parker Zone. It is likely that these represent similarly mineralized occurrences to the Parker Zone. The 2012 program also returned numerous anomalous gold-in-soil values to 295.1 g/t roughly 750 – 1,100 SSE along strike of the sampled area of the Parker Zone. The pathfinder element signature is similar, although with higher Ag: Au and Sb: Au ratios. At this exploration stage, it is inconclusive whether this represents an actual extension of the Parker Zone.

A soil sample returning 634.3 g/t Au is located about 200 metres WSW of this anomalous trend. Two 2014 rock samples in this area returned weakly anomalous gold values with a similar pathfinder signature. Although these showed silicification and were limonitic, the source of the strongly anomalous gold-in-soil value has not been identified. Still, this area warrants follow-up surface exploration.

The Vaughan Zone, marked by very strong graphitic alteration and fine banded quartz veining, is associated with much higher Ag: Au and Sb: Au ratios than the Parker Zone. Sampling returned anomalous values at the site of a high 2012 gold-in-soil value, but merely weakly elevated gold values from year-2014 rock sampling to the north. The 2014 soil sampling revealed a moderate gold-in-soil

anomaly extending roughly 800 metres SSE from the Vaughan Zone (Map 5). A 2012 soil sample returning 137.8 ppb Au with a similar pathfinder element signature is located within this trend.

Year-2014 rock sampling along the stream near the northern limit of the Vaughan trend returned low gold values, although fairly high gold-in-soil samples in the area suggests some potential for higher bedrock gold values. The extent of the anomalous gold-in-soil trend indicates a sizable zone, with gold values similar to, and locally exceeding, those corresponding to known gold-in-rock values at the Parker Zone. The heavily vegetated nature of the Vaughan Zone anomaly, including well developed soil profiles, tends to subdue anomalous values, improving potential for significant mineralized zones.

Although the Thelonious Zone exhibits strong silicification and sulphide mineralization, including localized banded chalcopyrite, gold and silver values were low to near-background. Pathfinder element values of Sb and Zn are weakly elevated, and values for other elements are near-background. No significantly anomalous metal values were returned from nearby soil sampling. Therefore, although visually striking, the Thelonious Zone does not represent a target for further exploration.

The lack of intrusive bodies in the property area and lack of anomalous bismuth values from the 2012 and 2014 geochemical surveys supports the hypothesis put forth by S. Berdahl that mineralization is of orogenic origin. The NNW – SSE trending structural lineation likely represents surface expressions of deep seated, crustal faulting. The mineralization does exhibit zonation moving west from Birdland Ridge from an area of high Au and Ag values along the Parker Zone and related occurrences within the Yarrow Zone, through an area of much higher Ag: Au ratios and Sb: Au ratios at the Vaughan Zone within the Peska Trend, to areas of nearly barren sulphide mineralization at the Thelonious Zone. The highest potential for economic gold-silver mineralization occurs along and east of the Parker Zone. Exploration viability of the Parker Zone is enhanced further by the gentle to moderate terrain and alpine vegetation along Birdland Ridge, as opposed to steep terrain and locally thick forest at the Vaughan and Thelonious zones.

The westernmost limits of the 2014 soil lines extend onto areas of thick colluvium and/or glacial till, which would mask any anomalous geochemical signatures pertaining to bedrock mineralization. Still, no sizable zones have been identified west of the Vaughan Zone and associated soil anomaly.

Although the Koose-Koose Zone soil anomaly was not visited in 2014, the high gold-arsenic values returned and distinct WNW-ESE trend suggest the presence of a significant mineralized zone(s). High gold-in-soil values suggest grades may be higher than those of the Yarrow Zone. The anomalous trend is open in both directions (S. Berdahl, 2014). The Koose-Koose Zone is centered about 14 kilometres southeast of the Yarrow Zone, suggesting orogenic-style mineralization extends across at least a large property-scale, and potentially district-scale, area.

16.2 Conclusions

The following conclusions may be made from results of the 2014 exploration program, combined with results from programs in 2009 and 2012:

- The 2014 program revealed three sizable mineralized zones; from east to west these are the Parker Zone, within the more widespread Yarrow Zone, and the Vaughan and Thelonious Zones within the Peska Trend. All follow structural zones conforming to a NNW – SSE trending lineation across the western TOSH property area.
- The Parker Zone, occurring along or near the summit of “Birdland Ridge” in the Yarrow Zone soil anomaly, has the highest mineral potential. Five 2014 samples returned values exceeding 1.0 g/t Au; three of these exceed 3.0 g/t Au, all with high Ag values. Interpretation of 2012 soil geochemical results suggest the zone extends at least 300 metres to the NNW and SSE of the sampled area. 2012 results also indicate the presence of several other zones with a similar mineralogy.
- The Vaughan Zone is marked by strong graphitic shearing with millimetre-scale quartz veining within fine grained phyllite. Composite grab sampling of rubblecrop at the site of a 2012 gold-in-soil anomaly returned anomalous Au and Ag values; however sampling of similar material to the NNW returned low precious metal values. 2012 and 2014 soil sampling revealed an area of anomalous precious metal values extending SSE for 800 metres of the rubblecrop area. The pathfinder assemblage is distinct from that of the Parker Zone.
- The Thelonious Zone consists of strongly silicified phyllite to quartzite hosting up to 10% pyrite and minor chalcopyrite. Although visually impressive, rock sampling returned low precious metal values. Soil sampling nearby did not reveal any notable geochemical signatures.
- High potential for significant gold-silver mineralization occurs within the Parker Zone area and territory to the east. This is enhanced by the gentle to moderate relief and unforested nature of Birdland Ridge, rendering further exploration feasible. The Vaughan Zone has some potential for significant mineralization; however the steep terrain and wooded nature of the area will hamper exploration somewhat.
- The lack of intrusive units, other than two small mafic dykes, combined with consistently background values of bismuth strongly support the hypothesis of an orogenic setting of mineralization, rather than an intrusion-related setting. The NNW – SSE trending lineation likely reflects deep-seated crustal structural features acting as feeder zones for mineralized fluids.
- The Koose-Koose Zone soil anomaly suggests the presence of a 1.9-kilometre linear mineralized zone, open in both directions, roughly 14 km SE of the Yarrow Zone. High gold-in-soil values suggest higher bedrock grades than those of the Parker Zone.
- The mineralized system identified from the 2014 program is likely at least at the large property-scale of extent, with potential for a significantly larger extent.

17. Recommendations

17.1 Recommendations

A two-phased exploration program is recommended as follow-up to the 2014 exploration program, focusing mainly on the Yarrow Zone, with some further work on the Vaughan Zone area of the Peska Trend. The Phase 1 program, commencing in mid-June, will consist of detailed geological mapping and rock sampling, particularly near previously identified gold-in-soil anomalies, along the Yarrow Zone, the southeastern portion of the Peska Trend and the southern extension of the Vaughan Zone anomaly. The program would be conducted by a two-person crew consisting of a geologist and an experienced prospector over a nine-day period commencing in mid-June. The camp would be based at the saddle of Birdland Ridge, where sufficient water for camp activities exists. This phase can be augmented by a second eight - day program of detailed geological mapping and rock sampling across the Koose-Koose trend.

Support would be by helicopter staged from the Donjek River Bridge. Permanent helicopter services are available at Haines Junction; queries to Yukon-based helicopter services should be made prior to the field season to determine whether temporary services will be based in Burwash Landing or Destruction Bay at an appropriate time.

No further work is recommended for the area west (downhill) of the Vaughan Zone, due to low metal values returned from soil sampling. The exception is an area of moderately elevated gold and pathfinder values in the extreme northwestern project area, which may warrant some further follow-up work, depending on helicopter availability.

Phase 2 will consist of a 750-metre diamond drilling program, with 500-metres tentatively allocated to the Parker Zone and 250 metres targeting other targets established from Phase 1. Two holes would be drilled from each of three set-ups to test down-dip extent of the zone intercept, if any, from the shallower hole of each collar location. This plan can be modified based on results from Phase 1 and the initial holes from each. Some ridgeline locations may require minimal pad-building prior to drilling.

The program may commence in late July to early August, following compilation of Phase 1 results. The camp would be at the same location as that of Phase 1, and consist of ten personnel: two pad builders, 4 drillers, a project geologist, a technician, cook and on-site helicopter pilot. The pad builders would help construct and deconstruct the camp but would not be present at the same time as the drill crew. Helicopter costs for fuel mobilization directly into camp may be reduced by having the fuel required for actual mobilization and demobilization, including that of the drill crews and equipment, based at the Donjek River Bridge.

Proposed expenditures for Phase 1 including 15% contingency, stand at **CDN\$34,292**. If Phase 1 includes a second sub-phase across the Koose-Koose trend, this figure, including 15% contingency, stands at **CDN\$56,164**. Phase 2 expenditures, including 10% contingency, stand at **CDN\$537,084**. Total for both phases (excluding the Koose Koose trend sub-phase) stand at **CDN\$571,376**.

17.2 Recommended Budget

17.2.1 Recommended Budget, Phase 1 (excluding Koose-Koose Trend)

Permitting: 1.5 days @ \$640/day:	\$ 960
Pre-program preparation:	\$ 2,180
Personnel: Project Geologist; 10 days @ \$640/day:	\$ 6,400
Personnel: Geologist; 10 days @ \$450/day:	\$ 4,500
Mileage: 298 km @ \$0.62/km (rounded):	\$ 370
Camp Rentals: 9 days @ \$65/day:	\$ 585
Helicopter: 4.8 hrs @ \$1,200/hr:	\$ 5,760
Rock sampling: 96 samples @ \$34/sample:	\$ 3,264
Travel meals:	\$ 80
Groceries: 16 person-days:	\$ 800
Supplies:	\$ 450
Field total:	\$25,349
Digitization: 17 hours @ \$60/hr:	\$ 1,020
Report Writing: 5 days @ \$640/day:	\$ 3,200
Project Total:	\$29,819
15% contingency:	\$ 4,473
Phase 1 Total:	\$34,292

17.2.2 Phase 2 Recommended Budget

Permitting:	\$ 1,920
Regulatory fees:	\$ 350
Pre-program preparation:	\$ 6,480
Project Geologist:	\$ 18,560
Technician: 29 days @ \$375/day:	\$ 10,875
Camp Manager: 29 days @ \$500/day:	\$ 14,500
Cook: 28 days @ \$500/day:	\$ 14,000
Drilling: 750m @ \$175/m, all-in:	\$175,000
Drilling mobilization - demobilization:	\$ 6,000
Drill equipment rental: 17 days @ \$50/day:	\$ 850
Down-hole testing:	\$ 800
Down-hole testing rental:	\$ 2,000
Pad building (including camp construction, tear-down): 12 days @ \$1,000/day:	\$ 12,000
Pad building supplies:	\$ 2,400
Diesel fuel:	\$ 26,078
Propane:	\$ 390
Mileage: 1,790 km @ \$0.62/km:	\$ 1,110
Helicopter (A-Star): 60.4 hrs @ \$1,800/hr, including fuel:	\$108,720
Core sampling: 300 samples @ \$34/sample:	\$ 10,200
Assay "standards":	\$ 225
Expeditor:	\$ 8,000
Travel meals:	\$ 450
Office supplies (camp):	\$ 650
Camp gear rentals: 26 days @ \$300/day:	\$ 7,800
Groceries: 202 person-days @ \$50/day:	\$ 10,100
Gear purchasing:	\$ 21,000
Field Supplies:	\$ 2,000
Core boxes:	\$ 3,000
Other expenses (mainly lumber):	\$ 2,400
Generator rental:	\$ 2,000
Satellite system rental and installation:	\$ 7,500
Hand-held radio rental: 260 unit-days @ \$5/day:	\$ 1,300
	Field Total: \$478,658
Digitization, 45 hours @ \$60/hr plus supplies:	\$ 3,050
Report Writing: 10 days @ \$640/day:	\$ 6,550
	Project Sub-Total: \$488,258
	10% Contingency: \$ 48,826
	Proposed Total: \$537,084

18. References

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Yukon Geology Survey, Energy Mines and Resources, 2014: Website at <http://www.geology.gov.yk.ca/>

Yukon Mining Recorder, Energy, Mines and Resources, 2014: Website at <http://www.yukonminingrecorder.ca/>

Appendix 1. Certificate of Author

I, Carl M. Schulze, PGeo, hereby certify that:

a) I am a self-employed Consulting Geologist and sole proprietor of:

All-Terrane Mineral Exploration Services
35 Dawson Rd
Whitehorse, Yukon Y1A 5T6

b) This certificate applies to the technical report entitled: "Report on Geological Mapping, Rock and Soil Geochemical Sampling on the Toshingermann (Tosh) Gold Project, 10526 Yukon Inc." dated Oct 31, 2014 (the "Assessment Report").

c) I am a graduate of Lakehead University, Bachelor of Science Degree in Geology, 1984. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), Lic No. 25393. I have worked as a geologist for a total of 27 years since my graduation from Lakehead University.

d) My most recent personal inspections of the property occurred from August 6 – 15, 2014, for an elapsed period of 9 actual field days.

e) I am responsible for all Sections of the Assessment Report.

f) I am independent of Mr. S. Berdahl and 18526 Yukon Inc. as defined by Section 1.5 of the Instrument.

g) I have no prior involvement with the Property that is the subject of the Technical Report.

h) I have read the Instrument and the Technical Report. This is a report filed with the Yukon Mineral Exploration program (YMEP), Ministry of Energy, Mines and Resources, Government of Yukon, and is not meant to be filed with any Securities Commission,

h) At the effective date of the assessment report, to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the report not misleading.

Dated this 27th Day of November, 2014

Carl Schulze

"Carl Schulze"

Carl Schulze, BSc, Peg
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Whitehorse, Yukon Y1A 5T6
Telephone: 867-633-4807
Fax: 867-633-4883
E-mail: allterrane@northwestel.net

Appendix 2: Actual Assessable Expenditures, 2014 Program, Tosh Project

Personnel: Project Geologist: 87.25 hrs @ \$62.50/hr:	\$ 5,453.13
Field Geologist: 9 days @ \$350/day:	\$ 3,150.00
Technician 1: 9.5 days @ \$325/day:	\$ 3,087.50
Technician 2: 9.5 days @ \$285/day:	\$ 2,707.50
Mileage: 1,196 km @ \$0.62/km:	\$ 741.52
Rock samples: 56 samples @ \$34.00/sample + 5% surcharge:	\$ 1,999.20
Overlimits: additional costs + 5% surcharge	\$ 185.85
Soil samples: 200 samples @ \$28.25/sample + 5% surcharge	\$ 5,886.83
Recording fees (new claims)	\$ 63.00
Fixed Wing Support (2 x 4 round-trip flights) + surcharge:	\$ 4,347.00
Daily Field Expenses: 36 person/days @ \$100/day:	\$ 3,600.00
Field supplies + 5% Surcharge:	\$ 382.95
WCB: \$14,398.13 x 0.0525%:	\$ 755.90
Field Total:	\$32,360.38
Data Compilation, Report Writing: 65 hrs @ \$62.50/hr:	\$ 2,562.50
Digitization, Map Presentation: 4.0 days @ \$350/day + 5% premium:	\$ 1,575.00
Total Assessable Expenditures:	\$36,497.88

Appendix 3: Sample Descriptions and Results

Appendix 3a: Rock Sample Descriptions and Results

Appendix 3b: Soil Sample Descriptions and Results

APPENDIX 3B: SOIL SAMPLE DESCRIPTIONS

2014 Program, Tosh Property
18526 Yukon Inc.

Sample No.	Eastings (UTM NAD 27C)	Northing (UTM NAD 27C)	Eastings (UTM NAD 83)	Northing (UTM NAD 83)	Traverse (Station)	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost (yes/no?)	% Coarse Fragments	Vegetation	% Organics	Date	Sampler	Comments
SE5579610	578059	6858287	577928	6858457				Mod	dk brn	N		Con		Aug 8/14	KS	Silt, minor sand
SE5579611	578170	6858287	578039	6858457				Mod	med brn	N				Aug 8/14	KS	20% clay, 20% silt, 60% angular rock frags
SE5579660	578673	6858910	578542	6859080	Ln B	B	30	S	dk brn	N	5	CV	25	Aug 9/14	Emily	
SE5579661	578663	6858887	578532	6859057	Ln B	B	50	S	brn	N	5	CV	10	Aug 9/14	Emily	
SE5579662	578604	6858876	578473	6859046	Ln B	B	50	S	brn	N	5	CV	5	Aug 9/14	Emily	
SE5579663	578568	6858849	578437	6859019	Ln B	A	40	S	brn	N	5	CV	5	Aug 9/14	Emily	
SE5579664	578536	6858806	578405	6858976	Ln B	B	60	S	dk brn	N	5	CV/ALD	5	Aug 9/14	Emily	
SE5579665	578487	6858780	578356	6858950	Ln B	B	60	S	dk brn	N	5	CV/POP	25	Aug 9/14	Emily	
SE5579666	578442	6858757	578311	6858927	Ln B	B	30	S	lt brn	N	5	CV/POP	20	Aug 9/14	Emily	
SE5579667	578398	6858733	578267	6858903	Ln B	B	70	S	lt brn	N	5	CV/POP	15	Aug 9/14	Emily	
SE5579668	578353	6858695	578222	6858865	Ln B	B	80	S	lt brn	N	5	CV	5	Aug 9/14	Emily	
SE5579669	578317	6858676	578186	6858846	Ln B	A	80	S	grey	N	3	CV	3	Aug 9/14	Emily	
SE5579670	578264	6858652	578133	6858822	Ln B	A/B	80	S	grey/brn	N	3	CV	5	Aug 9/14	Emily	
SE5579671	578231	6858618	578100	6858788	Ln B	A	60	M/S	grey/brn	N	3	CV	5	Aug 9/14	Emily	
SE5579672	578178	6858574	578047	6858744	Ln B	B	60	M/S	grey/brn	N	5	CV	5	Aug 9/14	Emily	
SE5579673	578116	6858527	577985	6858697	Ln B	B	60	M/S	grey/brn	N	5	CV	5	Aug 9/14	Emily	muddy
SE5579674	578115	6858553	577984	6858723	Ln B	A	70	M/S	brn	N	5	CV	5	Aug 9/14	Emily	
SE5579675	578063	6858510	577932	6858680	Ln B	B	70	M/S	brn	N	5	CV	5	Aug 9/14	Emily	
SE5579676	578024	6858487	577893	6858657	Ln B	A	70	M/S	brn	N	5	CV	5	Aug 9/14	Emily	
SE5579677	577990	6858461	577859	6858631	Ln B	A	40	M/S	lt brn	N	5	CV	5	Aug 9/14	Emily	
SE5579678	578993	6858376	578862	6858546	Ln H	B	40	S	blk	N	10	CV/ALD	20	Aug 10/14	Emily	
SE5579679	578968	6858346	578837	6858516	Ln H	B	60	S	drk brn	N	10	CV/ALD	15	Aug 10/14	Emily	
SE5579680	578914	6858329	578783	6858499	Ln H	B	90	S	drk brn	N	10	ALD	15	Aug 10/14	Emily	
SE5579681	578864	6858303	578733	6858473	Ln H	B	90	S	drk brn	N	15	ALD	15	Aug 10/14	Emily	by creek
SE5579682	578822	6858275	578691	6858445	Ln H	B	40	S	lt brn	N	15	CV/POP	5	Aug 10/14	Emily	
SE5579683	578779	6858247	578648	6858417	Ln H	B	40	S	lt brn	N	10	CV/POP	10	Aug 10/14	Emily	
SE5579684	578741	6858223	578610	6858393	Ln H	B	40	S	lt brn	N	10	POP	10	Aug 10/14	Emily	
SE5579685	578688	6858203	578557	6858373	Ln H	B	40	S	brn	N	10	POP	10	Aug 10/14	Emily	
SE5579686	578651	6858172	578520	6858342	Ln H	B	60	S	brn	N	10	CV	10	Aug 10/14	Emily	
SE5579687	578603	6858147	578472	6858317	Ln H	B	50	S	brn	N	10	CV	10	Aug 10/14	Emily	
SE5579688	578567	6858120	578436	6858290	Ln H	B	50	M	beige	N	5	CV/POP	5	Aug 10/14	Emily	
SE5579689	578522	6858097	578391	6858267	Ln H	B	80	M	grey/brn	N	10	CV/POP	10	Aug 10/14	Emily	muddy
SE5579690	578480	6858068	578349	6858238	Ln H	B	80	S	grey/brn	N	5	CV/POP	5	Aug 10/14	Emily	
SE5579691	578433	6858046	578302	6858216	Ln H	B	70	S	grey/brn	N	5	CV/POP	5	Aug 10/14	Emily	
SE5579692	578394	6858018	578263	6858188	Ln H	B	60	S	grey/brn	N	5	CV/ALD	5	Aug 10/14	Emily	
SE5579693	578351	6857992	578220	6858162	Ln H	B	80	S	grey/brn	N	5	CV/ALD	5	Aug 10/14	Emily	
SE5579694	578685	6857905	578554	6858075	Ln J	B	80	M	grey/brn	N	5	CV	3	Aug 10/14	Emily	
SE5579695	578461	6857932	578330	6858102	Ln J	B	50	M	grey/brn	N	10	CV	10	Aug 10/14	Emily	
SE5579696	578507	6857969	578376	6858139	Ln J	B	50	M	gr	N	3	CV	10	Aug 10/14	Emily	
SE5579697	578544	6858000	578413	6858170	Ln J	B	70	M	brn	N	5	CV	5	Aug 10/14	Emily	muddy
SE5579698	578595	6858016	578464	6858186	Ln J	B	70	M	brn	N	5	CV	5	Aug 10/14	Emily	
SE5579699	578628	6858049	578497	6858219	J	B	70	M	grey/brn	N	10	CV	5	Aug 11/14	Emily	
SE5579700	578672	6858071	578541	6858241	J	B	80	S	brn	N	10	CV	5	Aug 11/14	Emily	
SE5579701	578713	6858103	578582	6858273	J	B	70	S	brn	N	5	CV	10	Aug 11/14	Emily	
SE5579702	578761	6858117	578630	6858287	J	B	70	S	beige	N	5	ALD	5	Aug 11/14	Emily	
SE5579703	578802	6858147	578671	6858317	J	B	60	S	brn	N	10	CV/ALD	10	Aug 11/14	Emily	

Sample No.	Eastings	Northings	Eastings	Northings	Traverse	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost	% Coarse	Vegetation	% Organics	Date	Sampler	Comments
	(UTM NAD 27C)	(UTM NAD 27C)	(UTM NAD 83)	(UTM NAD 83)	(Station)					(yes/no?)	Fragments					
SE5579704	579248	6858101	579117	6858271	M	B	80	S	grey	N	10	ALD	10	Aug11/14	Emily	
SE5579705	579206	6858067	579075	6858237	M	A/B	80	S	drk brn	N	10	ALD	25	Aug11/14	Emily	muddy
SE5579706	579163	6858035	579032	6858205	M	A	90	S	drk brn	N	0	CV/ALD	60	Aug11/14	Emily	
SE5579707	579124	6858014	578993	6858184	M	A	70	S	drk brn	N	0	CV/ALD	50	Aug11/14	Emily	wet
SE5579708	579075	6857990	578944	6858160	M	A	100	S	lt brn	N	3	ALD/POP	0	Aug11/14	Emily	
SE5579709	578997	6857951	578866	6858101	M	B	80	M	brn	N	8	CV/ALD	15	Aug11/14	Emily	
SE5579710	578956	6857893	578825	6858063	M	A	80	M	brn	N	3	CV/ALD	10	Aug11/14	Emily	
SE5579711	578818	6857827	578687	6857997	M	A	90	G	drk brn	N	5	CV/ALD	60	Aug11/14	Emily	
SE5579712	578745	6857759	578614	6857929	M	A	90	G	drk brn	Y	0	ALD	80	Aug11/14	Emily	
SE5579713	578706	6857735	578575	6857905	M	A/B	90	G	drk brn	N	10	CV/ALD	40	Aug11/14	Emily	
SE5579714	578651	6857705	578520	6857875	M	A/B	90	G	grey/brn	N	15	CV/ALD	20	Aug11/14	Emily	
SE5579715	578616	6857676	578485	6857846	M	A/B	70	G	grey/brn	N	15	CV/ALD	20	Aug11/14	Emily	
SE5579716	578571	6857649	578440	6857819	M	A	70	G	black	Y	0	CV	80	Aug11/14	Emily	
SE5579717	579413	6857674	579282	6857844	Ln R	A/B	60	S	grey/brn	Y	15	CV/ALD	45	Aug12/14	Emily	
SE5579718	579370	6857636	579239	6857806	Ln R	A/B	70	S	grey/brn	Y	15	CV/ALD	30	Aug12/14	Emily	
SE5579719	579333	6857616	579202	6857786	Ln R	B	80	S	grey/brn	N	15	ALD	25	Aug12/14	Emily	
SE5579720	579301	6857561	579170	6857731	Ln R	A/B	100	S	dk brn	N	10	ALD	70	Aug12/14	Emily	
SE5579721	579204	6857528	579073	6857698	Ln R	B	80	S	grey/brn	N	10	ALD	25	Aug12/14	Emily	
SE5579722	579148	6857502	579017	6857672	Ln R	B	70	S	grey/brn	N	15	ALD	15	Aug12/14	Emily	
SE5579723	579099	6857475	578968	6857645	Ln R	A/B	70	S	grey/brn	N	15	ALD	20	Aug12/14	Emily	
SE5579724	579019	6857435	578888	6857605	Ln R	B	90	S	lt brn	N	10	CV/POP	3	Aug12/14	Emily	
SE5579725	578972	6857406	578841	6857576	Ln R	B	100	S	brn	N	5	CV	0	Aug12/14	Emily	
SE5579726	578932	6857389	578801	6857559	Ln R	B	100	S	brn	N	5	CV/ALD	10	Aug12/14	Emily	
SE5579727	578890	6857367	578759	6857537	Ln R	B	90	M	brn	N	10	CV	10	Aug12/14	Emily	
SE5579728	579214	6857677	579083	6857847	Ln Q	B	70	S	lt brn	N	5	POP	3	Aug12/14	Emily	
SE5579729	579252	6857704	579121	6857874	Ln Q	B	80	S	lt brn	N	10	POP	10	Aug12/14	Emily	
SE5579730	579117	6857699	578986	6857869	Ln Q	B	80	S	lt brn	N	5	CV	5	Aug12/14	Emily	
SE5579731	579120	6857637	578989	6857807	Ln Q	B	80	S	lt brn	N	5	POP	5	Aug12/14	Emily	
SE5579732	579294	6857900	579163	6858070	Ln P	B	90	S	dk grey	N	15	CV/POP	3	Aug13/14	Emily	
SE5579733	579264	6857871	579133	6858041	Ln P	B	90	S	brn	Y	10	CV/POP	5	Aug13/14	Emily	
SE5579734	579220	6857843	579089	6858013	Ln P	B	80	S	brn	N	15	CV/POP	10	Aug13/14	Emily	
SE5579735	579174	6857816	579043	6857986	Ln P	A	70	S	drk brn	Y	10	CV/ALD	40	Aug13/14	Emily	
SE5579736	579144	6857780	579013	6857950	Ln P	A	70	S	drk brn	Y	20	CV/ALD	40	Aug13/14	Emily	
SE5579737	579039	6857733	578908	6857903	Ln P	A	70	S	drk brn	Y	10	CV/ALD	40	Aug13/14	Emily	
SE5579738	579014	6857702	578883	6857872	Ln P	A	80	S	drk brn	N	10	CV/ALD	25	Aug13/14	Emily	
SE5579739	578965	6857671	578834	6857841	Ln P	A	90	S	drk brn	N	10	CV/ALD	35	Aug13/14	Emily	
SE5579740	578890	6857610	578759	6857780	Ln P	A	80	S	drk brn	Y	3	CV	50	Aug13/14	Emily	
SE5579741	578855	6857572	578724	6857742	Ln P	A	80	S	drk brn	N	10	CV	50	Aug13/14	Emily	
SE5579742	578807	6857566	578676	6857736	Ln P	A	80	S	drk brn	N	10	CV/ALD	50	Aug13/14	Emily	
SE5579743	578754	6857541	578623	6857711	Ln P	A	70	S	drk brn	N	5	CV/ALD	60	Aug13/14	Emily	
SE5579744	578222	6858141	578091	6858311	Ln F	B	70	S	brn	N	5	CV	5	Aug13/14	Emily	
SE5579745	578315	6858191	578184	6858361	Ln F	B	60	M	grey	N	10	CV/ALD	10	Aug13/14	Emily	
SE5579746	578355	6858230	578224	6858400	Ln F	B	70	M	dk grey	N	10	CV/ALD	10	Aug13/14	Emily	
SE5579747	578392	6858249	578261	6858419	Ln F	B	70	S	brn	N	10	CV/POP	5	Aug13/14	Emily	
SE5579748	578901	6858699	578770	6858869	Ln E	B	50	S	brn	N	5	CV	5	Aug14/14	Emily	
SE5579749	578866	6858683	578735	6858853	Ln E	A	90	S	black	N	3	CV	50	Aug14/14	Emily	
SE5579750	578835	6858651	578704	6858821	Ln E	B	40	S	brn	N	5	CV	10	Aug14/14	Emily	
SE5579751	578785	6858628	578654	6858798	Ln E	B	60	S	brn	N	10	BUCK	5	Aug14/14	Emily	
SE5579752	578735	6858596	578604	6858766	Ln E	B	60	S	brn	N	5	CV	0	Aug14/14	Emily	
SE5579753	578701	6858576	578570	6858746	Ln E	B	80	S	brn	N	5	CV	15	Aug14/14	Emily	
SE5579754	578671	6858515	578540	6858685	Ln E	A	40	S	brn	N	10	POP	20	Aug14/14	Emily	
SE5579755	578628	6858490	578497	6858660	Ln E	A	40	S	brn	N	10	POP	10	Aug14/14	Emily	
SE5579756	578196	6858259	578065	6858429	Ln E	A	60	M	black	Y	0	CV	70	Aug14/14	Emily	
SE5579757	578147	6858231	578016	6858401	Ln E	A	50	M	black	Y	0	CV	65	Aug14/14	Emily	
SE5579760	578727	6859095	578596	6859265	A	B	30	60	Brown	no		con.	5	aug 9th	LM	
SE5579761	578705	6859051	578574	6859221	A	A	10	60	Brown	no		buck	20	aug 9th	LM	
SE5579762	578667	6859024	578536	6859194	A	B	20	50	Brown	no		con.		aug 9th	LM	

Sample No.	Eastings (UTM NAD 27C)	Northing (UTM NAD 27C)	Eastings (UTM NAD 83)	Northing (UTM NAD 83)	Traverse (Station)	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost (yes/no?)	% Coarse Fragments	Vegetation	% Organics	Date	Sampler	Comments
SE5579763	578624	6858989	578493	6859159	A	B	30	70	Brown	no		con		aug 9th	LM	
SE5579764	578579	6858964	578448	6859134	A	B	30	40	Brown	no		buck	5	aug 9th	LM	
SE5579765	578545	6858937	578414	6859107	A	B	40	20	Brown	no		buck		aug 9th	LM	
SE5579766	578496	6858916	578365	6859086	A	B	40	20	Brown	no		buck		aug 9th	LM	
SE5579767	578456	6858868	578325	6859038	A	B	30	30	Brown	no		buck		aug 9th	LM	
SE5579768	578414	6858847	578283	6859017	A	B	20	30	Brown	no		con		aug 9th	LM	
SE5579769	578363	6858827	578232	6858997	A	B	60	70	Brown	no		con		aug 9th	LM	
SE5579770	578333	6858808	578202	6858978	A	B	40	50	Brown	no		con		aug 9th	LM	
SE5579771	578318	6858799	578187	6858969	A	B	40	60	Brown	no		con		aug 9th	LM	
SE5579772	579174	6858269	579043	6858439	K	B	20	20	Brown	no		con		aug 10th	LM	
SE5579773	579135	6858249	579004	6858419	K	B	30	30	Brown	no		con		aug 10th	LM	
SE5579774	579094	6858217	578963	6858387	K	B	50	40	Brown	no		con		aug 10th	LM	
SE5579775	579049	6858190	578918	6858360	K	B	40	40	Brown	no		con		aug 10th	LM	
SE5579776	579009	6858166	578878	6858336	K	B	80	40	Brown	no		con		aug 10th	LM	
SE5579777	578963	6858135	578832	6858305	K	B	30	50	Brown	no		con		aug 10th	LM	
SE5579778	578927	6858100	578796	6858270	K	B	60	60	Brown	no		con		aug 10th	LM	
SE5579779	578882	6858079	578751	6858249	K	B	120	40	Brown	no		con		aug 10th	LM	
SE5579780	578830	6858068	578699	6858238	K	B	40	70	Brown	no		con		aug 10th	LM	15 m off of line- too steep.
SE5579781	578793	6858033	578662	6858203	K	B	100	65	Brown	no		con		aug 10th	LM	
SE5579782	578759	6857993	578628	6858163	K	B/C	100	50	Brown	no	20	con		aug 10th	LM	
SE5579783	578717	6857971	578586	6858141	K	B	60	50	Brown	no	15	buck		aug 10th	LM	
SE5579784	578676	6857944	578545	6858114	K	B	40	50	Brown	no	5	buck		aug 10th	LM	
SE5579785	578585	6857890	578454	6858060	K	B	60	65	Brown	no	5	buck		aug 10th	LM	
SE5579786	578547	6857861	578416	6858031	K	B	60	65	Brown	no	5	buck		aug 10th	LM	
SE5579787	578506	6857829	578375	6857999	K	B	80	55	Brown	no	5	buck		aug 10th	LM	
SE5579788	578524	6857737	578393	6857907	L	B	80	30	Brown	no	5	con		aug 10th	LM	
SE5579789	578600	6857799	578469	6857969	L	B	60	30	Brown	no		con		aug 11th	LM	
SE5579790	578686	6857846	578555	6858016	L	B	60	30	Brown	no		con		aug 11th	LM	
SE5579791	578891	6857980	578760	6858150	L	B	50	40	Brown	no		con		aug 11th	LM	
SE5579792	578940	6858009	578809	6858179	L	B	40	40	Brown	no		buck		aug 11th	LM	
SE5579793	578979	6858039	578848	6858209	L	B	60	50	Brown	no		buck		aug 11th	LM	Not sure what happened to my UTM coordinates.
SE5579794	579020	6858067	578889	6858237	L	B	50	50	Brown	no		buck		aug 11th	LM	
SE5579795	579523	6857975	579392	6858145	N	A/B	60	40	black/brown	yes		con		aug 11th	LM	
SE5579796	579209	6857948	579078	6858118	N	A	60	40	black.	yes		con		aug 11th	LM	
SE5579797	579177	6857923	579046	6858093	N	B	70	40	brown	yes		con		aug 11th	LM	
SE5579798	579132	6857887	579001	6858057	N	B	80	60	brown	no		con		aug 11th	LM	
SE5579799	579087	6857864	578956	6858034	N	B	30	60	brown	no		con		aug 11th	LM	
SE5579800	579049	6857840	578918	6858010	N	B	50	40	brown	no		buck		aug 11th	LM	
SE5579801	579006	6857808	578875	6857978	N	B	80	40	brown	no		con		aug 11th	LM	
SE5579802	578927	6857747	578796	6857917	N	B	110	60	brown	no		con		aug 11th	LM	
SE5579803	578885	6857726	578754	6857896	N	A	70	60	black	yes		con		aug 11th	LM	
SE5579804	578840	6857697	578709	6857867	N	A	60	50	black	yes		con		aug 11th	LM	
SE5579805	578803	6857670	578672	6857840	N	B	60	50	brown	no		con		aug 11th	LM	
SE5579806	578750	6857637	578619	6857807	N	B	40	50	brown	no		con		aug 11th	LM	
SE5579807	578719	6857611	578588	6857781	N	B	60	50	brown	no		con		aug 11th	LM	
SE5579808	578668	6857588	578537	6857758	N	B	60	40	brown	yes		con		aug 11th	LM	
SE5579809	578636	6857554	578505	6857724	N	A	90	30	black	yes		con		aug 11th	LM	
SE5579810	579536	6857660	579405	6857830	S	A	60	70	black	yes		con		aug 12th	LM	
SE5579811	579500	6857633	579369	6857803	S	A	120	70	black	yes		con		aug 12th	LM	
SE5579812	579457	6857606	579326	6857776	S	B	60	60	brown	yes		con		aug 12th	LM	
SE5579813	579414	6857581	579283	6857751	S	B	50	60	brown	no		con		aug 12th	LM	
SE5579814	579376	6857556	579245	6857726	S	B	65	60	brown	no		con		aug 12th	LM	
SE5579815	579328	6857530	579197	6857700	S	B	60	60	brown	no		con		aug 12th	LM	UTM's rubbed off of sheet- unreadable
SE5579816	579286	6857503	579155	6857673	S	B	50	50	brown	no		con		aug 12th	LM	
SE5579817	579200	6857457	579069	6857627	S	B	70	40	brown	yes		con		aug 12th	LM	
SE5579818	579161	6857420	579030	6857590	S	B	70	45	green/brn	no		con		aug 12th	LM	
SE5579819	579109	6857397	578978	6857567	S	B	80	55	brown	no		con		aug 12th	LM	

Sample No.	Eastings (UTM NAD 27C)	Northing (UTM NAD 27C)	Eastings (UTM NAD 83)	Northing (UTM NAD 83)	Traverse (Station)	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost (yes/no?)	% Coarse Fragments	Vegetation	% Organics	Date	Sampler	Comments
SE5579820	579072	6857366	578941	6857536	S	A/B	100	55	black/brn	yes		con		aug 12th	LM	
SE5579821	579031	6857347	578900	6857517	S	B	85	50	brown	yes		con		aug 12th	LM	
SE5579822	578956	6857284	578825	6857454	S	B	90	50	brown	no		con		aug 12th	LM	
SE5579823	578904	6857262	578773	6857432	S	B	80	60	brown	no		con		aug 12th	LM	
SE5579824	578739	6857409	578608	6857579	Q	A/B	50	40	black/brn	no		con		aug 12th	LM	
SE5579825	578782	6857426	578651	6857596	Q	A	50	30	black	yes		con		aug 12th	LM	
SE5579826	578861	6857479	578730	6857649	Q	B	70	40	brown	no		con		aug 12th	LM	
SE5579827	578996	6857546	578865	6857716	Q	B	70	50	brown	no		con		aug 12th	LM	
SE5579828	579037	6597572	578906	6597742	Q	B	60	60	brown	no		con		aug 12th	LM	
SE5579829	579080	6857606	578949	6857776	Q	B	60	60	brown	no		con		aug 12th	LM	
SE5579830	578314	6858073	578183	6858243	G	A	30	50	brown	no		con		aug 12th	LM	
SE5579831	578356	6858093	578225	6858263	G	A	40	45	brown	no		con		aug 12th	LM	
SE5579832	578398	6858116	578267	6858286	G	B	50	40	brown	no		con		aug 12th	LM	
SE5579833	578429	6858158	578298	6858328	G	A	60	30	black	yes		con		aug 12th	LM	
SE5579834	578471	6858187	578340	6858357	G	B	80	40	brown	no		con		aug 12th	LM	
SE5579835	578505	6858214	578374	6858384	G	B	40	75	brown	no		con		aug 12th	LM	
SE5579836	578556	6858263	578425	6858433	G	B	35	60	brown	no		con		aug 12th	LM	
SE5579837	578603	6858260	578472	6858430	G	B	100	60	brown	no		con		aug 13th	LM	
SE5579838	578645	6858293	578514	6858463	G	B	100	65	brown	no		con		aug 13th	LM	
SE5579839	578687	6858314	578556	6858484	G	B	60	60	brown	no		con		aug 13th	LM	
SE5579840	578728	6858342	578597	6858512	G	B	30	55	brown	no		con		aug 13th	LM	
SE5579841	578770	6858371	578639	6858541	G	B	60	55	brown	no		con		aug 13th	LM	
SE5579842	578812	6858391	578681	6858561	G	B	30	60	brown	no		con		aug 13th	LM	
SE5579843	578861	6858416	578730	6858586	G	B	30	60	brown	no		con		aug 13th	LM	
SE5579844	578895	6858450	578764	6858620	G	B/C	60	70	brown	no		con		aug 13th	LM	
SE5579845	578705	6858408	578574	6858578	G	B	100	70	brown	no		con		aug 13th	LM	
SE5579846	578656	6858379	578525	6858549	G	B	70	70	brown	no		con		aug 13th	LM	
SE5579847	578614	6858338	578483	6858508	G	B	120	70	brown	no		con		aug 13th	LM	
SE5579848	578577	6858331	578446	6858501	G	B	70	75	brown	no		con		aug 13th	LM	
SE5579849	578523	6858304	578392	6858474	G	B	60	60	brown	no		con		aug 13th	LM	
SE5579850	578483	6858291	578352	6858461	G	C	60	50	brown	no		con		aug 13th	LM	
SE5579851	578442	6858268	578311	6858438	G	B	50	60	brown	no		con		aug 13th	LM	
SE5579852	578532	6858474	578401	6858644	E	A	35	S	brown	no	20	pop	15		LM	
SE5579853	578487	6858449	578356	6858619	E	B	80	S	brown	no	5	con	3		LM	
SE5579854	578449	6858416	578318	6858586	E	B	60	S	brown	no	5	alder	0		LM	
SE5579855	578414	6858384	578283	6858554	E	B	50	S	brown	no	15	alder	5		LM	
SE5579856	578360	6858353	578229	6858523	E	B	70	S	brown	no	20	alder	0		LM	
SE5579857	578321	6858331	578190	6858501	E	B	20	S	brown	no	20	alder	15		LM	
SE5579858	578273	6858313	578142	6858483	E	A/B	40	M	brown	no	10	alder	50		LM	
SE5579859	578240	6858281	578109	6858451	E	B	60	M	brown	no	25	alder	5		LM	

Appendix 4: Original Results



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER
35 DAWSON ROAD
WHITEHORSE, YT Y1A5T6
(867) 633-4807

ATTENTION TO: CARL SCHULZE, RON BERDAHL

PROJECT:

AGAT WORK ORDER: 14Y878408

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Sep 19, 2014

PAGES (INCLUDING COVER): 16

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
RE5579560 (5714455)		<0.2	0.05	13	≤	75	<0.5	<1	0.24	<0.5	<1	3.6	83.8	41.7	0.97
RE5579561 (5714456)		<0.2	0.24	4	≤	89	<0.5	<1	0.57	0.9	28	12.4	66.9	182	3.09
RE5579562 (5714457)		1.1	0.64	9	≤	78	1.6	<1	0.39	0.9	28	23.0	119	468	6.55
RE5579563 (5714458)		0.6	0.34	8	≤	216	0.5	<1	0.42	1.0	24	14.9	89.5	157	4.30
RE5579564 (5714459)		1.2	0.57	8	≤	79	<0.5	<1	0.64	1.9	29	29.1	87.0	432	6.42
RE5579565 (5714460)		0.7	0.45	14	≤	69	<0.5	<1	0.36	0.6	18	13.0	76.2	235	10.4
RE5579566 (5714461)		1.0	1.05	11	≤	298	0.8	<1	0.40	<0.5	23	5.4	210	78.4	5.87
RE5579567 (5714463)		<0.2	0.89	23	≤	167	<0.5	<1	0.21	<0.5	27	12.5	71.8	99.7	3.70
RE5579568 (5714464)		<0.2	1.20	7	≤	196	0.7	<1	0.70	<0.5	16	11.5	80.9	44.7	2.62
RE5579569 (5714465)		<0.2	1.12	49	≤	641	<0.5	<1	2.39	<0.5	23	18.8	86.9	64.9	3.33
RE5579570 (5714466)		<0.2	0.07	4	≤	17	<0.5	<1	0.07	<0.5	3	1.1	76.4	5.1	0.49
RE5579571 (5714467)		>100	0.46	6110	≤	197	0.5	<1	0.05	<0.5	5	1.2	50.4	493	3.76
RE5579572 (5714468)		4.2	0.07	39	≤	16	<0.5	<1	0.28	<0.5	1	2.2	72.3	10.9	0.54
RE5579573 (5714469)		14.6	0.18	941	≤	138	<0.5	<1	0.03	<0.5	6	0.9	62.3	66.6	2.10
RE5579574 (5714470)		>100	0.53	9900	≤	240	<0.5	<1	0.05	<0.5	23	5.4	41.5	514	7.42
RE5579575 (5714471)		83.0	0.27	1720	≤	100	<0.5	<1	0.03	<0.5	12	2.3	54.3	192	6.70
RE5579576 (5714472)		96.3	0.20	7430	≤	216	<0.5	<1	0.02	<0.5	5	1.1	45.6	111	2.58
RE5579577 (5714473)		>100	0.18	2450	≤	91	<0.5	<1	0.03	<0.5	5	1.3	59.4	84.9	1.75
RE5579578 (5714474)		96.4	0.14	855	≤	59	<0.5	<1	0.01	<0.5	7	0.7	62.3	22.0	0.71
RE5579579 (5714475)		3.6	0.86	131	≤	374	0.8	<1	0.04	0.9	47	12.2	45.2	139	4.55
RE5579580 (5714476)		3.4	0.10	55	≤	61	<0.5	<1	0.02	<0.5	10	2.8	71.0	32.4	1.15
RE5579581 (5714477)		>100	0.23	688	≤	508	<0.5	59	0.02	7.0	16	2.0	71.6	118	1.56
RE5579582 (5714478)		2.5	0.63	122	≤	107	<0.5	<1	0.03	<0.5	9	3.1	51.3	105	4.69
RE5579583 (5714479)		35.4	0.25	115	≤	372	<0.5	<1	0.07	4.1	11	2.4	76.8	75.4	1.75
RE5579584 (5714480)		42.0	0.25	595	≤	990	<0.5	<1	0.36	3.7	3	0.8	73.1	80.4	2.60
RE5579585 (5714481)		>100	0.66	>10000	≤	144	<0.5	<1	0.06	<0.5	7	5.1	75.2	2880	12.0
RE5579586 (5714482)		1.2	0.01	35	≤	8	<0.5	<1	0.03	<0.5	<1	2.1	65.6	12.7	0.54
RE5579587 (5714483)		2.4	0.27	40	≤	258	<0.5	<1	0.12	2.7	10	14.8	61.8	110	1.26
RE5579588 (5714484)		16.1	0.51	292	≤	1580	<0.5	<1	3.23	1.4	12	13.3	71.8	77.5	1.70
RE5579589 (5714485)		2.9	0.35	29	≤	728	<0.5	<1	2.50	0.5	11	4.6	66.8	20.0	0.90
RE5579590 (5714486)		1.2	0.87	16	≤	310	0.6	<1	0.37	<0.5	16	5.7	27.2	419	2.50
RE5579591 (5714487)		6.5	0.25	54	≤	403	<0.5	<1	1.61	1.1	9	1.5	73.2	24.4	0.89

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
RE5579592 (5714488)	1.9	1.77	5	<5	247	1.4	<1	0.95	1.2	24	42.5	21.3	144	7.92
RE5579593 (5714489)	3.0	2.20	11	<5	86	0.7	<1	3.13	1.9	16	29.2	27.3	95.3	6.26
RE5579594 (5714490)	0.5	0.55	6	<5	235	<0.5	<1	0.14	<0.5	18	4.9	41.6	21.5	1.31
RE5579595 (5714491)	1.2	0.25	45	<5	346	<0.5	<1	1.45	0.5	10	4.0	108	149	0.97
RE5579596 (5714492)	0.7	1.25	6	<5	272	0.9	<1	0.81	1.0	33	10.7	57.9	64.3	3.02
RE5579597 (5714493)	1.4	0.71	202	<5	211	<0.5	<1	0.07	<0.5	7	7.1	64.7	52.3	2.26
RE5579598 (5714494)	<0.2	0.19	18	<5	47	<0.5	<1	0.59	<0.5	5	7.6	69.7	113	2.47
RE5579599 (5714495)	7.3	0.11	35	<5	265	<0.5	<1	0.36	1.5	7	1.6	74.6	29.1	0.84
RE5579612 (5714496)	<0.2	0.37	7	<5	209	<0.5	<1	0.06	0.5	9	3.5	93.5	27.7	1.22
RE5579613 (5714497)	0.9	0.68	23	<5	410	0.9	<1	0.13	1.9	49	7.5	99.0	114	5.00
RE5579614 (5714498)	0.5	0.43	<1	<5	230	<0.5	<1	0.65	<0.5	30	2.1	65.0	37.5	0.95
RE5579615 (5714499)	0.8	0.24	<1	<5	220	<0.5	<1	0.05	0.6	9	2.7	82.2	69.8	1.32
RE5579616 (5714500)	0.3	0.85	10	<5	191	0.6	<1	4.35	0.9	26	2.8	124	59.2	1.10
RE5579617 (5714501)	0.3	2.03	3	<5	429	1.1	<1	0.73	<0.5	45	8.9	63.6	86.0	3.24
RE5579618 (5714502)	0.3	0.03	3	<5	17	<0.5	<1	0.03	<0.5	1	2.6	82.3	19.1	1.02
RE5579619 (5714503)	0.2	0.87	12	<5	230	0.5	<1	0.16	0.6	22	8.5	84.6	89.6	2.56
RE5579620 (5714504)	<0.2	2.01	6	<5	340	0.6	<1	5.68	<0.5	30	15.5	124	43.2	3.18
RE5579621 (5714505)	<0.2	1.94	<1	<5	260	0.9	<1	0.31	<0.5	21	10.6	85.6	43.5	3.20
RE5579622 (5714506)	0.3	1.97	3	<5	183	0.9	<1	0.42	<0.5	25	22.5	130	89.2	3.64
RE5579623 (5714507)	<0.2	1.95	3	<5	161	1.0	<1	0.18	<0.5	53	13.6	63.5	69.4	3.28
RE5579624 (5714508)	0.6	1.48	15	<5	877	1.0	<1	3.27	2.0	45	14.4	65.4	215	3.94
RE5579625 (5714509)	0.7	1.35	36	<5	357	1.0	<1	0.49	<0.5	23	9.1	80.4	21.4	2.97
RE5579626 (5714510)	1.6	1.09	20	<5	123	0.9	<1	0.49	<0.5	19	15.8	167	373	6.38
RE5579627 (5714511)	0.5	0.94	6	<5	290	0.8	<1	0.78	<0.5	36	7.0	78.3	94.6	6.78

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
RE5579560 (5714455)	<5	<1	<1	<0.01	<1	<1	0.08	312	4.7	<0.01	12.6	57	3.4	<10
RE5579561 (5714456)	7	<1	<1	0.02	11	<1	0.32	4990	4.8	<0.01	37.1	1660	9.4	<10
RE5579562 (5714457)	9	<1	<1	0.22	13	2	0.36	2900	6.8	<0.01	48.6	1330	16.5	19
RE5579563 (5714458)	7	<1	6	0.06	12	1	0.44	2960	6.1	<0.01	46.6	728	11.0	<10
RE5579564 (5714459)	7	1	<1	0.04	14	2	0.32	3170	6.6	<0.01	75.3	1400	13.3	<10
RE5579565 (5714460)	11	4	<1	0.03	14	2	0.14	3040	8.5	<0.01	41.9	1020	15.8	<10
RE5579566 (5714461)	10	1	3	0.36	18	11	0.67	220	6.8	0.01	20.9	1230	22.8	31
RE5579567 (5714463)	5	2	5	0.14	13	10	0.48	627	5.3	<0.01	45.3	451	8.6	<10
RE5579568 (5714464)	7	<1	6	0.41	8	11	0.74	261	5.4	0.02	30.5	1330	5.9	34
RE5579569 (5714465)	8	<1	2	0.35	12	10	0.93	1660	4.8	0.01	79.3	1320	6.5	27
RE5579570 (5714466)	<5	<1	<1	0.03	2	<1	0.02	44	2.2	<0.01	4.7	290	1.7	<10
RE5579571 (5714467)	6	3	5	0.11	4	<1	0.01	45	1.5	<0.01	4.0	3170	>10000	<10
RE5579572 (5714468)	<5	<1	<1	0.01	<1	<1	0.03	135	3.3	<0.01	7.5	116	143	<10
RE5579573 (5714469)	<5	<1	2	0.06	5	<1	0.01	84	1.9	<0.01	4.4	745	4810	<10
RE5579574 (5714470)	9	5	<1	0.15	16	<1	0.02	960	2.4	<0.01	17.7	2470	>10000	<10
RE5579575 (5714471)	5	<1	<1	0.12	11	<1	0.01	853	2.5	<0.01	8.3	965	2290	<10
RE5579576 (5714472)	<5	<1	1	0.12	4	<1	0.02	87	1.9	<0.01	5.0	705	>10000	<10
RE5579577 (5714473)	<5	4	2	0.08	4	<1	0.01	63	2.2	<0.01	4.4	691	6980	<10
RE5579578 (5714474)	<5	2	<1	0.07	4	<1	<0.01	29	2.1	<0.01	3.1	551	3570	<10
RE5579579 (5714475)	5	<1	2	0.30	25	4	0.17	347	9.6	<0.01	57.1	1120	276	26
RE5579580 (5714476)	<5	<1	<1	0.04	4	<1	<0.01	43	3.0	<0.01	18.3	389	76.5	<10
RE5579581 (5714477)	<5	4	4	0.05	10	<1	0.02	60	4.6	<0.01	12.4	303	886	<10
RE5579582 (5714478)	<5	<1	<1	0.07	5	2	0.04	67	7.7	<0.01	26.2	1010	450	12
RE5579583 (5714479)	<5	<1	5	0.09	9	<1	0.02	171	13.8	<0.01	15.1	787	1640	<10
RE5579584 (5714480)	<5	<1	<1	0.10	3	2	0.02	110	9.1	<0.01	4.5	10800	2110	<10
RE5579585 (5714481)	20	4	<1	0.30	6	<1	<0.01	115	4.1	0.03	14.5	2610	>10000	14
RE5579586 (5714482)	<5	<1	1	<0.01	<1	<1	<0.01	43	2.6	<0.01	8.2	18	95.9	<10
RE5579587 (5714483)	<5	<1	2	0.12	5	4	0.17	92	2.6	0.01	28.4	305	122	<10
RE5579588 (5714484)	<5	<1	<1	0.17	9	2	0.16	614	7.8	<0.01	66.5	15200	867	11
RE5579589 (5714485)	<5	<1	3	0.14	8	1	0.12	278	4.3	<0.01	23.3	12100	32.7	<10
RE5579590 (5714486)	6	<1	6	0.36	9	9	0.23	268	1.7	0.12	2.5	1150	50.7	17
RE5579591 (5714487)	<5	<1	<1	0.13	6	<1	0.03	180	5.4	<0.01	8.2	8950	666	<10

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
RE5579592 (5714488)	24	2	<1	0.62	12	20	1.87	1510	6.2	0.04	26.7	2780	18.9	56
RE5579593 (5714489)	12	2	<1	0.71	9	24	1.97	1320	8.2	0.03	73.8	4750	16.0	97
RE5579594 (5714490)	<5	<1	<1	0.36	10	6	0.37	59	2.3	<0.01	13.2	229	11.9	25
RE5579595 (5714491)	<5	1	<1	0.12	9	1	0.05	180	9.0	<0.01	59.6	7090	10.4	<10
RE5579596 (5714492)	5	<1	5	0.42	17	21	0.77	184	6.0	0.01	32.8	1910	18.7	37
RE5579597 (5714493)	<5	<1	3	0.10	4	<1	0.06	764	3.8	<0.01	29.1	257	18.1	<10
RE5579598 (5714494)	<5	<1	1	0.02	3	2	0.22	1290	4.4	<0.01	25.1	260	9.9	<10
RE5579599 (5714495)	<5	<1	2	0.07	3	<1	0.09	341	3.6	<0.01	8.7	773	143	<10
RE5579612 (5714496)	<5	<1	<1	0.08	5	4	0.11	123	3.1	<0.01	21.5	206	9.9	<10
RE5579613 (5714497)	<5	<1	1	0.33	27	4	0.11	321	16.4	<0.01	82.7	850	29.2	25
RE5579614 (5714498)	<5	2	4	0.25	15	4	0.12	97	4.1	<0.01	24.0	3260	10.8	17
RE5579615 (5714499)	<5	1	<1	0.20	5	3	0.11	56	3.6	0.01	10.3	127	9.5	13
RE5579616 (5714500)	<5	<1	1	0.26	17	6	0.18	169	11.8	<0.01	83.9	20500	7.8	28
RE5579617 (5714501)	8	<1	<1	0.81	16	26	1.25	796	4.3	0.02	29.0	3020	9.3	100
RE5579618 (5714502)	<5	<1	<1	<0.01	<1	<1	0.01	55	2.5	<0.01	12.7	68	3.5	<10
RE5579619 (5714503)	5	<1	7	0.35	11	11	0.58	981	5.4	<0.01	50.4	533	18.6	31
RE5579620 (5714504)	10	<1	<1	0.82	15	25	1.78	1280	4.8	0.02	66.6	1060	9.7	89
RE5579621 (5714505)	8	<1	<1	0.84	9	18	1.39	539	5.1	0.03	24.6	573	5.5	91
RE5579622 (5714506)	11	1	9	0.95	12	24	1.62	477	4.7	0.07	48.0	554	4.1	103
RE5579623 (5714507)	9	<1	5	0.88	26	19	1.09	208	2.4	0.04	28.1	575	5.2	146
RE5579624 (5714508)	7	2	4	0.48	27	17	1.13	647	19.2	<0.01	129	5760	10.3	55
RE5579625 (5714509)	6	<1	3	0.43	12	16	0.93	292	3.8	0.01	12.3	541	7.5	40
RE5579626 (5714510)	8	1	<1	0.16	14	17	0.38	731	6.1	<0.01	96.2	1470	13.1	14
RE5579627 (5714511)	10	2	2	0.65	18	9	0.31	551	4.3	0.02	17.9	1790	8.1	60

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
RE5579560 (5714455)	0.319	1	<0.5	<10	<5	6.1	<10	<10	<5	<0.01	<5	<5	5.3	<1
RE5579561 (5714456)	1.17	2	0.6	<10	<5	28.6	<10	<10	<5	0.01	<5	8	50.0	<1
RE5579562 (5714457)	1.95	<1	1.4	14	<5	25.3	<10	<10	<5	0.06	<5	<5	164	<1
RE5579563 (5714458)	0.981	3	1.0	<10	<5	28.2	<10	<10	5	0.02	<5	5	98.8	<1
RE5579564 (5714459)	2.57	3	1.2	12	<5	27.8	<10	<10	6	0.01	<5	<5	89.9	<1
RE5579565 (5714460)	0.792	6	2.0	<10	<5	21.2	<10	<10	5	<0.01	5	<5	98.7	<1
RE5579566 (5714461)	0.357	4	3.0	<10	<5	34.8	<10	<10	7	0.05	<5	<5	276	<1
RE5579567 (5714463)	0.327	5	2.2	<10	<5	14.6	<10	<10	7	<0.01	<5	<5	48.2	<1
RE5579568 (5714464)	0.395	3	2.7	<10	<5	29.7	<10	<10	7	0.07	<5	<5	50.8	<1
RE5579569 (5714465)	0.399	9	5.8	<10	<5	81.8	<10	<10	8	0.03	<5	<5	56.7	<1
RE5579570 (5714466)	0.005	<1	<0.5	<10	<5	2.3	<10	<10	<5	<0.01	<5	<5	2.2	<1
RE5579571 (5714467)	0.544	716	1.3	<10	200	41.0	<10	<10	<5	<0.01	<5	<5	13.3	<1
RE5579572 (5714468)	0.016	5	<0.5	<10	<5	11.7	<10	<10	<5	<0.01	<5	<5	2.0	<1
RE5579573 (5714469)	0.093	27	<0.5	<10	15	5.9	<10	<10	<5	<0.01	<5	<5	10.3	<1
RE5579574 (5714470)	0.762	582	<0.5	<10	127	18.1	<10	<10	8	<0.01	<5	<5	16.4	<1
RE5579575 (5714471)	0.051	59	<0.5	<10	13	9.1	<10	<10	<5	<0.01	<5	<5	13.7	<1
RE5579576 (5714472)	0.344	353	<0.5	<10	20	9.6	<10	<10	<5	<0.01	<5	<5	13.0	<1
RE5579577 (5714473)	0.141	140	1.7	<10	81	6.6	<10	<10	<5	<0.01	<5	<5	7.1	<1
RE5579578 (5714474)	0.140	104	<0.5	<10	29	6.6	<10	<10	<5	<0.01	<5	<5	4.4	<1
RE5579579 (5714475)	0.130	15	2.5	<10	<5	34.1	<10	<10	13	<0.01	<5	<5	61.6	<1
RE5579580 (5714476)	0.031	19	1.2	<10	<5	33.5	<10	<10	<5	<0.01	<5	<5	13.1	<1
RE5579581 (5714477)	0.053	198	<0.5	<10	117	8.6	<10	<10	<5	<0.01	<5	<5	10.2	<1
RE5579582 (5714478)	0.048	5	0.8	<10	<5	36.4	<10	<10	<5	<0.01	5	<5	18.2	<1
RE5579583 (5714479)	0.062	74	0.7	<10	17	40.6	<10	<10	<5	<0.01	<5	<5	25.0	<1
RE5579584 (5714480)	0.169	114	4.0	<10	35	55.9	<10	<10	<5	<0.01	<5	<5	43.0	<1
RE5579585 (5714481)	1.90	1850	<0.5	19	412	30.0	<10	<10	7	<0.01	<5	<5	37.1	<1
RE5579586 (5714482)	<0.005	5	<0.5	<10	<5	1.4	<10	<10	<5	<0.01	<5	<5	2.9	<1
RE5579587 (5714483)	0.342	5	1.0	<10	<5	12.6	<10	<10	<5	<0.01	<5	<5	15.3	<1
RE5579588 (5714484)	0.131	58	2.1	<10	5	137	<10	<10	<5	<0.01	<5	<5	54.1	<1
RE5579589 (5714485)	0.097	17	1.7	<10	<5	105	<10	<10	<5	<0.01	<5	<5	41.2	<1
RE5579590 (5714486)	0.310	4	<0.5	<10	5	31.5	<10	<10	<5	0.11	<5	<5	15.1	<1
RE5579591 (5714487)	0.109	87	1.3	11	<5	90.3	<10	<10	<5	<0.01	<5	<5	25.0	<1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014		DATE REPORTED: Sep 19, 2014				SAMPLE TYPE: Rock							
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
RE5579592 (5714488)	0.860	<1	18.6	<10	16	35.2	<10	<10	6	0.33	<5	<5	251	<1
RE5579593 (5714489)	2.12	12	14.7	13	<5	66.6	<10	<10	<5	0.07	<5	<5	187	<1
RE5579594 (5714490)	0.238	2	1.8	<10	<5	10.0	<10	<10	7	0.02	<5	<5	16.2	<1
RE5579595 (5714491)	0.143	21	2.0	<10	<5	136	<10	<10	<5	<0.01	<5	<5	114	<1
RE5579596 (5714492)	0.863	2	3.9	<10	<5	17.7	<10	<10	14	0.08	<5	<5	49.0	<1
RE5579597 (5714493)	0.772	11	1.2	<10	<5	44.4	<10	<10	<5	<0.01	<5	<5	13.4	<1
RE5579598 (5714494)	0.612	2	0.9	<10	<5	14.8	<10	<10	<5	<0.01	<5	<5	18.7	<1
RE5579599 (5714495)	0.433	26	0.9	<10	<5	18.0	<10	<10	<5	<0.01	<5	<5	7.1	<1
RE5579612 (5714496)	0.027	2	0.8	<10	<5	8.8	<10	<10	<5	<0.01	<5	<5	16.1	<1
RE5579613 (5714497)	0.217	8	2.1	<10	<5	69.4	<10	<10	9	<0.01	<5	<5	41.6	<1
RE5579614 (5714498)	0.062	2	1.1	<10	<5	64.8	<10	<10	<5	0.01	<5	<5	43.7	<1
RE5579615 (5714499)	0.309	<1	1.1	<10	<5	29.7	<10	<10	<5	0.06	<5	<5	46.7	<1
RE5579616 (5714500)	0.081	9	2.5	<10	<5	153	<10	<10	<5	<0.01	<5	<5	361	<1
RE5579617 (5714501)	0.147	1	3.8	<10	7	39.1	<10	<10	13	0.09	<5	<5	66.3	<1
RE5579618 (5714502)	0.010	<1	<0.5	<10	<5	2.3	<10	<10	<5	<0.01	<5	<5	3.4	<1
RE5579619 (5714503)	0.046	6	2.1	<10	<5	14.5	<10	<10	6	0.04	<5	<5	59.0	<1
RE5579620 (5714504)	0.589	3	6.0	<10	<5	228	<10	<10	10	0.09	<5	<5	53.1	<1
RE5579621 (5714505)	0.399	<1	5.5	<10	<5	18.3	<10	<10	8	0.09	<5	<5	58.4	<1
RE5579622 (5714506)	0.825	2	9.9	<10	7	29.0	<10	<10	10	0.15	<5	<5	98.0	<1
RE5579623 (5714507)	0.050	<1	3.9	<10	6	10.5	<10	<10	12	0.11	<5	<5	34.5	<1
RE5579624 (5714508)	0.219	13	3.8	13	<5	125	<10	<10	12	0.03	<5	5	105	<1
RE5579625 (5714509)	0.198	<1	2.8	<10	7	19.8	<10	<10	10	0.12	<5	<5	33.9	<1
RE5579626 (5714510)	0.254	5	2.8	<10	<5	31.0	<10	<10	7	0.02	<5	<5	171	<1
RE5579627 (5714511)	0.938	<1	2.0	<10	5	234	<10	<10	7	0.10	<5	<5	71.3	<1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5	Ag-Grav g/t 5	Pb-OL % 0.01	As-OL % 0.01
RE5579560 (5714455)		<1	15.9	<5			
RE5579561 (5714456)		6	105	<5			
RE5579562 (5714457)		7	160	<5			
RE5579563 (5714458)		5	168	<5			
RE5579564 (5714459)		6	217	<5			
RE5579565 (5714460)		11	151	<5			
RE5579566 (5714461)		11	74.6	<5			
RE5579567 (5714463)		6	61.9	<5			
RE5579568 (5714464)		7	46.5	<5			
RE5579569 (5714465)		11	89.9	<5			
RE5579570 (5714466)		<1	14.2	<5			
RE5579571 (5714467)		2	185	<5	551	3.22	
RE5579572 (5714468)		<1	4.3	<5			
RE5579573 (5714469)		2	148	<5			
RE5579574 (5714470)		11	851	<5	220	4.03	
RE5579575 (5714471)		3	323	<5	74		
RE5579576 (5714472)		1	180	<5	96	2.02	
RE5579577 (5714473)		1	84.8	<5	159		
RE5579578 (5714474)		1	29.4	<5	90		
RE5579579 (5714475)		5	559	<5			
RE5579580 (5714476)		3	136	<5			
RE5579581 (5714477)		2	228	<5	363		
RE5579582 (5714478)		5	179	<5			
RE5579583 (5714479)		3	399	<5			
RE5579584 (5714480)		2	200	<5			
RE5579585 (5714481)		3	612	<5	1146	7.60	2.04
RE5579586 (5714482)		<1	5.3	<5			
RE5579587 (5714483)		2	57.6	<5			
RE5579588 (5714484)		20	538	<5			
RE5579589 (5714485)		14	179	<5			
RE5579590 (5714486)		5	55.7	<5			
RE5579591 (5714487)		12	112	<5			

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5	Ag-Grav g/t 5	Pb-OL % 0.01	As-OL % 0.01
RE5579592 (5714488)		14	119	<5			
RE5579593 (5714489)		16	366	<5			
RE5579594 (5714490)		2	57.5	<5			
RE5579595 (5714491)		22	189	<5			
RE5579596 (5714492)		11	134	<5			
RE5579597 (5714493)		2	101	<5			
RE5579598 (5714494)		3	40.0	<5			
RE5579599 (5714495)		4	172	<5			
RE5579612 (5714496)		3	55.8	<5			
RE5579613 (5714497)		8	292	<5			
RE5579614 (5714498)		13	65.0	<5			
RE5579615 (5714499)		2	23.1	<5			
RE5579616 (5714500)		25	182	<5			
RE5579617 (5714501)		14	103	<5			
RE5579618 (5714502)		<1	5.9	<5			
RE5579619 (5714503)		5	83.0	<5			
RE5579620 (5714504)		20	55.3	<5			
RE5579621 (5714505)		8	52.8	<5			
RE5579622 (5714506)		9	46.9	<5			
RE5579623 (5714507)		8	64.9	<5			
RE5579624 (5714508)		23	444	<5			
RE5579625 (5714509)		10	60.1	<5			
RE5579626 (5714510)		20	152	<5			
RE5579627 (5714511)		9	56.2	<5			

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01	Au ppm 0.001
RE5579560 (5714455)		1.35	0.008
RE5579561 (5714456)		1.06	0.012
RE5579562 (5714457)		1.06	0.044
RE5579563 (5714458)		1.15	0.026
RE5579564 (5714459)		1.27	0.031
RE5579565 (5714460)		1.30	0.036
RE5579566 (5714461)		1.50	0.021
RE5579567 (5714463)		0.88	0.010
RE5579568 (5714464)		1.07	0.004
RE5579569 (5714465)		0.98	0.006
RE5579570 (5714466)		0.70	0.005
RE5579571 (5714467)		0.83	6.77
RE5579572 (5714468)		0.76	0.034
RE5579573 (5714469)		0.77	0.171
RE5579574 (5714470)		0.85	6.66
RE5579575 (5714471)		1.05	0.930
RE5579576 (5714472)		0.88	0.942
RE5579577 (5714473)		0.87	3.71
RE5579578 (5714474)		0.65	1.30
RE5579579 (5714475)		0.84	0.113
RE5579580 (5714476)		1.20	0.026
RE5579581 (5714477)		0.40	3.54
RE5579582 (5714478)		1.60	0.053
RE5579583 (5714479)		0.93	0.162
RE5579584 (5714480)		0.88	0.487
RE5579585 (5714481)		0.42	3.65
RE5579586 (5714482)		0.81	0.012
RE5579587 (5714483)		0.97	0.012
RE5579588 (5714484)		1.22	0.070
RE5579589 (5714485)		1.62	0.010
RE5579590 (5714486)		0.68	0.009

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878408

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 19, 2014

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
		0.01	0.001
RE5579591 (5714487)		1.17	0.068
RE5579592 (5714488)		0.89	0.005
RE5579593 (5714489)		1.34	0.007
RE5579594 (5714490)		0.88	0.005
RE5579595 (5714491)		1.05	0.008
RE5579596 (5714492)		1.45	0.008
RE5579597 (5714493)		0.83	0.080
RE5579598 (5714494)		1.13	0.008
RE5579599 (5714495)		0.68	0.040
RE5579612 (5714496)		0.77	0.003
RE5579613 (5714497)		0.44	0.009
RE5579614 (5714498)		0.88	0.002
RE5579615 (5714499)		0.73	0.003
RE5579616 (5714500)		0.90	0.005
RE5579617 (5714501)		1.18	0.004
RE5579618 (5714502)		0.75	0.004
RE5579619 (5714503)		0.65	0.009
RE5579620 (5714504)		0.88	0.004
RE5579621 (5714505)		0.85	0.004
RE5579622 (5714506)		0.70	0.005
RE5579623 (5714507)		0.72	0.004
RE5579624 (5714508)		0.46	0.011
RE5579625 (5714509)		0.75	0.012
RE5579626 (5714510)		0.55	0.029
RE5579627 (5714511)		1.11	0.023

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	5714455	< 0.2	< 0.2	0.0%	5714476	3.4	3.4	0.0%	5714496	< 0.2	< 0.2	0.0%				
Al	5714455	0.05	0.05	0.0%	5714476	0.10	0.10	0.0%	5714496	0.37	0.37	0.0%				
As	5714455	13	12	8.0%	5714476	55	54	1.8%	5714496	7	7	0.0%				
B	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
Ba	5714455	75	78	3.9%	5714476	61	62	1.6%	5714496	209	205	1.9%				
Be	5714455	< 0.5	< 0.5	0.0%	5714476	< 0.5	< 0.5	0.0%	5714496	< 0.5	< 0.5	0.0%				
Bi	5714455	< 1	< 1	0.0%	5714476	< 1	< 1	0.0%	5714496	< 1	< 1	0.0%				
Ca	5714455	0.242	0.249	2.9%	5714476	0.02	0.02	0.0%	5714496	0.06	0.06	0.0%				
Cd	5714455	< 0.5	< 0.5	0.0%	5714476	0.49	0.66	29.6%	5714496	0.51	0.43	17.0%				
Ce	5714455	< 1	< 1	0.0%	5714476	10	9	10.5%	5714496	9	9	0.0%				
Co	5714455	3.6	3.6	0.0%	5714476	2.8	3.0	6.9%	5714496	3.47	3.38	2.6%				
Cr	5714455	83.8	86.2	2.8%	5714476	71.0	72.1	1.5%	5714496	93.5	93.9	0.4%				
Cu	5714455	41.7	43.3	3.8%	5714476	32.4	33.2	2.4%	5714496	27.7	26.9	2.9%				
Fe	5714455	0.973	1.00	2.7%	5714476	1.15	1.20	4.3%	5714496	1.22	1.21	0.8%				
Ga	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
Hg	5714455	< 1	2		5714476	< 1	< 1	0.0%	5714496	< 1	< 1	0.0%				
In	5714455	< 1	< 1	0.0%	5714476	< 1	2		5714496	< 1	4					
K	5714455	< 0.01	< 0.01	0.0%	5714476	0.04	0.04	0.0%	5714496	0.08	0.08	0.0%				
La	5714455	< 1	< 1	0.0%	5714476	4	4	0.0%	5714496	5	5	0.0%				
Li	5714455	< 1	< 1	0.0%	5714476	< 1	< 1	0.0%	5714496	4	4	0.0%				
Mg	5714455	0.083	0.086	3.6%	5714476	< 0.01	< 0.01	0.0%	5714496	0.11	0.11	0.0%				
Mn	5714455	312	317	1.6%	5714476	43	44	2.3%	5714496	123	121	1.6%				
Mo	5714455	4.7	4.7	0.0%	5714476	3.0	3.0	0.0%	5714496	3.13	3.19	1.9%				
Na	5714455	< 0.01	< 0.01	0.0%	5714476	< 0.01	< 0.01	0.0%	5714496	< 0.01	< 0.01	0.0%				
Ni	5714455	12.6	13.0	3.1%	5714476	18.3	18.4	0.5%	5714496	21.5	21.1	1.9%				
P	5714455	57	61	6.8%	5714476	389	403	3.5%	5714496	206	228	10.1%				
Pb	5714455	3.42	4.30	22.8%	5714476	76.5	76.3	0.3%	5714496	9.90	7.44	28.4%				
Rb	5714455	< 10	< 10	0.0%	5714476	< 10	< 10	0.0%	5714496	< 10	< 10	0.0%				
S	5714455	0.319	0.321	0.6%	5714476	0.0309	0.0282	9.1%	5714496	0.027	0.025	7.7%				
Sb	5714455	1	< 1		5714476	19	22	14.6%	5714496	2	< 1					
Sc	5714455	< 0.5	< 0.5	0.0%	5714476	1.24	1.46	16.3%	5714496	0.8	0.8	0.0%				



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

Se	5714455	< 10	< 10	0.0%	5714476	< 10	< 10	0.0%	5714496	< 10	< 10	0.0%				
Sn	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
Sr	5714455	6.1	6.4	4.8%	5714476	33.5	34.8	3.8%	5714496	8.84	9.18	3.8%				
Ta	5714455	< 10	< 10	0.0%	5714476	< 10	< 10	0.0%	5714496	< 10	< 10	0.0%				
Te	5714455	< 10	< 10	0.0%	5714476	< 10	< 10	0.0%	5714496	< 10	< 10	0.0%				
Th	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
Ti	5714455	< 0.01	< 0.01	0.0%	5714476	< 0.01	< 0.01	0.0%	5714496	< 0.01	< 0.01	0.0%				
Tl	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
U	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				
V	5714455	5.3	5.5	3.7%	5714476	13.1	13.3	1.5%	5714496	16.1	15.8	1.9%				
W	5714455	< 1	< 1	0.0%	5714476	< 1	< 1	0.0%	5714496	< 1	< 1	0.0%				
Y	5714455	< 1	< 1	0.0%	5714476	3	3	0.0%	5714496	3	3	0.0%				
Zn	5714455	15.9	16.7	4.9%	5714476	136	141	3.6%	5714496	55.8	56.8	1.8%				
Zr	5714455	< 5	< 5	0.0%	5714476	< 5	< 5	0.0%	5714496	< 5	< 5	0.0%				

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	5714455	0.008	0.008	0.0%	5714476	0.0257	0.0224	13.7%	5714496	0.0032	0.0025	24.6%				



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.CFRM-100)				CRM #2 (ref.CFRM-100)				CRM #3 (ref.CFRM-100)				CRM #4 (ref.CFRM-100)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Co	184	167	91%	90% - 110%	184	166	90%	90% - 110%	184	166	90%	90% - 110%	184	169	92%	90% - 110%
Cu	3494	3459	99%	90% - 110%	3494	3421	98%	90% - 110%	3494	3344	96%	90% - 110%	3494	3471	99%	90% - 110%
Ni	2985	2735	92%	90% - 110%	2985	2705	91%	90% - 110%	2985	2697	90%	90% - 110%	2985	2744	92%	90% - 110%
	CRM #5 (ref.CFRM-100)				CRM #6				CRM #7							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Co	184	166	90%	90% - 110%												
Cu	3494	3337	96%	90% - 110%												
Ni	2985	2698	90%	90% - 110%												
Ag-Grav					153	157	102%	90% - 110%	2285	2273	99%	90% - 110%				

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.1p5K)				CRM #2 (ref.1P5K)				CRM #3 (ref.GS6D)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1.44	1.45	101%	90% - 110%	1.44	1.59	110%	90% - 110%	6.09	5.96	98%	90% - 110%				



Method Summary

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

AGAT WORK ORDER: 14Y878408

PROJECT:

ATTENTION TO: CARL SCHULZE, RON BERDAHL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Ag-Grav			GRAVIMETRIC
Pb-OL	MIN-200-12002/12020		ICP/OES
As-OL	MIN-200-12002/12020		ICP/OES
Sample Login Weight	MIN-12009		BALANCE



Method Summary

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

AGAT WORK ORDER: 14Y878408

PROJECT:

ATTENTION TO: CARL SCHULZE, RON BERDAHL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER
35 DAWSON ROAD
WHITEHORSE, YT Y1A5T6
(867) 633-4807

ATTENTION TO: CARL SCHULZE, RON BERDAHL

PROJECT:

AGAT WORK ORDER: 14Y878430

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Sep 23, 2014

PAGES (INCLUDING COVER): 44

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

5623 McADAM ROAD
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<http://www.agatlabs.com>

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %
SE5579660 (5714602)		<0.2	1.42	5	5	213	<0.5	<1	0.79	<0.5	18	13.0	36.7	46.7	2.93
SE5579661 (5714603)		<0.2	1.73	7	5	314	<0.5	<1	0.56	<0.5	22	13.9	36.7	72.7	2.95
SE5579662 (5714604)		<0.2	1.22	5	5	152	<0.5	<1	0.36	<0.5	13	11.6	29.9	61.5	2.54
SE5579663 (5714605)		0.2	1.19	6	5	141	<0.5	<1	0.96	<0.5	16	14.4	43.5	41.8	2.26
SE5579664 (5714606)		<0.2	1.95	4	5	415	<0.5	<1	1.56	<0.5	17	23.9	95.1	114	3.58
SE5579665 (5714607)		<0.2	1.51	6	5	286	<0.5	<1	1.55	<0.5	17	15.2	54.8	83.4	2.77
SE5579666 (5714608)		<0.2	1.70	6	5	257	<0.5	<1	0.97	<0.5	20	19.8	67.0	55.6	3.17
SE5579667 (5714609)		<0.2	2.23	13	5	382	<0.5	<1	0.80	<0.5	25	23.3	68.6	57.4	4.29
SE5579668 (5714610)		<0.2	1.83	5	5	523	<0.5	<1	0.52	<0.5	17	21.4	86.6	66.9	3.33
SE5579669 (5714611)		<0.2	0.30	<1	5	47	<0.5	<1	0.43	<0.5	4	1.8	5.7	11.2	0.51
SE5579670 (5714612)		0.4	1.49	10	5	1130	<0.5	<1	1.05	2.0	21	16.6	37.7	131	3.04
SE5579671 (5714613)		<0.2	0.39	3	5	65	<0.5	<1	4.02	<0.5	5	2.4	7.3	19.9	0.74
SE5579672 (5714614)		0.2	1.54	22	5	228	<0.5	<1	4.74	<0.5	24	15.4	54.8	51.0	3.18
SE5579673 (5714615)		0.2	1.71	35	5	218	<0.5	<1	1.41	<0.5	27	17.1	54.7	53.8	3.37
SE5579674 (5714616)		0.2	0.96	12	5	166	<0.5	<1	1.99	<0.5	15	9.8	27.0	79.1	2.05
SE5579675 (5714617)		0.3	1.02	229	5	208	<0.5	<1	2.40	<0.5	18	30.3	29.3	73.4	2.66
SE5579676 (5714618)		<0.2	0.87	40	5	142	<0.5	<1	1.55	<0.5	13	7.6	23.3	40.8	1.87
SE5579677 (5714619)		<0.2	1.15	86	5	150	<0.5	<1	0.74	<0.5	17	9.7	29.9	50.4	2.32
SE5579678 (5714620)		2.1	1.97	30	5	5490	<0.5	<1	0.99	4.2	18	21.2	95.0	92.5	4.43
SE5579679 (5714621)		3.5	1.48	55	5	559	<0.5	<1	0.39	4.0	14	12.9	30.7	71.6	2.99
SE5579680 (5714622)		3.1	1.58	102	5	2250	0.7	<1	0.84	11.2	39	36.9	56.4	285	6.96
SE5579681 (5714624)		1.5	1.33	202	5	397	0.7	<1	1.20	3.1	39	28.9	38.9	182	5.67
SE5579682 (5714625)		0.3	2.28	51	5	3140	<0.5	<1	1.38	<0.5	31	22.6	60.3	128	4.80
SE5579683 (5714626)		0.3	0.61	4	5	322	<0.5	<1	0.44	<0.5	6	3.5	10.6	14.5	1.13
SE5579684 (5714627)		<0.2	1.79	24	5	116	<0.5	<1	0.99	<0.5	27	14.9	54.3	44.5	3.31
SE5579685 (5714628)		<0.2	1.88	15	5	142	<0.5	<1	1.11	<0.5	29	17.1	58.3	50.1	3.39
SE5579686 (5714629)		<0.2	1.84	40	5	111	<0.5	<1	0.84	<0.5	29	18.5	60.3	59.7	3.50
SE5579687 (5714630)		<0.2	1.92	18	5	150	<0.5	<1	1.01	<0.5	25	17.6	59.8	53.3	3.41
SE5579688 (5714631)		<0.2	0.42	<1	5	40	<0.5	<1	0.26	<0.5	4	1.8	4.0	8.5	0.49
SE5579689 (5714632)		<0.2	1.76	17	5	212	<0.5	<1	0.91	<0.5	26	18.2	54.3	76.4	3.34
SE5579690 (5714633)		<0.2	0.37	2	5	50	<0.5	<1	0.31	<0.5	5	2.4	5.4	7.7	0.85
SE5579691 (5714634)		<0.2	0.40	3	5	47	<0.5	<1	0.37	<0.5	4	1.7	5.0	10.0	0.65

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

5623 McADAM ROAD
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<http://www.agatlabs.com>

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 0.2	Al % 0.01	As ppm 1	B ppm 5	Ba ppm 1	Be ppm 0.5	Bi ppm 1	Ca % 0.01	Cd ppm 0.5	Ce ppm 1	Co ppm 0.5	Cr ppm 0.5	Cu ppm 0.5	Fe % 0.01
SE5579692 (5714635)		<0.2	1.67	15	≤	162	<0.5	<1	1.47	<0.5	21	16.0	54.6	71.2	3.07
SE5579693 (5714636)		<0.2	0.86	7	≤	127	<0.5	<1	1.96	<0.5	12	7.4	23.4	66.3	1.61
SE5579694 (5714637)		<0.2	1.86	19	≤	203	<0.5	<1	0.96	<0.5	26	17.7	51.4	57.4	3.60
SE5579695 (5714638)		0.2	1.88	20	≤	162	<0.5	<1	1.54	<0.5	31	21.2	68.8	56.1	3.81
SE5579696 (5714639)		<0.2	0.36	2	≤	55	<0.5	<1	0.33	<0.5	4	1.9	4.7	9.2	0.66
SE5579697 (5714640)		<0.2	2.07	18	≤	139	<0.5	<1	0.61	<0.5	17	16.5	53.7	41.8	3.78
SE5579698 (5714641)		<0.2	2.18	12	≤	129	<0.5	<1	0.45	<0.5	28	19.6	83.3	48.4	3.74
SE5579699 (5714642)		0.2	1.44	16	≤	200	<0.5	<1	4.06	<0.5	19	16.3	72.4	61.7	2.98
SE5579700 (5714643)		0.5	1.55	24	≤	262	<0.5	<1	6.11	<0.5	24	16.0	62.1	66.0	3.13
SE5579701 (5714644)		<0.2	1.46	26	≤	222	<0.5	<1	2.92	<0.5	24	16.4	40.7	61.4	3.07
SE5579702 (5714645)		<0.2	0.61	4	≤	231	<0.5	<1	0.99	<0.5	8	3.6	12.0	18.8	1.00
SE5579703 (5714646)		0.4	1.82	71	≤	268	<0.5	<1	1.65	5.2	31	26.8	46.1	93.9	4.73
SE5579704 (5714647)		1.0	1.74	19	≤	362	<0.5	<1	0.94	2.9	27	26.0	36.6	88.6	4.57
SE5579705 (5714648)		0.3	1.85	22	≤	230	<0.5	<1	0.52	<0.5	22	24.5	42.5	34.6	4.13
SE5579706 (5714649)		0.2	0.80	6	≤	250	<0.5	<1	2.02	<0.5	9	9.6	13.5	38.0	1.55
SE5579707 (5714650)		0.5	1.46	17	≤	338	<0.5	<1	2.18	<0.5	16	17.8	20.7	63.1	2.95
SE5579708 (5714651)		<0.2	0.40	25	≤	55	<0.5	<1	0.35	<0.5	5	2.8	4.1	33.0	0.54
SE5579709 (5714652)		<0.2	2.00	17	≤	221	<0.5	<1	0.70	<0.5	28	19.6	61.2	69.1	3.70
SE5579710 (5714653)		<0.2	1.58	10	≤	488	<0.5	<1	0.85	<0.5	20	17.1	35.2	56.3	3.33
SE5579711 (5714654)		<0.2	1.44	8	≤	230	<0.5	<1	2.13	<0.5	19	19.4	75.7	57.2	2.78
SE5579712 (5714655)		<0.2	0.91	4	≤	250	<0.5	<1	2.38	<0.5	11	8.6	34.3	77.9	1.72
SE5579713 (5714656)		0.2	1.71	24	≤	180	<0.5	<1	1.72	<0.5	25	18.4	68.1	55.5	3.59
SE5579714 (5714657)		<0.2	1.65	15	≤	173	<0.5	<1	1.99	<0.5	26	16.5	54.6	68.9	3.37
SE5579715 (5714658)		<0.2	1.44	13	≤	131	<0.5	<1	1.89	<0.5	20	12.9	47.5	48.1	2.78
SE5579716 (5714659)		<0.2	0.73	4	≤	102	<0.5	<1	2.42	<0.5	10	6.2	21.8	40.7	1.29
SE5579717 (5714660)		<0.2	2.04	7	≤	323	<0.5	<1	1.23	<0.5	21	24.9	102	85.4	4.00
SE5579718 (5714661)		<0.2	1.85	13	≤	304	<0.5	<1	1.51	<0.5	17	22.2	97.3	66.9	3.41
SE5579719 (5714662)		0.5	1.99	25	≤	387	<0.5	<1	1.47	<0.5	17	26.2	108	102	4.18
SE5579720 (5714663)		2.1	1.78	95	≤	559	<0.5	<1	1.60	1.7	29	25.8	69.3	113	4.69
SE5579721 (5714664)		1.1	1.65	37	≤	789	<0.5	<1	1.22	1.6	33	18.3	51.4	114	3.67
SE5579722 (5714665)		0.9	1.73	10	≤	325	0.7	<1	0.86	1.2	43	20.9	56.4	104	4.46
SE5579723 (5714666)		0.5	2.10	13	≤	320	0.6	<1	1.91	<0.5	37	20.2	60.9	92.4	3.81

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
SE5579724 (5714667)	0.5	1.37	11	<5	105	<0.5	<1	3.45	<0.5	23	12.8	49.6	66.8	2.69	
SE5579725 (5714668)	0.3	1.73	18	<5	169	<0.5	<1	1.76	<0.5	29	15.7	54.1	86.3	3.26	
SE5579726 (5714669)	<0.2	1.25	19	<5	146	<0.5	<1	1.16	<0.5	20	12.4	40.0	53.4	2.58	
SE5579727 (5714670)	<0.2	1.73	17	<5	132	<0.5	<1	1.18	<0.5	34	13.6	50.4	39.3	3.19	
SE5579728 (5714671)	<0.2	2.63	30	<5	345	<0.5	<1	0.76	<0.5	23	29.5	120	73.8	4.70	
SE5579729 (5714672)	<0.2	2.69	13	<5	314	<0.5	<1	1.56	<0.5	25	27.7	85.6	80.3	5.06	
SE5579730 (5714673)	<0.2	2.39	12	<5	165	<0.5	<1	0.51	<0.5	19	20.1	59.9	47.4	4.18	
SE5579731 (5714674)	0.2	1.80	19	<5	155	<0.5	<1	2.04	<0.5	25	16.2	57.1	50.6	3.46	
SE5579732 (5714675)	2.1	2.38	34	<5	330	0.7	<1	0.60	0.7	19	17.2	51.2	49.3	4.06	
SE5579733 (5714676)	0.3	1.98	23	<5	524	<0.5	<1	0.37	<0.5	27	15.8	50.8	45.1	3.64	
SE5579734 (5714677)	0.2	2.00	17	<5	452	<0.5	<1	0.64	<0.5	26	18.5	48.9	66.8	4.00	
SE5579735 (5714678)	<0.2	1.05	9	<5	301	<0.5	<1	0.85	<0.5	16	10.2	28.1	64.9	2.29	
SE5579736 (5714679)	<0.2	1.67	16	<5	205	<0.5	<1	0.80	<0.5	19	17.0	57.5	46.2	3.30	
SE5579737 (5714680)	<0.2	1.20	8	<5	166	<0.5	<1	1.07	<0.5	16	11.1	29.8	49.7	2.26	
SE5579738 (5714681)	<0.2	1.81	9	<5	216	<0.5	<1	1.10	<0.5	23	18.7	62.8	59.4	3.44	
SE5579739 (5714682)	<0.2	1.62	13	<5	306	<0.5	<1	2.04	<0.5	20	16.9	60.9	66.3	3.14	
SE5579740 (5714683)	0.2	1.06	10	<5	171	<0.5	<1	2.67	<0.5	18	12.9	35.2	61.6	2.15	
SE5579741 (5714684)	0.3	1.26	12	<5	245	<0.5	<1	2.71	<0.5	21	13.5	42.0	68.4	2.50	
SE5579742 (5714685)	<0.2	1.03	14	<5	132	<0.5	<1	2.48	<0.5	17	10.0	30.4	65.4	2.21	
SE5579743 (5714686)	<0.2	1.37	10	<5	149	<0.5	<1	1.92	<0.5	21	13.8	44.6	61.7	2.68	
SE5579744 (5714687)	<0.2	2.20	14	<5	241	<0.5	<1	1.12	<0.5	26	21.6	75.9	77.7	4.28	
SE5579745 (5714688)	0.3	1.60	26	<5	162	<0.5	<1	1.66	<0.5	27	16.7	56.8	58.7	3.44	
SE5579746 (5714689)	<0.2	1.60	17	<5	146	<0.5	<1	1.35	<0.5	22	16.9	55.5	66.3	3.12	
SE5579747 (5714690)	<0.2	1.02	9	<5	94	<0.5	<1	0.92	<0.5	19	9.1	29.2	35.3	2.32	
SE5579748 (5714691)	<0.2	1.29	9	<5	237	<0.5	<1	0.55	<0.5	16	10.6	31.1	57.1	2.42	
SE5579749 (5714692)	<0.2	1.21	6	<5	248	<0.5	<1	1.28	<0.5	14	9.7	31.5	75.0	2.16	
SE5579750 (5714693)	<0.2	1.57	6	<5	306	<0.5	<1	0.91	<0.5	16	13.1	54.0	81.9	2.76	
SE5579751 (5714694)	<0.2	1.80	3	<5	420	<0.5	<1	1.07	<0.5	18	17.5	76.1	70.0	3.31	
SE5579752 (5714695)	<0.2	3.85	<1	<5	673	<0.5	<1	1.69	<0.5	5	35.5	288	65.4	5.84	
SE5579753 (5714696)	<0.2	2.33	2	<5	385	<0.5	<1	0.72	<0.5	13	22.8	111	51.9	3.94	
SE5579754 (5714697)	<0.2	2.04	8	<5	390	<0.5	<1	1.09	<0.5	19	22.3	101	82.4	3.92	
SE5579755 (5714698)	0.3	1.89	16	<5	1680	<0.5	<1	0.94	<0.5	19	19.5	81.8	51.3	3.84	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 0.2	Al % 0.01	As ppm 1	B ppm 5	Ba ppm 1	Be ppm 0.5	Bi ppm 1	Ca % 0.01	Cd ppm 0.5	Ce ppm 1	Co ppm 0.5	Cr ppm 0.5	Cu ppm 0.5	Fe % 0.01
SE5579756 (5714699)		<0.2	0.65	4	≤	109	<0.5	<1	2.62	<0.5	9	4.6	15.3	32.6	1.15
SE5579757 (5714700)		<0.2	0.62	3	≤	105	<0.5	<1	1.46	<0.5	9	6.5	14.3	31.1	1.11
SE5579760 (5714701)		<0.2	0.51	4	≤	102	<0.5	<1	0.24	<0.5	7	7.9	9.1	32.0	1.20
SE5579761 (5714702)		<0.2	2.11	97	≤	411	0.9	<1	0.46	<0.5	37	66.4	37.0	566	5.40
SE5579762 (5714703)		<0.2	2.30	21	≤	327	0.6	<1	0.30	<0.5	25	26.5	48.5	136	4.69
SE5579763 (5714704)		<0.2	1.48	12	≤	355	<0.5	<1	0.41	<0.5	15	11.4	38.6	47.4	3.61
SE5579764 (5714705)		<0.2	1.07	4	≤	252	<0.5	<1	0.75	<0.5	14	13.1	26.7	36.1	2.28
SE5579765 (5714706)		0.3	0.85	7	≤	77	<0.5	<1	0.57	<0.5	9	6.2	21.4	30.2	2.02
SE5579766 (5714707)		<0.2	1.29	4	≤	148	<0.5	<1	0.66	<0.5	13	11.6	39.4	55.7	2.21
SE5579767 (5714708)		<0.2	1.56	5	≤	296	<0.5	<1	1.14	<0.5	15	17.2	58.4	85.7	2.87
SE5579768 (5714709)		<0.2	1.25	6	≤	268	<0.5	<1	1.02	<0.5	15	11.9	35.3	65.4	2.33
SE5579769 (5714710)		<0.2	1.73	12	≤	366	<0.5	<1	1.48	<0.5	20	19.3	68.6	101	3.47
SE5579770 (5714711)		<0.2	0.88	5	≤	222	<0.5	<1	2.48	<0.5	10	10.0	28.7	77.0	1.66
SE5579771 (5714712)		<0.2	1.93	5	≤	429	<0.5	<1	1.32	<0.5	16	22.6	109	84.3	3.62
SE5579772 (5714713)		0.9	2.04	19	≤	4390	<0.5	<1	0.43	<0.5	17	14.2	60.3	62.3	3.59
SE5579773 (5714714)		1.6	2.80	45	≤	1320	0.5	<1	0.56	1.3	27	20.3	104	88.9	4.97
SE5579774 (5714715)		0.9	1.50	23	≤	524	<0.5	<1	0.33	1.0	16	13.4	39.8	77.8	2.95
SE5579775 (5714716)		<0.2	2.46	22	≤	566	0.6	<1	0.22	<0.5	29	18.5	63.2	54.7	4.10
SE5579776 (5714717)		0.2	2.18	98	≤	302	<0.5	<1	0.53	<0.5	31	17.1	60.3	74.7	3.93
SE5579777 (5714718)		0.8	1.61	37	≤	365	<0.5	<1	3.44	<0.5	27	17.7	59.2	72.1	3.45
SE5579778 (5714719)		<0.2	1.95	24	≤	768	<0.5	<1	0.72	<0.5	21	15.3	53.2	57.7	3.44
SE5579779 (5714720)		0.4	1.25	17	≤	401	<0.5	<1	0.91	1.3	19	13.4	41.5	57.9	2.69
SE5579780 (5714721)		0.4	1.47	23	≤	242	<0.5	<1	4.27	<0.5	25	15.0	54.5	56.0	2.79
SE5579781 (5714722)		0.5	1.72	71	≤	335	<0.5	<1	0.40	<0.5	22	17.3	49.4	78.9	3.72
SE5579782 (5714723)		1.7	1.37	78	≤	335	<0.5	<1	1.08	<0.5	28	16.7	64.3	137	6.41
SE5579783 (5714724)		<0.2	3.07	6	≤	830	<0.5	<1	2.52	<0.5	14	36.3	188	141	5.16
SE5579784 (5714725)		0.4	2.38	13	≤	817	<0.5	<1	2.02	<0.5	27	24.9	106	103	4.39
SE5579785 (5714726)		<0.2	2.66	4	≤	698	<0.5	<1	1.74	<0.5	18	29.2	142	88.0	4.37
SE5579786 (5714727)		0.2	1.36	9	≤	176	<0.5	<1	1.62	<0.5	24	12.6	41.0	55.7	2.86
SE5579787 (5714728)		0.3	1.42	21	≤	305	<0.5	<1	1.22	<0.5	20	14.3	42.0	45.8	2.50
SE5579788 (5714729)		0.2	1.48	15	≤	158	<0.5	<1	2.78	<0.5	25	15.8	54.1	45.7	2.92
SE5579789 (5714730)		<0.2	1.52	15	≤	173	<0.5	<1	1.59	<0.5	26	15.3	48.8	65.3	2.99

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AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
SE5579790 (5714731)	<0.2	1.68	16	<5	204	<0.5	<1	1.20	<0.5	23	15.4	51.0	55.4	3.30
SE5579791 (5714732)	<0.2	2.06	132	<5	267	<0.5	<1	0.48	<0.5	23	19.4	47.0	63.9	3.71
SE5579792 (5714733)	0.6	1.68	780	<5	393	<0.5	<1	1.15	<0.5	28	23.1	46.1	81.3	4.01
SE5579793 (5714734)	0.4	1.24	18	<5	285	<0.5	<1	1.87	<0.5	16	11.4	34.2	61.9	2.37
SE5579794 (5714735)	1.2	1.66	118	<5	1090	<0.5	<1	1.06	<0.5	26	28.3	35.9	99.6	4.67
SE5579795 (5714736)	0.4	0.98	12	<5	268	<0.5	<1	1.42	1.1	11	7.6	21.4	66.5	1.91
SE5579796 (5714737)	<0.2	0.36	<1	<5	173	<0.5	<1	1.74	<0.5	4	1.5	5.9	37.4	0.61
SE5579797 (5714738)	1.5	1.51	27	<5	326	<0.5	<1	1.68	1.4	22	16.5	40.9	73.2	3.13
SE5579798 (5714739)	0.7	2.23	208	<5	1030	<0.5	<1	0.48	<0.5	28	22.1	46.6	102	6.31
SE5579799 (5714740)	<0.2	1.81	36	<5	201	<0.5	<1	0.40	<0.5	35	15.9	71.3	51.7	3.54
SE5579800 (5714741)	0.4	1.63	23	<5	325	<0.5	<1	1.07	<0.5	21	14.8	49.2	80.7	3.39
SE5579801 (5714742)	0.2	1.49	18	<5	188	<0.5	<1	1.65	<0.5	23	15.1	50.1	68.1	3.21
SE5579802 (5714743)	<0.2	2.30	12	<5	262	<0.5	<1	1.41	<0.5	19	23.7	93.6	48.4	4.58
SE5579803 (5714744)	<0.2	1.15	14	<5	211	<0.5	<1	2.82	<0.5	13	10.2	37.1	64.8	2.12
SE5579804 (5714745)	0.2	1.10	13	<5	164	<0.5	<1	2.74	<0.5	15	9.5	37.1	53.7	2.11
SE5579805 (5714746)	<0.2	1.38	20	<5	161	<0.5	<1	2.06	<0.5	19	13.6	47.1	56.6	2.83
SE5579806 (5714747)	0.3	1.56	19	<5	130	<0.5	<1	2.96	<0.5	25	16.5	62.9	51.7	3.45
SE5579807 (5714748)	0.3	1.58	22	<5	171	<0.5	<1	1.39	<0.5	25	17.6	58.9	81.0	3.25
SE5579808 (5714749)	<0.2	1.24	14	<5	121	<0.5	<1	1.49	<0.5	16	12.2	40.7	39.7	2.47
SE5579809 (5714750)	<0.2	0.81	4	<5	115	<0.5	<1	2.68	<0.5	10	6.6	20.6	80.4	1.46
SE5579810 (5714751)	<0.2	1.64	8	<5	206	<0.5	<1	1.99	<0.5	19	18.8	67.9	58.0	3.09
SE5579811 (5714752)	<0.2	1.33	3	<5	223	<0.5	<1	1.91	<0.5	12	12.1	54.8	45.7	2.24
SE5579812 (5714753)	<0.2	1.54	<1	<5	294	<0.5	<1	1.57	<0.5	14	16.8	79.2	53.5	2.71
SE5579813 (5714754)	<0.2	1.80	3	<5	403	<0.5	<1	1.83	<0.5	15	19.8	95.4	73.5	3.05
SE5579814 (5714755)	0.3	1.73	13	<5	431	<0.5	<1	1.60	<0.5	27	18.8	72.5	89.6	4.10
SE5579815 (5714756)	0.4	1.79	13	<5	310	<0.5	<1	1.44	<0.5	26	18.4	56.9	88.9	3.47
SE5579816 (5714757)	0.3	1.45	22	<5	192	<0.5	<1	1.32	<0.5	21	14.0	42.4	67.7	2.97
SE5579817 (5714758)	<0.2	1.75	13	<5	171	<0.5	<1	1.26	<0.5	28	17.4	52.4	69.1	3.27
SE5579818 (5714759)	0.3	1.60	19	<5	185	<0.5	<1	2.26	<0.5	24	15.7	64.7	66.5	3.31
SE5579819 (5714760)	<0.2	1.82	18	<5	177	<0.5	<1	1.17	<0.5	27	17.1	54.1	58.7	3.58
SE5579820 (5714761)	0.6	0.88	5	<5	240	<0.5	<1	1.43	0.7	16	7.1	20.7	125	1.79
SE5579821 (5714762)	0.2	1.22	15	<5	235	<0.5	<1	1.18	<0.5	19	13.6	36.7	56.1	2.70

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %
SE5579822 (5714763)		<0.2	2.13	20	5	192	<0.5	<1	0.86	<0.5	26	17.6	67.0	54.1	3.83
SE5579823 (5714764)		<0.2	1.48	10	5	171	<0.5	<1	1.80	<0.5	19	13.5	44.3	47.6	2.80
SE5579824 (5714765)		<0.2	1.22	10	5	153	<0.5	<1	2.35	<0.5	21	12.0	37.6	56.4	2.34
SE5579825 (5714766)		<0.2	0.61	1	5	153	<0.5	<1	3.94	<0.5	8	7.7	12.9	48.6	1.05
SE5579826 (5714767)		<0.2	1.66	17	5	195	<0.5	<1	1.15	<0.5	23	15.7	49.3	70.6	3.25
SE5579827 (5714768)		0.2	1.95	17	5	261	<0.5	<1	0.78	<0.5	26	18.0	49.4	63.7	3.76
SE5579828 (5714769)		<0.2	1.77	15	5	153	<0.5	<1	0.43	<0.5	17	15.9	49.4	44.6	3.56
SE5579829 (5714770)		<0.2	2.13	17	5	146	<0.5	<1	0.71	<0.5	18	18.4	64.2	46.8	4.02
SE5579830 (5714771)		<0.2	1.01	8	5	152	<0.5	<1	2.67	<0.5	14	10.6	32.3	45.2	2.21
SE5579831 (5714772)		<0.2	1.03	6	5	134	<0.5	<1	1.60	<0.5	14	8.3	22.8	97.3	1.79
SE5579832 (5714773)		<0.2	1.58	14	5	204	<0.5	<1	0.76	<0.5	21	16.2	46.2	38.5	3.36
SE5579833 (5714774)		<0.2	1.21	10	5	173	<0.5	<1	2.33	<0.5	17	13.2	32.3	67.6	2.27
SE5579834 (5714775)		<0.2	1.92	14	5	255	<0.5	<1	1.02	<0.5	26	16.9	58.4	62.6	3.72
SE5579835 (5714776)		<0.2	1.56	17	5	169	<0.5	<1	3.34	<0.5	24	15.8	47.0	51.1	3.02
SE5579836 (5714777)		<0.2	1.93	17	5	112	<0.5	<1	0.44	<0.5	16	16.0	59.7	25.8	3.71
SE5579837 (5714778)		<0.2	1.88	21	5	203	<0.5	<1	0.63	<0.5	26	17.3	62.6	53.0	3.57
SE5579838 (5714779)		0.3	2.44	25	5	1020	<0.5	<1	0.40	<0.5	17	16.6	53.7	45.3	4.04
SE5579839 (5714780)		<0.2	1.78	15	5	215	<0.5	<1	0.41	<0.5	17	15.5	44.2	32.4	3.38
SE5579840 (5714781)		<0.2	1.85	19	5	155	<0.5	<1	0.40	<0.5	23	15.5	56.8	46.5	3.43
SE5579841 (5714782)		<0.2	1.72	19	5	193	<0.5	<1	0.72	<0.5	31	15.4	64.8	58.9	3.28
SE5579842 (5714783)		1.3	1.99	33	5	922	<0.5	<1	0.45	1.4	22	15.2	48.1	63.7	3.59
SE5579843 (5714784)		1.8	1.73	28	5	2040	<0.5	<1	0.60	2.5	21	18.0	55.6	106	4.04
SE5579844 (5714785)		0.7	1.48	17	5	2590	<0.5	<1	0.25	<0.5	14	11.9	32.8	66.0	3.25
SE5579845 (5714786)		0.5	1.77	11	5	777	<0.5	<1	0.54	1.0	20	17.6	48.7	68.4	3.57
SE5579846 (5714787)		0.3	1.74	34	5	222	<0.5	<1	0.44	<0.5	22	13.6	46.0	51.4	3.35
SE5579847 (5714788)		0.5	2.17	21	5	326	0.5	<1	0.62	<0.5	28	19.3	53.7	65.5	3.90
SE5579848 (5714789)		<0.2	2.03	16	5	8660	<0.5	<1	0.36	<0.5	16	8.6	48.9	35.4	3.53
SE5579849 (5714790)		0.2	1.46	13	5	616	<0.5	<1	0.65	<0.5	13	11.9	35.0	37.5	2.99
SE5579850 (5714791)		0.2	1.45	13	5	203	<0.5	<1	0.92	<0.5	21	13.5	45.6	52.4	2.80
SE5579851 (5714792)		<0.2	1.81	17	5	135	<0.5	<1	0.84	<0.5	28	17.7	59.8	42.0	3.70
SE5579852 (5714793)		0.6	1.54	370	5	448	<0.5	<1	1.77	<0.5	25	36.5	50.3	95.6	4.41
SE5579853 (5714794)		1.2	2.20	40	5	405	0.5	<1	0.55	<0.5	19	15.7	52.4	49.7	4.26

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %
SE5579854 (5714795)		0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
SE5579854 (5714795)		0.2	2.17	34	<5	380	<0.5	<1	0.79	<0.5	19	19.2	52.8	62.0	3.97
SE5579855 (5714796)		<0.2	2.08	18	<5	282	0.5	<1	0.47	<0.5	27	17.9	51.9	49.5	3.80
SE5579856 (5714797)		0.3	1.95	18	<5	230	<0.5	<1	1.09	<0.5	26	19.5	72.9	59.6	3.73
SE5579857 (5714798)		<0.2	1.72	30	<5	352	<0.5	<1	1.47	<0.5	28	16.7	56.8	66.1	3.66
SE5579858 (5714799)		<0.2	0.98	18	<5	204	<0.5	<1	1.59	<0.5	17	9.4	28.5	35.5	2.23
SE5579859 (5714800)		0.2	1.31	17	<5	181	<0.5	<1	1.41	<0.5	21	13.1	42.7	49.7	2.79
SE5579860 (5714801)		NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC
SE5579610 (5714802)		0.3	1.43	105	<5	939	<0.5	<1	1.00	<0.5	23	14.9	48.8	92.3	3.65
SE5579611 (5714803)		0.5	1.50	87	<5	241	<0.5	<1	4.20	<0.5	28	16.9	50.1	73.9	3.45

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014						DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
SE5579660 (5714602)	<5	<1	<1	0.08	10	11	0.85	331	<0.5	0.04	35.0	877	3.6	23	
SE5579661 (5714603)	<5	<1	<1	0.11	15	16	0.71	445	<0.5	0.02	35.8	859	6.6	33	
SE5579662 (5714604)	<5	<1	2	0.18	8	16	0.51	278	<0.5	0.02	31.1	656	2.6	46	
SE5579663 (5714605)	<5	<1	<1	0.19	10	13	0.68	367	<0.5	0.02	39.3	819	3.5	45	
SE5579664 (5714606)	<5	<1	3	0.59	11	22	1.58	600	<0.5	0.03	72.2	1310	1.8	74	
SE5579665 (5714607)	<5	<1	1	0.27	11	20	0.96	404	<0.5	0.03	48.6	1130	1.3	52	
SE5579666 (5714608)	<5	<1	4	0.32	11	23	1.17	407	<0.5	0.02	55.2	946	1.5	58	
SE5579667 (5714609)	<5	<1	<1	0.36	13	18	1.24	551	<0.5	0.03	61.8	787	6.0	48	
SE5579668 (5714610)	<5	<1	2	0.47	9	17	1.28	358	<0.5	0.03	66.5	1500	2.7	55	
SE5579669 (5714611)	<5	<1	<1	0.06	2	<1	0.09	50	<0.5	0.05	4.9	406	<0.5	<10	
SE5579670 (5714612)	<5	<1	<1	0.16	13	16	0.77	891	1.5	0.06	102	1050	5.9	39	
SE5579671 (5714613)	<5	<1	<1	0.05	3	2	0.23	87	<0.5	0.03	39.5	598	0.8	<10	
SE5579672 (5714614)	<5	<1	<1	0.37	15	16	1.07	445	<0.5	0.02	53.5	905	7.8	45	
SE5579673 (5714615)	<5	<1	<1	0.25	16	17	0.99	464	<0.5	0.02	56.6	885	8.9	34	
SE5579674 (5714616)	<5	<1	<1	0.13	10	8	0.53	367	<0.5	0.03	31.4	650	1.0	18	
SE5579675 (5714617)	<5	<1	3	0.21	22	8	0.62	453	26.1	0.03	44.9	711	21.8	21	
SE5579676 (5714618)	<5	<1	<1	0.09	8	6	0.50	219	0.8	0.03	27.4	510	<0.5	13	
SE5579677 (5714619)	<5	<1	<1	0.09	10	8	0.54	371	<0.5	0.03	32.6	518	5.6	<10	
SE5579678 (5714620)	<5	<1	<1	0.48	13	22	1.30	921	2.8	0.02	148	2380	24.3	60	
SE5579679 (5714621)	<5	<1	<1	0.06	9	10	0.40	431	0.8	0.02	38.4	2110	73.5	12	
SE5579680 (5714622)	<5	<1	<1	0.20	27	17	1.07	1820	37.4	<0.01	299	2360	45.2	27	
SE5579681 (5714624)	<5	<1	<1	0.16	27	14	0.84	1660	7.8	<0.01	191	1950	28.1	25	
SE5579682 (5714625)	<5	<1	<1	0.23	21	18	1.27	1320	<0.5	0.03	93.0	967	15.6	40	
SE5579683 (5714626)	<5	<1	<1	0.05	4	3	0.18	149	<0.5	0.03	11.7	337	<0.5	<10	
SE5579684 (5714627)	<5	<1	<1	0.20	14	14	0.91	304	<0.5	0.02	52.1	577	6.7	29	
SE5579685 (5714628)	<5	<1	<1	0.18	18	19	1.06	392	<0.5	0.03	55.0	607	4.3	37	
SE5579686 (5714629)	<5	<1	<1	0.29	18	17	1.07	318	<0.5	0.03	59.1	518	3.7	51	
SE5579687 (5714630)	<5	<1	<1	0.27	18	18	1.15	366	<0.5	0.03	58.5	591	7.0	44	
SE5579688 (5714631)	<5	<1	<1	0.06	2	<1	0.04	50	<0.5	0.05	2.9	273	<0.5	<10	
SE5579689 (5714632)	<5	<1	<1	0.15	16	18	0.91	472	<0.5	0.03	56.1	1060	8.2	25	
SE5579690 (5714633)	<5	<1	<1	0.05	3	<1	0.07	47	<0.5	0.05	4.4	358	0.9	<10	
SE5579691 (5714634)	<5	<1	<1	0.05	2	<1	0.07	45	<0.5	0.06	4.6	326	<0.5	<10	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

5623 McADAM ROAD
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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014							DATE REPORTED: Sep 23, 2014				SAMPLE TYPE: Soil			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
Sample ID (AGAT ID)															
SE5579692 (5714635)	<5	<1	3	0.20	13	19	0.94	399	<0.5	0.03	49.9	1090	6.7	47	
SE5579693 (5714636)	<5	<1	<1	0.10	7	7	0.41	224	<0.5	0.03	26.2	655	2.7	18	
SE5579694 (5714637)	<5	<1	<1	0.20	16	15	0.81	524	<0.5	0.02	51.2	530	4.4	26	
SE5579695 (5714638)	<5	<1	<1	0.40	23	21	1.30	569	<0.5	0.03	62.5	1020	8.2	66	
SE5579696 (5714639)	<5	<1	<1	0.06	2	1	0.09	48	<0.5	0.05	4.6	354	<0.5	<10	
SE5579697 (5714640)	<5	<1	<1	0.12	10	13	0.78	437	<0.5	0.02	43.6	326	6.5	24	
SE5579698 (5714641)	<5	<1	<1	0.37	17	22	1.25	298	<0.5	0.02	59.5	617	4.9	53	
SE5579699 (5714642)	<5	<1	5	0.27	12	14	1.28	482	<0.5	0.02	55.0	1280	3.6	41	
SE5579700 (5714643)	<5	<1	4	0.35	16	17	1.26	517	8.5	0.02	55.6	1200	8.9	61	
SE5579701 (5714644)	<5	<1	<1	0.27	15	13	0.87	420	0.6	0.02	50.7	792	5.7	38	
SE5579702 (5714645)	<5	<1	2	0.06	5	4	0.18	86	<0.5	0.03	10.9	422	0.5	<10	
SE5579703 (5714646)	<5	<1	<1	0.33	19	24	2.06	780	7.0	0.02	144	1170	19.5	50	
SE5579704 (5714647)	<5	<1	2	0.17	18	17	1.40	748	1.6	0.02	88.3	1600	23.8	35	
SE5579705 (5714648)	<5	<1	<1	0.08	12	16	0.94	1260	2.2	0.02	36.8	1210	13.1	23	
SE5579706 (5714649)	<5	<1	<1	0.04	5	7	0.45	290	<0.5	0.02	17.1	698	<0.5	15	
SE5579707 (5714650)	<5	<1	<1	0.07	10	15	1.00	440	<0.5	0.02	30.2	1050	3.5	18	
SE5579708 (5714651)	<5	<1	<1	0.04	3	1	0.06	71	<0.5	0.05	3.9	302	<0.5	<10	
SE5579709 (5714652)	<5	<1	<1	0.22	16	19	1.08	744	<0.5	0.03	56.3	1450	4.6	43	
SE5579710 (5714653)	<5	<1	<1	0.22	12	14	0.77	547	8.2	0.03	35.2	754	6.0	31	
SE5579711 (5714654)	<5	<1	<1	0.10	11	15	0.85	664	<0.5	0.02	60.0	877	3.9	21	
SE5579712 (5714655)	<5	<1	<1	0.12	7	10	0.52	337	<0.5	0.03	30.6	654	2.0	25	
SE5579713 (5714656)	<5	<1	<1	0.27	16	19	1.14	432	<0.5	0.03	58.4	893	5.2	54	
SE5579714 (5714657)	<5	<1	<1	0.21	16	18	0.97	507	<0.5	0.02	54.0	703	6.1	37	
SE5579715 (5714658)	<5	<1	<1	0.20	12	16	0.89	281	<0.5	0.03	39.6	663	4.0	34	
SE5579716 (5714659)	<5	<1	3	0.09	6	7	0.41	223	<0.5	0.03	22.0	541	0.6	13	
SE5579717 (5714660)	<5	<1	2	0.30	13	20	1.57	637	<0.5	0.02	67.5	1410	4.4	64	
SE5579718 (5714661)	<5	<1	<1	0.29	11	19	1.42	900	<0.5	0.02	64.8	1320	10.8	59	
SE5579719 (5714662)	<5	<1	6	0.34	11	22	1.53	860	<0.5	0.02	90.5	1130	4.2	53	
SE5579720 (5714663)	<5	<1	5	0.22	21	17	1.04	1660	4.9	0.02	106	1310	139	38	
SE5579721 (5714664)	<5	<1	1	0.20	23	19	0.93	706	2.2	0.02	77.0	1610	18.7	39	
SE5579722 (5714665)	<5	<1	3	0.30	28	20	1.06	799	4.4	0.02	96.7	1600	21.8	51	
SE5579723 (5714666)	<5	<1	<1	0.40	24	24	1.49	911	<0.5	0.02	71.8	1070	11.9	75	

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014						DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil			
Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
SE5579724 (5714667)	<5	<1	2	0.20	16	12	0.94	326	<0.5	0.03	45.2	805	2.8	38	
SE5579725 (5714668)	<5	<1	<1	0.21	19	16	1.01	450	<0.5	0.03	54.1	986	8.1	34	
SE5579726 (5714669)	<5	<1	<1	0.18	11	13	0.68	385	<0.5	0.03	40.0	674	4.0	29	
SE5579727 (5714670)	<5	<1	5	0.24	16	13	1.12	337	<0.5	0.02	43.7	687	4.9	37	
SE5579728 (5714671)	6	<1	3	0.44	16	28	1.94	572	<0.5	0.02	112	1200	7.2	62	
SE5579729 (5714672)	<5	<1	<1	0.65	17	28	1.90	657	<0.5	0.02	66.1	1490	4.8	90	
SE5579730 (5714673)	<5	<1	4	0.44	10	22	1.42	327	<0.5	0.02	44.6	890	4.2	61	
SE5579731 (5714674)	<5	<1	1	0.24	15	14	0.92	413	<0.5	0.03	50.2	456	9.6	42	
SE5579732 (5714675)	<5	<1	2	0.08	11	13	0.76	500	<0.5	0.02	49.2	2330	9.5	16	
SE5579733 (5714676)	<5	<1	<1	0.17	16	14	0.82	369	<0.5	0.02	53.5	403	4.9	30	
SE5579734 (5714677)	<5	<1	2	0.22	13	16	0.86	532	<0.5	0.03	44.5	496	6.4	41	
SE5579735 (5714678)	<5	<1	<1	0.17	10	8	0.46	376	<0.5	0.03	29.5	688	3.0	27	
SE5579736 (5714679)	<5	<1	<1	0.22	11	17	0.86	598	8.8	0.03	43.5	620	4.9	38	
SE5579737 (5714680)	<5	<1	<1	0.12	10	12	0.59	432	0.8	0.03	24.4	820	3.6	22	
SE5579738 (5714681)	<5	<1	4	0.28	14	20	1.06	514	<0.5	0.03	56.3	900	5.3	60	
SE5579739 (5714682)	<5	<1	2	0.21	13	17	0.96	573	<0.5	0.02	49.7	974	1.8	40	
SE5579740 (5714683)	<5	<1	<1	0.16	11	10	0.61	438	<0.5	0.02	35.9	893	5.1	26	
SE5579741 (5714684)	<5	<1	<1	0.16	13	13	0.76	574	<0.5	0.02	45.5	832	5.3	31	
SE5579742 (5714685)	<5	<1	<1	0.11	10	10	0.52	321	<0.5	0.03	31.7	761	3.3	21	
SE5579743 (5714686)	<5	<1	<1	0.19	12	14	0.91	619	<0.5	0.02	41.4	821	5.6	35	
SE5579744 (5714687)	<5	<1	5	0.42	17	19	1.34	552	<0.5	0.04	64.7	931	8.1	58	
SE5579745 (5714688)	<5	<1	<1	0.25	16	18	1.11	456	<0.5	0.02	53.5	970	7.8	52	
SE5579746 (5714689)	<5	<1	<1	0.18	14	20	1.00	381	<0.5	0.02	54.0	844	3.9	39	
SE5579747 (5714690)	<5	<1	<1	0.15	12	8	0.58	268	<0.5	0.03	30.1	572	4.2	21	
SE5579748 (5714691)	<5	<1	<1	0.13	10	13	0.56	436	<0.5	0.02	28.3	749	3.3	30	
SE5579749 (5714692)	<5	<1	2	0.14	10	12	0.52	334	<0.5	0.03	32.4	805	1.7	28	
SE5579750 (5714693)	<5	<1	2	0.25	11	16	0.96	351	<0.5	0.03	45.0	882	<0.5	43	
SE5579751 (5714694)	<5	<1	<1	0.33	11	20	1.32	485	<0.5	0.03	56.7	1250	2.8	55	
SE5579752 (5714695)	5	<1	3	1.19	6	29	3.52	949	<0.5	0.03	140	1550	1.2	138	
SE5579753 (5714696)	<5	<1	<1	0.52	7	25	1.69	493	<0.5	0.03	67.0	1260	<0.5	70	
SE5579754 (5714697)	<5	<1	1	0.70	11	19	1.41	573	<0.5	0.02	69.0	1140	4.8	65	
SE5579755 (5714698)	<5	<1	2	0.38	12	20	1.20	517	<0.5	0.03	65.9	1480	5.8	52	

Certified By:



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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
SE5579756 (5714699)	<5	<1	<1	0.04	6	5	0.34	275	<0.5	0.02	18.7	631	3.2	<10
SE5579757 (5714700)	<5	<1	<1	0.06	6	4	0.28	163	<0.5	0.03	17.1	676	2.0	12
SE5579760 (5714701)	<5	<1	<1	0.08	4	3	0.17	576	6.5	0.05	13.8	591	<0.5	11
SE5579761 (5714702)	<5	<1	<1	0.38	25	23	0.91	3560	4.7	0.02	77.5	1510	41.4	66
SE5579762 (5714703)	<5	<1	7	0.33	17	23	1.00	1120	0.5	0.02	56.0	717	12.9	65
SE5579763 (5714704)	<5	<1	2	0.11	10	14	0.68	376	<0.5	0.02	31.5	894	7.2	29
SE5579764 (5714705)	<5	<1	1	0.12	8	11	0.54	556	<0.5	0.02	27.0	1070	4.2	27
SE5579765 (5714706)	<5	<1	2	0.05	5	7	0.39	151	<0.5	0.02	17.7	614	0.8	<10
SE5579766 (5714707)	<5	<1	<1	0.19	9	16	0.78	317	<0.5	0.03	34.9	704	2.5	37
SE5579767 (5714708)	<5	<1	5	0.33	9	18	1.08	489	<0.5	0.03	49.4	1060	2.3	54
SE5579768 (5714709)	<5	<1	<1	0.14	8	13	0.65	844	<0.5	0.03	31.1	952	3.4	31
SE5579769 (5714710)	<5	<1	1	0.42	13	19	1.09	537	<0.5	0.03	62.3	927	5.4	45
SE5579770 (5714711)	<5	<1	<1	0.12	6	6	0.48	323	<0.5	0.03	22.9	1020	2.6	15
SE5579771 (5714712)	6	<1	<1	0.74	10	20	1.60	496	<0.5	0.03	77.4	1620	<0.5	68
SE5579772 (5714713)	<5	<1	<1	0.22	10	15	0.93	666	<0.5	0.03	52.9	1060	18.7	30
SE5579773 (5714714)	<5	<1	<1	0.18	16	22	1.49	439	1.0	0.02	84.3	2050	130	34
SE5579774 (5714715)	<5	<1	<1	0.15	10	12	0.75	366	<0.5	0.03	42.8	932	22.0	20
SE5579775 (5714716)	<5	<1	2	0.16	14	20	1.44	360	0.9	0.02	75.2	512	12.1	38
SE5579776 (5714717)	<5	<1	<1	0.15	20	19	1.27	505	<0.5	0.02	73.1	844	15.6	30
SE5579777 (5714718)	<5	<1	<1	0.25	17	16	1.19	636	<0.5	0.02	68.3	1390	17.6	44
SE5579778 (5714719)	<5	<1	1	0.19	11	16	0.97	411	<0.5	0.03	51.9	699	7.6	34
SE5579779 (5714720)	<5	<1	2	0.19	10	10	0.72	613	<0.5	0.03	39.6	868	7.7	31
SE5579780 (5714721)	<5	<1	2	0.34	16	15	0.96	503	<0.5	0.02	56.5	966	8.0	49
SE5579781 (5714722)	<5	<1	<1	0.08	13	14	0.65	596	<0.5	0.02	43.3	527	18.3	20
SE5579782 (5714723)	<5	<1	<1	0.25	21	14	0.79	1110	2.8	0.02	65.2	1300	16.1	41
SE5579783 (5714724)	8	<1	7	1.07	9	33	3.13	657	<0.5	0.03	125	1670	<0.5	148
SE5579784 (5714725)	<5	<1	<1	0.36	16	22	1.66	607	<0.5	0.03	86.7	1120	8.1	56
SE5579785 (5714726)	<5	<1	2	0.73	11	34	2.20	711	<0.5	0.02	97.1	1490	1.1	83
SE5579786 (5714727)	<5	<1	<1	0.22	14	14	0.78	551	<0.5	0.02	38.6	1050	6.8	39
SE5579787 (5714728)	<5	<1	2	0.15	12	16	0.70	533	<0.5	0.02	38.0	910	8.9	28
SE5579788 (5714729)	<5	<1	<1	0.31	15	16	0.97	359	<0.5	0.02	48.0	809	6.4	48
SE5579789 (5714730)	<5	<1	1	0.22	17	15	0.85	658	<0.5	0.03	41.8	936	7.8	40

Certified By:



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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
SE5579790 (5714731)	<5	<1	<1	0.24	13	21	0.83	422	<0.5	0.02	43.7	463	6.4	41
SE5579791 (5714732)	<5	<1	4	0.07	12	17	0.89	392	<0.5	0.02	44.8	736	8.4	21
SE5579792 (5714733)	<5	<1	1	0.17	18	16	0.94	564	<0.5	0.02	49.9	1220	5.8	34
SE5579793 (5714734)	<5	<1	<1	0.08	10	12	0.57	399	<0.5	0.02	32.9	994	5.2	20
SE5579794 (5714735)	<5	<1	2	0.20	17	17	0.93	1000	<0.5	0.01	59.6	1590	35.0	30
SE5579795 (5714736)	<5	<1	<1	0.04	7	6	0.33	438	<0.5	0.02	21.1	854	3.5	<10
SE5579796 (5714737)	<5	<1	<1	0.02	3	<1	0.09	44	<0.5	0.03	7.8	446	<0.5	<10
SE5579797 (5714738)	<5	<1	2	0.08	13	11	0.68	1060	<0.5	0.02	43.0	1240	37.2	18
SE5579798 (5714739)	<5	<1	1	0.41	16	19	1.11	482	1.0	0.02	49.1	952	10.8	51
SE5579799 (5714740)	<5	<1	3	0.28	17	17	1.10	408	<0.5	0.02	65.0	883	9.8	49
SE5579800 (5714741)	<5	<1	<1	0.25	14	17	0.89	472	<0.5	0.03	54.8	903	6.6	42
SE5579801 (5714742)	<5	<1	<1	0.17	14	18	0.87	428	<0.5	0.02	46.4	937	4.6	35
SE5579802 (5714743)	<5	<1	5	0.37	11	27	1.66	585	<0.5	0.02	63.3	1560	5.2	80
SE5579803 (5714744)	<5	<1	<1	0.13	9	11	0.61	412	7.3	0.02	37.0	936	6.8	20
SE5579804 (5714745)	<5	<1	3	0.12	10	12	0.59	288	<0.5	0.02	33.9	866	6.7	24
SE5579805 (5714746)	<5	<1	2	0.15	13	16	0.76	378	<0.5	0.02	44.1	783	6.4	25
SE5579806 (5714747)	<5	<1	<1	0.40	16	17	1.24	397	<0.5	0.02	53.3	1130	5.0	64
SE5579807 (5714748)	<5	<1	4	0.23	16	18	0.99	512	<0.5	0.02	66.5	1280	10.5	42
SE5579808 (5714749)	<5	<1	<1	0.17	9	16	0.70	288	<0.5	0.02	33.0	403	3.9	33
SE5579809 (5714750)	<5	<1	<1	0.06	6	6	0.37	223	<0.5	0.02	24.6	548	3.9	<10
SE5579810 (5714751)	<5	<1	<1	0.12	13	18	0.87	606	<0.5	0.03	59.3	967	8.8	37
SE5579811 (5714752)	<5	<1	<1	0.12	8	13	0.93	353	<0.5	0.02	37.6	941	3.7	31
SE5579812 (5714753)	<5	<1	<1	0.14	9	17	0.99	436	<0.5	0.02	45.0	911	4.2	37
SE5579813 (5714754)	<5	<1	2	0.28	10	22	1.34	541	<0.5	0.02	59.7	1210	3.1	62
SE5579814 (5714755)	<5	<1	4	0.46	17	19	1.18	711	<0.5	0.02	64.5	1390	11.2	63
SE5579815 (5714756)	<5	<1	<1	0.21	16	18	0.99	791	<0.5	0.02	54.4	1030	9.3	47
SE5579816 (5714757)	<5	<1	<1	0.11	13	15	0.73	489	<0.5	0.02	35.6	952	7.6	21
SE5579817 (5714758)	<5	<1	<1	0.21	17	20	0.91	583	<0.5	0.02	50.9	897	9.0	52
SE5579818 (5714759)	<5	<1	<1	0.30	15	18	1.17	502	<0.5	0.02	54.8	1120	12.3	61
SE5579819 (5714760)	<5	<1	<1	0.20	16	16	0.83	441	<0.5	0.03	54.2	500	8.3	39
SE5579820 (5714761)	<5	<1	<1	0.09	10	9	0.40	257	<0.5	0.03	32.6	954	2.8	17
SE5579821 (5714762)	<5	<1	1	0.18	11	12	0.81	319	<0.5	0.02	44.0	952	5.2	28

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
SE5579822 (5714763)	<5	<1	3	0.16	14	20	0.95	406	<0.5	0.02	59.4	727	7.6	30
SE5579823 (5714764)	<5	<1	<1	0.14	11	16	0.75	544	<0.5	0.02	39.7	720	6.0	27
SE5579824 (5714765)	<5	<1	1	0.12	13	13	0.67	480	<0.5	0.02	28.2	846	7.3	25
SE5579825 (5714766)	<5	<1	<1	0.04	5	2	0.29	315	<0.5	0.02	18.0	735	3.2	<10
SE5579826 (5714767)	<5	<1	2	0.14	14	18	0.73	637	<0.5	0.02	50.2	458	7.7	29
SE5579827 (5714768)	<5	<1	2	0.16	16	13	0.79	1070	<0.5	0.03	49.2	541	6.9	33
SE5579828 (5714769)	<5	<1	<1	0.11	9	11	0.72	444	<0.5	0.02	37.2	243	8.0	25
SE5579829 (5714770)	<5	<1	6	0.18	11	14	0.95	392	2.5	0.02	51.3	380	11.7	31
SE5579830 (5714771)	<5	<1	<1	0.11	8	9	0.57	511	<0.5	0.02	32.9	923	3.0	23
SE5579831 (5714772)	<5	<1	<1	0.08	8	8	0.40	247	<0.5	0.03	24.5	565	2.5	12
SE5579832 (5714773)	<5	<1	2	0.09	13	11	0.71	397	<0.5	0.02	40.1	489	8.5	18
SE5579833 (5714774)	<5	<1	2	0.06	10	11	0.49	397	<0.5	0.02	31.0	852	3.5	13
SE5579834 (5714775)	<5	<1	<1	0.15	18	15	0.78	493	<0.5	0.03	49.3	565	7.3	39
SE5579835 (5714776)	<5	<1	<1	0.29	15	14	0.92	441	<0.5	0.03	48.1	704	3.4	47
SE5579836 (5714777)	<5	<1	2	0.22	8	16	0.93	377	<0.5	0.02	41.9	501	6.9	45
SE5579837 (5714778)	<5	<1	5	0.29	18	15	0.98	620	<0.5	0.02	50.8	855	8.1	44
SE5579838 (5714779)	<5	<1	2	0.09	10	15	0.90	614	0.6	0.02	44.4	457	34.2	21
SE5579839 (5714780)	<5	<1	3	0.09	9	10	0.65	620	<0.5	0.03	36.8	436	10.7	26
SE5579840 (5714781)	<5	<1	<1	0.24	13	15	0.86	354	<0.5	0.02	47.4	358	4.5	38
SE5579841 (5714782)	<5	<1	2	0.32	19	16	1.08	429	<0.5	0.03	56.5	992	7.8	53
SE5579842 (5714783)	<5	<1	<1	0.08	12	12	0.80	500	<0.5	0.02	61.0	1660	45.8	16
SE5579843 (5714784)	<5	<1	<1	0.19	14	17	0.89	457	2.3	0.02	103	2730	20.8	35
SE5579844 (5714785)	<5	<1	1	0.11	9	9	0.46	503	0.6	0.03	50.2	1140	13.0	14
SE5579845 (5714786)	<5	<1	<1	0.13	10	11	0.75	1010	<0.5	0.03	42.0	1210	9.0	33
SE5579846 (5714787)	<5	<1	<1	0.17	12	13	0.75	342	<0.5	0.03	47.6	1260	15.5	34
SE5579847 (5714788)	<5	<1	<1	0.14	17	12	0.83	671	<0.5	0.03	61.0	668	15.3	27
SE5579848 (5714789)	<5	<1	<1	0.13	8	14	0.88	289	<0.5	0.02	50.0	235	6.8	21
SE5579849 (5714790)	<5	<1	1	0.09	7	12	0.53	380	<0.5	0.03	28.6	482	7.5	24
SE5579850 (5714791)	<5	<1	<1	0.17	13	15	0.84	319	<0.5	0.03	43.0	897	4.2	35
SE5579851 (5714792)	5	<1	<1	0.18	18	18	1.13	490	<0.5	0.03	53.6	975	7.7	38
SE5579852 (5714793)	<5	<1	<1	0.15	25	14	1.12	716	23.5	0.03	67.0	1430	21.6	30
SE5579853 (5714794)	<5	<1	<1	0.13	12	13	0.88	534	1.3	0.02	59.9	1600	20.3	20

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AGAT WORK ORDER: 14Y878430

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ga ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Rb ppm
SE5579854 (5714795)		<5	<1	2	0.17	11	17	0.93	702	<0.5	0.03	52.1	663	6.8	36
SE5579855 (5714796)		<5	<1	3	0.09	15	14	0.76	443	<0.5	0.02	46.7	473	7.7	22
SE5579856 (5714797)		<5	<1	<1	0.27	15	20	1.24	601	<0.5	0.03	60.6	1200	6.1	55
SE5579857 (5714798)		<5	<1	<1	0.21	17	18	1.00	486	<0.5	0.03	58.2	915	9.1	43
SE5579858 (5714799)		<5	<1	3	0.10	10	10	0.57	333	<0.5	0.03	27.9	741	4.5	18
SE5579859 (5714800)		<5	<1	2	0.18	12	14	0.81	504	<0.5	0.03	46.0	875	4.7	32
SE5579860 (5714801)		NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC
SE5579610 (5714802)		<5	<1	1	0.20	15	14	0.86	509	0.9	0.02	66.4	1220	20.5	25
SE5579611 (5714803)		<5	<1	<1	0.34	19	15	1.07	565	<0.5	0.02	62.2	1220	7.0	51

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
SE5579660 (5714602)	0.073	<1	2.1	<10	<5	41.0	<10	<10	<5	0.15	<5	<5	51.9	<1	
SE5579661 (5714603)	0.076	<1	2.5	<10	<5	34.4	<10	<10	<5	0.08	<5	<5	54.6	<1	
SE5579662 (5714604)	0.051	<1	1.7	<10	<5	19.0	<10	<10	<5	0.10	<5	<5	56.3	<1	
SE5579663 (5714605)	0.089	2	2.7	<10	<5	37.3	<10	<10	<5	0.09	<5	<5	55.3	<1	
SE5579664 (5714606)	0.049	<1	3.8	<10	<5	32.5	<10	<10	<5	0.20	<5	<5	86.2	<1	
SE5579665 (5714607)	0.097	<1	2.9	<10	<5	37.0	<10	<10	<5	0.12	<5	<5	59.4	<1	
SE5579666 (5714608)	0.078	<1	3.3	<10	<5	29.7	<10	<10	<5	0.16	<5	<5	66.7	<1	
SE5579667 (5714609)	0.030	<1	5.4	<10	<5	25.9	<10	<10	<5	0.18	<5	<5	92.0	<1	
SE5579668 (5714610)	0.031	<1	4.1	<10	<5	19.4	<10	<10	<5	0.19	<5	<5	80.5	<1	
SE5579669 (5714611)	0.022	<1	<0.5	<10	<5	17.2	<10	<10	<5	0.02	<5	<5	12.7	<1	
SE5579670 (5714612)	0.075	<1	4.2	<10	<5	48.3	<10	<10	<5	0.08	<5	<5	79.9	<1	
SE5579671 (5714613)	0.227	<1	<0.5	<10	<5	92.0	<10	<10	<5	0.03	<5	6	15.9	<1	
SE5579672 (5714614)	0.047	<1	4.2	<10	<5	116	<10	<10	<5	0.11	<5	<5	57.5	<1	
SE5579673 (5714615)	0.046	<1	4.7	<10	<5	49.7	<10	<10	<5	0.11	<5	<5	63.5	<1	
SE5579674 (5714616)	0.126	<1	2.1	<10	<5	68.5	<10	<10	<5	0.06	<5	<5	35.3	<1	
SE5579675 (5714617)	0.062	2	2.5	<10	<5	75.1	<10	<10	<5	0.06	<5	<5	38.3	<1	
SE5579676 (5714618)	0.101	<1	1.7	<10	<5	69.3	<10	<10	<5	0.05	<5	<5	33.3	<1	
SE5579677 (5714619)	0.048	<1	2.6	<10	<5	31.1	<10	<10	<5	0.06	<5	<5	42.4	<1	
SE5579678 (5714620)	0.179	19	6.1	<10	<5	83.9	<10	<10	<5	0.16	<5	<5	92.6	<1	
SE5579679 (5714621)	0.056	27	1.6	<10	<5	28.3	<10	<10	<5	0.05	<5	<5	53.5	<1	
SE5579680 (5714622)	0.354	86	11.1	<10	<5	55.5	<10	<10	<5	0.05	<5	5	197	<1	
SE5579681 (5714624)	0.229	9	5.5	<10	<5	78.3	<10	<10	<5	0.04	<5	<5	61.6	<1	
SE5579682 (5714625)	0.034	1	7.6	<10	<5	48.1	<10	<10	<5	0.14	<5	<5	83.6	<1	
SE5579683 (5714626)	0.030	<1	0.9	<10	<5	24.9	<10	<10	<5	0.04	<5	<5	25.0	<1	
SE5579684 (5714627)	0.020	<1	4.6	<10	<5	30.3	<10	<10	<5	0.11	<5	<5	62.2	<1	
SE5579685 (5714628)	0.033	<1	4.8	<10	<5	33.6	<10	<10	<5	0.13	<5	<5	63.9	<1	
SE5579686 (5714629)	0.022	<1	6.2	<10	<5	28.4	<10	<10	<5	0.13	<5	<5	67.6	<1	
SE5579687 (5714630)	0.022	<1	5.7	<10	<5	38.8	<10	<10	<5	0.14	<5	<5	71.5	<1	
SE5579688 (5714631)	0.015	<1	<0.5	<10	<5	12.6	<10	<10	<5	0.02	<5	<5	12.7	<1	
SE5579689 (5714632)	0.021	<1	5.0	<10	<5	38.2	<10	<10	<5	0.10	<5	<5	64.6	<1	
SE5579690 (5714633)	0.026	<1	<0.5	<10	<5	17.0	<10	<10	<5	0.04	<5	<5	24.3	<1	
SE5579691 (5714634)	0.025	<1	<0.5	<10	<5	19.5	<10	<10	<5	0.03	<5	<5	17.2	<1	

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
Sample ID (AGAT ID)															
SE5579692 (5714635)	0.037	<1	3.9	<10	<5	63.0	<10	<10	<5	0.11	<5	<5	58.6	<1	
SE5579693 (5714636)	0.069	<1	1.5	<10	<5	82.9	<10	<10	<5	0.05	<5	<5	31.9	<1	
SE5579694 (5714637)	0.021	<1	5.0	<10	<5	38.5	<10	<10	<5	0.11	<5	<5	70.2	<1	
SE5579695 (5714638)	0.017	<1	6.8	<10	<5	57.3	<10	<10	<5	0.15	<5	<5	72.8	<1	
SE5579696 (5714639)	0.016	<1	<0.5	<10	<5	18.8	<10	<10	<5	0.03	<5	<5	17.6	<1	
SE5579697 (5714640)	0.013	<1	3.9	<10	<5	29.5	<10	<10	<5	0.11	<5	<5	77.1	<1	
SE5579698 (5714641)	0.010	<1	6.0	<10	<5	18.7	<10	<10	<5	0.18	<5	<5	80.4	<1	
SE5579699 (5714642)	0.026	<1	3.8	<10	<5	124	<10	<10	<5	0.14	<5	<5	68.2	<1	
SE5579700 (5714643)	0.025	<1	4.1	<10	<5	174	<10	<10	<5	0.13	<5	<5	63.3	<1	
SE5579701 (5714644)	0.023	<1	3.9	<10	<5	90.2	<10	<10	<5	0.10	<5	<5	59.3	<1	
SE5579702 (5714645)	0.052	<1	0.6	<10	<5	37.8	<10	<10	<5	0.03	<5	<5	22.7	<1	
SE5579703 (5714646)	0.075	7	5.6	<10	<5	59.4	<10	<10	<5	0.08	<5	<5	55.2	<1	
SE5579704 (5714647)	0.101	5	7.4	<10	<5	37.1	<10	<10	<5	0.12	<5	<5	95.4	<1	
SE5579705 (5714648)	0.058	1	5.2	<10	<5	25.4	<10	<10	<5	0.11	<5	<5	89.5	<1	
SE5579706 (5714649)	0.168	<1	2.0	<10	<5	44.4	<10	<10	<5	0.05	<5	<5	37.5	<1	
SE5579707 (5714650)	0.108	1	4.7	<10	<5	56.3	<10	<10	<5	0.07	<5	<5	67.8	<1	
SE5579708 (5714651)	0.024	<1	<0.5	<10	<5	14.6	<10	<10	<5	0.02	<5	<5	14.1	<1	
SE5579709 (5714652)	0.024	<1	6.0	<10	<5	31.2	<10	<10	<5	0.13	<5	<5	71.6	<1	
SE5579710 (5714653)	0.036	<1	4.3	<10	<5	31.5	<10	<10	<5	0.12	<5	<5	73.7	<1	
SE5579711 (5714654)	0.093	<1	4.1	<10	<5	67.0	<10	<10	<5	0.11	<5	<5	63.3	<1	
SE5579712 (5714655)	0.110	<1	1.9	<10	<5	74.1	<10	<10	<5	0.06	<5	<5	35.3	<1	
SE5579713 (5714656)	0.051	<1	5.7	<10	<5	61.0	<10	<10	<5	0.13	<5	<5	68.8	<1	
SE5579714 (5714657)	0.054	<1	4.9	<10	<5	73.8	<10	<10	<5	0.11	<5	<5	59.2	<1	
SE5579715 (5714658)	0.061	<1	3.7	<10	<5	65.7	<10	<10	<5	0.10	<5	<5	52.2	<1	
SE5579716 (5714659)	0.123	<1	1.3	<10	<5	84.6	<10	<10	<5	0.05	<5	<5	26.2	<1	
SE5579717 (5714660)	0.065	<1	6.1	<10	<5	34.8	<10	<10	<5	0.18	<5	<5	96.2	<1	
SE5579718 (5714661)	0.060	<1	5.0	<10	<5	41.3	<10	<10	<5	0.17	<5	<5	83.5	<1	
SE5579719 (5714662)	0.134	<1	5.6	<10	<5	49.4	<10	<10	<5	0.16	<5	<5	89.8	<1	
SE5579720 (5714663)	0.117	4	5.1	<10	<5	78.4	<10	<10	<5	0.07	<5	<5	62.7	<1	
SE5579721 (5714664)	0.073	1	4.1	<10	<5	49.6	<10	<10	<5	0.09	<5	<5	63.7	<1	
SE5579722 (5714665)	0.101	1	4.1	<10	<5	52.0	<10	<10	<5	0.09	<5	<5	81.2	<1	
SE5579723 (5714666)	0.091	<1	4.9	<10	<5	58.3	<10	<10	<5	0.13	<5	<5	74.8	<1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014										DATE REPORTED: Sep 23, 2014			SAMPLE TYPE: Soil	
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
SE5579724 (5714667)	0.041	<1	4.5	<10	<5	104	<10	<10	<5	0.10	<5	<5	51.9	<1	
SE5579725 (5714668)	0.036	<1	5.3	<10	<5	60.7	<10	<10	<5	0.11	<5	<5	64.0	<1	
SE5579726 (5714669)	0.024	<1	3.2	<10	<5	42.3	<10	<10	<5	0.09	<5	<5	47.4	<1	
SE5579727 (5714670)	0.020	<1	6.6	<10	<5	34.2	<10	<10	<5	0.13	<5	<5	67.8	<1	
SE5579728 (5714671)	0.019	<1	7.3	<10	<5	22.7	<10	<10	<5	0.20	<5	<5	97.2	<1	
SE5579729 (5714672)	0.024	<1	7.8	<10	<5	37.5	<10	<10	<5	0.23	<5	<5	122	<1	
SE5579730 (5714673)	0.009	<1	4.4	<10	<5	19.4	<10	<10	<5	0.19	<5	<5	103	<1	
SE5579731 (5714674)	0.030	<1	5.1	<10	<5	50.3	<10	<10	<5	0.12	<5	<5	67.1	<1	
SE5579732 (5714675)	0.016	<1	4.3	<10	<5	25.9	<10	<10	<5	0.09	<5	<5	92.7	<1	
SE5579733 (5714676)	0.033	<1	4.9	<10	<5	20.4	<10	<10	<5	0.13	<5	<5	80.3	<1	
SE5579734 (5714677)	0.017	<1	5.4	<10	<5	32.8	<10	<10	<5	0.14	<5	<5	81.9	<1	
SE5579735 (5714678)	0.044	<1	2.0	<10	<5	30.9	<10	<10	<5	0.09	<5	<5	53.8	<1	
SE5579736 (5714679)	0.053	<1	4.0	<10	<5	35.5	<10	<10	<5	0.13	<5	<5	78.8	<1	
SE5579737 (5714680)	0.054	<1	2.3	<10	<5	48.7	<10	<10	<5	0.08	<5	<5	43.6	<1	
SE5579738 (5714681)	0.037	<1	5.1	<10	<5	35.6	<10	<10	<5	0.14	<5	<5	69.2	<1	
SE5579739 (5714682)	0.086	<1	4.1	<10	<5	66.0	<10	<10	<5	0.11	<5	<5	66.3	<1	
SE5579740 (5714683)	0.102	<1	2.5	<10	<5	92.0	<10	<10	<5	0.08	<5	<5	42.9	<1	
SE5579741 (5714684)	0.090	<1	3.2	<10	<5	95.0	<10	<10	<5	0.08	<5	<5	46.4	<1	
SE5579742 (5714685)	0.114	<1	2.2	<10	<5	89.3	<10	<10	<5	0.06	<5	<5	36.7	<1	
SE5579743 (5714686)	0.056	<1	3.4	<10	<5	67.5	<10	<10	<5	0.10	<5	<5	49.9	<1	
SE5579744 (5714687)	0.028	<1	6.8	<10	<5	41.9	<10	<10	<5	0.16	<5	<5	83.4	<1	
SE5579745 (5714688)	0.052	<1	4.6	<10	<5	67.3	<10	<10	<5	0.12	<5	<5	61.1	<1	
SE5579746 (5714689)	0.035	<1	4.5	<10	<5	52.4	<10	<10	<5	0.11	<5	<5	60.5	<1	
SE5579747 (5714690)	0.033	<1	2.5	<10	<5	35.6	<10	<10	<5	0.08	<5	<5	40.6	<1	
SE5579748 (5714691)	0.061	<1	1.9	<10	<5	28.2	<10	<10	<5	0.08	<5	<5	49.7	<1	
SE5579749 (5714692)	0.081	<1	2.2	<10	<5	38.5	<10	<10	<5	0.07	<5	<5	42.5	<1	
SE5579750 (5714693)	0.052	<1	3.5	<10	<5	29.7	<10	<10	<5	0.13	<5	<5	63.2	<1	
SE5579751 (5714694)	0.052	<1	4.1	<10	<5	30.2	<10	<10	<5	0.16	<5	<5	80.0	<1	
SE5579752 (5714695)	0.012	<1	8.8	<10	<5	30.7	<10	<10	<5	0.51	<5	<5	162	<1	
SE5579753 (5714696)	0.012	<1	3.9	<10	<5	26.6	<10	<10	<5	0.23	<5	<5	96.1	<1	
SE5579754 (5714697)	0.049	<1	4.8	<10	<5	31.6	<10	<10	<5	0.20	<5	<5	91.3	<1	
SE5579755 (5714698)	0.083	<1	5.0	<10	<5	39.1	<10	<10	<5	0.15	<5	<5	84.5	<1	

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
SE5579756 (5714699)	0.199	<1	0.7	<10	<5	101	<10	<10	<5	0.04	<5	6	23.1	<1	
SE5579757 (5714700)	0.094	<1	0.8	<10	<5	57.7	<10	<10	<5	0.04	<5	<5	24.5	<1	
SE5579760 (5714701)	0.052	<1	0.5	<10	<5	13.6	<10	<10	<5	0.04	<5	<5	28.8	<1	
SE5579761 (5714702)	0.269	3	3.1	<10	<5	30.0	<10	<10	<5	0.07	<5	<5	65.7	<1	
SE5579762 (5714703)	0.214	<1	3.3	<10	<5	21.7	<10	<10	<5	0.14	<5	<5	84.0	<1	
SE5579763 (5714704)	0.157	<1	1.4	<10	<5	26.8	<10	<10	<5	0.08	<5	<5	69.2	<1	
SE5579764 (5714705)	0.129	<1	1.7	<10	<5	34.5	<10	<10	<5	0.06	<5	<5	43.0	<1	
SE5579765 (5714706)	0.074	<1	<0.5	<10	<5	26.3	<10	<10	<5	0.06	<5	<5	42.2	<1	
SE5579766 (5714707)	0.060	<1	2.3	<10	<5	21.2	<10	<10	<5	0.09	<5	<5	44.8	<1	
SE5579767 (5714708)	0.063	<1	2.6	<10	<5	29.1	<10	<10	<5	0.14	<5	<5	63.7	<1	
SE5579768 (5714709)	0.129	<1	1.4	<10	<5	41.3	<10	<10	<5	0.08	<5	<5	46.8	<1	
SE5579769 (5714710)	0.070	<1	4.3	<10	<5	43.1	<10	<10	<5	0.13	<5	<5	74.0	<1	
SE5579770 (5714711)	0.153	<1	0.9	<10	<5	64.7	<10	<10	<5	0.06	<5	<5	35.8	<1	
SE5579771 (5714712)	0.049	<1	3.9	<10	<5	34.2	<10	<10	<5	0.22	<5	<5	88.3	<1	
SE5579772 (5714713)	0.094	2	3.9	<10	<5	33.1	<10	<10	<5	0.13	<5	<5	72.2	<1	
SE5579773 (5714714)	0.080	13	6.6	<10	<5	80.3	<10	<10	<5	0.16	<5	<5	103	<1	
SE5579774 (5714715)	0.037	1	2.7	<10	<5	22.6	<10	<10	<5	0.09	<5	<5	66.4	<1	
SE5579775 (5714716)	0.033	6	6.7	<10	<5	15.0	<10	<10	<5	0.15	<5	<5	107	<1	
SE5579776 (5714717)	0.041	1	7.1	<10	<5	28.5	<10	<10	<5	0.13	<5	<5	96.7	<1	
SE5579777 (5714718)	0.062	2	4.7	<10	<5	103	<10	<10	<5	0.11	<5	<5	65.0	<1	
SE5579778 (5714719)	0.018	<1	4.9	<10	<5	32.4	<10	<10	<5	0.11	<5	<5	83.5	<1	
SE5579779 (5714720)	0.022	<1	3.6	<10	<5	41.1	<10	<10	<5	0.09	<5	<5	50.8	<1	
SE5579780 (5714721)	0.054	<1	3.6	<10	<5	114	<10	<10	<5	0.08	<5	<5	49.0	<1	
SE5579781 (5714722)	0.026	<1	3.9	<10	<5	24.1	<10	<10	<5	0.11	<5	<5	93.2	<1	
SE5579782 (5714723)	0.226	2	3.8	<10	<5	78.9	<10	<10	<5	0.11	<5	<5	118	<1	
SE5579783 (5714724)	0.037	<1	6.8	<10	<5	58.2	<10	<10	<5	0.28	<5	<5	136	<1	
SE5579784 (5714725)	0.097	<1	6.1	<10	<5	79.5	<10	<10	<5	0.17	<5	<5	94.7	<1	
SE5579785 (5714726)	0.093	<1	6.9	<10	<5	60.5	<10	<10	<5	0.25	<5	<5	102	<1	
SE5579786 (5714727)	0.096	<1	3.4	<10	<5	76.6	<10	<10	<5	0.09	<5	<5	53.2	<1	
SE5579787 (5714728)	0.063	<1	2.9	<10	<5	55.5	<10	<10	<5	0.09	<5	<5	49.6	<1	
SE5579788 (5714729)	0.050	<1	4.5	<10	<5	100	<10	<10	<5	0.11	<5	<5	57.4	<1	
SE5579789 (5714730)	0.059	<1	4.0	<10	<5	69.1	<10	<10	<5	0.09	<5	<5	53.3	<1	

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
SE5579790 (5714731)	0.037	<1	4.3	<10	<5	49.3	<10	<10	<5	0.11	<5	<5	65.7	<1	
SE5579791 (5714732)	0.014	<1	4.0	<10	<5	25.0	<10	<10	<5	0.13	<5	<5	79.4	<1	
SE5579792 (5714733)	0.082	5	7.3	<10	<5	50.1	<10	<10	<5	0.09	<5	<5	69.3	<1	
SE5579793 (5714734)	0.097	<1	2.6	<10	<5	63.0	<10	<10	<5	0.07	<5	<5	46.2	<1	
SE5579794 (5714735)	0.110	4	6.3	<10	<5	48.5	<10	<10	<5	0.10	<5	<5	81.5	<1	
SE5579795 (5714736)	0.078	<1	2.0	<10	<5	37.8	<10	<10	<5	0.05	<5	<5	45.1	<1	
SE5579796 (5714737)	0.109	<1	<0.5	<10	<5	35.6	<10	<10	<5	0.02	<5	<5	12.4	<1	
SE5579797 (5714738)	0.072	<1	3.5	<10	<5	50.9	<10	<10	<5	0.07	<5	<5	55.5	<1	
SE5579798 (5714739)	0.230	4	7.8	<10	<5	38.1	<10	<10	<5	0.12	<5	<5	107	<1	
SE5579799 (5714740)	0.019	<1	5.0	<10	<5	18.6	<10	<10	<5	0.11	<5	<5	61.0	<1	
SE5579800 (5714741)	0.057	<1	4.7	<10	<5	40.9	<10	<10	<5	0.12	<5	<5	67.8	<1	
SE5579801 (5714742)	0.084	<1	4.3	<10	<5	60.9	<10	<10	<5	0.10	<5	<5	61.3	<1	
SE5579802 (5714743)	0.038	<1	5.9	<10	<5	46.8	<10	<10	<5	0.20	<5	<5	90.5	<1	
SE5579803 (5714744)	0.115	<1	2.1	<10	<5	88.6	<10	<10	<5	0.06	<5	<5	38.7	<1	
SE5579804 (5714745)	0.118	<1	2.2	<10	<5	90.5	<10	<10	<5	0.06	<5	<5	35.1	<1	
SE5579805 (5714746)	0.087	<1	3.3	<10	<5	68.5	<10	<10	<5	0.08	<5	<5	52.0	<1	
SE5579806 (5714747)	0.044	<1	4.6	<10	<5	102	<10	<10	<5	0.12	<5	<5	60.7	<1	
SE5579807 (5714748)	0.045	<1	4.3	<10	<5	49.3	<10	<10	<5	0.10	<5	<5	57.8	<1	
SE5579808 (5714749)	0.052	<1	2.8	<10	<5	53.8	<10	<10	<5	0.09	<5	<5	47.2	<1	
SE5579809 (5714750)	0.110	<1	1.2	<10	<5	101	<10	<10	<5	0.04	<5	<5	26.4	<1	
SE5579810 (5714751)	0.104	<1	4.0	<10	<5	64.1	<10	<10	<5	0.11	<5	<5	58.5	<1	
SE5579811 (5714752)	0.101	<1	2.8	<10	<5	64.1	<10	<10	<5	0.10	<5	<5	47.4	<1	
SE5579812 (5714753)	0.088	<1	3.2	<10	<5	48.5	<10	<10	<5	0.12	<5	<5	65.5	<1	
SE5579813 (5714754)	0.077	<1	4.0	<10	<5	46.8	<10	<10	<5	0.15	<5	<5	73.6	<1	
SE5579814 (5714755)	0.172	<1	4.6	<10	<5	63.5	<10	<10	<5	0.14	<5	<5	89.6	<1	
SE5579815 (5714756)	0.083	<1	4.7	<10	<5	56.2	<10	<10	<5	0.11	<5	<5	64.7	<1	
SE5579816 (5714757)	0.054	<1	3.6	<10	<5	58.7	<10	<10	<5	0.08	<5	<5	53.8	<1	
SE5579817 (5714758)	0.035	<1	4.4	<10	<5	55.0	<10	<10	<5	0.10	<5	<5	54.5	<1	
SE5579818 (5714759)	0.054	<1	4.3	<10	<5	80.8	<10	<10	<5	0.11	<5	<5	63.2	<1	
SE5579819 (5714760)	0.020	<1	4.6	<10	<5	48.2	<10	<10	<5	0.11	<5	<5	62.1	<1	
SE5579820 (5714761)	0.078	<1	1.2	<10	<5	59.5	<10	<10	<5	0.05	<5	<5	36.6	<1	
SE5579821 (5714762)	0.033	<1	3.3	<10	<5	45.0	<10	<10	<5	0.09	<5	<5	52.4	<1	

Certified By:



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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014	DATE RECEIVED: Aug 20, 2014					DATE REPORTED: Sep 23, 2014					SAMPLE TYPE: Soil				
Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
SE5579822 (5714763)	0.018	<1	6.0	<10	<5	37.8	<10	<10	<5	0.11	<5	<5	74.0	<1	
SE5579823 (5714764)	0.055	<1	3.4	<10	<5	79.9	<10	<10	<5	0.09	<5	<5	51.9	<1	
SE5579824 (5714765)	0.099	<1	2.7	<10	<5	98.3	<10	<10	<5	0.07	<5	<5	45.0	<1	
SE5579825 (5714766)	0.159	<1	0.6	<10	<5	150	<10	<10	<5	0.03	<5	<5	21.2	<1	
SE5579826 (5714767)	0.027	<1	4.4	<10	<5	50.3	<10	<10	<5	0.10	<5	<5	65.8	<1	
SE5579827 (5714768)	0.013	<1	5.1	<10	<5	36.4	<10	<10	<5	0.10	<5	<5	67.8	<1	
SE5579828 (5714769)	0.010	<1	3.7	<10	<5	21.4	<10	<10	<5	0.10	<5	<5	69.3	<1	
SE5579829 (5714770)	0.015	<1	4.7	<10	<5	26.8	<10	<10	<5	0.13	<5	<5	80.5	<1	
SE5579830 (5714771)	0.109	<1	2.3	<10	<5	97.2	<10	<10	<5	0.06	<5	<5	41.3	<1	
SE5579831 (5714772)	0.063	<1	1.6	<10	<5	73.0	<10	<10	<5	0.06	<5	<5	34.8	<1	
SE5579832 (5714773)	0.016	<1	4.4	<10	<5	35.5	<10	<10	<5	0.10	<5	<5	64.9	<1	
SE5579833 (5714774)	0.103	<1	2.3	<10	<5	94.9	<10	<10	<5	0.06	<5	<5	46.7	<1	
SE5579834 (5714775)	0.031	<1	4.1	<10	<5	44.8	<10	<10	<5	0.11	<5	<5	70.3	<1	
SE5579835 (5714776)	0.048	<1	4.1	<10	<5	83.4	<10	<10	<5	0.11	<5	<5	58.0	<1	
SE5579836 (5714777)	0.010	<1	3.9	<10	<5	16.9	<10	<10	<5	0.14	<5	<5	74.8	<1	
SE5579837 (5714778)	0.024	<1	7.3	<10	<5	27.5	<10	<10	<5	0.13	<5	<5	74.6	<1	
SE5579838 (5714779)	0.021	<1	3.9	<10	<5	23.9	<10	<10	<5	0.10	<5	<5	89.4	<1	
SE5579839 (5714780)	0.010	<1	3.6	<10	<5	19.3	<10	<10	<5	0.10	<5	<5	68.1	<1	
SE5579840 (5714781)	0.010	<1	5.0	<10	<5	17.9	<10	<10	<5	0.13	<5	<5	67.2	<1	
SE5579841 (5714782)	0.020	2	6.0	<10	<5	26.6	<10	<10	<5	0.13	<5	<5	67.7	<1	
SE5579842 (5714783)	0.027	5	4.2	<10	<5	27.0	<10	<10	<5	0.09	<5	<5	72.9	<1	
SE5579843 (5714784)	0.137	16	4.2	<10	<5	50.5	<10	<10	<5	0.11	<5	<5	85.2	<1	
SE5579844 (5714785)	0.035	8	3.6	<10	<5	22.0	<10	<10	<5	0.08	<5	<5	64.7	<1	
SE5579845 (5714786)	0.006	<1	3.5	<10	<5	26.5	<10	<10	<5	0.10	<5	<5	67.7	<1	
SE5579846 (5714787)	0.032	3	4.2	<10	<5	28.8	<10	<10	<5	0.10	<5	<5	63.4	<1	
SE5579847 (5714788)	0.015	1	6.1	<10	<5	28.9	<10	<10	<5	0.11	<5	<5	85.7	<1	
SE5579848 (5714789)	0.119	<1	4.4	<10	<5	26.1	<10	<10	<5	0.12	<5	<5	72.8	<1	
SE5579849 (5714790)	0.017	<1	2.1	<10	<5	31.1	<10	<10	<5	0.08	<5	<5	58.5	<1	
SE5579850 (5714791)	0.033	<1	3.8	<10	<5	36.2	<10	<10	<5	0.10	<5	<5	53.7	<1	
SE5579851 (5714792)	0.024	<1	5.8	<10	<5	28.2	<10	<10	<5	0.14	<5	<5	72.8	<1	
SE5579852 (5714793)	0.064	10	7.4	<10	<5	64.8	<10	<10	<5	0.11	<5	<5	69.4	<1	
SE5579853 (5714794)	0.037	5	4.1	<10	<5	29.4	<10	<10	<5	0.10	<5	<5	79.6	<1	

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
SE5579854 (5714795)		0.013	<1	5.1	<10	<5	31.7	<10	<10	<5	0.13	<5	<5	82.8	<1
SE5579855 (5714796)		0.021	1	4.7	<10	<5	23.9	<10	<10	<5	0.10	<5	<5	72.2	<1
SE5579856 (5714797)		0.026	<1	6.0	<10	<5	43.3	<10	<10	<5	0.15	<5	<5	77.0	<1
SE5579857 (5714798)		0.070	<1	5.0	<10	<5	49.0	<10	<10	<5	0.12	<5	<5	64.3	<1
SE5579858 (5714799)		0.105	<1	2.1	<10	<5	68.4	<10	<10	<5	0.07	<5	<5	41.3	<1
SE5579859 (5714800)		0.069	<1	3.4	<10	<5	58.9	<10	<10	<5	0.09	<5	<5	50.7	<1
SE5579860 (5714801)		NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC
SE5579610 (5714802)		0.090	2	4.0	<10	<5	50.9	<10	<10	<5	0.10	<5	<5	59.1	<1
SE5579611 (5714803)		0.052	3	4.5	<10	<5	119	<10	<10	<5	0.10	<5	<5	57.3	<1

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579660 (5714602)		6	89.5	<5
SE5579661 (5714603)		10	69.9	<5
SE5579662 (5714604)		5	71.6	<5
SE5579663 (5714605)		7	59.6	<5
SE5579664 (5714606)		12	58.8	<5
SE5579665 (5714607)		8	70.1	<5
SE5579666 (5714608)		6	76.6	<5
SE5579667 (5714609)		9	75.8	<5
SE5579668 (5714610)		7	97.6	<5
SE5579669 (5714611)		1	14.7	<5
SE5579670 (5714612)		9	355	<5
SE5579671 (5714613)		2	29.6	<5
SE5579672 (5714614)		10	74.2	<5
SE5579673 (5714615)		11	81.0	<5
SE5579674 (5714616)		8	57.5	<5
SE5579675 (5714617)		9	80.6	<5
SE5579676 (5714618)		6	38.2	<5
SE5579677 (5714619)		6	49.7	<5
SE5579678 (5714620)		21	779	<5
SE5579679 (5714621)		8	267	<5
SE5579680 (5714622)		42	1620	<5
SE5579681 (5714624)		22	1240	<5
SE5579682 (5714625)		16	169	5
SE5579683 (5714626)		2	33.3	<5
SE5579684 (5714627)		9	71.2	<5
SE5579685 (5714628)		11	71.0	<5
SE5579686 (5714629)		13	79.2	<5
SE5579687 (5714630)		16	67.7	7
SE5579688 (5714631)		1	8.5	<5
SE5579689 (5714632)		12	99.4	<5
SE5579690 (5714633)		2	17.7	<5
SE5579691 (5714634)		1	13.0	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579692 (5714635)		8	81.8	<5
SE5579693 (5714636)		6	47.7	<5
SE5579694 (5714637)		12	78.0	<5
SE5579695 (5714638)		18	76.1	<5
SE5579696 (5714639)		1	20.0	<5
SE5579697 (5714640)		6	80.9	<5
SE5579698 (5714641)		9	68.6	7
SE5579699 (5714642)		9	66.8	<5
SE5579700 (5714643)		10	76.5	<5
SE5579701 (5714644)		9	94.4	<5
SE5579702 (5714645)		3	29.6	<5
SE5579703 (5714646)		19	687	<5
SE5579704 (5714647)		20	442	<5
SE5579705 (5714648)		8	244	<5
SE5579706 (5714649)		5	48.1	<5
SE5579707 (5714650)		11	91.1	<5
SE5579708 (5714651)		2	9.9	<5
SE5579709 (5714652)		11	111	<5
SE5579710 (5714653)		9	69.2	<5
SE5579711 (5714654)		10	47.6	<5
SE5579712 (5714655)		7	38.8	<5
SE5579713 (5714656)		12	68.9	<5
SE5579714 (5714657)		13	67.1	<5
SE5579715 (5714658)		8	59.9	<5
SE5579716 (5714659)		5	39.7	<5
SE5579717 (5714660)		13	86.5	<5
SE5579718 (5714661)		12	80.2	<5
SE5579719 (5714662)		13	105	<5
SE5579720 (5714663)		20	414	<5
SE5579721 (5714664)		19	256	<5
SE5579722 (5714665)		18	285	<5
SE5579723 (5714666)		18	114	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579724 (5714667)		13	46.2	<5
SE5579725 (5714668)		13	77.7	<5
SE5579726 (5714669)		7	58.7	<5
SE5579727 (5714670)		10	58.2	<5
SE5579728 (5714671)		20	73.8	<5
SE5579729 (5714672)		18	92.0	<5
SE5579730 (5714673)		5	63.8	<5
SE5579731 (5714674)		10	62.1	<5
SE5579732 (5714675)		7	216	<5
SE5579733 (5714676)		8	99.1	5
SE5579734 (5714677)		9	72.7	<5
SE5579735 (5714678)		7	63.9	<5
SE5579736 (5714679)		6	65.5	<5
SE5579737 (5714680)		7	73.1	<5
SE5579738 (5714681)		12	76.6	<5
SE5579739 (5714682)		12	62.1	<5
SE5579740 (5714683)		8	52.9	<5
SE5579741 (5714684)		11	57.5	<5
SE5579742 (5714685)		8	45.1	<5
SE5579743 (5714686)		10	61.9	<5
SE5579744 (5714687)		15	93.1	<5
SE5579745 (5714688)		10	85.0	<5
SE5579746 (5714689)		10	85.2	<5
SE5579747 (5714690)		8	49.8	<5
SE5579748 (5714691)		7	60.8	<5
SE5579749 (5714692)		12	45.5	<5
SE5579750 (5714693)		13	52.8	<5
SE5579751 (5714694)		11	63.0	<5
SE5579752 (5714695)		10	72.4	<5
SE5579753 (5714696)		6	64.7	<5
SE5579754 (5714697)		10	83.8	<5
SE5579755 (5714698)		10	123	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579756 (5714699)		4	55.9	<5
SE5579757 (5714700)		4	35.3	<5
SE5579760 (5714701)		2	42.9	<5
SE5579761 (5714702)		13	258	<5
SE5579762 (5714703)		5	113	<5
SE5579763 (5714704)		4	80.7	<5
SE5579764 (5714705)		5	65.5	<5
SE5579765 (5714706)		3	48.5	<5
SE5579766 (5714707)		8	54.1	<5
SE5579767 (5714708)		8	63.9	<5
SE5579768 (5714709)		5	65.1	<5
SE5579769 (5714710)		12	63.3	<5
SE5579770 (5714711)		5	27.0	<5
SE5579771 (5714712)		10	68.6	<5
SE5579772 (5714713)		7	138	<5
SE5579773 (5714714)		11	416	<5
SE5579774 (5714715)		5	214	<5
SE5579775 (5714716)		9	339	6
SE5579776 (5714717)		16	230	<5
SE5579777 (5714718)		12	156	<5
SE5579778 (5714719)		7	134	<5
SE5579779 (5714720)		7	112	<5
SE5579780 (5714721)		9	95.2	<5
SE5579781 (5714722)		7	86.7	<5
SE5579782 (5714723)		10	170	<5
SE5579783 (5714724)		11	84.8	<5
SE5579784 (5714725)		13	98.2	<5
SE5579785 (5714726)		12	88.2	<5
SE5579786 (5714727)		10	83.7	<5
SE5579787 (5714728)		8	118	<5
SE5579788 (5714729)		10	74.1	<5
SE5579789 (5714730)		11	70.5	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579790 (5714731)		8	63.7	<5
SE5579791 (5714732)		7	66.8	<5
SE5579792 (5714733)		20	123	<5
SE5579793 (5714734)		8	70.3	<5
SE5579794 (5714735)		15	177	<5
SE5579795 (5714736)		6	62.3	<5
SE5579796 (5714737)		3	10.9	<5
SE5579797 (5714738)		13	192	<5
SE5579798 (5714739)		10	108	<5
SE5579799 (5714740)		8	83.2	<5
SE5579800 (5714741)		12	88.1	<5
SE5579801 (5714742)		11	70.6	<5
SE5579802 (5714743)		10	103	<5
SE5579803 (5714744)		9	49.6	<5
SE5579804 (5714745)		9	52.3	<5
SE5579805 (5714746)		10	68.9	<5
SE5579806 (5714747)		11	79.0	<5
SE5579807 (5714748)		11	110	<5
SE5579808 (5714749)		5	87.0	<5
SE5579809 (5714750)		5	41.0	<5
SE5579810 (5714751)		13	78.0	<5
SE5579811 (5714752)		8	83.5	<5
SE5579812 (5714753)		7	58.6	<5
SE5579813 (5714754)		11	61.2	<5
SE5579814 (5714755)		13	126	<5
SE5579815 (5714756)		13	121	<5
SE5579816 (5714757)		10	80.6	<5
SE5579817 (5714758)		11	80.3	<5
SE5579818 (5714759)		10	88.0	<5
SE5579819 (5714760)		11	83.7	<5
SE5579820 (5714761)		8	85.7	<5
SE5579821 (5714762)		8	86.7	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Y ppm 1	Zn ppm 0.5	Zr ppm 5
SE5579822 (5714763)		9	89.8	<5
SE5579823 (5714764)		8	66.3	<5
SE5579824 (5714765)		9	61.9	<5
SE5579825 (5714766)		4	22.3	<5
SE5579826 (5714767)		11	77.6	<5
SE5579827 (5714768)		12	80.8	<5
SE5579828 (5714769)		5	73.0	5
SE5579829 (5714770)		6	73.5	6
SE5579830 (5714771)		6	53.5	<5
SE5579831 (5714772)		5	46.8	<5
SE5579832 (5714773)		8	97.1	<5
SE5579833 (5714774)		7	66.7	<5
SE5579834 (5714775)		9	88.7	<5
SE5579835 (5714776)		11	65.9	<5
SE5579836 (5714777)		4	92.6	<5
SE5579837 (5714778)		13	68.0	<5
SE5579838 (5714779)		5	130	<5
SE5579839 (5714780)		5	79.4	<5
SE5579840 (5714781)		9	65.7	9
SE5579841 (5714782)		13	73.0	<5
SE5579842 (5714783)		9	357	<5
SE5579843 (5714784)		16	457	<5
SE5579844 (5714785)		6	211	<5
SE5579845 (5714786)		5	233	<5
SE5579846 (5714787)		8	128	<5
SE5579847 (5714788)		13	217	<5
SE5579848 (5714789)		5	79.4	<5
SE5579849 (5714790)		4	71.6	<5
SE5579850 (5714791)		9	75.5	<5
SE5579851 (5714792)		12	87.7	<5
SE5579852 (5714793)		15	160	<5
SE5579853 (5714794)		7	241	<5

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SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
SE5579854 (5714795)		7	118	<5
SE5579855 (5714796)		9	92.4	<5
SE5579856 (5714797)		12	86.5	<5
SE5579857 (5714798)		11	87.2	<5
SE5579858 (5714799)		6	58.1	<5
SE5579859 (5714800)		8	110	<5
SE5579860 (5714801)	NRC	NRC	NRC	NRC
SE5579610 (5714802)		9	145	<5
SE5579611 (5714803)		14	101	<5

Comments: RDL - Reported Detection Limit
 NSS - Not Sufficient Sample
 NRC - Not Received Sample

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
SE5579660 (5714602)		0.26	0.022
SE5579661 (5714603)		0.41	0.012
SE5579662 (5714604)		0.30	0.006
SE5579663 (5714605)		0.19	0.014
SE5579664 (5714606)		0.37	0.013
SE5579665 (5714607)		0.31	0.009
SE5579666 (5714608)		0.21	0.003
SE5579667 (5714609)		0.42	0.003
SE5579668 (5714610)		0.22	0.002
SE5579669 (5714611)		0.33	0.002
SE5579670 (5714612)		0.26	0.002
SE5579671 (5714613)		0.32	0.001
SE5579672 (5714614)		0.51	0.009
SE5579673 (5714615)		0.46	0.008
SE5579674 (5714616)		0.39	0.005
SE5579675 (5714617)		0.41	0.058
SE5579676 (5714618)		0.33	0.009
SE5579677 (5714619)		0.34	0.010
SE5579678 (5714620)		0.38	0.004
SE5579679 (5714621)		0.40	0.005
SE5579680 (5714622)		0.39	0.033
SE5579681 (5714624)		0.45	0.072
SE5579682 (5714625)		0.35	0.025
SE5579683 (5714626)		0.23	0.001
SE5579684 (5714627)		0.35	0.005
SE5579685 (5714628)		0.36	0.005
SE5579686 (5714629)		0.43	0.068
SE5579687 (5714630)		0.41	0.002
SE5579688 (5714631)		0.31	<0.001
SE5579689 (5714632)		0.54	0.004
SE5579690 (5714633)		0.29	<0.001

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

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ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
SE5579691 (5714634)		0.32	<0.001
SE5579692 (5714635)		0.49	0.006
SE5579693 (5714636)		0.41	<0.001
SE5579694 (5714637)		0.50	0.002
SE5579695 (5714638)		0.59	0.004
SE5579696 (5714639)		0.41	<0.001
SE5579697 (5714640)		0.55	<0.001
SE5579698 (5714641)		0.36	0.004
SE5579699 (5714642)		0.49	0.006
SE5579700 (5714643)		0.57	0.009
SE5579701 (5714644)		0.33	0.003
SE5579702 (5714645)		0.37	<0.001
SE5579703 (5714646)		0.41	0.005
SE5579704 (5714647)		0.44	0.020
SE5579705 (5714648)		0.49	0.004
SE5579706 (5714649)		0.27	NSS
SE5579707 (5714650)		0.38	0.006
SE5579708 (5714651)		0.42	<0.001
SE5579709 (5714652)		0.45	0.008
SE5579710 (5714653)		0.41	<0.001
SE5579711 (5714654)		0.42	<0.001
SE5579712 (5714655)		0.28	<0.001
SE5579713 (5714656)		0.50	0.003
SE5579714 (5714657)		0.45	0.003
SE5579715 (5714658)		0.42	0.005
SE5579716 (5714659)		0.34	<0.001
SE5579717 (5714660)		0.45	0.001
SE5579718 (5714661)		0.39	0.004
SE5579719 (5714662)		0.33	0.006
SE5579720 (5714663)		0.34	0.060
SE5579721 (5714664)		0.52	0.015

Certified By:



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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
SE5579722 (5714665)		0.59	0.007
SE5579723 (5714666)		0.32	0.009
SE5579724 (5714667)		0.43	0.006
SE5579725 (5714668)		0.52	0.004
SE5579726 (5714669)		0.56	0.003
SE5579727 (5714670)		0.49	<0.001
SE5579728 (5714671)		0.41	<0.001
SE5579729 (5714672)		0.40	0.003
SE5579730 (5714673)		0.59	<0.001
SE5579731 (5714674)		0.49	0.003
SE5579732 (5714675)		0.53	0.006
SE5579733 (5714676)		0.35	0.005
SE5579734 (5714677)		0.45	0.002
SE5579735 (5714678)		0.27	0.075
SE5579736 (5714679)		0.57	0.002
SE5579737 (5714680)		0.46	0.002
SE5579738 (5714681)		0.49	0.003
SE5579739 (5714682)		0.59	0.003
SE5579740 (5714683)		0.32	0.003
SE5579741 (5714684)		0.53	0.007
SE5579742 (5714685)		0.33	0.002
SE5579743 (5714686)		0.56	0.005
SE5579744 (5714687)		0.47	0.002
SE5579745 (5714688)		0.50	0.003
SE5579746 (5714689)		0.56	0.017
SE5579747 (5714690)		0.40	0.004
SE5579748 (5714691)		0.36	0.006
SE5579749 (5714692)		0.37	0.004
SE5579750 (5714693)		0.46	0.003
SE5579751 (5714694)		0.48	0.010
SE5579752 (5714695)		0.48	<0.001

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Certificate of Analysis

AGAT WORK ORDER: 14Y878430

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
SE5579753 (5714696)		0.52	<0.001
SE5579754 (5714697)		0.36	0.001
SE5579755 (5714698)		0.42	0.003
SE5579756 (5714699)		0.40	<0.001
SE5579757 (5714700)		0.43	<0.001
SE5579760 (5714701)		0.14	<0.001
SE5579761 (5714702)		0.20	0.018
SE5579762 (5714703)		0.24	0.009
SE5579763 (5714704)		0.14	<0.001
SE5579764 (5714705)		0.14	<0.001
SE5579765 (5714706)		0.14	0.002
SE5579766 (5714707)		0.21	<0.001
SE5579767 (5714708)		0.18	0.002
SE5579768 (5714709)		0.10	<0.001
SE5579769 (5714710)		0.24	0.003
SE5579770 (5714711)		0.14	0.005
SE5579771 (5714712)		0.22	<0.001
SE5579772 (5714713)		0.25	0.003
SE5579773 (5714714)		0.29	0.014
SE5579774 (5714715)		0.24	0.010
SE5579775 (5714716)		0.33	0.012
SE5579776 (5714717)		0.32	0.024
SE5579777 (5714718)		0.33	0.016
SE5579778 (5714719)		0.32	<0.001
SE5579779 (5714720)		0.26	0.003
SE5579780 (5714721)		0.21	0.008
SE5579781 (5714722)		0.19	0.003
SE5579782 (5714723)		0.24	0.034
SE5579783 (5714724)		0.28	<0.001
SE5579784 (5714725)		0.25	<0.001
SE5579785 (5714726)		0.29	0.004

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Certificate of Analysis

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01	Au ppm 0.001
SE5579786 (5714727)		0.23	<0.001
SE5579787 (5714728)		0.23	0.005
SE5579788 (5714729)		0.27	0.005
SE5579789 (5714730)		0.24	0.005
SE5579790 (5714731)		0.28	0.005
SE5579791 (5714732)		0.31	0.011
SE5579792 (5714733)		0.26	0.260
SE5579793 (5714734)		0.29	0.005
SE5579794 (5714735)		0.30	0.034
SE5579795 (5714736)		0.14	<0.001
SE5579796 (5714737)		0.22	0.004
SE5579797 (5714738)		0.12	0.010
SE5579798 (5714739)		0.31	0.048
SE5579799 (5714740)		0.31	0.008
SE5579800 (5714741)		0.27	0.008
SE5579801 (5714742)		0.32	0.014
SE5579802 (5714743)		0.31	0.004
SE5579803 (5714744)		0.22	0.013
SE5579804 (5714745)		0.23	0.006
SE5579805 (5714746)		0.15	0.007
SE5579806 (5714747)		0.24	0.006
SE5579807 (5714748)		0.20	0.010
SE5579808 (5714749)		0.15	0.005
SE5579809 (5714750)		0.21	0.013
SE5579810 (5714751)		0.20	0.003
SE5579811 (5714752)		0.27	NSS
SE5579812 (5714753)		0.23	0.007
SE5579813 (5714754)		0.27	0.004
SE5579814 (5714755)		0.22	0.008
SE5579815 (5714756)		0.29	0.010
SE5579816 (5714757)		0.30	0.009

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Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppm
SE5579817 (5714758)		0.31	0.004
SE5579818 (5714759)		0.34	0.007
SE5579819 (5714760)		0.37	0.003
SE5579820 (5714761)		0.22	0.006
SE5579821 (5714762)		0.19	0.006
SE5579822 (5714763)		0.34	0.003
SE5579823 (5714764)		0.28	0.006
SE5579824 (5714765)		0.30	0.007
SE5579825 (5714766)		0.18	NSS
SE5579826 (5714767)		0.30	0.005
SE5579827 (5714768)		0.28	0.005
SE5579828 (5714769)		0.32	0.001
SE5579829 (5714770)		0.34	0.004
SE5579830 (5714771)		0.24	0.013
SE5579831 (5714772)		0.26	0.004
SE5579832 (5714773)		0.24	0.005
SE5579833 (5714774)		0.25	0.005
SE5579834 (5714775)		0.33	0.004
SE5579835 (5714776)		0.26	0.006
SE5579836 (5714777)		0.27	0.001
SE5579837 (5714778)		0.33	0.005
SE5579838 (5714779)		0.30	0.003
SE5579839 (5714780)		0.30	0.015
SE5579840 (5714781)		0.37	0.004
SE5579841 (5714782)		0.37	0.006
SE5579842 (5714783)		0.36	0.134
SE5579843 (5714784)		0.28	0.018
SE5579844 (5714785)		0.30	0.005
SE5579845 (5714786)		0.24	0.004
SE5579846 (5714787)		0.34	0.006
SE5579847 (5714788)		0.31	0.007

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 14Y878430

PROJECT:

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CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Aug 20, 2014

DATE RECEIVED: Aug 20, 2014

DATE REPORTED: Sep 23, 2014

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
SE5579848 (5714789)		0.27	0.003
SE5579849 (5714790)		0.25	0.004
SE5579850 (5714791)		0.30	0.007
SE5579851 (5714792)		0.37	0.005
SE5579852 (5714793)		0.40	0.211
SE5579853 (5714794)		0.29	0.007
SE5579854 (5714795)		0.37	0.004
SE5579855 (5714796)		0.37	0.010
SE5579856 (5714797)		0.38	0.012
SE5579857 (5714798)		0.28	0.017
SE5579858 (5714799)		0.26	0.007
SE5579859 (5714800)		0.32	0.007
SE5579860 (5714801)		NRC	NRC
SE5579610 (5714802)		0.14	0.050
SE5579611 (5714803)		0.23	0.028

Comments: RDL - Reported Detection Limit
 NSS - Not Sufficient Sample
 NRC - Not Received Sample

Certified By:



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	5714610	< 0.2	< 0.2	0.0%	5714628	< 0.2	< 0.2	0.0%	5714645	< 0.2	< 0.2	0.0%	5714653	< 0.2	< 0.2	0.0%
Al	5714610	1.83	1.75	4.5%	5714628	1.88	1.84	2.2%	5714645	0.61	0.61	0.0%	5714653	1.58	1.51	4.5%
As	5714610	5	6	18.2%	5714628	15	16	6.5%	5714645	4	5	22.2%	5714653	10	9	10.5%
B	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
Ba	5714610	523	480	8.6%	5714628	142	142	0.0%	5714645	231	228	1.3%	5714653	488	460	5.9%
Be	5714610	< 0.5	< 0.5	0.0%	5714628	< 0.5	< 0.5	0.0%	5714645	< 0.5	< 0.5	0.0%	5714653	< 0.5	< 0.5	0.0%
Bi	5714610	< 1	< 1	0.0%	5714628	< 1	< 1	0.0%	5714645	< 1	< 1	0.0%	5714653	< 1	< 1	0.0%
Ca	5714610	0.515	0.501	2.8%	5714628	1.11	1.08	2.7%	5714645	0.991	1.01	1.9%	5714653	0.848	0.812	4.3%
Cd	5714610	< 0.5	< 0.5	0.0%	5714628	< 0.5	< 0.5	0.0%	5714645	< 0.5	< 0.5	0.0%	5714653	< 0.5	< 0.5	0.0%
Ce	5714610	17	17	0.0%	5714628	29	29	0.0%	5714645	8	8	0.0%	5714653	20	19	5.1%
Co	5714610	21.4	20.6	3.8%	5714628	17.1	17.2	0.6%	5714645	3.58	3.51	2.0%	5714653	17.1	16.8	1.8%
Cr	5714610	86.6	83.7	3.4%	5714628	58.3	58.0	0.5%	5714645	12.0	12.1	0.8%	5714653	35.2	35.3	0.3%
Cu	5714610	66.9	62.0	7.6%	5714628	50.1	48.7	2.8%	5714645	18.8	19.8	5.2%	5714653	56.3	54.2	3.8%
Fe	5714610	3.33	3.13	6.2%	5714628	3.39	3.33	1.8%	5714645	1.00	1.02	2.0%	5714653	3.33	3.25	2.4%
Ga	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
Hg	5714610	< 1	< 1	0.0%	5714628	< 1	< 1	0.0%	5714645	< 1	< 1	0.0%	5714653	< 1	< 1	0.0%
In	5714610	2	3		5714628	< 1	4		5714645	2	< 1		5714653	< 1	3	
K	5714610	0.470	0.453	3.7%	5714628	0.18	0.18	0.0%	5714645	0.06	0.06	0.0%	5714653	0.221	0.213	3.7%
La	5714610	9	9	0.0%	5714628	18	18	0.0%	5714645	5	5	0.0%	5714653	12	11	8.7%
Li	5714610	17	16	6.1%	5714628	19	19	0.0%	5714645	4	3	28.6%	5714653	14	13	7.4%
Mg	5714610	1.28	1.19	7.3%	5714628	1.06	1.05	0.9%	5714645	0.18	0.18	0.0%	5714653	0.766	0.734	4.3%
Mn	5714610	358	345	3.7%	5714628	392	388	1.0%	5714645	86	84	2.4%	5714653	547	535	2.2%
Mo	5714610	< 0.5	< 0.5	0.0%	5714628	< 0.5	< 0.5	0.0%	5714645	< 0.5	< 0.5	0.0%	5714653	8.2	1.3	
Na	5714610	0.03	0.03	0.0%	5714628	0.026	0.024	8.0%	5714645	0.03	0.03	0.0%	5714653	0.03	0.03	0.0%
Ni	5714610	66.5	64.0	3.8%	5714628	55.0	56.1	2.0%	5714645	10.9	11.5	5.4%	5714653	35.2	34.0	3.5%
P	5714610	1500	1480	1.3%	5714628	607	655	7.6%	5714645	422	445	5.3%	5714653	754	724	4.1%
Pb	5714610	2.7	1.7		5714628	4.3	3.4	23.4%	5714645	0.5	0.9		5714653	6.0	3.9	
Rb	5714610	55	52	5.6%	5714628	37	37	0.0%	5714645	9	10	10.5%	5714653	31	30	3.3%
S	5714610	0.031	0.032	3.2%	5714628	0.0334	0.0335	0.3%	5714645	0.052	0.054	3.8%	5714653	0.0359	0.0332	7.8%
Sb	5714610	< 1	< 1	0.0%	5714628	< 1	< 1	0.0%	5714645	< 1	< 1	0.0%	5714653	< 1	< 1	0.0%
Sc	5714610	4.1	3.9	5.0%	5714628	4.8	4.8	0.0%	5714645	0.58	0.49	16.8%	5714653	4.3	4.3	0.0%



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

Se	5714610	< 10	< 10	0.0%	5714628	< 10	< 10	0.0%	5714645	< 10	< 10	0.0%	5714653	< 10	< 10	0.0%
Sn	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
Sr	5714610	19.4	17.9	8.0%	5714628	33.6	32.9	2.1%	5714645	37.8	38.5	1.8%	5714653	31.5	29.7	5.9%
Ta	5714610	< 10	< 10	0.0%	5714628	< 10	< 10	0.0%	5714645	< 10	< 10	0.0%	5714653	< 10	< 10	0.0%
Te	5714610	< 10	< 10	0.0%	5714628	< 10	< 10	0.0%	5714645	< 10	< 10	0.0%	5714653	< 10	< 10	0.0%
Th	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
Ti	5714610	0.193	0.185	4.2%	5714628	0.128	0.123	4.0%	5714645	0.03	0.03	0.0%	5714653	0.118	0.113	4.3%
Tl	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
U	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%
V	5714610	80.5	77.5	3.8%	5714628	63.9	62.5	2.2%	5714645	22.7	22.4	1.3%	5714653	73.7	72.5	1.6%
W	5714610	< 1	< 1	0.0%	5714628	< 1	< 1	0.0%	5714645	< 1	< 1	0.0%	5714653	< 1	< 1	0.0%
Y	5714610	7	6	15.4%	5714628	11	12	8.7%	5714645	3	3	0.0%	5714653	9	8	11.8%
Zn	5714610	97.6	90.3	7.8%	5714628	71.0	70.2	1.1%	5714645	29.6	29.3	1.0%	5714653	69.2	66.7	3.7%
Zr	5714610	< 5	< 5	0.0%	5714628	< 5	< 5	0.0%	5714645	< 5	< 5	0.0%	5714653	< 5	< 5	0.0%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	5714670	< 0.2	< 0.2	0.0%	5714688	0.3	< 0.2		5714703	< 0.2	< 0.2	0.0%	5714713	0.85	0.81	4.8%
Al	5714670	1.73	1.68	2.9%	5714688	1.60	1.58	1.3%	5714703	2.30	2.37	3.0%	5714713	2.04	1.90	7.1%
As	5714670	17	14	19.4%	5714688	26	24	8.0%	5714703	21	21	0.0%	5714713	19	14	
B	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
Ba	5714670	132	131	0.8%	5714688	162	156	3.8%	5714703	327	326	0.3%	5714713	4390	4110	6.6%
Be	5714670	< 0.5	< 0.5	0.0%	5714688	< 0.5	< 0.5	0.0%	5714703	0.6	0.6	0.0%	5714713	< 0.5	< 0.5	0.0%
Bi	5714670	< 1	< 1	0.0%	5714688	< 1	< 1	0.0%	5714703	< 1	< 1	0.0%	5714713	< 1	< 1	0.0%
Ca	5714670	1.18	1.15	2.6%	5714688	1.66	1.64	1.2%	5714703	0.30	0.30	0.0%	5714713	0.43	0.40	7.2%
Cd	5714670	< 0.5	< 0.5	0.0%	5714688	< 0.5	< 0.5	0.0%	5714703	< 0.5	< 0.5	0.0%	5714713	< 0.5	< 0.5	0.0%
Ce	5714670	34	34	0.0%	5714688	27	30	10.5%	5714703	25	25	0.0%	5714713	17	16	6.1%
Co	5714670	13.6	12.9	5.3%	5714688	16.7	17.3	3.5%	5714703	26.5	25.7	3.1%	5714713	14.2	13.5	5.1%
Cr	5714670	50.4	48.2	4.5%	5714688	56.8	59.0	3.8%	5714703	48.5	47.6	1.9%	5714713	60.3	57.6	4.6%
Cu	5714670	39.3	39.1	0.5%	5714688	58.7	56.7	3.5%	5714703	136	135	0.7%	5714713	62.3	58.2	6.8%
Fe	5714670	3.19	3.07	3.8%	5714688	3.44	3.34	2.9%	5714703	4.69	4.82	2.7%	5714713	3.59	3.37	6.3%
Ga	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
Hg	5714670	< 1	< 1	0.0%	5714688	< 1	< 1	0.0%	5714703	< 1	< 1	0.0%	5714713	< 1	< 1	0.0%
In	5714670	5	< 1		5714688	< 1	< 1	0.0%	5714703	7	3		5714713	< 1	3	
K	5714670	0.238	0.232	2.6%	5714688	0.25	0.25	0.0%	5714703	0.332	0.339	2.1%	5714713	0.22	0.21	4.7%



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La	5714670	16	16	0.0%	5714688	16	18	11.8%	5714703	17	17	0.0%	5714713	10	9	10.5%
Li	5714670	13	13	0.0%	5714688	18	17	5.7%	5714703	23	23	0.0%	5714713	15	14	6.9%
Mg	5714670	1.12	1.09	2.7%	5714688	1.11	1.07	3.7%	5714703	1.00	1.00	0.0%	5714713	0.929	0.880	5.4%
Mn	5714670	337	327	3.0%	5714688	456	466	2.2%	5714703	1120	1100	1.8%	5714713	666	636	4.6%
Mo	5714670	< 0.5	< 0.5	0.0%	5714688	< 0.5	< 0.5	0.0%	5714703	0.5	< 0.5		5714713	< 0.5	< 0.5	0.0%
Na	5714670	0.02	0.02	0.0%	5714688	0.02	0.02	0.0%	5714703	0.02	0.02	0.0%	5714713	0.026	0.024	8.0%
Ni	5714670	43.7	41.5	5.2%	5714688	53.5	55.0	2.8%	5714703	56.0	55.1	1.6%	5714713	52.9	50.5	4.6%
P	5714670	687	672	2.2%	5714688	970	986	1.6%	5714703	717	704	1.8%	5714713	1060	980	7.8%
Pb	5714670	4.9	5.0	2.0%	5714688	7.8	4.4		5714703	12.9	14.1	8.9%	5714713	18.7	17.1	8.9%
Rb	5714670	37	37	0.0%	5714688	52	52	0.0%	5714703	65	66	1.5%	5714713	30	29	3.4%
S	5714670	0.020	0.020	0.0%	5714688	0.0521	0.0462	12.0%	5714703	0.214	0.208	2.8%	5714713	0.0940	0.0863	8.5%
Sb	5714670	< 1	1		5714688	< 1	< 1	0.0%	5714703	< 1	< 1	0.0%	5714713	2	3	
Sc	5714670	6.6	6.4	3.1%	5714688	4.6	4.8	4.3%	5714703	3.30	3.47	5.0%	5714713	3.9	3.7	5.3%
Se	5714670	< 10	< 10	0.0%	5714688	< 10	< 10	0.0%	5714703	< 10	< 10	0.0%	5714713	< 10	< 10	0.0%
Sn	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
Sr	5714670	34.2	33.5	2.1%	5714688	67.3	65.7	2.4%	5714703	21.7	22.0	1.4%	5714713	33.1	31.4	5.3%
Ta	5714670	< 10	< 10	0.0%	5714688	< 10	< 10	0.0%	5714703	< 10	< 10	0.0%	5714713	< 10	< 10	0.0%
Te	5714670	< 10	< 10	0.0%	5714688	< 10	< 10	0.0%	5714703	< 10	< 10	0.0%	5714713	< 10	< 10	0.0%
Th	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
Ti	5714670	0.127	0.122	4.0%	5714688	0.12	0.12	0.0%	5714703	0.14	0.14	0.0%	5714713	0.13	0.12	8.0%
Tl	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
U	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%
V	5714670	67.8	66.7	1.6%	5714688	61.1	63.8	4.3%	5714703	84.0	85.6	1.9%	5714713	72.2	69.8	3.4%
W	5714670	< 1	< 1	0.0%	5714688	< 1	< 1	0.0%	5714703	< 1	< 1	0.0%	5714713	< 1	< 1	0.0%
Y	5714670	10	10	0.0%	5714688	10	11	9.5%	5714703	5	5	0.0%	5714713	7	7	0.0%
Zn	5714670	58.2	56.1	3.7%	5714688	85.0	82.7	2.7%	5714703	113	111	1.8%	5714713	138	129	6.7%
Zr	5714670	< 5	< 5	0.0%	5714688	< 5	< 5	0.0%	5714703	< 5	< 5	0.0%	5714713	< 5	< 5	0.0%

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	5714725	0.4	0.4	0.0%	5714735	1.2	1.3	8.0%	5714753	< 0.2	< 0.2	0.0%	5714773	< 0.2	< 0.2	0.0%
Al	5714725	2.38	2.40	0.8%	5714735	1.66	1.70	2.4%	5714753	1.54	1.50	2.6%	5714773	1.58	1.56	1.3%
As	5714725	13	15	14.3%	5714735	118	110	7.0%	5714753	< 1	4		5714773	14	11	24.0%
B	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
Ba	5714725	817	832	1.8%	5714735	1090	1120	2.7%	5714753	294	290	1.4%	5714773	204	205	0.5%



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Be	5714725	< 0.5	< 0.5	0.0%	5714735	< 0.5	< 0.5	0.0%	5714753	< 0.5	< 0.5	0.0%	5714773	< 0.5	< 0.5	0.0%
Bi	5714725	< 1	< 1	0.0%	5714735	< 1	< 1	0.0%	5714753	< 1	< 1	0.0%	5714773	< 1	< 1	0.0%
Ca	5714725	2.02	2.04	1.0%	5714735	1.06	1.08	1.9%	5714753	1.57	1.53	2.6%	5714773	0.761	0.751	1.3%
Cd	5714725	< 0.5	< 0.5	0.0%	5714735	< 0.5	< 0.5	0.0%	5714753	< 0.5	< 0.5	0.0%	5714773	< 0.5	< 0.5	0.0%
Ce	5714725	27	28	3.6%	5714735	26	27	3.8%	5714753	14	13	7.4%	5714773	21	20	4.9%
Co	5714725	24.9	25.7	3.2%	5714735	28.3	28.5	0.7%	5714753	16.8	15.7	6.8%	5714773	16.2	15.2	6.4%
Cr	5714725	106	109	2.8%	5714735	35.9	36.3	1.1%	5714753	79.2	74.6	6.0%	5714773	46.2	44.0	4.9%
Cu	5714725	103	103	0.0%	5714735	99.6	100	0.4%	5714753	53.5	52.5	1.9%	5714773	38.5	38.0	1.3%
Fe	5714725	4.39	4.51	2.7%	5714735	4.67	4.66	0.2%	5714753	2.71	2.67	1.5%	5714773	3.36	3.42	1.8%
Ga	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
Hg	5714725	< 1	< 1	0.0%	5714735	< 1	< 1	0.0%	5714753	< 1	< 1	0.0%	5714773	< 1	< 1	0.0%
In	5714725	< 1	< 1	0.0%	5714735	2	2	0.0%	5714753	< 1	< 1	0.0%	5714773	2	< 1	
K	5714725	0.36	0.36	0.0%	5714735	0.20	0.20	0.0%	5714753	0.14	0.14	0.0%	5714773	0.09	0.09	0.0%
La	5714725	16	16	0.0%	5714735	17	17	0.0%	5714753	9	8	11.8%	5714773	13	12	8.0%
Li	5714725	22	22	0.0%	5714735	17	17	0.0%	5714753	17	16	6.1%	5714773	11	10	9.5%
Mg	5714725	1.66	1.66	0.0%	5714735	0.933	0.943	1.1%	5714753	0.99	0.98	1.0%	5714773	0.71	0.71	0.0%
Mn	5714725	607	621	2.3%	5714735	1000	1020	2.0%	5714753	436	429	1.6%	5714773	397	375	5.7%
Mo	5714725	< 0.5	< 0.5	0.0%	5714735	< 0.5	0.6		5714753	< 0.5	< 0.5	0.0%	5714773	< 0.5	< 0.5	0.0%
Na	5714725	0.03	0.03	0.0%	5714735	0.01	0.01	0.0%	5714753	0.02	0.02	0.0%	5714773	0.02	0.02	0.0%
Ni	5714725	86.7	88.1	1.6%	5714735	59.6	59.1	0.8%	5714753	45.0	42.8	5.0%	5714773	40.1	38.1	5.1%
P	5714725	1120	1150	2.6%	5714735	1590	1520	4.5%	5714753	911	845	7.5%	5714773	489	473	3.3%
Pb	5714725	8.12	8.37	3.0%	5714735	35.0	34.2	2.3%	5714753	4.2	1.4		5714773	8.5	6.4	28.2%
Rb	5714725	56	57	1.8%	5714735	30	31	3.3%	5714753	37	35	5.6%	5714773	18	16	11.8%
S	5714725	0.097	0.097	0.0%	5714735	0.110	0.111	0.9%	5714753	0.088	0.086	2.3%	5714773	0.016	0.016	0.0%
Sb	5714725	< 1	< 1	0.0%	5714735	4	3	28.6%	5714753	< 1	< 1	0.0%	5714773	< 1	< 1	0.0%
Sc	5714725	6.14	6.18	0.6%	5714735	6.34	6.44	1.6%	5714753	3.2	3.2	0.0%	5714773	4.37	4.12	5.9%
Se	5714725	< 10	< 10	0.0%	5714735	< 10	< 10	0.0%	5714753	< 10	< 10	0.0%	5714773	< 10	< 10	0.0%
Sn	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
Sr	5714725	79.5	80.3	1.0%	5714735	48.5	49.9	2.8%	5714753	48.5	49.2	1.4%	5714773	35.5	35.1	1.1%
Ta	5714725	< 10	< 10	0.0%	5714735	< 10	< 10	0.0%	5714753	< 10	< 10	0.0%	5714773	< 10	< 10	0.0%
Te	5714725	< 10	< 10	0.0%	5714735	< 10	< 10	0.0%	5714753	< 10	< 10	0.0%	5714773	< 10	< 10	0.0%
Th	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
Ti	5714725	0.17	0.17	0.0%	5714735	0.10	0.10	0.0%	5714753	0.12	0.12	0.0%	5714773	0.095	0.091	4.3%
Tl	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%



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U	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
V	5714725	94.7	97.2	2.6%	5714735	81.5	80.4	1.4%	5714753	65.5	63.6	2.9%	5714773	64.9	61.6	5.2%
W	5714725	< 1	< 1	0.0%	5714735	< 1	< 1	0.0%	5714753	< 1	< 1	0.0%	5714773	< 1	< 1	0.0%
Y	5714725	13	13	0.0%	5714735	15	15	0.0%	5714753	7	7	0.0%	5714773	8	8	0.0%
Zn	5714725	98.2	97.7	0.5%	5714735	177	179	1.1%	5714753	58.6	58.5	0.2%	5714773	97.1	99.0	1.9%
Zr	5714725	< 5	< 5	0.0%	5714735	< 5	< 5	0.0%	5714753	< 5	< 5	0.0%	5714773	< 5	< 5	0.0%
REPLICATE #13																
Parameter	Sample ID	Original	Replicate	RPD												
Ag	5714793	0.6	0.5	18.2%												
Al	5714793	1.54	1.46	5.3%												
As	5714793	370	335	9.9%												
B	5714793	< 5	< 5	0.0%												
Ba	5714793	448	417	7.2%												
Be	5714793	< 0.5	< 0.5	0.0%												
Bi	5714793	< 1	< 1	0.0%												
Ca	5714793	1.77	1.70	4.0%												
Cd	5714793	< 0.5	< 0.5	0.0%												
Ce	5714793	25	23	8.3%												
Co	5714793	36.5	20.3													
Cr	5714793	50.3	46.7	7.4%												
Cu	5714793	95.6	74.4	24.9%												
Fe	5714793	4.41	4.17	5.6%												
Ga	5714793	< 5	< 5	0.0%												
Hg	5714793	< 1	< 1	0.0%												
In	5714793	< 1	2													
K	5714793	0.147	0.140	4.9%												
La	5714793	25	15													
Li	5714793	14	13	7.4%												
Mg	5714793	1.12	1.05	6.5%												
Mn	5714793	716	679	5.3%												
Mo	5714793	23.5	2.7													
Na	5714793	0.026	0.024	8.0%												
Ni	5714793	67.0	62.9	6.3%												
P	5714793	1430	1330	7.2%												



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Pb	5714793	21.6	6.0													
Rb	5714793	30	28	6.9%												
S	5714793	0.064	0.055	15.1%												
Sb	5714793	10	7													
Sc	5714793	7.40	7.14	3.6%												
Se	5714793	< 10	< 10	0.0%												
Sn	5714793	< 5	< 5	0.0%												
Sr	5714793	64.8	61.7	4.9%												
Ta	5714793	< 10	< 10	0.0%												
Te	5714793	< 10	< 10	0.0%												
Th	5714793	< 5	< 5	0.0%												
Ti	5714793	0.105	0.100	4.9%												
Tl	5714793	< 5	< 5	0.0%												
U	5714793	< 5	< 5	0.0%												
V	5714793	69.4	65.4	5.9%												
W	5714793	< 1	< 1	0.0%												
Y	5714793	15	14	6.9%												
Zn	5714793	160	137	15.5%												
Zr	5714793	< 5	< 5	0.0%												

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	5714614	0.0086	0.0073	16.4%	5714628	0.0055	0.0063	13.6%	5714791	0.007	0.007	0.0%	5714653	< 0.001	0.002	
	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	5714666	0.009	0.003		5714678	0.075	0.002		5714692	0.004	0.002		5714703	0.009	0.003	
	REPLICATE #9				REPLICATE #10				REPLICATE #11							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	5714716	0.012	< 0.001		5714728	0.005	0.004	22.2%	5714741	0.008	0.008	0.0%				



CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER

ATTENTION TO: CARL SCHULZE, RON BERDAHL

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.CFRM-100)				CRM #2 (ref.CFRM-100)				CRM #3 (ref.CFRM-100)				CRM #4 (ref.CFRM-100)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Co	184	176	96%	90% - 110%	184	179	97%	90% - 110%	184	185	100%	90% - 110%	184	191	104%	90% - 110%
Cu	3494	3377	97%	90% - 110%	3494	3441	98%	90% - 110%	3494	3534	101%	90% - 110%	3494	3472	99%	90% - 110%
Ni	2985	2817	94%	90% - 110%	2985	2870	96%	90% - 110%	2985	2799	94%	90% - 110%	2985	2928	98%	90% - 110%
	CRM #5 (ref.CFRM-100)				CRM #6 (ref.CFRM-100)				CRM #7 (ref.CFRM-100)				CRM #8 (ref.CFRM-100)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Co	184	194	106%	90% - 110%	184	181	98%	90% - 110%	184	193	105%	90% - 110%	184	180	98%	90% - 110%
Cu	3494	3504	100%	90% - 110%	3494	3474	99%	90% - 110%	3494	3439	98%	90% - 110%	3494	3448	99%	90% - 110%
Ni	2985	2968	99%	90% - 110%	2985	2935	98%	90% - 110%	2985	2923	98%	90% - 110%	2985	2909	97%	90% - 110%
	CRM #9 (ref.CFRM-100)				CRM #10 (ref.CFRM-100)				CRM #11 (ref.CFRM-100)				CRM #12 (ref.CFRM-100)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Co	184	182	99%	90% - 110%	184	176	96%	90% - 110%	184	187	102%	90% - 110%	184	175	95%	90% - 110%
Cu	3494	3497	100%	90% - 110%	3494	3456	99%	90% - 110%	3494	3436	98%	90% - 110%	3494	3412	98%	90% - 110%
Ni	2985	2972	100%	90% - 110%	2985	2858	96%	90% - 110%	2985	2867	96%	90% - 110%	2985	2710	91%	90% - 110%
	CRM #13 (ref.CFRM-100)				CRM #14 (ref.CFRM-100)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Co	184	188	102%	90% - 110%	184	193	105%	90% - 110%								
Cu	3494	3392	97%	90% - 110%	3494	3580	102%	90% - 110%								
Ni	2985	2881	97%	90% - 110%	2985	3004	101%	90% - 110%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.GS6D)				CRM #2 (ref.GSP7J)				CRM #3 (ref.1P5K)				CRM #4 (ref.GS6D)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.09	5.77	95%	90% - 110%	0.722	0.697	97%	90% - 110%	1.44	1.33	92%	90% - 110%	6.09	5.53	91%	90% - 110%
	CRM #5 (ref.GSP7J)				CRM #6 (ref.1P5K)				CRM #7 (ref.GS6D)				CRM #8 (ref.GSP7J)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	0.722	0.719	100%	90% - 110%	1.44	1.57	109%	90% - 110%	6.09	5.83	96%	90% - 110%	0.722	0.763	106%	90% - 110%

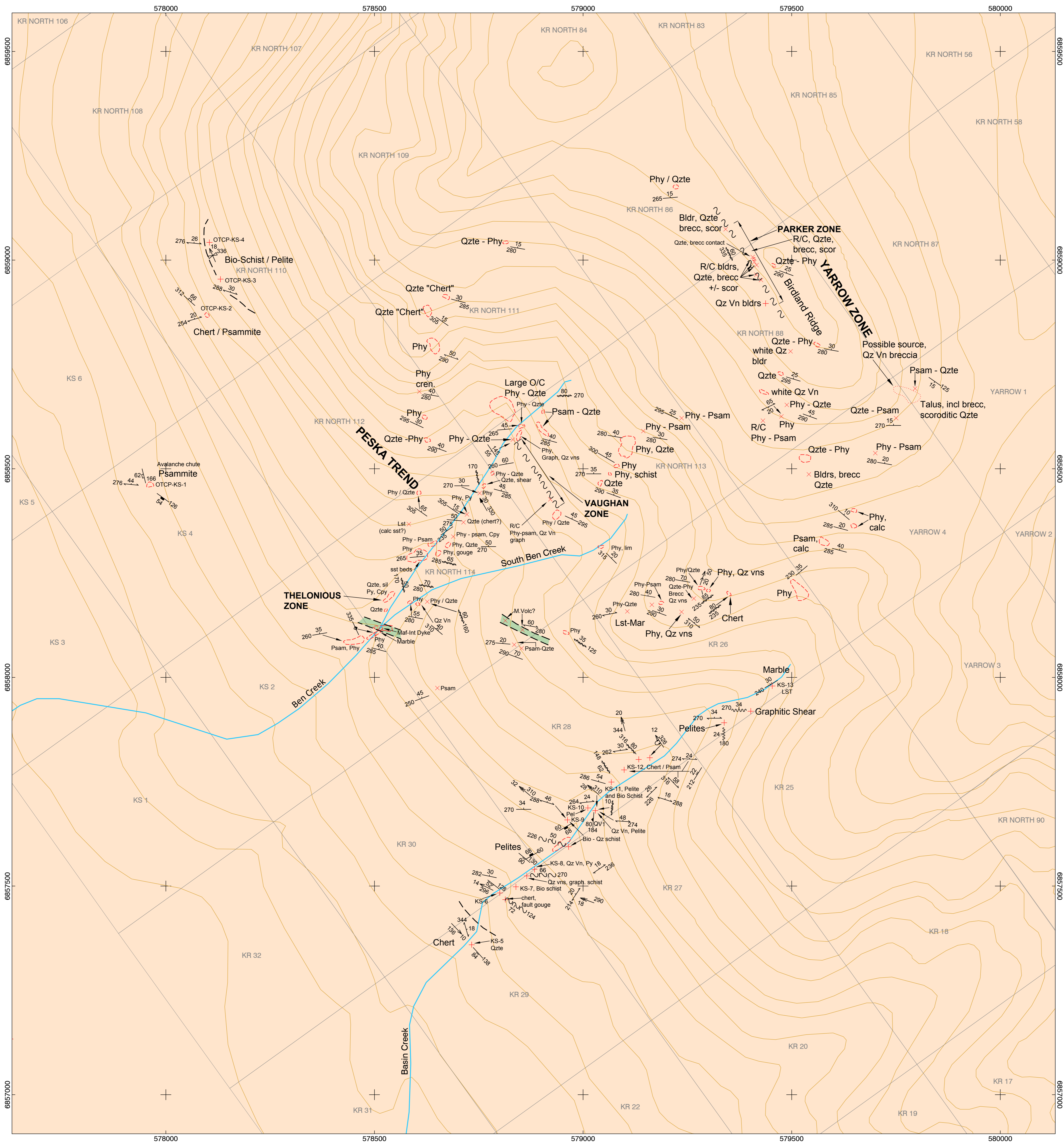


Method Summary

CLIENT NAME: ALL TERRANE MINERAL EXPLORATION SER
 PROJECT:
 SAMPLING SITE:

AGAT WORK ORDER: 14Y878430
 ATTENTION TO: CARL SCHULZE, RON BERDAHL
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES



LEGEND

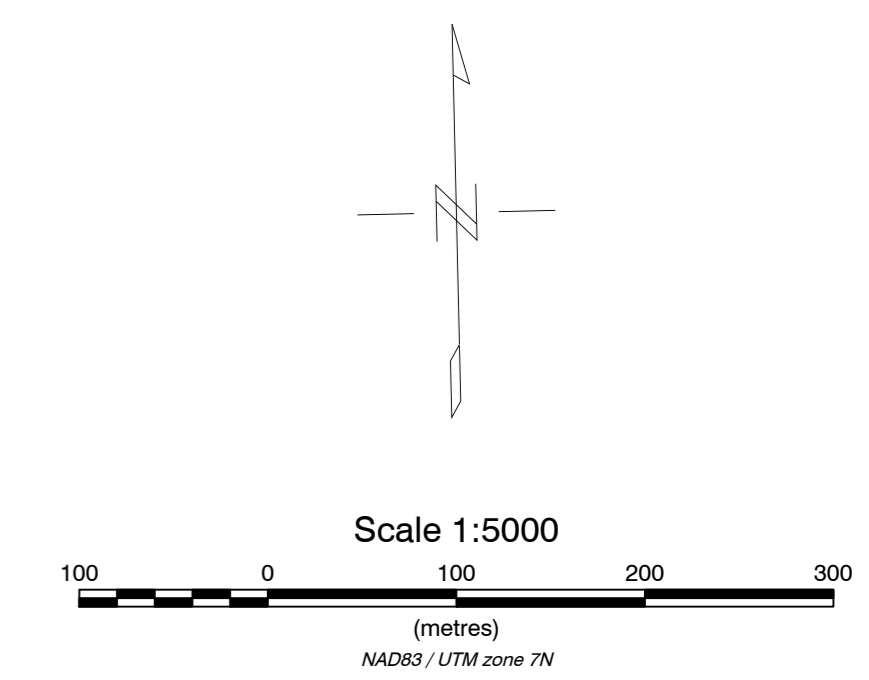
- mKwa **Age Unknown (possibly mid - Cretaceous)**
- NISLING RANGE GRANODIORITE**
(Whitehorse Suite?)
- Mafic - intermediate dyke, post - deformation and post - metamorphic
- Mid - Late Devonian**
- DMn **Nasina (Snowcap) Assemblage**
- Quartz - muscovite schists, mainly quartzite, meta pelites, psammites, meta phyllites, lesser limestone and marble. Quartzites locally resemble chert.

SYMBOLS

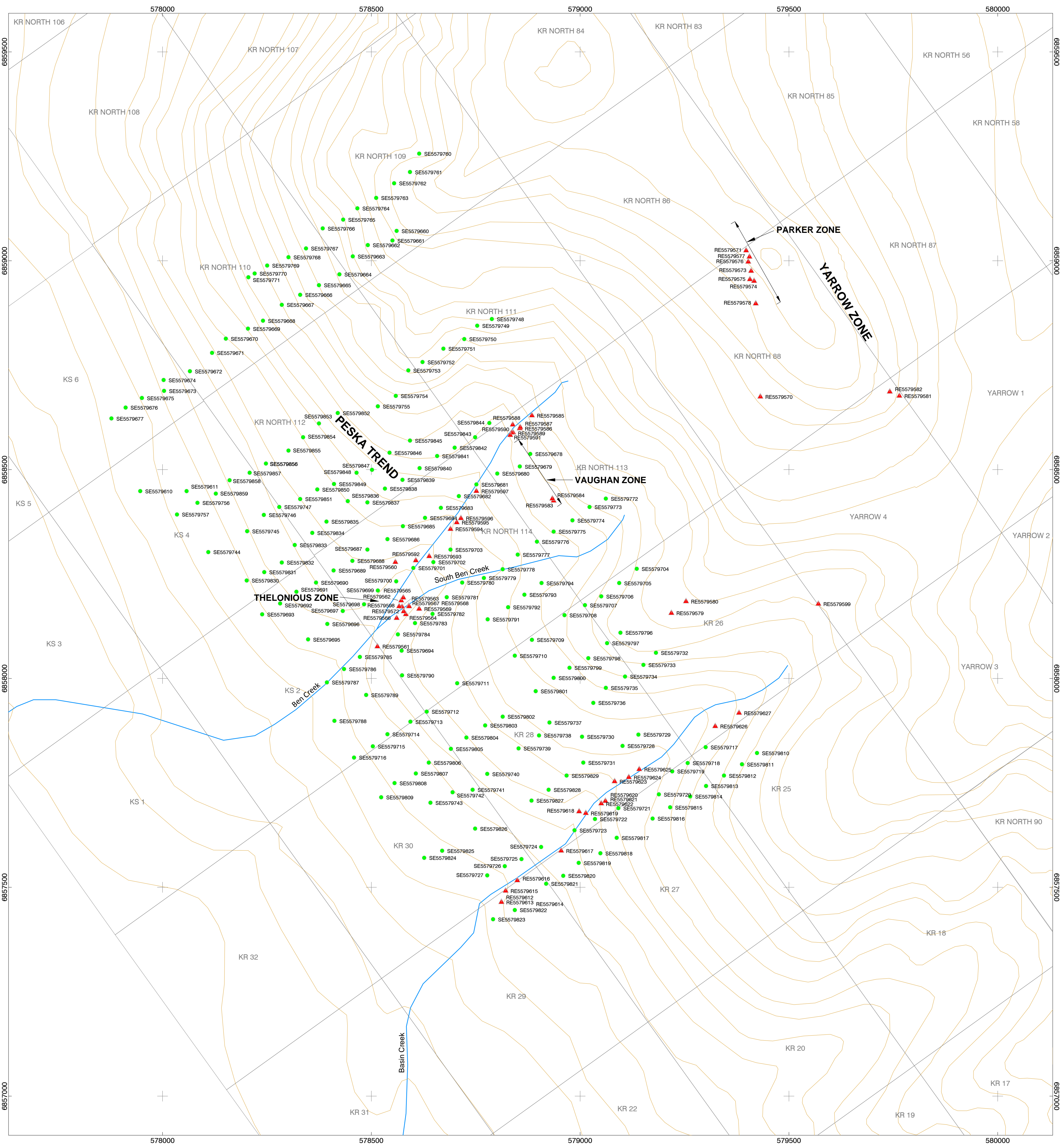
- Strike and dip of Bedding / S₀ feature
- Strike and dip of Foliation / S₁ feature
- Strike and dip of S₂ feature
- Strike and dip of Fault, Shear
- Strike and dip of Vein
- Strike and dip of Joint
- Strike and dip of Minor Contact
- Trend and plunge of L1 feature
- Trend and plunge of L2 (small fold axis)
- Trend and plunge of Kink Band axis
- Outcrop boundary
- Talus / Rubblecrop boundary
- Claim boundary
- Small outcrop
- Waypoint location
- Fault, interpreted

ABBREVIATIONS

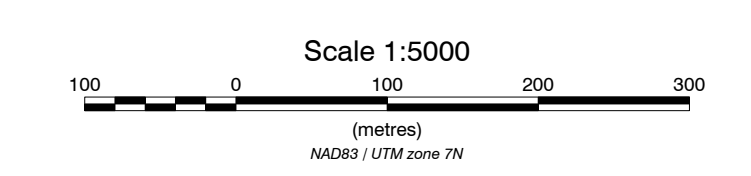
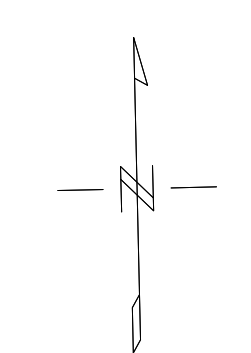
bio	Biotite	R/C	Rubblecrop
bldr	Boulders	sch	Schistose
brecc	Brecciated	scor	Scorodite
calc	Calcareous	sil	Silicified
Cpy	Chalcopyrite		
cren	Crenulated		
graph	Graphitic		
Int	Intermediate		
lst	Limestone		
maf	Mafic		
mar	Marble		
pel	Pelite		
phy	Phyllite		
psam	Psammite		
qzte	Quartzite		
Qz Vn	Quartz vein		



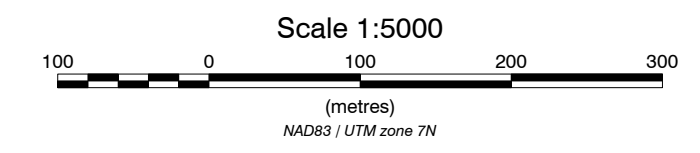
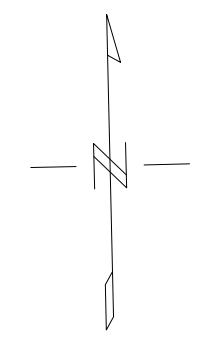
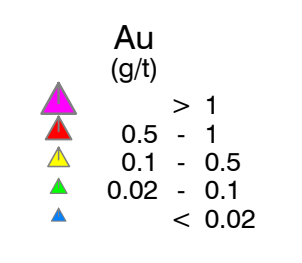
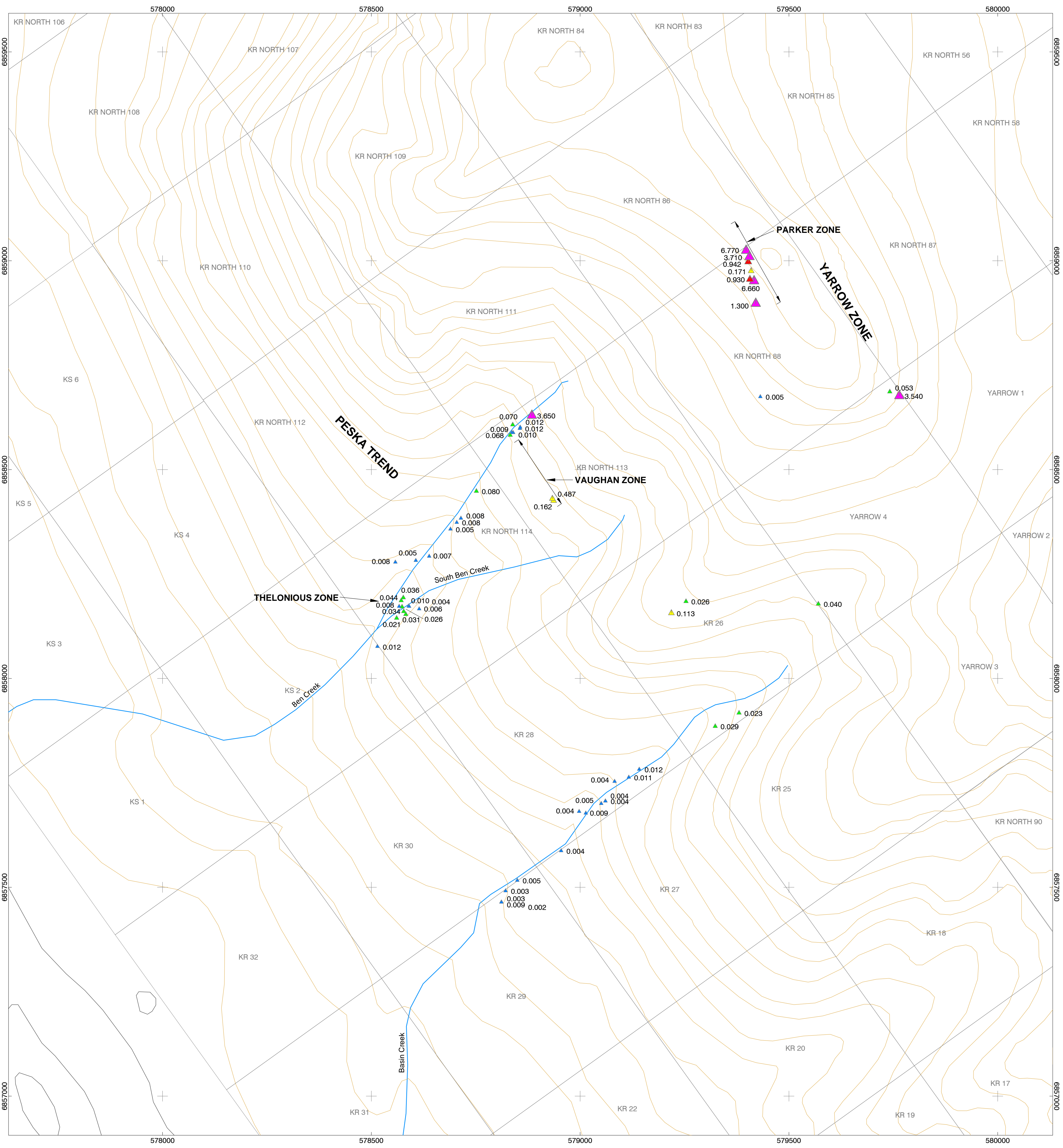
All-Terrane Mineral Exploration Services
 Map 1
 2014 Geology Map
 Toshingerman (TOSH) Property
 Tincup Lake Area
 Scott Berdahl, 2014 YMEP Program
 NTS 115G13, 14
 December 04, 2014
 drawn by Stewart Basin Exploration



● Soil sample location, sample number
 ▲ Rock sample location, sample number



All-Terrane Mineral Exploration Services
Map 2
Soil and Rock Sample Locations
Toshingerman (TOSH) Property, Tincup Lake Area
 Scott Berdahl, 2014 YMEP Program
 NTS 115G13, 14
 December 04, 2014
drawn by Stewart Basin Exploration

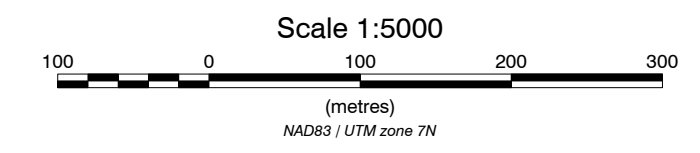
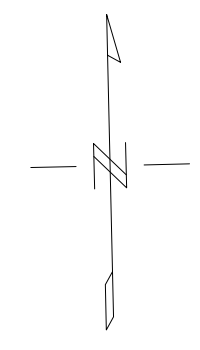
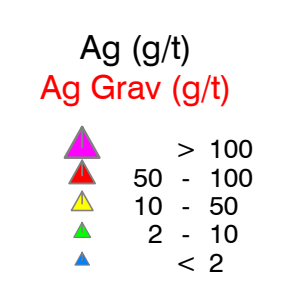
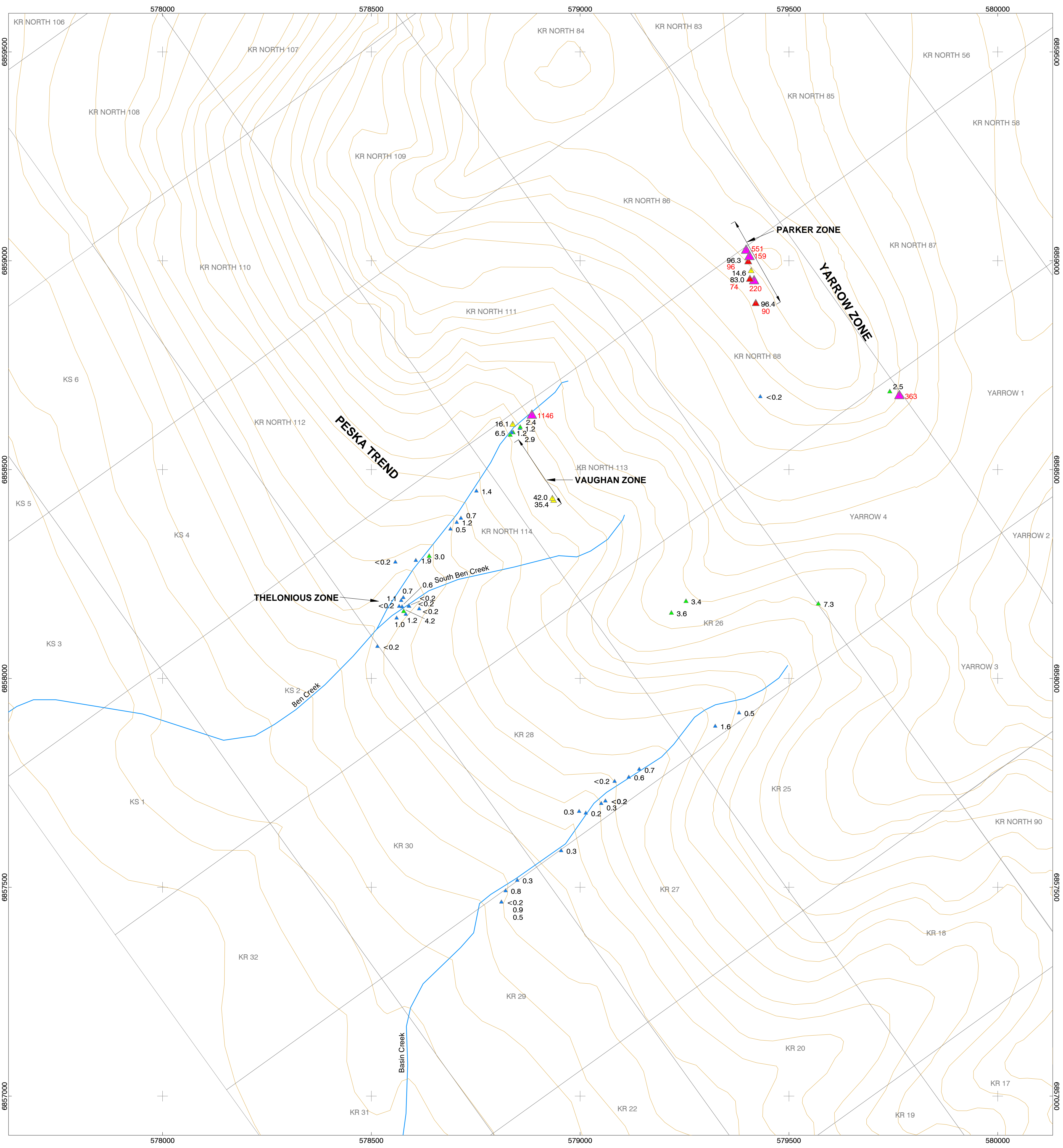


All-Terrane Mineral Exploration Services

Map 3
Rock Sample Geochemistry Au
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
NTS 115G13, 14
December 04, 2014

drawn by Stewart Basin Exploration

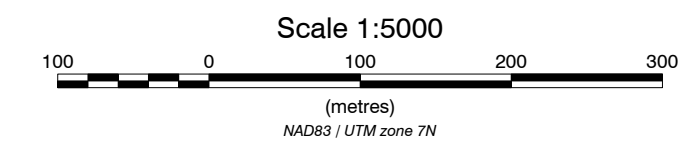
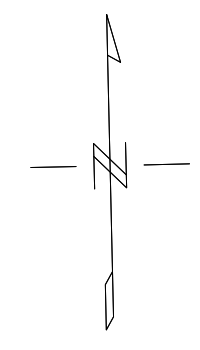
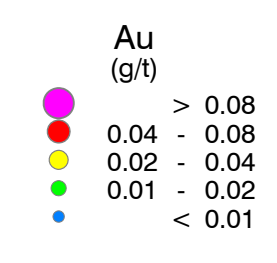
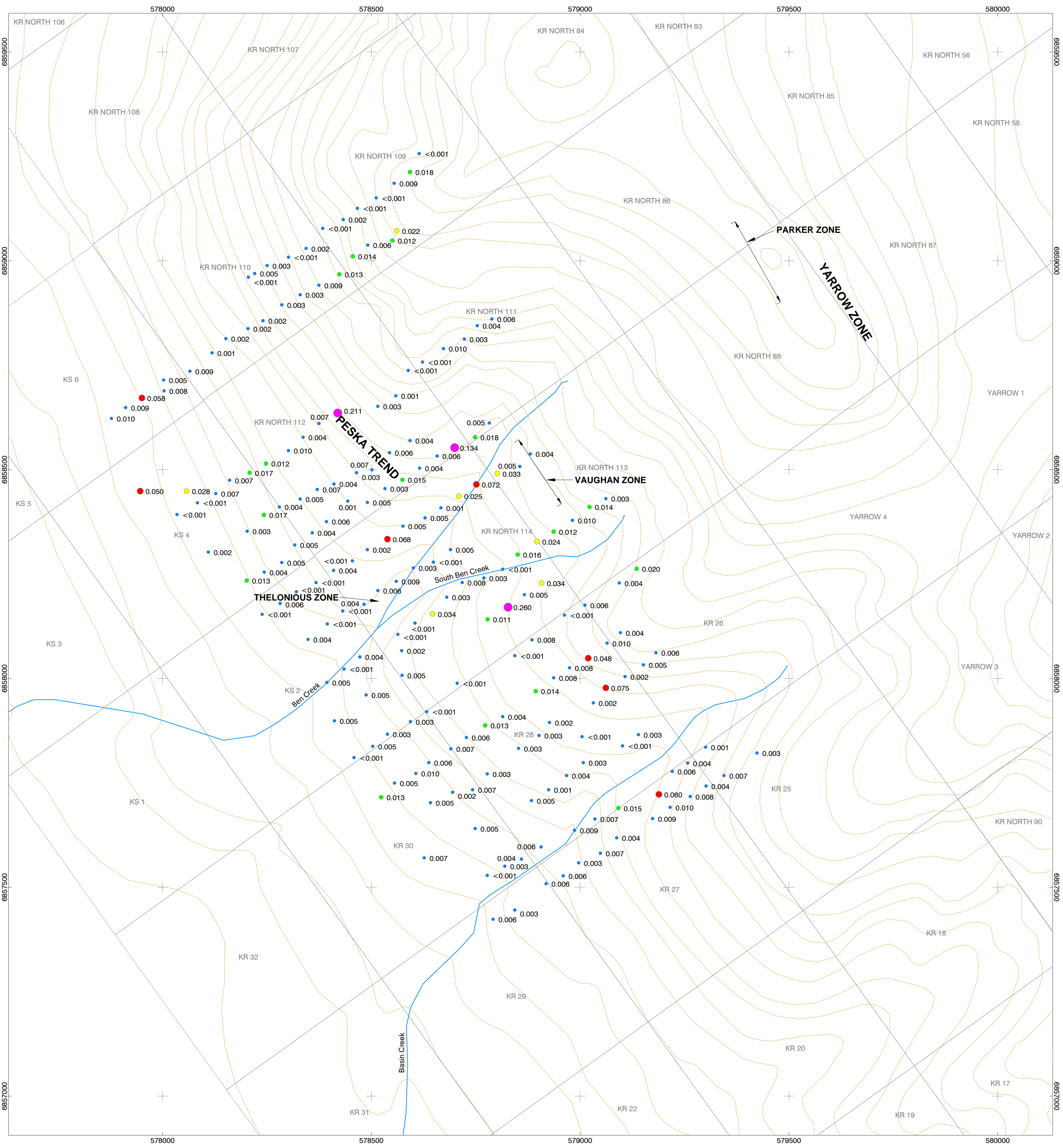


All-Terrane Mineral Exploration Services

Map 4
Rock Sample Geochemistry Ag
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
NTS 115G13, 14
December 04, 2014

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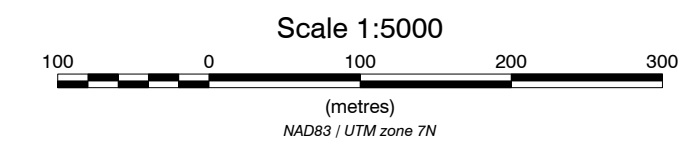
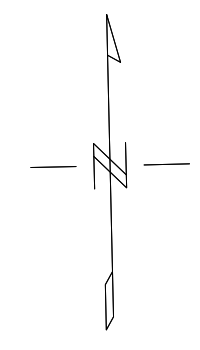
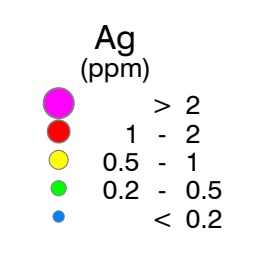
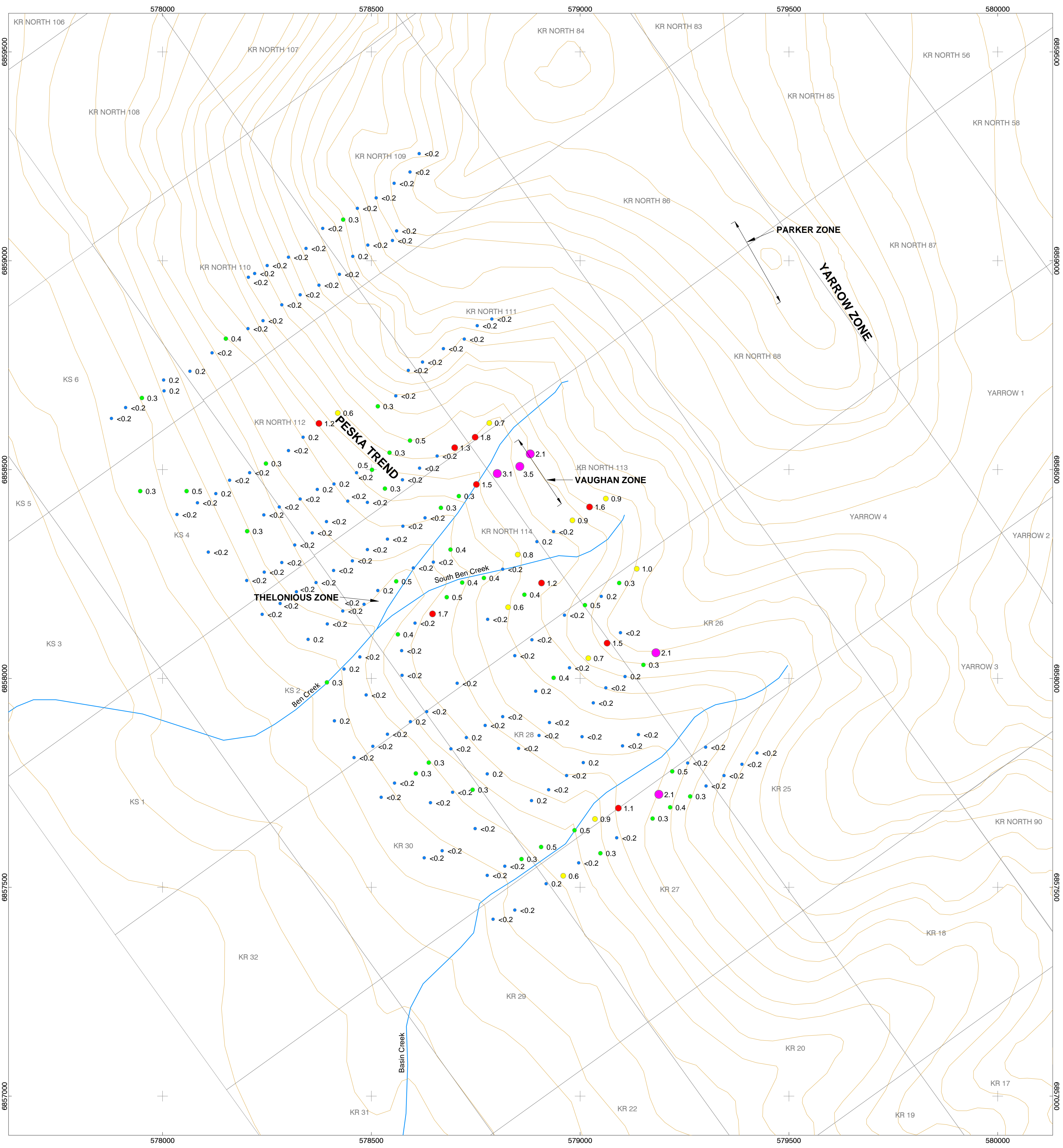


All-Terrane Mineral Exploration Services

Map 5
Soil Sample Geochemistry Au
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
NTS 115G13, 14
December 04, 2014

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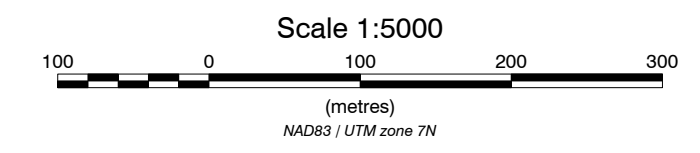
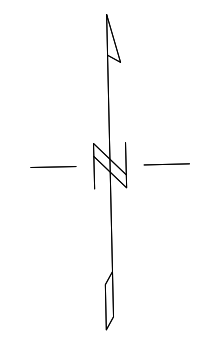
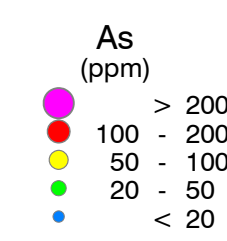
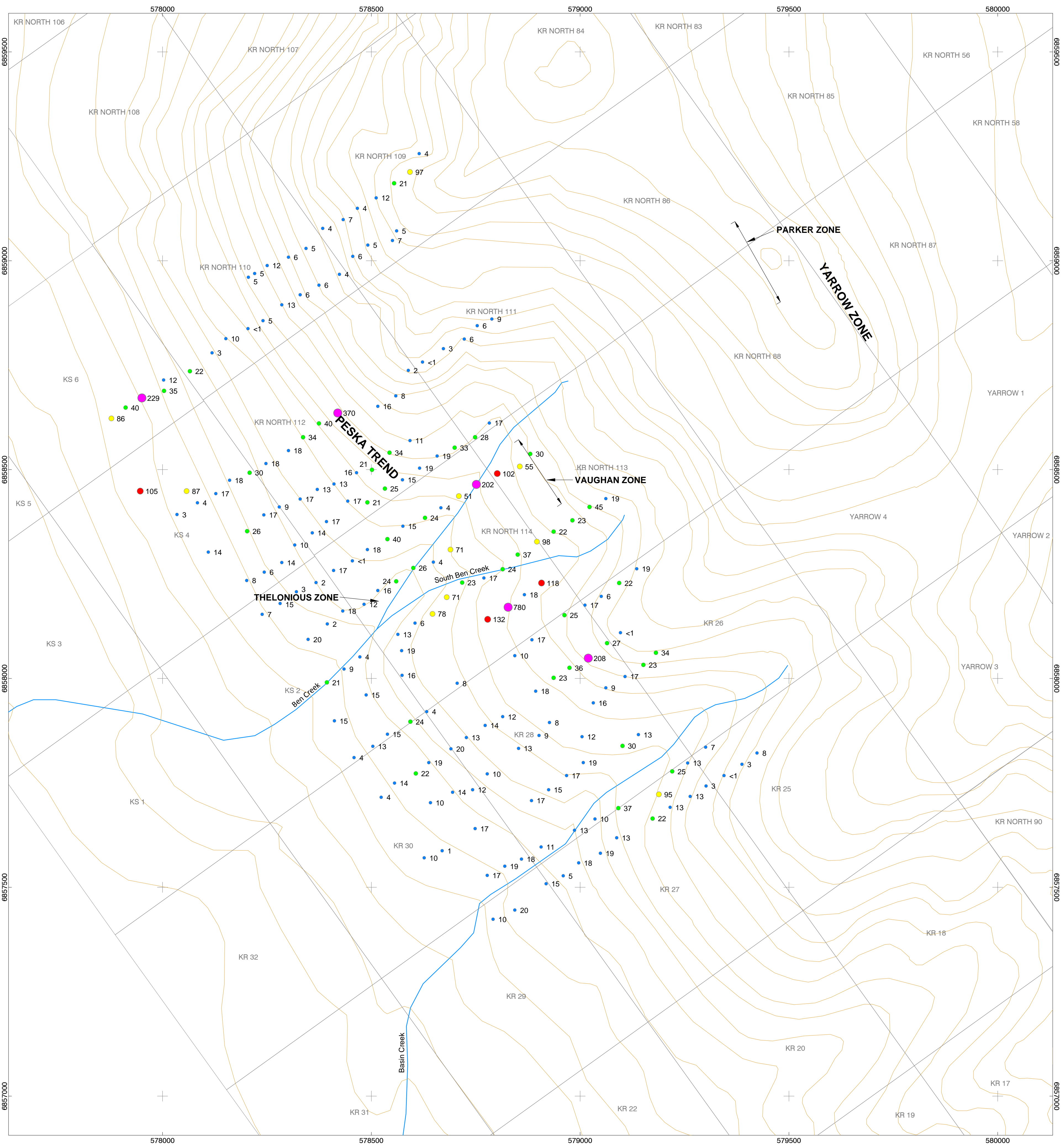


All-Terrane Mineral Exploration Services

Map 6
Soil Sample Geochemistry Ag
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
 NTS 115G13, 14
 December 04, 2014

drawn by Stewart Basin Exploration

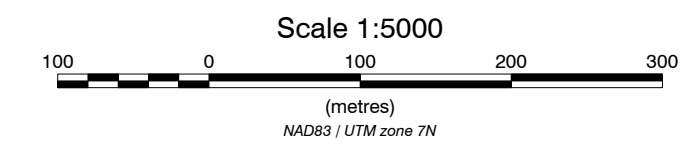
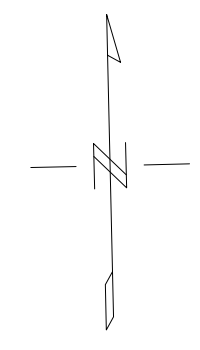
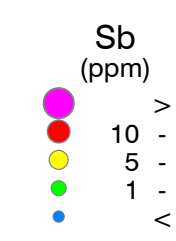
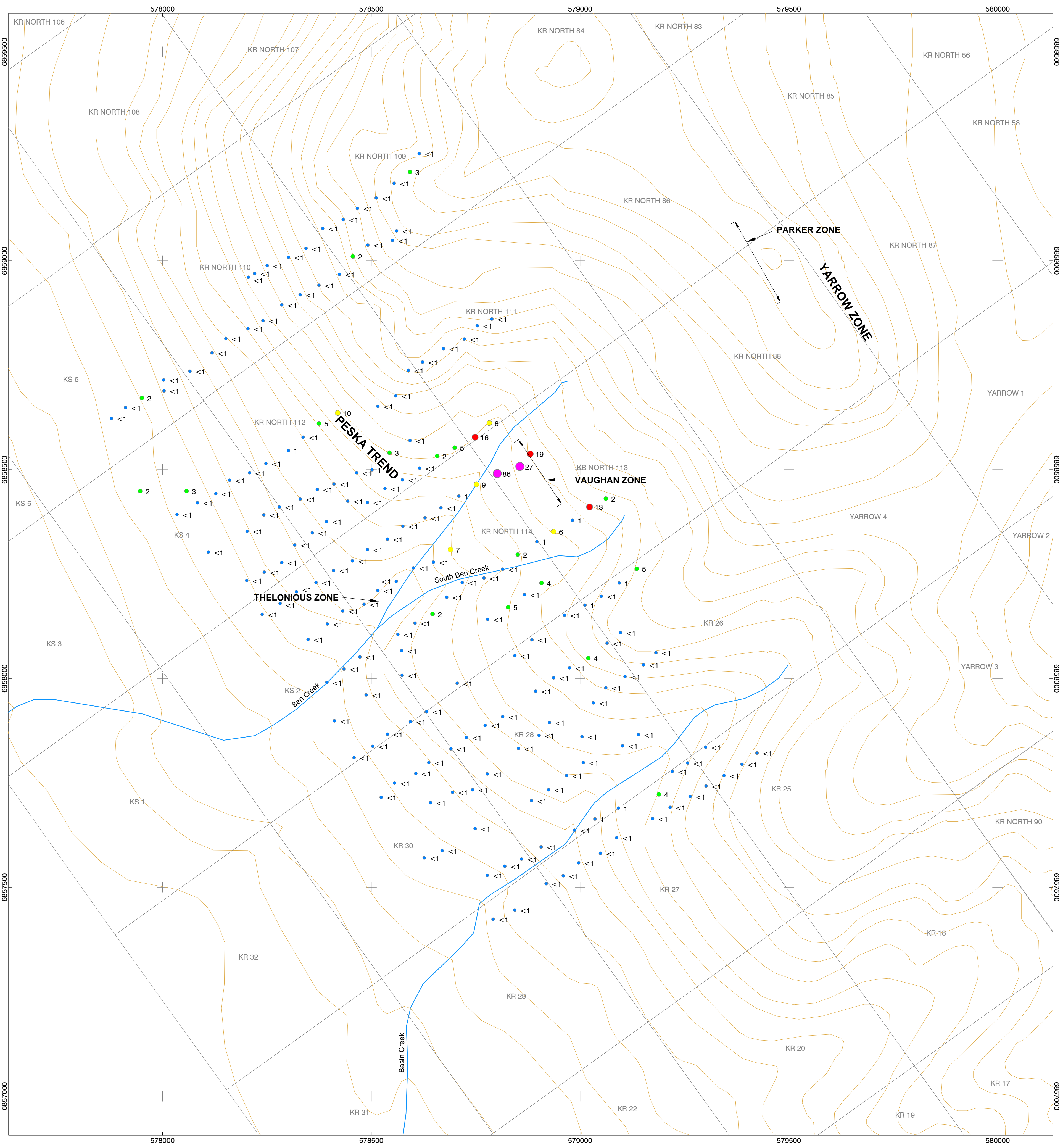


All-Terrane Mineral Exploration Services

Map 7
Soil Sample Geochemistry As
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
NTS 115G13, 14
December 04, 2014

drawn by Stewart Basin Exploration

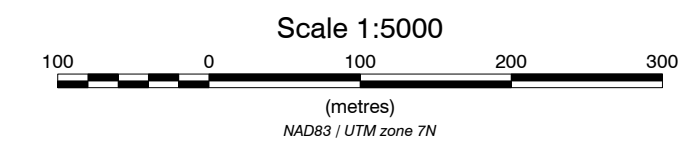
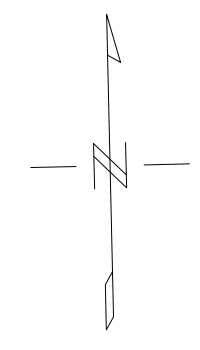
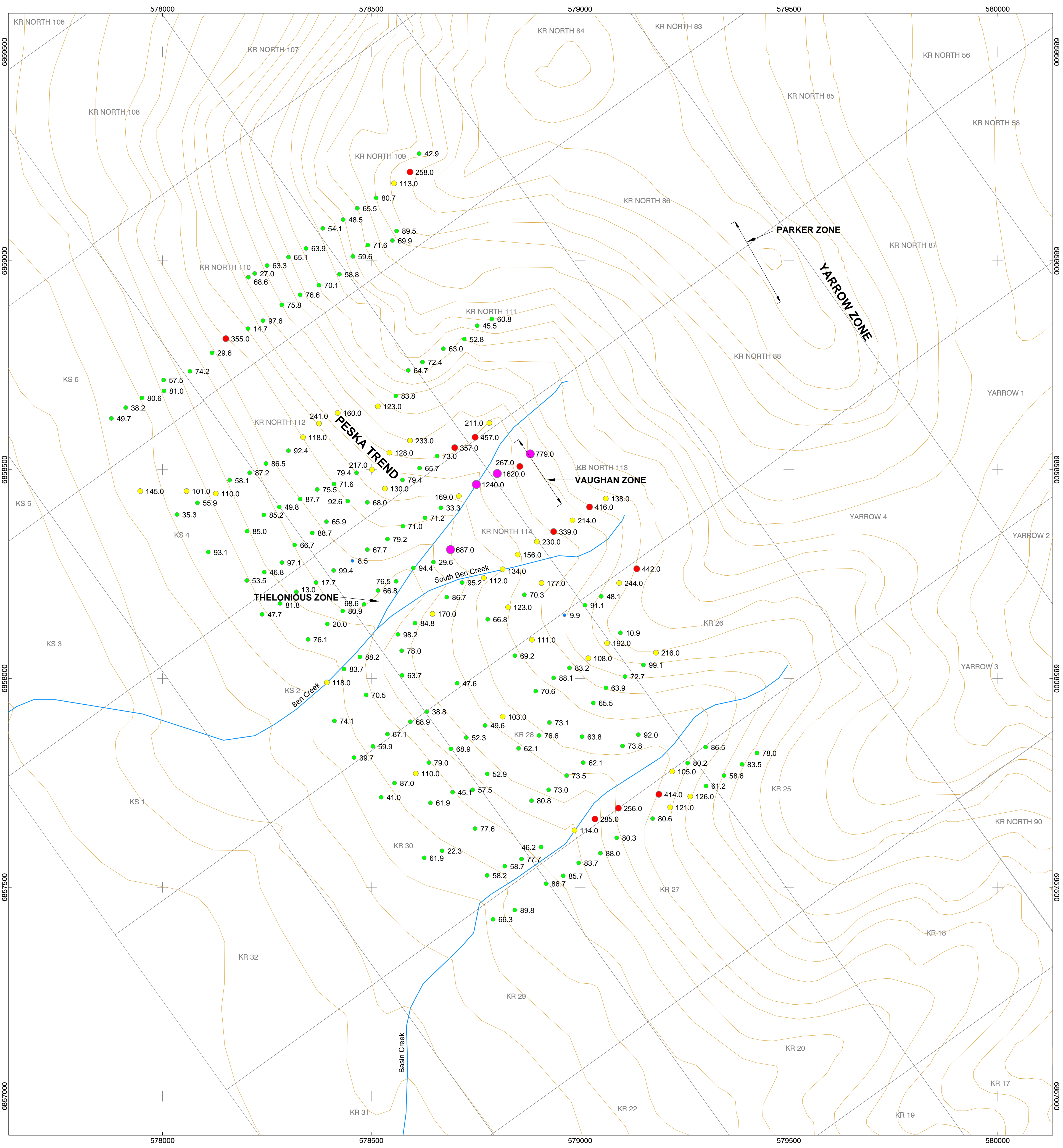


All-Terrane Mineral Exploration Services

Map 8
Soil Sample Geochemistry Sb
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
 NTS 115G13, 14
 December 04, 2014

drawn by Stewart Basin Exploration



All-Terrane Mineral Exploration Services

Map 9
Soil Sample Geochemistry Zn
Toshingerman (TOSH) Property, Tincup Lake Area

Scott Berdahl, 2014 YMEP Program
NTS 115G13, 14
December 04, 2014

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