2012 Stream Sediment Geochemistry Program

on the

Blue Sheep Property

Turnagain River Area

(NTS 104I/09, 104I/10, 104I/15, 104I/16)

Liard Mining Division, Northern British Columbia

Latitude 58° 47' 00” N, Longitude 128° 22' 00” W

for

BCarlin Resources Ltd.

by

J.D. Rowe (B.Sc.) and C.J. Greig (M.Sc. P.Geo)

March 14, 2013

Table of Contents

List of Figures and Tables

List of Appendices

1.0 Summary and Recommendations

The Blue Sheep property, located in north-central British Columbia, consists of a large block of claims, 10 to 15 km wide that extends 40 km northwesterly from the Turnagain River. The claims cover areas of multi-element silt and soil geochemical anomalies generated by Government regional geochemical surveys and by previous exploration programs. The 2012 exploration objective was to outline an area with high potential for Carlin-type gold deposits hosted by sedimentary rocks, such as the recently-discovered occurrences in similar host stratigraphic units in the Yukon Territory. These commonly have a similar polymetallic geochemical signature to that found in this area, with elevated antimony, arsenic, and mercury, as well as zinc, lead, silver, copper and sometimes gold. In addition, there is potential in the area for discovery of precious metals-bearing skarn or vein-type mineralization, which could also be rich in tungsten or molybdenum.

The results of the 2012 stream sediment geochemical sampling program, which was funded by a group of private investors operating under the company name of BCarlin Resources Ltd., were very encouraging. The most promising host rocks appear to be part of an allochthonous assemblage of Upper Devonian to Upper Triassic sedimentary and mafic volcanic rocks that contain small dioritic to ultramafic intrusions. In the Cassiar Camp, located 90 km to the northwest, rocks of this assemblage are known to host high grade gold veins, as well as showings of Cu-Zn bearing VMS mineralization. In addition, the Devonian to Mississippian Earn Group shales within the project area exhibit multi-element anomalies that are indicative of SEDEX-style Zn-Pb-Ag mineralization. Other potential host units include Proterozoic to Devonian clastic and carbonate stratigraphies that contain known showings of vein and skarn mineralization adjacent to granitic intrusive bodies.

The most attractive and highest priority target areas lie along the west side of the property within the Slide Mountain Complex of volcanic-sedimentary units. This area is where some of the strongest Au values were returned, along with anomalous Cu, Pb, As, Ni and Fe, and they suggest the potential for Au-bearing polymetallic veins or possible VMS-style mineralization. This same stratigraphy underlies an area of more than 150 square kilometres on the property, and it is an area that has seen very little exploration in the past. As well, there are indications from regional sediment sampling that anomalous values continue within this favourable unit north of the property, in the direction of the Cassiar gold camp.

Much of the project area is moderately rugged, with relatively abundant outcrop on ridges and steep hillsides. However, below about 1500 metres elevation the slopes are densely covered by brush and stunted forest. Outcrop is much less obvious on the lower slopes, and it is a more difficult part of the property to explore. The upside is that mineral showings within the brushy areas are much more likely to have been missed by previous exploration.

Further work on the property is recommended. It should begin with relatively close-spaced sediment sampling of streams that drain the Slide Mountain lithologies. An estimate of approximately 200 samples would be required for this work. Anomalies defined by the stream sediment samples should then be followed-up by contour and local ridgeline soil traverses, and by prospecting and reconnaissance geological mapping within the anomalous drainage basins. In the next phase, targets identified by these methods should be further defined by more detailed prospecting, grid soil sampling, and geologic mapping, as well as geophysical surveying, if deemed appropriate.

Government RGS sediment samples from an area to the north of the property have returned anomalous values for Au, Ag, As, Cu, Hg, Mo, Ni and Zn within similar Slide Mountain Group stratigraphy. This area also certainly warrants consideration for preliminary exploration during follow-up work on the Blue Sheep property, with subsequent claim-staking should the results justify.

2.0 Introduction

The initial Blue Sheep Project claims were staked in November, 2011 to cover several areas of multi-element anomalous stream sediment geochemistry documented in the re-release and upgrade of government-funded sampling program results (Jackaman, 2011). Subsequently, further claims were added around the periphery in February and May, 2012.

Several parts of the property have, in the past, been explored for skarn and vein style mineralization. Some of the work consisted of geochemical sampling with little follow-up, while other areas received more detailed exploration, including geophysical surveys and diamond drilling. Previous work is summarized in Section 7.0 and assessment reports that detail the exploration programs are referenced in Section 11.0 (References). In mid-2012 BCarlin Resources Ltd. carried out stream sediment geochemical sampling of selected targets within in an area measuring approximately 40 km long by 10 to 15 km wide, which confirmed many of the previously documented anomalies that are considered good exploration targets. Potential for the discovery of mineral deposits is demonstrated by strong polymetallic geochemical response from silt samples in areas underlain by a variety of lithologies, including shallow to deep water marine sediments and limestone, basaltic volcanic rocks and mafic to intermediate intrusive bodies.

Maps and tables showing the results of the sampling program are included in this report. A Statement of Expenditures summarizing costs incurred for the sampling, analyses and geological evaluation appears as Appendix IV. A list of personnel who worked on the project is attached as Appendix V and the authors' Statements of Qualifications appear in Appendix VI. The Confirmation of Exploration and Development Work/ Expiry Date Change is attached in Appendix VII.

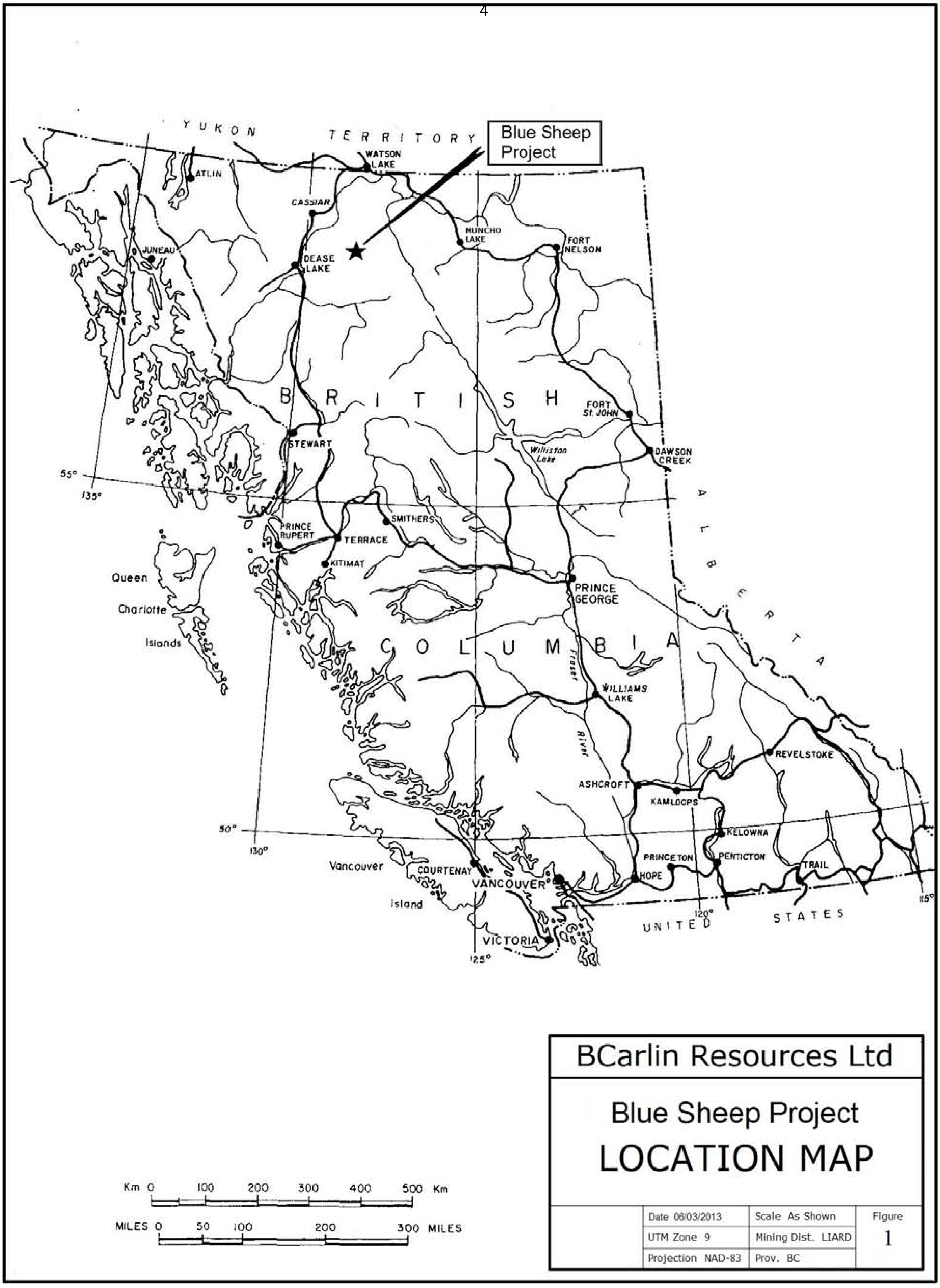
3.0 Location, Access, Physiography, Climate and Vegetation

The Blue Sheep property lies 100 km east-northeast, by air, from the village of Dease Lake, B.C., which is located on the Stewart-Cassiar Highway (Hwy 37) and has supply stores and an airport with regularly scheduled commercial flights (Figure 1). The north end of the property is about 120 km south of the town of Watson Lake, Yukon. The claims lie north of Turnagain River and 22 km east of Cry Lake, on NTS map sheets 104I/09, 104I/10, 104I/15 and 104I/16, centered at approximately 58° 47' 00" N, 128° 22' 00" W. There are no roads in the property area although a trail is mapped extending southeasterly from the Stewart-Cassiar highway, near Cassiar, to Deadwood Lake, located 14 km north of the claim block. Small float-equipped aircraft can land on Blue Sheep Lake which is centrally located on the property. The 2012 exploration program was based at the camp of Scoop Lake Outfitters, 50 km northeast of the property, and the crew gratefully acknowledges the hospitable accommodation provided by the Cary family. Transportation on the property was provided by a Eurocopter A-star helicopter owned by Vancouver Island Helicopters and fixed wing support was provided by Urs Schildknecht of Liard Air based in Muncho Lake, BC.

The property is situated in moderately rugged, mountainous terrain with elevations ranging from approximately 800 metres ASL along the northeast-trending Major Hart River to 2200 metres or higher at several of the peaks. Treeline is at approximately 1500 metres. Some of the area above that elevation is covered with alpine grass and brush, but bedrock exposure at higher elevations is relatively abundant. Winters are long and cold and summers are warm with moderate rainfall. Field exploration can be conducted from early June to mid-October when snow cover is mostly gone.

4.0 Claim Status

The Blue Sheep property, at the time of the work program, consisted of 116 claim tenures totalling 47,259 hectares. The outlines of the claims and tenure numbers are shown on Figure 2 and a complete list of the tenures, as of November 23, 2012, is shown in Table 1. The tenures are also illustrated on the Sample Location maps (Figures 5 & 16) in Sections 8.1 which show, in greater detail, the areas where the 2012 assessment work was performed. Following November 23, 2012, based on


Blue Sheep Project
YUKON TERRITORY
BRITISH COLUMBIA
ALBERTA
UNITED STATES
WATSON LAKE
ATLIN
CASSIAR
JUNEAU
DEASE LAKE
MUNCHO LAKE
FORT NELSON
FORT St. JOHN
DAWSON CREEK
Williston Lake
STEWART
PRINCE RUPERT
TERRACE
SMITHERS
KITIMAT
PRINCE GEORGE
Queen Charlotte Islands
Fraser River
WILLIAMS LAKE
REVELSTOKE
ASHCROFT
KAMLOOPS
KELOWNA
PENTICTON
PRINCETON
HOPE
TRAIL
Vancouver Island
COURTENAY
VANCOUVER
VICTORIA
55°
135°
50°
130°
125°
120°
115°
Km 0 100 200 300 400 500 Km
MILES 0 50 100 200 300 MILES
BCarlin Resources Ltd
Blue Sheep Project
LOCATION MAP
Date 06/03/2013
Scale As Shown
Figure 1
UTM Zone 9
Mining Dist. LIARD
Projection NAD-83
Prov. BC

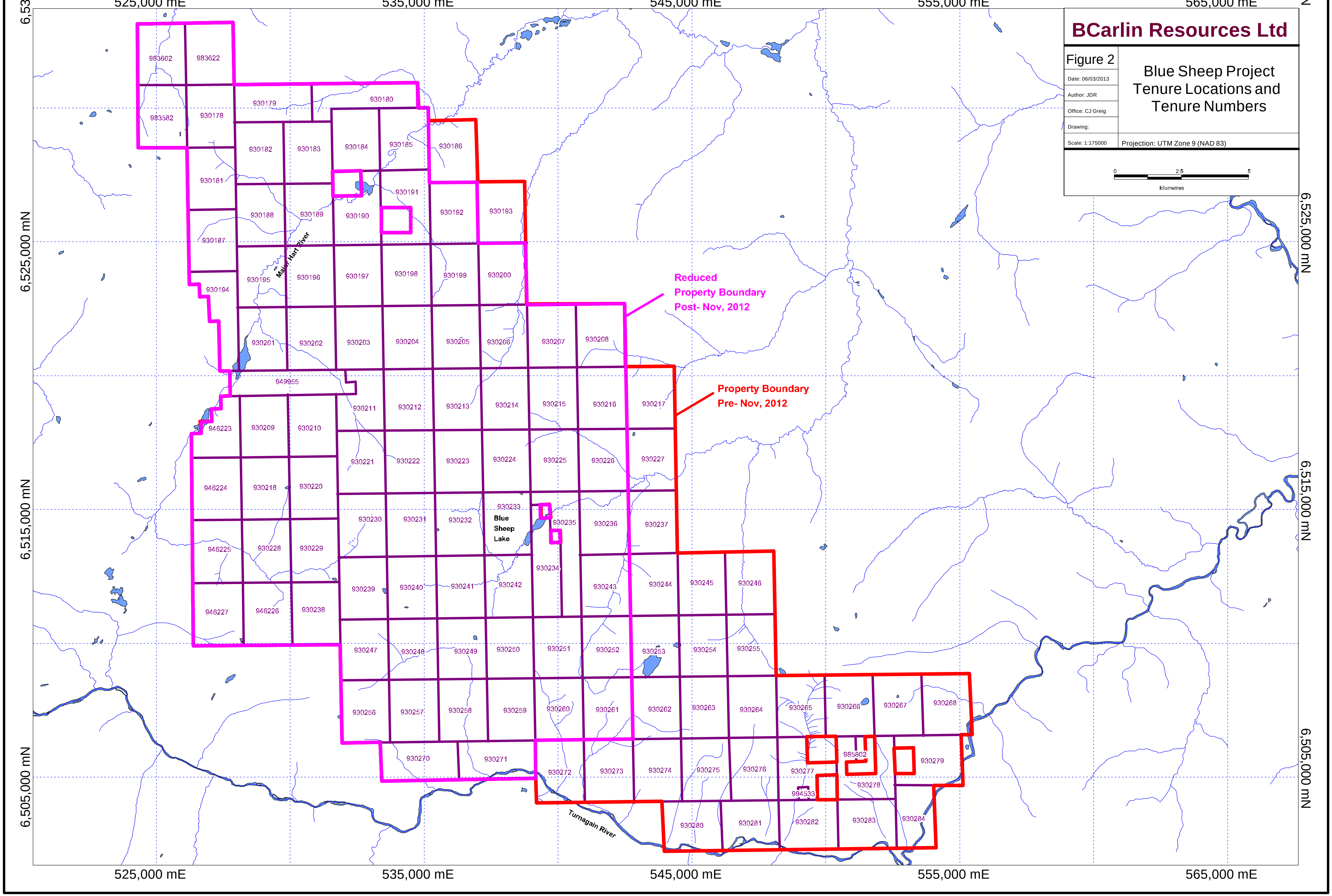

BCarlin Resources Ltd
Figure 2
Blue Sheep Project
Tenure Locations and
Tenure Numbers
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:175000
Projection: UTM Zone 9 (NAD 83)
0
2.5
5
kilometres
525,000 mE
535,000 mE
545,000 mE
555,000 mE
565,000 mE
6,535
6,525,000 mN
6,515,000 mN
6,505,000 mN
Reduced
Property Boundary
Post- Nov, 2012
Property Boundary
Pre- Nov, 2012
Blue
Sheep
Lake
Turnagain River

Table 1. Blue Sheep Project Tenures as of Nov 23, 2012

* Note: Grey = allow to expire

Tenure Num	Claim Name	Map Num	Issue Date	Good To Date	Area (ha)
930178	B1	104I	2011/nov/23	2013/aug/31	418.02
930179	B2	104I	2011/nov/23	2013/aug/31	401.25
930180	B3	104I	2011/nov/23	2013/aug/31	401.25
930181	B4	104I	2011/nov/23	2013/aug/31	418.27
930182	B5	104I	2011/nov/23	2013/aug/31	418.17
930183	B6	104I	2011/nov/23	2013/aug/31	418.18
930184	B7	104I	2011/nov/23	2013/aug/31	418.13
930185	B8	104I	2011/nov/23	2013/aug/31	418.14
930186	B9	104I	2011/nov/23	2012/nov/23	418.19
930187	B10	104I	2011/nov/23	2013/aug/31	418.52
930188	B11	104I	2011/nov/23	2013/aug/31	418.42
930189	B12	104I	2011/nov/23	2013/aug/31	418.43
930190	B13	104I	2011/nov/23	2013/aug/31	401.70
930191	B14	104I	2011/nov/23	2013/aug/31	401.67
930192	B15	104I	2011/nov/23	2013/aug/31	418.44
930193	B16	104I	2011/nov/23	2012/nov/23	418.45
930194	B17	104I	2011/nov/23	2013/aug/31	385.30
930195	B18	104I	2011/nov/23	2013/aug/31	418.67
930196	B19	104I	2011/nov/23	2013/aug/31	418.68
930197	B20	104I	2011/nov/23	2013/aug/31	418.69
930198	B21	104I	2011/nov/23	2013/aug/31	418.69
930199	B22	104I	2011/nov/23	2013/aug/31	418.69
930200	B23	104I	2011/nov/23	2013/aug/31	418.70
930201	B24	104I	2011/nov/23	2013/aug/31	418.93
930202	B25	104I	2011/nov/23	2013/aug/31	418.94
930203	B26	104I	2011/nov/23	2013/aug/31	418.94
930204	B27	104I	2011/nov/23	2013/aug/31	418.94
930205	B28	104I	2011/nov/23	2013/aug/31	418.95
930206	B29	104I	2011/nov/23	2013/aug/31	418.95
930207	B30	104I	2011/nov/23	2013/aug/31	418.96
930208	B31	104I	2011/nov/23	2013/aug/31	418.96
930209	B32	104I	2011/nov/23	2013/aug/31	419.29
930210	B33	104I	2011/nov/23	2013/aug/31	419.29
930211	B34	104I	2011/nov/23	2013/aug/31	368.90
930212	B35	104I	2011/nov/23	2013/aug/31	419.19
930213	B36	104I	2011/nov/23	2013/aug/31	419.20
930214	B37	104I	2011/nov/23	2013/aug/31	419.21
930215	B38	104I	2011/nov/23	2013/aug/31	419.21
930216	B39	104I	2011/nov/23	2013/aug/31	419.22
930217	B40	104I	2011/nov/23	2012/nov/23	419.23
930218	B41	104I	2011/nov/23	2013/aug/31	419.54
930220	B42	104I	2011/nov/23	2013/aug/31	419.54
930221	B43	104I	2011/nov/23	2013/aug/31	419.44
930222	B44	104I	2011/nov/23	2013/aug/31	419.44
930223	B45	104I	2011/nov/23	2013/aug/31	419.45
930224	B46	104I	2011/nov/23	2013/aug/31	419.46
930225	B47	104I	2011/nov/23	2013/aug/31	419.46
930226	B48	104I	2011/nov/23	2013/aug/31	419.47
930227	B49	104I	2011/nov/23	2012/nov/23	419.48
930228	B50	104I	2011/nov/23	2013/aug/31	419.79
930229	B51	104I	2011/nov/23	2013/aug/31	419.79
930230	B52	104I	2011/nov/23	2013/aug/31	419.69

Table 1. Blue Sheep Project Tenures as of Nov 23, 2012

* Note: Grey = allow to expire

Tenure Num	Claim Name	Map Num	Issue Date	Good To Date	Area (ha)
930231	B53	104I	2011/nov/23	2013/aug/31	419.69
930232	B54	104I	2011/nov/23	2013/aug/31	419.70
930233	B55	104I	2011/nov/23	2013/aug/31	419.70
930234	B56	104I	2011/nov/23	2013/aug/31	386.28
930235	B57	104I	2011/nov/23	2013/aug/31	419.79
930236	B58	104I	2011/nov/23	2013/aug/31	419.72
930237	B59	104I	2011/nov/23	2012/nov/23	419.73
930238	B60	104I	2011/nov/23	2013/aug/31	420.02
930239	B61	104I	2011/nov/23	2013/aug/31	419.93
930240	B62	104I	2011/nov/23	2013/aug/31	419.93
930241	B63	104I	2011/nov/23	2013/aug/31	419.93
930242	B64	104I	2011/nov/23	2013/aug/31	419.93
930243	B65	104I	2011/nov/23	2013/aug/31	419.94
930244	B66	104I	2011/nov/23	2012/nov/23	419.95
930245	B67	104I	2011/nov/23	2012/nov/23	419.96
930246	B68	104I	2011/nov/23	2012/nov/23	419.96
930247	B69	104I	2011/nov/23	2013/aug/31	420.17
930248	B70	104I	2011/nov/23	2013/aug/31	420.17
930249	B71	104I	2011/nov/23	2013/aug/31	420.17
930250	B72	104I	2011/nov/23	2013/aug/31	420.17
930251	B73	104I	2011/nov/23	2013/aug/31	420.18
930252	B74	104I	2011/nov/23	2013/aug/31	420.18
930253	B75	104I	2011/nov/23	2012/nov/23	420.19
930254	B76	104I	2011/nov/23	2012/nov/23	420.19
930255	B77	104I	2011/nov/23	2012/nov/23	420.19
930256	B78	104I	2011/nov/23	2013/aug/31	420.42
930257	B79	104I	2011/nov/23	2013/aug/31	420.42
930258	B80	104I	2011/nov/23	2013/aug/31	420.42
930259	B81	104I	2011/nov/23	2013/aug/31	420.42
930260	B82	104I	2011/nov/23	2013/aug/31	420.44
930261	B83	104I	2011/nov/23	2013/aug/31	420.43
930262	B84	104I	2011/nov/23	2012/nov/23	420.44
930263	B85	104I	2011/nov/23	2012/nov/23	420.44
930264	B86	104I	2011/nov/23	2012/nov/23	420.44
930265	B87	104I	2011/nov/23	2012/nov/23	420.45
930266	B88	104I	2011/nov/23	2012/nov/23	420.45
930267	B89	104I	2011/nov/23	2012/nov/23	420.45
930268	B90	104I	2011/nov/23	2012/nov/23	420.46
930270	B91	104I	2011/nov/23	2013/aug/31	403.80
930271	B92	104I	2011/nov/23	2013/aug/31	403.80
930272	B93	104I	2011/nov/23	2012/nov/23	420.69
930273	B94	104I	2011/nov/23	2012/nov/23	420.69
930274	B95	104I	2011/nov/23	2012/nov/23	420.69
930275	B96	104I	2011/nov/23	2012/nov/23	420.70
930276	B97	104I	2011/nov/23	2012/nov/23	420.70
930277	B98	104I	2011/nov/23	2012/nov/23	319.73
930278	B99	104I	2011/nov/23	2012/nov/23	387.06
930279	B100	104I	2011/nov/23	2012/nov/23	403.85
930280	B101	104I	2011/nov/23	2012/nov/23	404.07
930281	B102	104I	2011/nov/23	2012/nov/23	404.07
930282	B103	104I	2011/nov/23	2012/nov/23	404.07
930283	B104	104I	2011/nov/23	2012/nov/23	404.07

Table 1. Blue Sheep Project Tenures as of Nov 23, 2012

* Note: Grey = allow to expire

Tenure Num	Claim Name	Map Num	Issue Date	Good To Date	Area (ha)
930284	B105	104I	2011/nov/23	2012/nov/23	336.71
946223	TR1	104I	2012/feb/03	2013/aug/31	318.67
946224	TR2	104I	2012/feb/03	2013/aug/31	419.54
946225	TR3	104I	2012/feb/03	2013/aug/31	419.79
946226	TR4	104I	2012/feb/03	2013/aug/31	420.02
946227	TR5	104I	2012/feb/03	2013/aug/31	420.02
949955	TR6	104I	2012/feb/15	2013/aug/31	419.12
983582	SB1	104I	2012/may/02	2013/aug/31	418.02
983602	SB2	104I	2012/may/02	2013/aug/31	417.78
983622	SB3	104I	2012/may/02	2013/aug/31	417.78
985802	WOOL	104I	2012/may/11	2013/may/11	33.65
994533	GAIN	104I	2012/jun/06	2013/jun/06	16.83
				Total Area (ha)	**47259**

evaluation of the sampling results, a number of the tenures on the southeast part of the property were allowed to expire, reducing the property to 85 claims, totalling 34,533 hectares. Assessment expenditures were applied to these remaining tenures to extend the expiry dates of the majority of the claims to August 31, 2013.

The original claims were staked in November, 2011. Additional claims were subsequently staked in February and May, 2012, as well as one claim in June, 2012. The claims are held for an investment group (BCarlin Resources Ltd.) by Jeffrey Rowe; one of the authors of this report. Items for which assessment costs are claimed include field work performed between June 4 and July 15, 2012, supervision, sample analyses, map making and report preparation time; for expenditures totaling $127,700. The Cost Statement is included in Appendix IV and the Confirmation of Mineral Claim Exploration and Development Work/ Expiry Date Change is attached in Appendix VII.

5.0 Regional Geology

The regional geology of the project area has been described by Gabrielse (1998). More recently, the area about 20 km to the west has been mapped by Nelson (2002) and her interpretations there can also be applied to the property area. The region is one of complex geology due to multiple terrane collisions and prolonged thrusting and extensional faulting. Miogeoclinal rocks comprised of Upper Proterozoic to Mississippian aged clastic and carbonate, sedimentary and metasedimentary rocks are assigned to the Ancestral North America Terrane. Overlying the cratonal rocks to the west, along thrust fault contacts, is the allochthonous Slide Mountain Terrane of upper Paleozoic to Mesozoic Sylvester Complex oceanic rocks (Figure 3). These oceanic rocks include argillite, chert and basaltic volcanics that have also been intruded locally by elongate, commonly serpentinized, peridotite bodies, which reflect the ophiolitic affinity of this assemblage. The Rapid River tectonite has been mapped along the western margin of the Sylvester Allocthon and includes tectonized metavolcanics, meta-sediments, and limestone of possibly Upper Devonian to Mississippian age. Multiple intrusions ranging in age from Mississippian to Eocene and from granite to peridotite in composition cut the various lithologies. Tight folding along northwest-trending axes is common in Paleozoic clastic units, with associated southwestward thrusting of Proterozoic units.

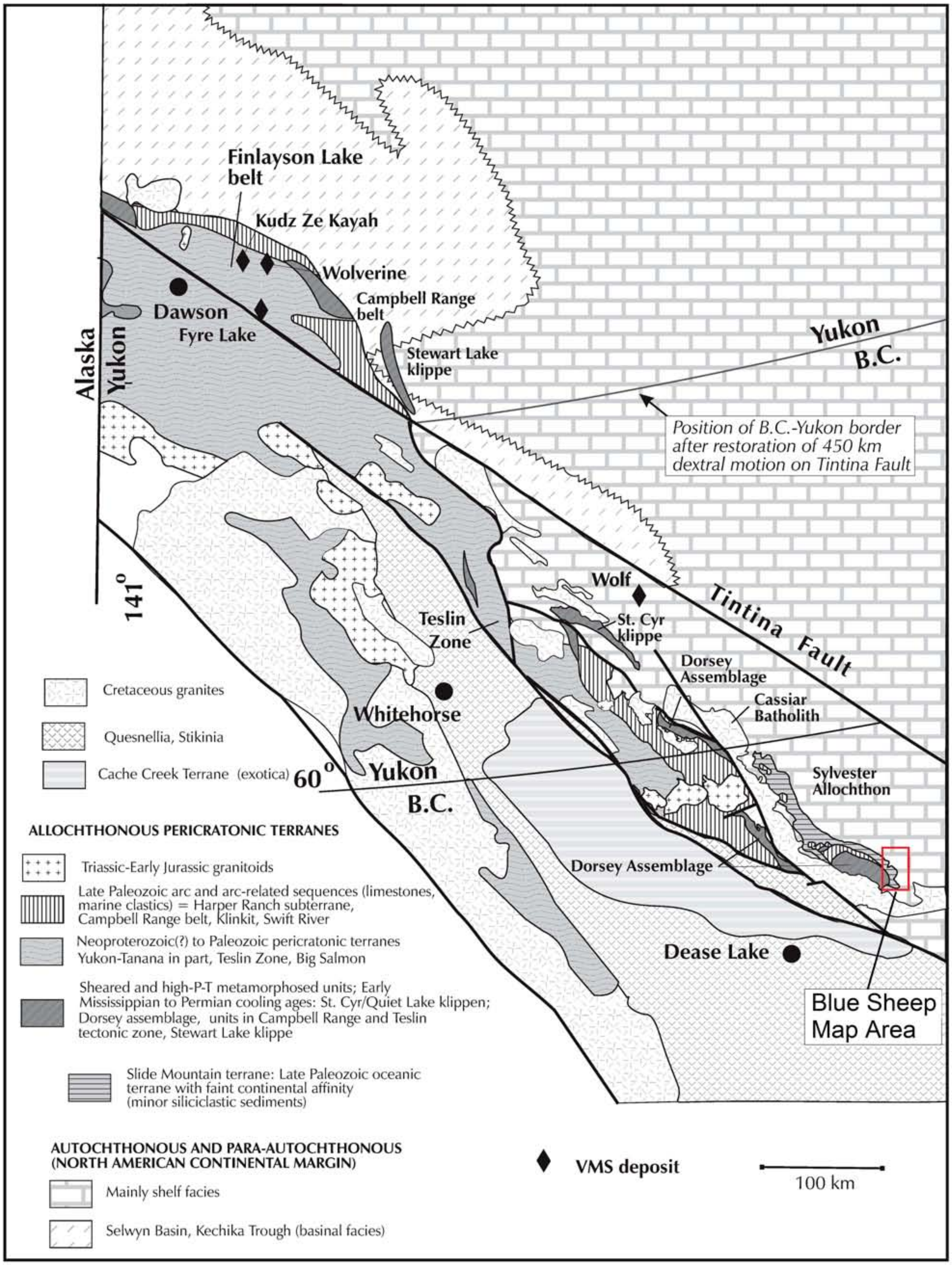


Figure 3. Regional geological setting of the Yukon-Tanana terranes, with the Sylvester Allochthon in the Blue Sheep Area, from Nelson, 2002

6.0 Property Geology

The Cry Lake map sheet (104I) geology was mapped by Gabrielse (1993) and the geology in the vicinity of the property has been taken from the regional compilation map (GeoFile 2005-9, Massey et. al., 2005) and shown on Figure 4. Stratigraphic units are summarized below and listed in a stratigraphic column in Table 2.

The southeast claims are underlain by Upper Proterozoic, shallow water, sedimentary and carbonate units of the Ingenika Group. The oldest Swannell and Tsaydiz Formations (undivided) consist of micaceous quartzite, mica schist and quartz pebble conglomerate overlain mainly by sericitic, chloritic or calcareous phyllite, phyllitic limestone, schist and siltstone. These units are overlain by the Espee Formation which is comprised of crystalline to sandy limestone, dolostone and grey slate. Espee is overlain by the Stelkuz and Boya Formations of quartzitic sandstone, quartzite, pebble conglomerate, siltstone, slate and shale. These older units are exposed only at the southeast tip of the property but are host to several skarn showings along the contacts of granitic intrusions in that area.

Conformably overlying the Proterozoic rocks is the Lower Cambrian Rosella Formation of the Atan Group, comprised of limestone, dolostone, calcareous shale, brown, grey and green-grey slate. This carbonate unit is also host to skarn showings within the property area. The Cambrian to Ordovician Kechika Group, cutting northerly through the property, consists of limestone, argillaceous to phyllitic limestone, pale calcareous slate, calcareous phyllite, pyritic and carbonaceous slate and shale, with local occurrences of conglomerate and greenstone. An undivided unit of Kechika and Lower Road River Groups is mapped at the south edge of the property, consisting of siltstone, shale, argillaceous limestone, calcareous shale and limestone. These are conformably overlain by Ordovician to Silurian, black, commonly limy, locally graptolitic slate and argillaceous limestone of the Road River Group, which is mapped only south of the property. The Ramhorn Group, of Silurian to Lower Devonian age, is exposed through the central claims. It is comprised of dolomitic quartz arenite, quartzite, dolostone and limestone and locally hosts veins containing high Cu-Ag values. The overlying McDame Group is exposed in a north to northwest-trending belt through the central claims. It consists of Middle to Upper Devonian dolostone and dark grey fetid limestone, overlain by light grey, platy, limestone, with local karst breccia.

The conformably overlying Upper Devonian to Lower Mississippian siliciclastics of the Earn Group record the abrupt end of shallow-water carbonate deposition and the subsequent laying down of deeper water, fine to coarse grained clastics. Lithologies include slate (variably graphitic, calcareous, pyritic), siltstone, sandstone, conglomerate, porcellanite, light green tuffaceous shale, dark grey limestone, and siliceous and baritic exhalite. This unit is known to host SEDEX style Zn-Pb-Ag mineralization in the Gataga area to the southeast.

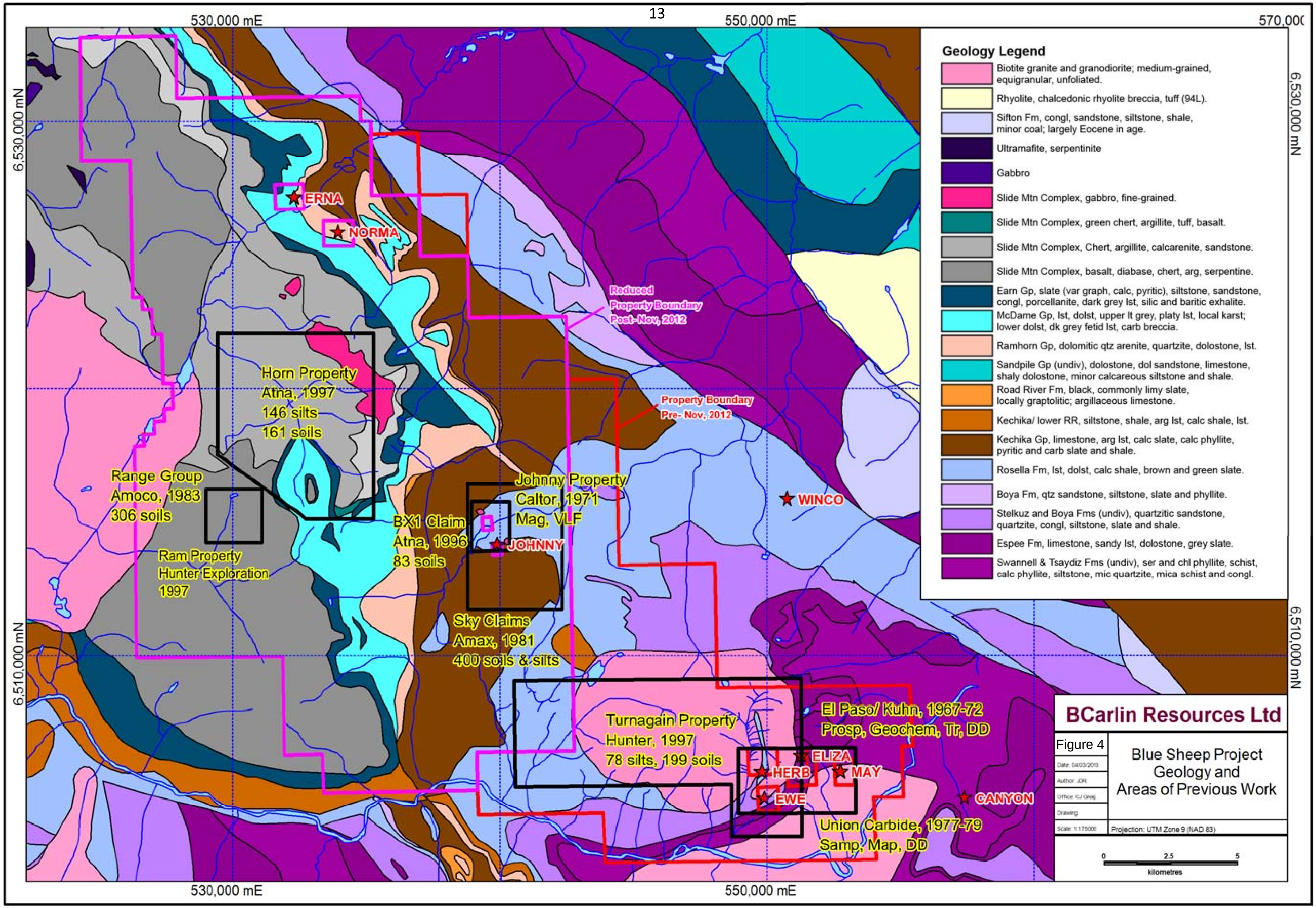
The Earn Group is, in the northern half of the property, overthrust by a slice of Slide Mountain Complex of the Sylvester Allochthon, comprised of Mississippian to Permian age, black, grey and green argillite, quartz-chert sandstone, grey, green and black chert, calcarenite and minor tuff, with up to 10% diabase sills. To the west this package is overlain (or overthrust) by a Permian section of the Slide Mountain Group composed of basalt, diabase, chert, argillite and slivers of serpentinite or peridotite. This volcanic assemblage is thrust directly onto the Earn Group in the southern half of the claims.

Some of the aforementioned units have been intruded by the Early Cretaceous Cassiar Plutonic Suite consisting mainly of biotite-hornblende granite and alkali feldspar granite. A separate body of the Cassiar Suite, called the Turnagain Pluton is prominent in the southeast part of the project area, and comprises biotite granite which has calc-silicate skarn commonly developed on its eastern margin.

At the west edge of the property, the Eocene Major Hart Pluton is a high-level, locally miarolitic granite body, over 10 km in diameter. It contains high levels of tin and has recently been explored for rare earth elements (Barker, 2011).

Gabbro and diorite bodies up to several km in length occur within a volcanic assemblage of the Mississippian to Permian Slide Mountain Complex.

Maps of the project area (Gabrielse, 1993) depict tight folding in ancestral rocks, which dominates the structural style in the area. The appearance and intensity of folds depend on the structural competence of the rocks affected. The strongly competent carbonate units tend to break, as opposed to fold, and slide along the less competent shales, whereas the shales, being more ductile, react to compression by folding. The shales and other less competent sediments also act as thrust fault planes along which the more competent rocks slide. Structural trends are typically northwest-southeast; with relatively tight, upright to northeast-dipping limbs with thrust faults generally trending northwest and dipping to the northeast. The allochthonous rocks of the Slide Mountain Complex are thrust easterly over ancestral rocks along relatively flat thrust planes.



530,000 mE
550,000 mE
570,00
6,530,000 mN
6,510,000 mN
Geology Legend
Biotite granite and granodiorite; medium-grained, equigranular, unfoliated.
Rhyolite, chalcedonic rhyolite breccia, tuff (94L).
Sifton Fm, congl, sandstone, siltstone, shale, minor coal; largely Eocene in age.
Ultramafite, serpentinite
Gabbro
Slide Mtn Complex, gabbro, fine-grained.
Slide Mtn Complex, green chert, argillite, tuff, basalt.
Slide Mtn Complex, Chert, argillite, calcarenite, sandstone.
Slide Mtn Complex, basalt, diabase, chert, arg, serpentine.
Earn Gp, slate (var graph, calc, pyritic), siltstone, sandstone, congl, porcellanite, dark grey lst, silic and baritic exhalite.
McDame Gp, lst, dolst, upper lt grey, platy lst, local karst; lower dolst, dk grey fetid lst, carb breccia.
Ramhorn Gp, dolomitic qtz arenite, quartzite, dolostone, lst.
Sandpile Gp (undiv), dolostone, dol sandstone, limestone, shaly dolostone, minor calcareous siltstone and shale.
Road River Fm, black, commonly limy slate, locally graptolitic; argillaceous limestone.
Kechika/ lower RR, siltstone, shale, arg lst, calc shale, lst.
Kechika Gp, limestone, arg lst, calc slate, calc phyllite, pyritic and carb slate and shale.
Rosella Fm, lst, dolst, calc shale, brown and green slate.
Boya Fm, qtz sandstone, siltstone, slate and phyllite.
Stelkuz and Boya Fms (undiv), quartzitic sandstone, quartzite, congl, siltstone, slate and shale.
Espee Fm, limestone, sandy lst, dolostone, grey slate.
Swannell & Tsaydiz Fms (undiv), ser and chl phyllite, schist, calc phyllite, siltstone, mic quartzite, mica schist and congl.
ERNA
NORMA
Reduced Property Boundary Post- Nov, 2012
Property Boundary Pre- Nov, 2012
Horn Property
Atna, 1997
146 silts
161 soils
Range Group
Amoco, 1983
306 soils
Ram Property
Hunter Exploration
1997
BX1 Claim
Atna, 1996
83 soils
Johnny Property
Caltor, 1971
Mag, VLF
JOHNNY
WINCO
Sky Claims
Amax, 1981
400 soils & silts
Turnagain Property
Hunter, 1997
78 silts, 199 soils
El Paso/ Kuhn, 1967-72
Prosp, Geochem, Tr, DD
ELIZA
HERB
MAY
EWE
CANYON
Union Carbide, 1977-79
Samp, Map, DD
BCarlin Resources Ltd
Figure 4
Blue Sheep Project
Geology and
Areas of Previous Work
Projection: UTM Zone 9 (NAD 83)
0
2.5
5
kilometres

Table 2. Geologic Formations

Lower Eocene:

MAJOR HART PLUTON

- granite, miarolitic in part; kaolinized feldspar-quartz porphyry; biotite-augite granodiorite

Lower Cretaceus:

CASSIAR PLUTONIC SUITE

CASSIAR BATHOLITH

- biotite, hornblende and biotite, muscovite granite, locally coarsely megacrystic; quartz monzonite, granodiorite, screens of metamorphic rocks

TURNAGAIN PLUTON

- strongly jointed, locally miarolitic and pegmatitic, biotite granite

Upper Devonian to Upper Triassic:

SLIDE MOUNTAIN COMPLEX

- Undivided, sedimentary and mafic volcanic rocks, may include minor diorite and gabbro; chert, argillite, slate, quartz arenite, limestone; tholeiitic basalt, locally pillowed, fine grained; hornblende diorite, gabbro, amphibolite, serpentine, peridotite, pyroxenite

Upper Devonian to Lower Mississippian:

EARN GROUP

- shale, black, grey and blue grey, locally pyritic; argillite; light green, tuffaceous (?) shale; porcellanite

Middle to Upper Devonian:

MCDAME GROUP

-Upper member, limestone, platy light grey, local karst breccia; Lower member, dolostone, dark grey, fetid limestone, carbonate breccia

Lower Devonian:

RAMHORN GROUP

-Upper member, laminated dolostone; Lower member, dolomitic sandstone, sandy dolostone, dolostone and sandstone

Lower Silurian:

SANDPILE GROUP

- dolostone, cherty dolostone, dolostone breccia

Lower Ordovician to Lower Silurian:

ROAD RIVER FORMATION

- Upper unit, graptolitic platy siltstone; Lower unit, black, pyritic, graptolitic slate; Undivided, black calcareous shale, slate, phyllitic slate, minor limestone, siltstone, pebble conglomerate

Upper Cambrian to Lower Ordovician:

KECHIKA GROUP

- argillaceous limestone, calcareous shale, limestone, shale, wavy banded silty limestone

Lower Cambrian:

ATAN GROUP

ROSELLA FORMATION

- limestone, dolostone, calcareous shale, brown, grey and green-grey shale

BOYA FORMATION

- quartzitic sandstone, siltstone, slate, phyllite, micaceous quartzite, mica schist, minor crystalline limestone

Upper Proterozoic:

INGENIKA GROUP

STELKUZ FORMATION

- interbedded chloritic sandstone, shale, limestone, phyllite: Includes distinctive green and maroon weathering members

ESPEE FORMATION

- crystalline limestone, sandy limestone, dolostone

SWANNELL and TSAYDIZ FORMATIONS (Undivided)

- Upper part, mainly sericite and chlorite phyllite, schist, calcareous phyllite and phyllitic limestone, siltstone; Lower part, mainly micaceous quartzite, mica schist and quartz pebble conglomerate

7.0 History and Previous Work

Known mineralization in the project area can be grouped into three principal types or styles based on metal assemblages and/or proximity to mapped intrusions:

1) Skarns containing scheelite with, or without, molybdenite, pyrite, pyrrhotite, galena, sphalerite, chalcopyrite or arsenopyrite, found near contacts of the granitic Cassiar Batholith or adjacent to small stocks of possible Eocene age.
2) Galena-sphalerite (and reported silver) in veins cutting highly kaolinized granite.
3) Vein, stockwork and/or replacement-style copper-silver mineralization hosted by calcareous sedimentary rocks, with no obvious intrusions nearby.

There are a number of these types of mineral showings located within the bounds of the property, however, some of them are held by pre-existing small claim blocks of 1 to 3 cell-size owned by others. Over the last 45 years, exploration programs have been undertaken by various companies within the area of the Blue Sheep property; some on the known showings and some following up regional geochemical anomalies. The historic reports that document this previous work are referenced in Section 11.0 and summaries of the exploration results are outlined below. The areas of the work and known showings are identified on Figure 4.

In the southeast part of the property, previous exploration focussed around the **Ewe** showings which, in 1997, were surrounded by the Turnagain property held by Hunter Exploration Group. In the Turnagain report, authored by Weber and Lehtinen (1997), the exploration history of that area is described as follows:

"Rip Van Mining Ltd worked on the Ewe claims from 1967 to 1969 and discovered 48 surface showings of tungsten and base metal mineralization. Between 1969 and 1971, El Paso Mining and Milling carried out prospecting, detailed geological mapping, ultraviolet lamp surveys, and a 14 hole diamond drill program of unknown total footage on the Ewe claims. Tungstate values from 0.15% to 0.20% over 5 to 33 metres were returned from a calc-silicate skarn horizon. Between 1970 and 1972, El Paso also carried out geological mapping, a soil geochemical survey (114 samples), and over 4000 metres of diamond drilling in twenty holes on the Herb showing, located 1.0 km north of Ewe. Results from the program are unavailable. At the Ewe showing in 1979, Union Carbide Canada Limited carried out detailed geological mapping, soil sampling surveys, and a 4 hole diamond drill program totalling at least 800 metres."

The BC MinFile report for the **Ewe** occurrence describes it as an area underlain mainly by rocks of the Upper Proterozoic Ingenika Group including crystalline and sandy limestone, dolostone, phyllite, schist, phyllitic limestone, siltstone, quartzite and conglomerate. Intruding these country rocks nearby is the Turnagain pluton, a member of the Early Cretaceous Cassiar Plutonic Suite, consisting of granite, quartz monzonite and granodiorite. The tungsten showings of the Ewe prospect consist of scheelite disseminated in skarn associated with granite intrusive. Part of the carbonate sequence has been altered to pyroxene hornfels and garnet-vesuvianite skarn which contains disseminated scheelite and "molybdo-scheelite" (Liverton, 1979).

The BC MinFile report for the **Herb** occurrence describes it as an area of undivided Upper Proterozoic sediments and metasediments and Lower Cambrian Boya Formation sediments and minor limestone. The Turnagain pluton, consisting of biotite granite, intrudes this package in the showing area. Galena and sphalerite occur as veins in highly kaolinized granite. Silver is also reported and limonite and manganese staining is widespread.

In the 1997 program for Hunter Exploration Group, a total of 18 man-days were spent prospecting and sampling the Turnagain property, mainly in the area north of the Herb showing and in an area of similar lithologies 6 to 8 km to the west. Twenty-one rock samples, 78 silt samples, and 199 soil samples were collected and analysed. Anomalous silver, lead, and zinc in silts were identified in the headwaters of Ewe Creek, upstream of the Herb and Ewe. This was attributed to sphalerite-galena veinlets hosted in small normal faults exposed in the ridges and drainages. Veinlets tend to be thin (<10 cm), and heavily oxidized, with calcite, quartz, and weak clay alteration. Soil samples from a portion of one line in the western exploration grid returned moderately anomalous Zn, Pb, Cu and Ag from an area of Rosella Formation limestone, but the source of the anomaly was not defined.

The **Eliza** showing (MinFile) is located 2.0 km northeast of Ewe within the same geological environment. Scheelite occurs with skarn at the base of a limestone-dolomite unit. Skarn minerals vary from garnet-bearing marble to garnet-diopside skarn with local sulphide concentrations. Joint-filling quartz carries the highest grade material as coarse scheelite crystals. Values of between 0.1 and 0.2 per cent WO_3 over 1 to 5 metres were typical of samples collected (Liverton, 1978). Some scheelite was also noted as disseminations in unaltered dolomite about 500 metres southeast of the quartz vein- hosted scheelite. About 350 metres further to the southeast, silver-bearing galena mineralization occurs in a 0.5-metre wide pyrolusite vein. Southwest of the skarn-hosted scheelite are quartz veins in schist near a quartz monzonite contact, carrying up to 10% WO_3 (estimated) in veins up to 0.5 metres wide. Fine-grained flakes of molybdenite were discovered in the Cassiar Batholith, about 500 to 600 metres south-southwest of the quartz vein-hosted scheelite, over an area of about 150 by 300 metres.

The **May** showing (MinFile) is located 3.0 km east-northeast of Ewe within the same geological environment. Skarns in the area are described as occurring at the contacts of carbonate units, consisting of dense garnet-pyroxene skarn interbedded with aphanitic calc-silicate hornfels and garnet-bearing marble. Pyrrhotite lenses are often found in the dense skarns. Scheelite mineralization occurs mainly as disseminations in the skarns and dolomites and to some extent in intrusive dikes, as well as in veins (Kuhn, 1975). The May claims received work between 1974 and 1981, with the main work being done by Union Carbide in 1977 and 1979, with 898 metres drilled in 4 diamond-drill holes.

The **Johnny** occurrence, in the east-central part of the project area, is described in BC MinFile as being underlain by south-dipping carbonate rocks of the Lower Cambrian Atan Group which are overlain by phyllites of the Upper Cambrian to Lower Ordovician Kechika Group. The strata are intruded by a small Cretaceous (?) quartz-feldspar porphyry stock and associate dikes and sills. Intrusion of the stock has produced a doming of the sediments and an extensive zone of hornfels within the phyllites. Low sulphide garnet-diopside skarn and overlying cherty, light green to brown hornfels are exposed at the dolomite-phyllite contact immediately west of the stock.

Mineralization present at **Johnny** includes scheelite, molybdenite, pyrite, pyrrhotite, galena, sphalerite, chalcopyrite, powellite, arsenopyrite and rhodochrosite. Scheelite and powellite occur within light green skarn, garnet skarn and magnetite skarn, concentrated in a 200 metre by up to 35 metre wide zone. Molybdenite occurs as disseminations and streaks within light green and brown cherty hornfels, as flakes along narrow fractures in the hornfels and as trace disseminations in skarn. Galena, sphalerite and pyrrhotite occur in diopside-quartz veins within dolomite and in discontinuous pods with pyrite and chalcopyrite along the phyllite-dolomite contact. Pyrrhotite is common throughout all the rock units but is most abundant within the phyllitic and cherty hornfels as disseminations, veinlets and massive pods. Chalcopyrite blebs and veinlets are commonly associated with the massive pyrrhotite pods and are locally present within the dolomite and cherty hornfels. Massive arsenopyrite was observed in float with pyrite, galena, sphalerite and quartz. Rhodochrosite occurs in vertical, black weathering carbonate veins with minor disseminated sphalerite, chalcopyrite, arsenopyrite and galena.

The Caltor Syndicate held the **Johnny** claims in 1971 and performed geological, magnetometer and EM16 electromagnetic surveys in the area of skarn showings (Ogilvy, 1971). The highest-grade lead mineralization of five samples from the showing assayed 14.6 opt Ag, 7.5 % Pb, 1.23% Cu and 0.26% Zn. The highest zinc mineralization assayed 4.32 % Zn, 5.85 % Pb, 3.0 opt Ag and 0.14% Cu. Amax held the ground in 1981 as the **Sky** claims, collecting 380 soil, 21 silt and 31 rock samples (Bentkowski & Hitchins, 1981). The program outlined a 200 metre by 35 metre scheelite, molybdenite and powellite mineralized skarn zone for which an average grade of 0.5 % W03 + MoS2, over a 5m width was estimated. Amax also soil sampled a breccia zone approximately 1.5 km to the north, where galena, sphalerite and pyrite were found in intensely altered "dolostone" fragments of the breccia. Highly anomalous Pb, Zn and Ag analyses were obtained in soils. Atna Resources Ltd explored the same area of the dolostone breccia on their **BX1** claim in 1996 by grid soil sampling (83 soils), prospecting (13 rocks) and mapping (Schmidt, 1996). The sampling and mapping outlined 5 geochemically anomalous areas within the hydrothermally altered breccia zone; however, the mineralization that was observed did not appear to explain the extent of the anomaly.

The **Horn** Property, in the central part of the project area, was explored by Atna Resources in 1997 to evaluate areas of regional stream sediment anomalies from a 1996 government release (Schmidt, 1997). Exploration included stream sediment and soil geochemical sampling, prospecting and reconnaissance mapping. Totals of 146 silt, 161 soil and 44 rock samples were collected. The sampling confirmed highly anomalous multi-element stream sediment values. The south end of the sampling area is underlain by Earn Group shales which are favourable host rocks for SEDEX-style Pb-Zn-Ba mineralization. The distribution of various anomalies in silts and soils reflect different lithologies on the west and east sides of the main drainage. Tributaries from the southwest are characterized by Pb and As anomalies while tributaries from the east and north-east are sites of anomalous Zn, Ag and Ba. The Zn, Ag and Ba anomalies are located in areas mapped as Slide Mountain Terrane but this geochemical signature may indicate that Earn Group lithologies extend farther north than mapping indicates and may be underlying the lower elevations. Additional grid soil sampling, mapping and follow-up of strong anomalies was recommended (Schmidt, 1997); however, there is no record of this work being done.

The **Range** Group of claims, in the west-central property area, was explored by Amoco in 1983 (Miller, 1983). Reconnaissance mapping and soil sampling (306 samples) over about 2 square kilometres revealed five areas of moderately to strongly anomalous Cu-Pb-Zn geochemistry underlain by sediments and volcanics of the allochthonous Sylvester Group. High Cu values in several areas typically range from 200 to 500 ppm, Pb from 120 to 800 ppm (up to 4600 ppm) and Zn from 230 to 1000 ppm (up to 3300 ppm) with local Au highs greater than 20 ppb (up to 160 ppb). Minor amounts of sill-like mafic-ultramafic intrusive bodies of limited width were observed. Bedrock exposure in the grid area is only 10%, or less. There is no reporting of any mineralization that would explain the strong anomalies. In 1997, this area was re-staked as the **Ram** claims and briefly explored by Hunter Exploration as part of their Major Hart Project (Weber & Lehtinen, 1997). Twenty-nine rock samples, 11 silt samples, and 12 soil samples were collected, confirming the anomalous lead and zinc soil geochemistry defined by

Amoco. Prospecting at lower elevations around the Amoco grid uncovered one sphalerite-galena vein in a faulted, silicified zone that may have been responsible for some of the anomalous soil geochemistry in the area but large areas of strongly anomalous values remain to be explained. Additional prospecting and soil sampling was recommended.

The **Erna** and **Norma** occurrences in the northern part of the property are described in BC MinFile as both being underlain by Upper Silurian to Middle Devonian Ramhorn Group sedimentary rocks consisting of sandstone, dolomite and limestone. Tetrahedrite-bearing quartz veins are reported to occur in dolomite at both showings. At Erna, a sample across a 90 cm vein yielded 0.17 g/t gold, 2897.2 g/t silver and 4.8% copper. At Norma a sample across a 90 cm vein yielded a trace of gold, 2880.0 g/t silver and 7.6% copper. A "pyrite showing" of non-described character assayed trace gold, 17.1 g/t silver and 0.05% copper.

A relatively large claim block immediately west of the project area, that covers a much of the Major Hart pluton, was explored for Rare Earth elements by Silver Grail Resources in 2010 (Barker, 2011). Twenty stream sediments and 15 heavy mineral samples were collected from 14 drainages cutting the pluton. Strongly anomalous values for tin, tungsten, niobium, fluorine, and Rare Earth elements were returned from an area where the granitic pluton is in contact with older ultramafic rocks.

8.0 Stream Sediment Sampling

The 2012 reconnaissance stream sediment sampling was carried out by employees of C.J. Greig and Associates between June 12 and 27, 2012, within a number of selected creeks throughout the area of the property. The objective of the sediment sampling was to test for elevated metal values originating from favourable host rocks which, in several of the drainage basins, consist of Devono-Mississippian Earn Group shale or Slide Mountain Group volcanic and sedimentary rocks. Skarn mineralization is known to occur on the property in carbonate units near intrusive contacts, but this style of mineralization was generally not targeted by the sampling.

Stream sediment samples were mainly comprised of silt, sand and gravel, collected from the active channels of the drainages. In high-velocity streams where insufficient silt was available for collection from the stream bed, moss mat samples containing trapped silt were collected from the stream banks. This material represents fine sediment that was deposited during high water flooding when water overflowed the channel banks. Some stream beds were dry, so silt from the channel bottom or overbank sediment was collected. A total of 213 silt and moss mat samples were collected from 11 separate stream branches in an exploration area measuring approximately 30 km long by 10 to 15 km wide. The sampled streams were chosen, in large part, to test areas outside of the known mineralized showings or previously-defined anomalies. Samples were collected about every 200m to 300m along the drainages, over stream lengths ranging from 1.5 to 4.5 km, as well as from tributary streams entering the main channel.

Stream sediment stations were marked with sample-numbered flagging and UTM co-ordinates were recorded for each station using hand-held Garmin GPS units. Samples were placed in mesh fabric Hubco bags marked with identifying numbers, transported back to base camp and laid out to dry on racks in a drying tent for a minimum of two days.

Some of the dried samples were analyzed in base camp with a Thermo Scientific Niton Gold XL3t 500 GOLDD™ handheld X-Ray Fluorescence (XRF) Analyzer unit. The unit was operated in the 'benchtop' mode, instead of the 'handheld' mode by attaching to a test stand, and connected to a laptop computer to which results were downloaded. A representative sample split was removed from each Hubco bag and transferred into a Kraft bag containing a bar-coded sample number tag. This was done to maintain consistency of container bag material analyzed as well as to ensure the sample material would fit in the test stand.

Prior to each XRF analysis, the sample tag was scanned with a barcode scanner that automatically recorded the sample number in the computer. The sample, in the Kraft bag, was then placed on the test stand and centered on the probe window; the test stand lid was then closed and locked, which protected personnel from X-rays and ensured compliance with Canada Federal Regulations. The analyzer was then run in "Soils" mode for 30 seconds, reading three separate "filters" of elements, at 10 seconds per filter. The three "filters" provided analytical values for a total of 33 elements. Data was automatically recorded, saved directly to the analyzer and simultaneously downloaded to the computer. For every 30 samples analyzed, a Canadian Certified Standard, named "Till-4", was analyzed for quality control, to check for drift in the readings. XRF data was compiled in an Excel spreadsheet and then merged with GPS locations for all the samples to allow entry of the sample data into MapInfo GIS computer software.

The resulting data from the handheld XRF unit was particularly useful in identifying anomalies and allowing for follow-up within a short time frame in the field. It is however, important to note that XRF analysis is not meant to replace formal laboratory analyses and the data provided by the XRF varies in its accuracy for different elements and different sample types. It has been determined from other field programs that the handheld XRF readings for certain elements have shown good to excellent correlation with results from lab analyses. It is particularly useful for soil and stream sediment sample programs, where the detection limit and range of the XRF instrument is typically within the range necessary for identification of geologically significant values for base metals and important pathfinder elements. Some of the base metals that have shown good correlation of results include lead, zinc, copper and arsenic. Other elements have a high detection limit which in many cases is too high to adequately represent anomalous areas of interest. The main elements that provided useful information to guide exploration of the Blue Sheep project were Zn, Pb, Ba, As, Cu, Mo, Ni, Fe and Mn. Elements that have XRF detection limits that are too high to be useful include Ag, Au, Cd, Cs, Hg, Pd, Sb, Sn, Te and W.

At the end of the sampling program all of the samples were packed into plastic bags, which were packed into sacks, secured, addressed and shipped by courier to the offices of C.J.Greig & Associates in Penticton, BC. The remaining samples that had not been analyzed in camp were analyzed by the same XRF methods at the office in Penticton. All XRF analytical values for stream sediment samples were compiled in Excel spreadsheets and are attached in Appendix I, Part A.

After compilation of all the analytical values and evaluation of the results it was determined that most of the streams that had been sampled returned anomalous values for one, or more, elements. Therefore, the decision was made to send all of the stream sediment samples to ALS Chemex Laboratories in North Vancouver for Au and 35-element ICP analysis. The objective was to determine the accuracy of the various element values analyzed with the XRF unit and to receive values for some of the elements that have an XRF detection limit that is too high for useful readings; in particular gold and silver values.

A total of 212 stream sediment samples were packed into plastic bags, placed into sacks and shipped to ALS Chemex where they were sieved and the -80 mesh fraction separated for analyses. Gold analysis involved fusing a 30 gram portion by fire assay in a furnace, then dissolving the bead in aqua regia and analyzing the solution by Atomic Absorption Spectroscopy (AAS), with a detection limit of 5 ppb Au. As well, a suite of 35 elements was analyzed for each sample by dissolving a 0.5 gram portion in aqua regia and using ICP-MS and ICP-AES techniques to determine the element concentrations. The Au and ICP analytical results for the 212 stream sediment samples are attached in Appendix I, Part B.

8.1 Stream Sediment Geochemical Results Evaluation

The 2012 stream sediment sampling undertaken within the extensive area of the Blue Sheep project focussed on several specific target areas, but large gaps remain to be sampled throughout the property within equally favourable geologic settings. The samples were analyzed by both XRF and ICP methods and all results are appended, however, only the ICP results have been plotted on maps. Maps have been produced at 1:100,000 scale, for both the north and south halves of the property, which show the underlying geologic units as well as all sediment sample sites marked by coloured symbols that designate anomalous values. Maps have been made for ten of the elements analyzed; Ag, Pb, Zn, Ba, Cu, Au, As, Mo, Ni and Fe (Figures 5-26).

Anomalous categories were determined for each element and they are represented by variously sized and coloured symbols on the individual plots. For each element, three symbol sizes, coloured red, orange and yellow, designate the anomalous values, with deceasing sizes representing strongly, moderately and weakly anomalous categories. These three categories approximately constitute the upper 97^{th}, 94^{th} and 91^{st} percentiles of the values. As well, smaller green symbols represent the 80^{th} percentile, which may represent high background values and are a useful indicator of weak enrichment, perhaps associated with specific rock types. Legends indicating the ranges of values for each anomalous category are shown on the geochemical maps for every element.

Regional geology, based on mapping by Massey et al. (2005), is shown on the geochemical maps to illustrate a possible correlation between anomalous elements and specific rock types or styles of mineralization. For example, anomalous values downstream from an area of carbonate rocks in contact with an intrusive body could be speculated to be caused by skarn mineralization and followed up accordingly.

The stream sediment sampling program was successful in defining several areas of geochemical anomalies. Due to the large size of the property, detailed plots of the 2012 stream sediment sampling results were divided into two map areas (north and south halves), for which the results are discussed below. As well, sample location maps are included that show the claim outlines and tenure numbers to indicate on which claims the assessment work was carried out.

North Half Map Area (Figures 5-15)

Sampling in the north half covered areas of Upper Cambrian to Mississippian sedimentary and carbonate rocks, as well as allochthonous units containing sedimentary and volcanic strata. Two streams draining the older cratonal rocks in the northwest and south-central parts of the map area returned multi-element anomalies that appear to be sourced in Earn Group shale and possibly in underlying carbonate rocks. Anomalous elements include Ag, Zn, Ba, Mo and weak Ni. This geochemical signature is similar to that seen in other areas underlain by Earn Group shales and may be caused by stratiform, SEDEX-style mineralization. The strongly anomalous Ba values in the northern drainage suggest potential there for stratiform barite. There may also be vein or replacement style mineralization in underlying McDame limestone or Ramhorn arenite, based on the dispersion of anomalies across these units.

In the northwest corner of the map area two streams draining the Slide Mountain volcanic assemblage, that both source from the same area, returned anomalous Cu, Au, As, Ba and Fe. This geochemistry suggests vein mineralization that may contain chalcopyrite and arsenopyrite with associated gold values. There are several Au values of 20 to 31 ppb that coincide with high Cu values near the headwaters of the streams, suggesting that the source could be near the height of land between the streams. The highest Au value of 181 ppb is downstream to the north and may represent a placer concentration in the stream gravel. Possibly similar Cu-Ag bearing vein showings are known about 5 km to the southeast within Ramhorn dolomite at the Erna and Norma occurrences. The Slide Mountain host rocks are known to contain chert horizons that may be exhalative in nature with possible associated stratiform barite to explain the high Ba values.

In the southeast part of the map area a moderately anomalous As value occurs within Kechika limy sedimentary rocks. The arsenic high is not extensive and there are no other accompanying anomalous elements, so this is a low priority target.

There is no record of previous work being undertaken in any of the areas of geochemical anomalies. Additional exploration in the drainage basins of the anomalies is definitely warranted.

<u>South Half Map Area</u> (Figures 16-26)

On the east part of the south map sheet, sampling within older stratigraphic units returned several Ag and Pb anomalies. In the central area a north-trending drainage underlain by Rosella limestone and limy sediments, with adjacent Kechika limy sediments, may contain Ag-bearing galena veins, replacement or skarn-type mineralization. Skarn and vein mineralization occur in a similar geologic setting, next to a small stock, at the Johnny showing, 3 km to the northwest.

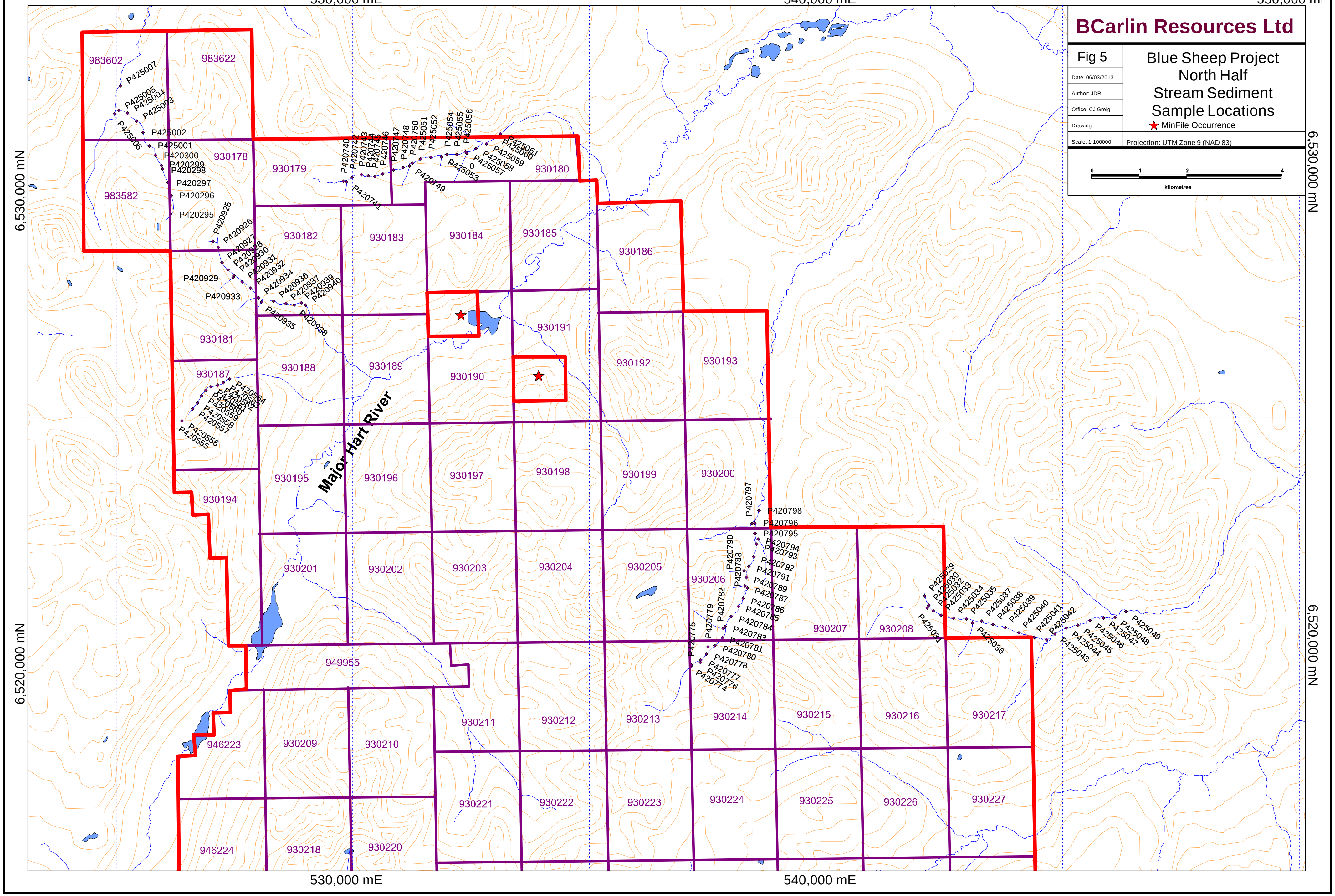
Six kilometres east of the previous target, Ag-Pb anomalies originate from an area underlain by the Turnagain pluton. This area of interest is 4 km north of the Herb showing, which consists of silver-bearing, galena-sphalerite veins in kaolinized granite, so it is probable that it is of similar nature.

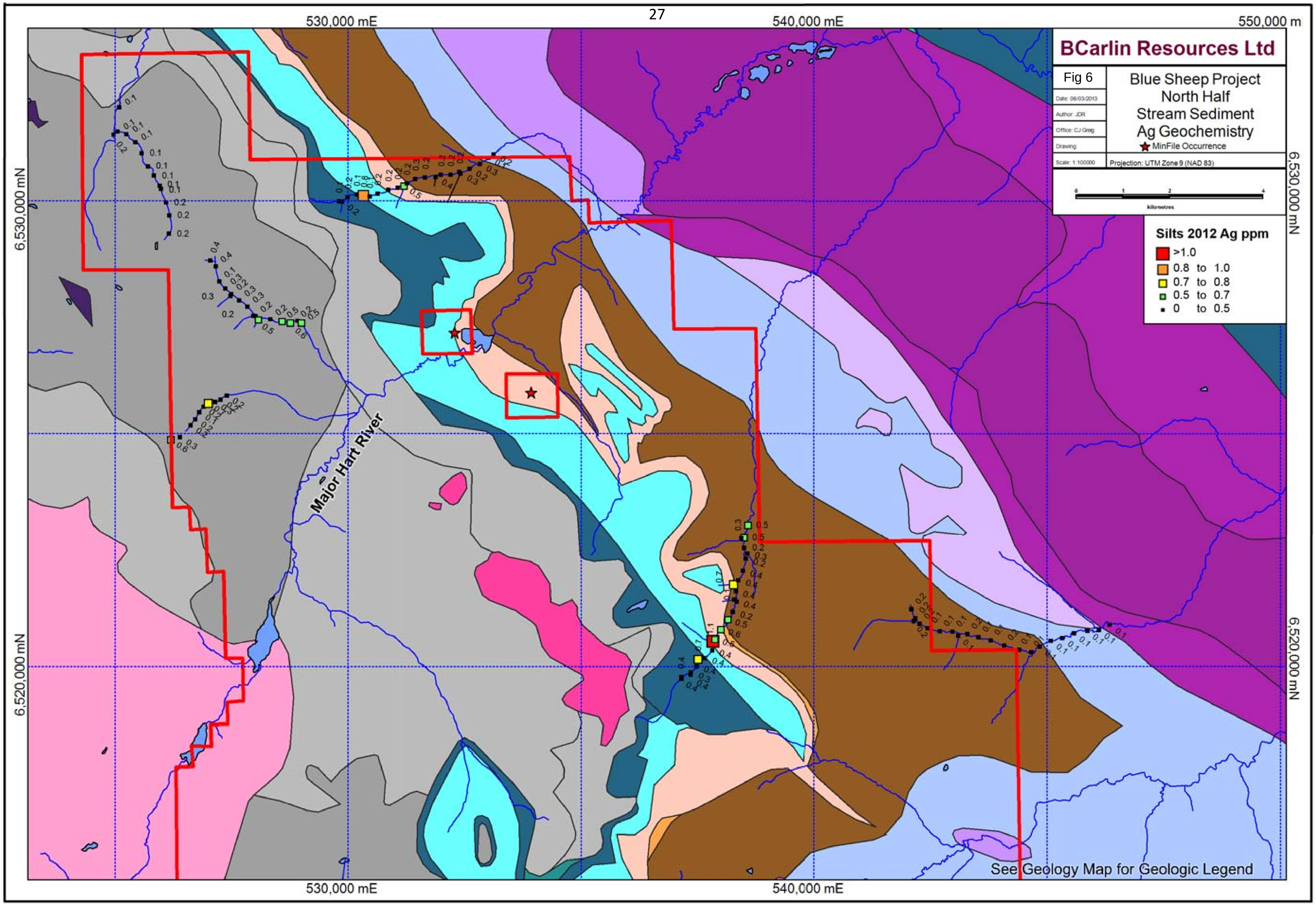
In the south-central part of the map area an east-trending stream originates in Slide Mountain rocks and then flows through Earn Group shale and McDame limestone. Anomalous elements seem to be divided between the two different geological terranes. In the volcanic assemblage of the upper drainage Cu and Fe are anomalous. Farther downstream anomalous Ag, Zn, Ba and Ni are more indicative of possible stratiform shale-hosted mineralization of the Earn Group shale.

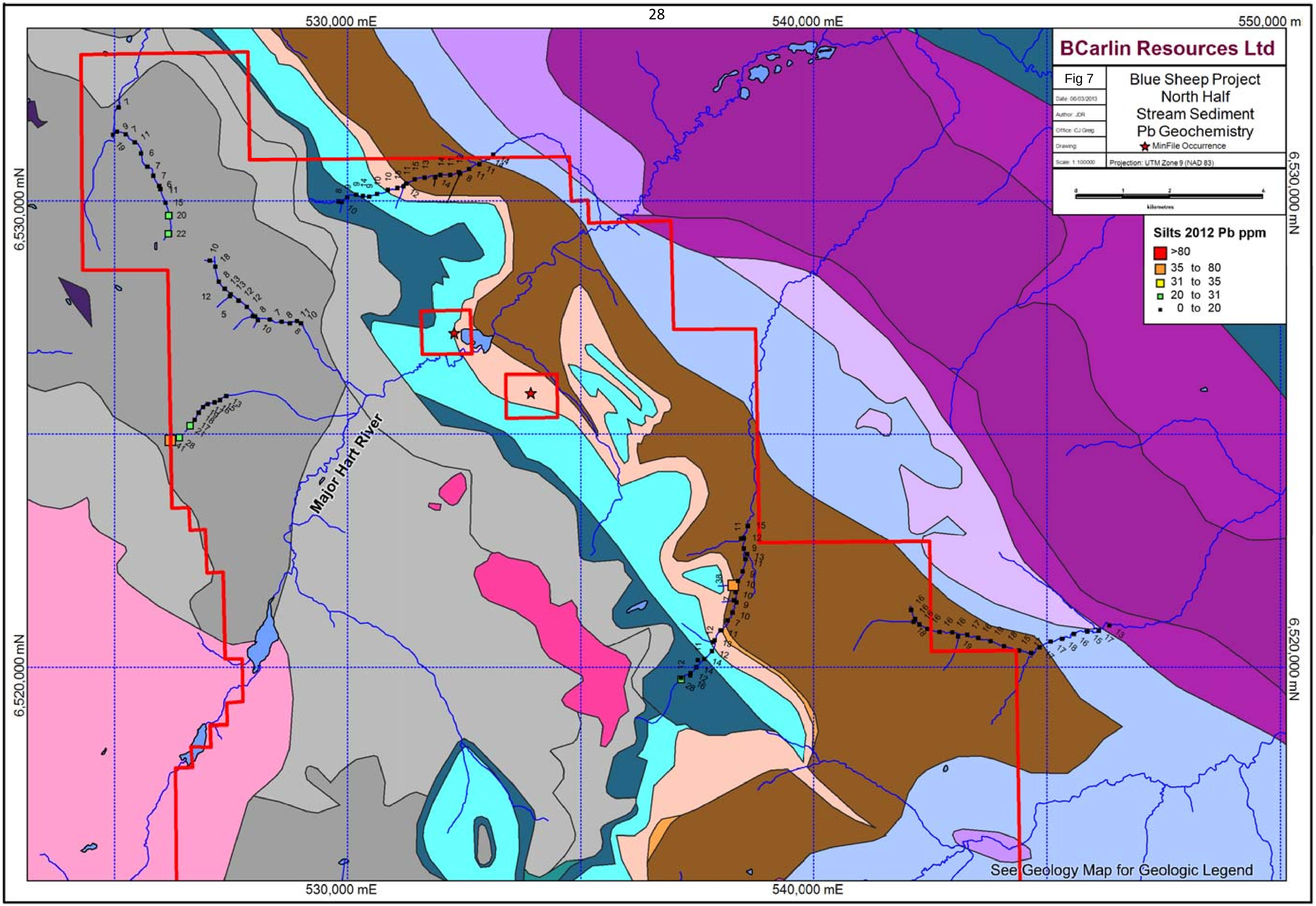
Westward-flowing streams in the west part of the map area have returned strongly anomalous Pb, Cu, As, Ni and Fe with weak Au, from Slide Mountain volcanic-sedimentary terrane. This geochemical signature would suggest vein type mineralization; however, volcanogenic massive sulphide (VMS) deposits are also known to occur within Slide Mountain rocks elsewhere in the area, such as the Lang Creek occurrence south of Cassiar BC, where a small deposit of 27,000t grading 1.52% Cu, 0.9 % Zn over 1 m width was drill defined by Cominco in 1961 (MinFile No. 104P 008). In the northwest part of the map the upper section of the northernmost sampled drainage is underlain by McDame limestone and perhaps by Earn Group shale. Samples from this area returned anomalous Zn, Cu, Au, As, Mo, Ni and Fe with lesser Pb and Ag. These samples are located close to the thrust contact of overlying Slide Mountain rocks which may be a favourable locale for vein-type mineralization such as that found in the Cassiar camp, located about 90 km to the northwest.

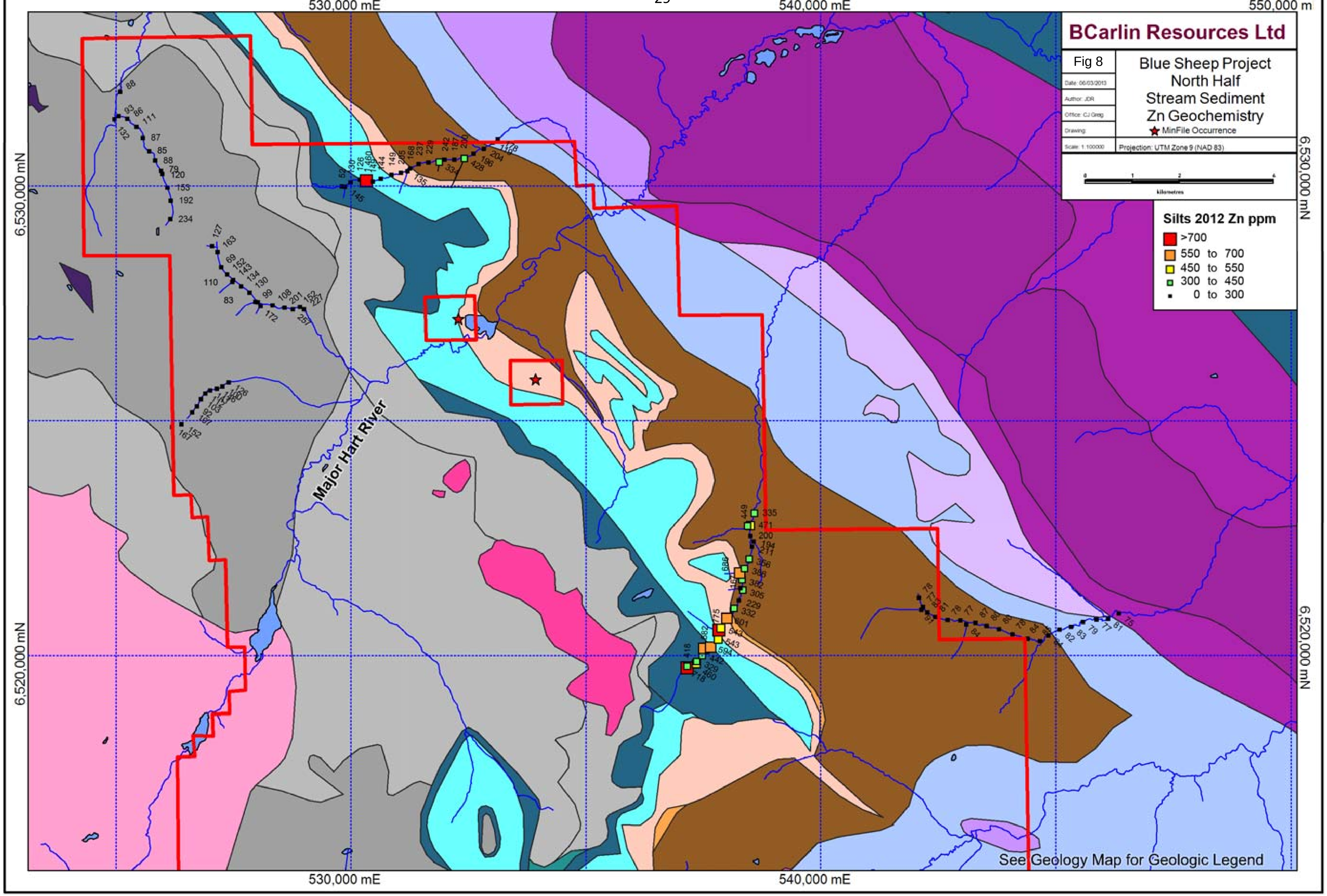
Gold-bearing quartz veins in the Cassiar camp are hosted almost exclusively by ophiolitic crustal volcanic rocks and mantle-derived metamorphic rocks of the Sylvester allochthon, along a terrane collisional suture zone. This suture is inferred by the presence of pervasively listwanite-altered ultramafic rocks within the imbricated zone of vein mineralization (Diakow and Panteleyev, 1981). The best developed veins in terms of thickness and continuity are hosted by competent metabasaltic volcanic rocks. Vein thickness and continuity is generally poorly developed in the ultramafic rocks, however the highest gold grades are found in quartz veins immediately adjacent to listwanite-altered ultramafic. The age of the Cassiar gold veins has been placed at 134 Ma (Layer and Drake, 1997) and there is no defined magmatic episode of that age that would be coeval with the mineralization. It is theorized that hydrothermal fluids that deposited the gold may have travelled from a buried intrusion along re-activated thrust faults, beneath an impermeable cap of sedimentary rocks.

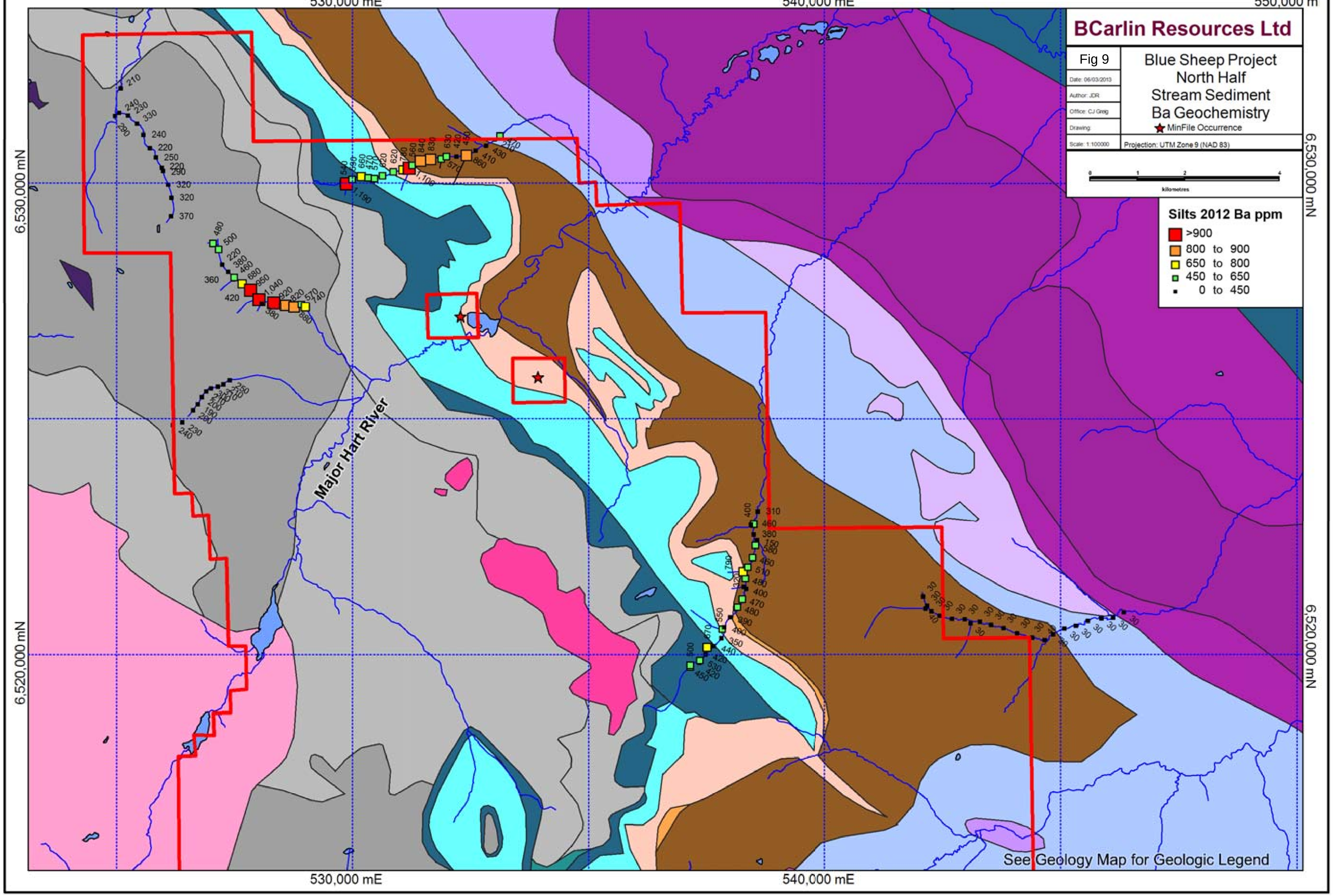
Some of the sediment sampling on the west side of the property is close to the contact with the Major Hart Pluton of Eocene age, which is known to be enriched in various metals, such as tin and tungsten, that may have been concentrated into deposits of mineralization along its contact. Areas of ultramafic rocks near this contact are thought to have provided especially favourable chemistry for deposition of mineralization (Barker, 2011).

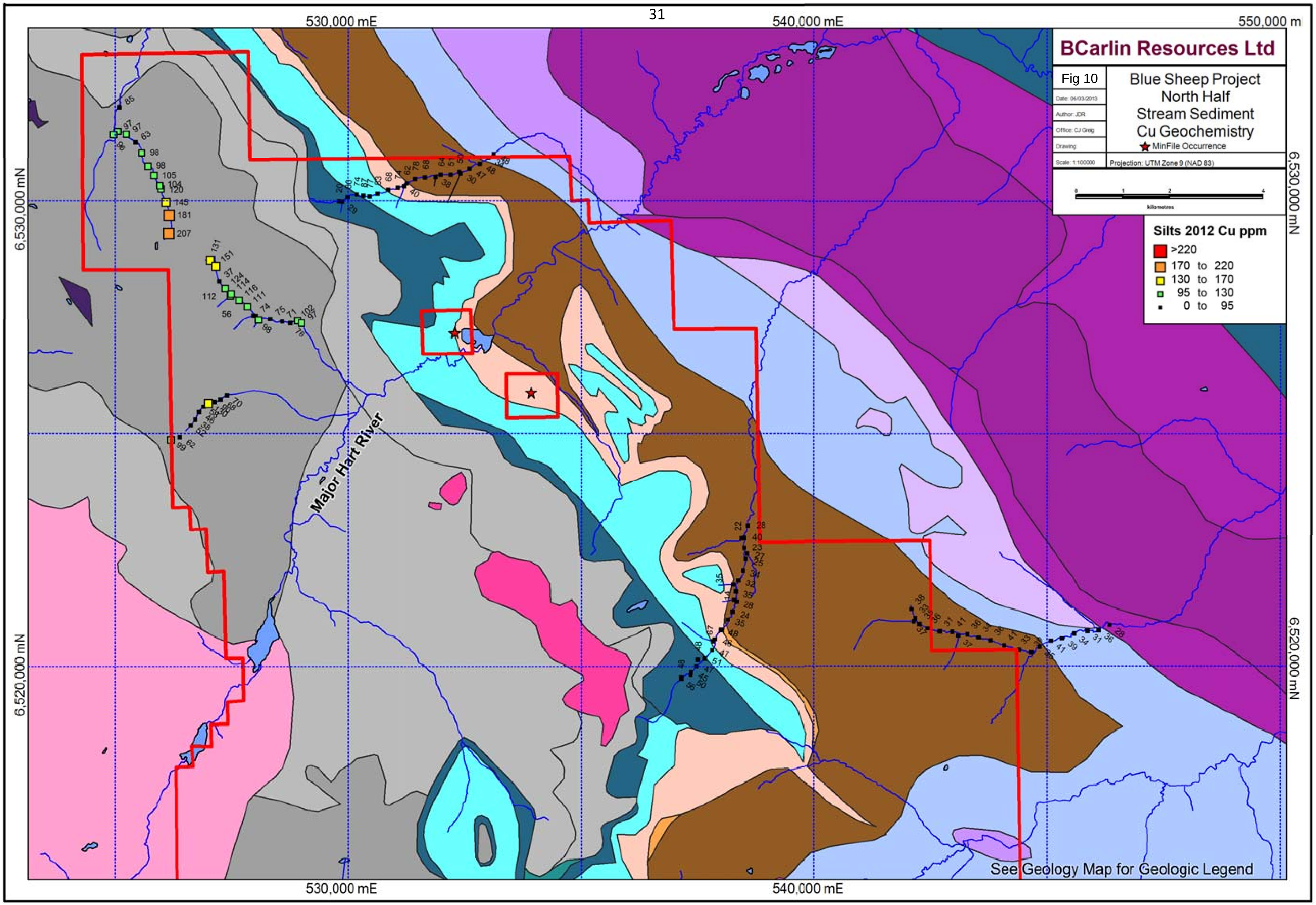

BCarlin Resources Ltd
Fig 5
Blue Sheep Project
North Half
Stream Sediment
Sample Locations
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
530,000 mE
540,000 mE
550,000 mE
6,530,000 mN
6,520,000 mN
Major Hart River
983602
983622
983582
930178
930179
930180
930181
930182
930183
930184
930185
930186
930187
930188
930189
930190
930191
930192
930193
930194
930195
930196
930197
930198
930199
930200
930201
930202
930203
930204
930205
930206
930207
930208
949955
946223
930209
930210
930211
930212
930213
930214
930215
930216
930217
946224
930218
930220
930221
930222
930223
930224
930225
930226
930227
P425007
P425002
P425001
P420300
P420299
P420298
P420297
P420296
P420295
P420929
P420933
P420935
P420938
P420797
P420798
P420796
P420795
P425049
P425043

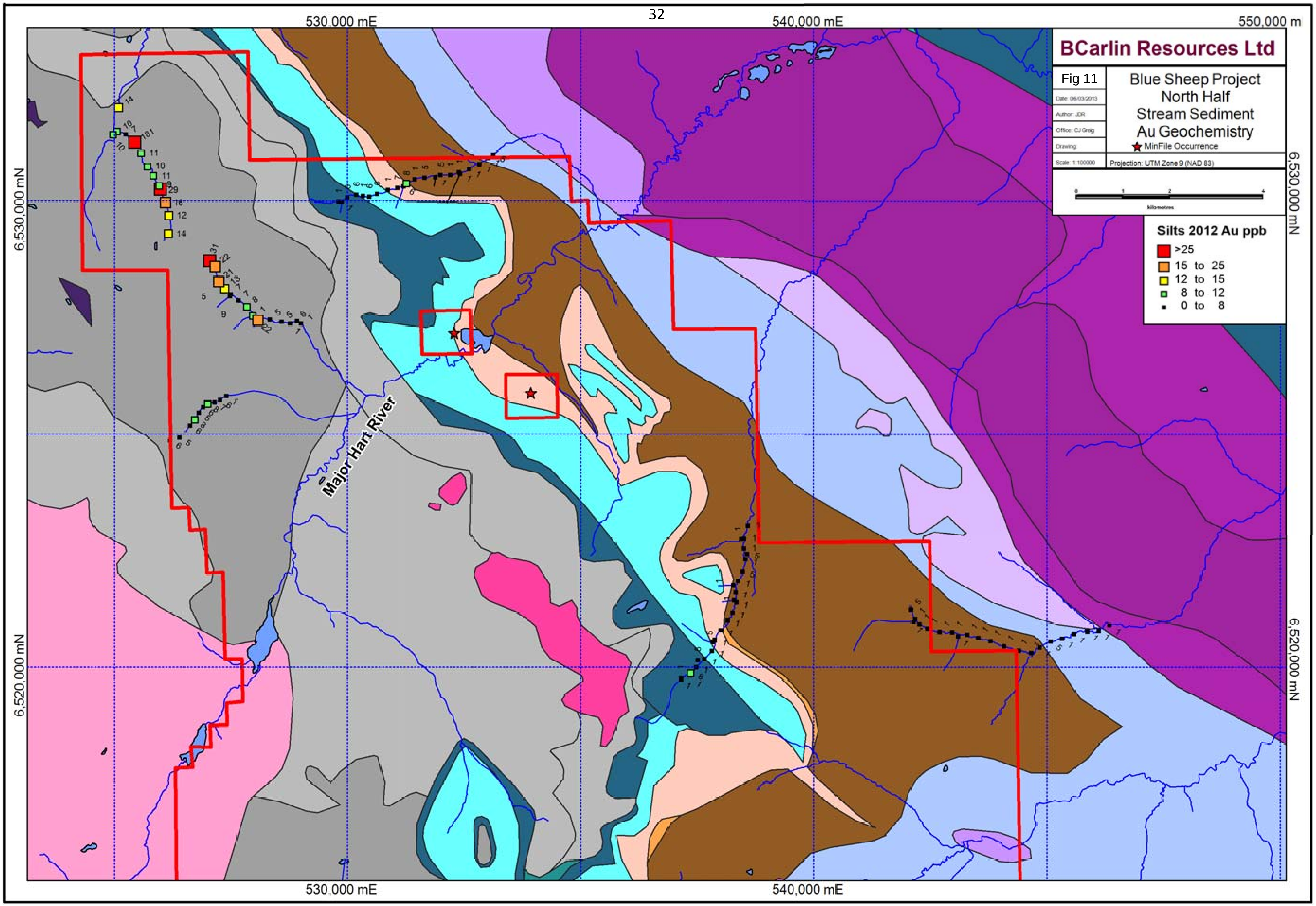

BCarlin Resources Ltd
Fig 6
Blue Sheep Project
North Half
Stream Sediment
Ag Geochemistry
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greg
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Ag ppm
>1.0
0.8 to 1.0
0.7 to 0.8
0.5 to 0.7
0 to 0.5
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend


BCarlin Resources Ltd
Fig 7
Blue Sheep Project
North Half
Stream Sediment
Pb Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Pb ppm
>80
35 to 80
31 to 35
20 to 31
0 to 20
Major Hart River
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
See Geology Map for Geologic Legend

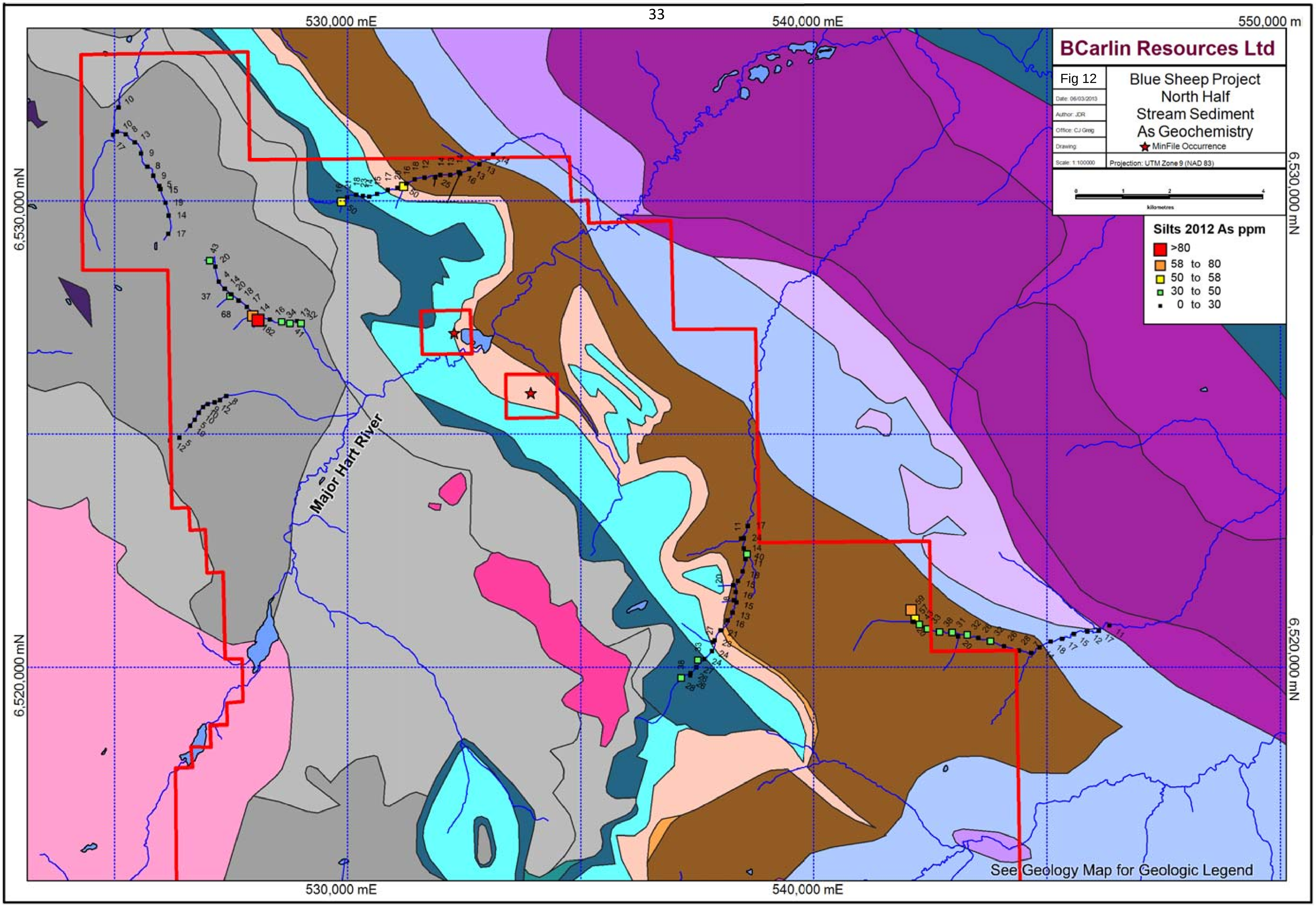

BCarlin Resources Ltd
Fig 8
Blue Sheep Project
North Half
Stream Sediment
Zn Geochemistry
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Zn ppm
>700
550 to 700
450 to 550
300 to 450
0 to 300
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend

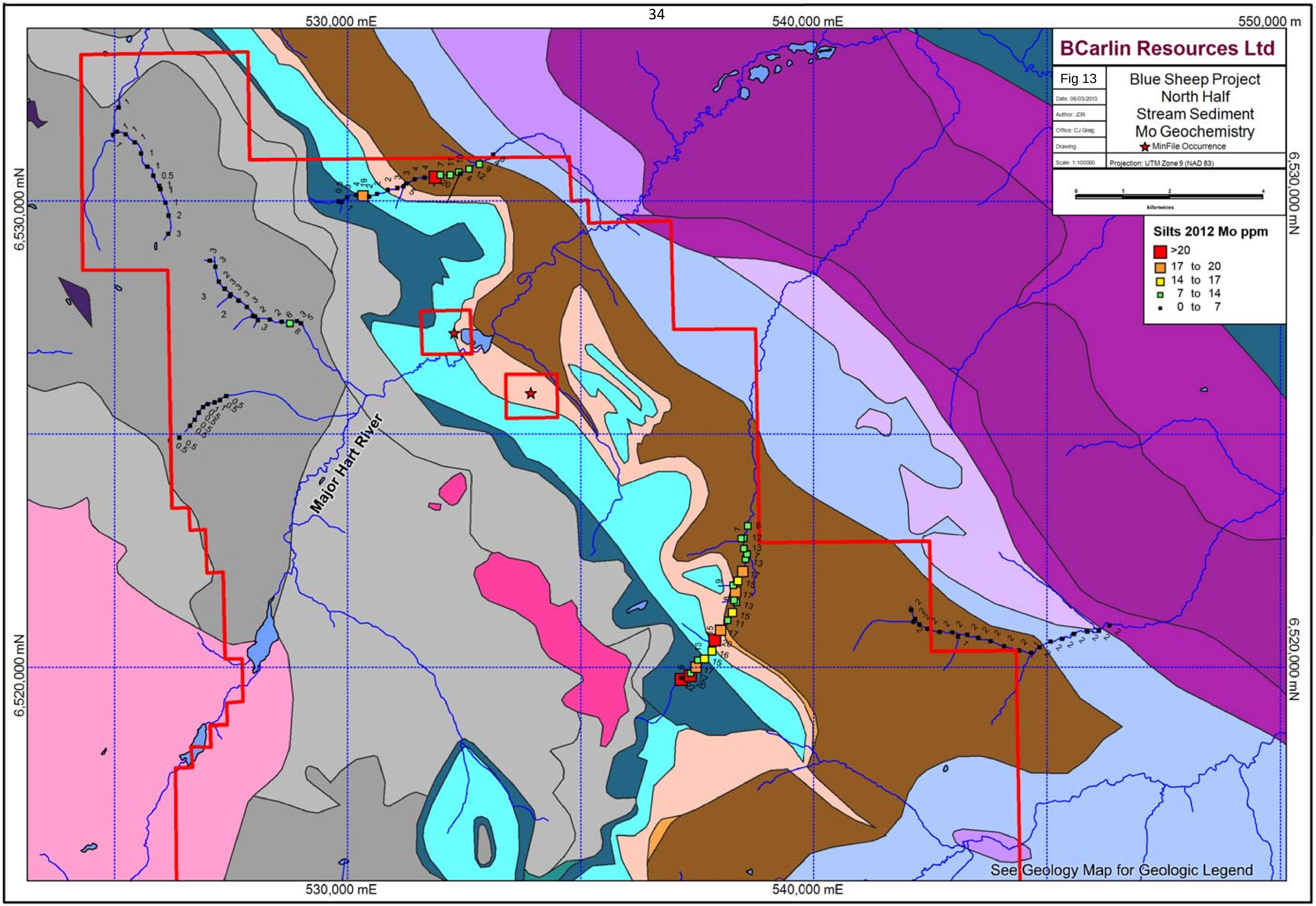

BCarlin Resources Ltd
Fig 9
Blue Sheep Project
North Half
Stream Sediment
Ba Geochemistry
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
0 1 2 4
kilometres
Silts 2012 Ba ppm
>900
800 to 900
650 to 800
450 to 650
0 to 450
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend

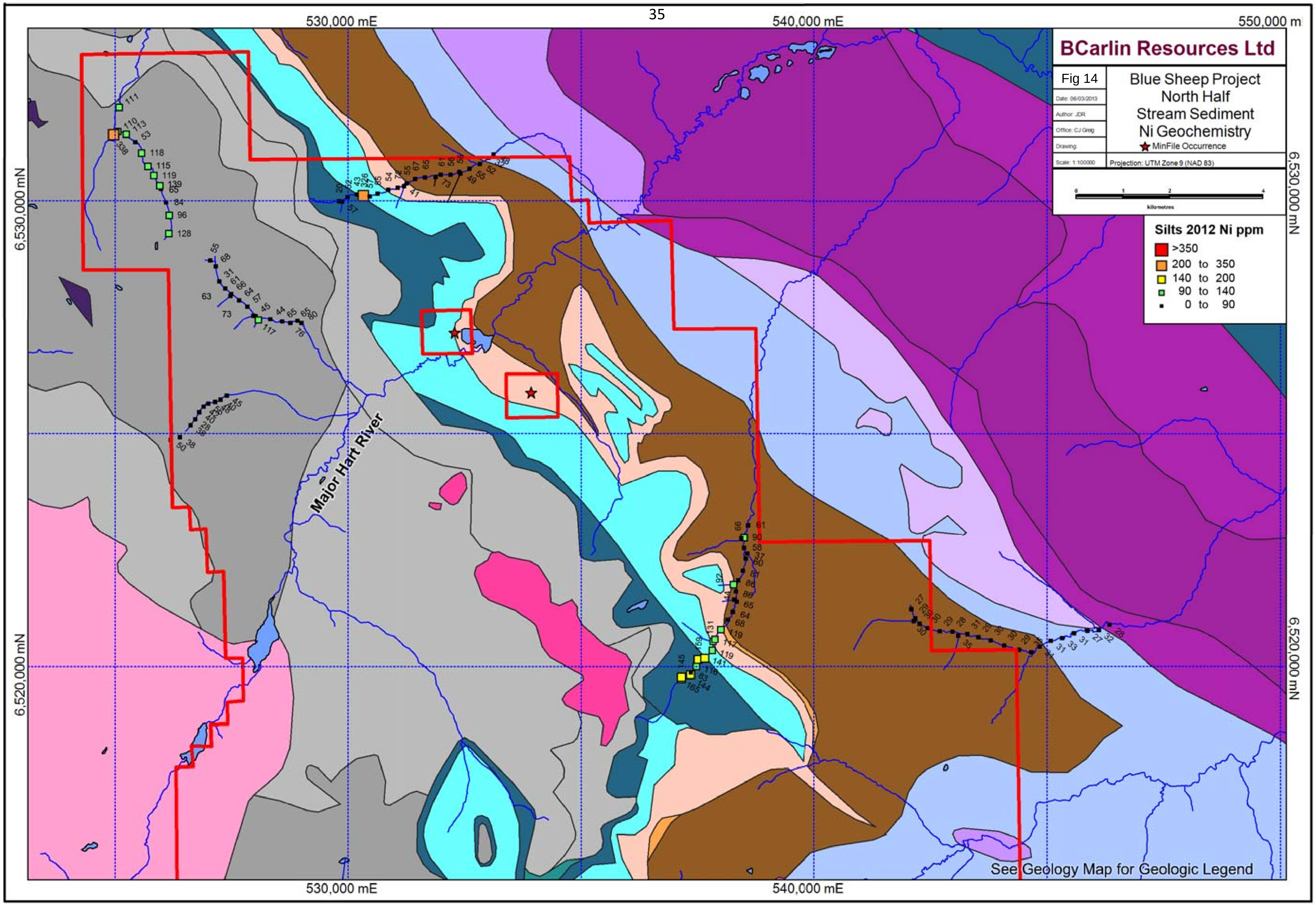

BCarlin Resources Ltd
Fig 10
Blue Sheep Project
North Half
Stream Sediment
Cu Geochemistry
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Cu ppm
>220
170 to 220
130 to 170
95 to 130
0 to 95
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend

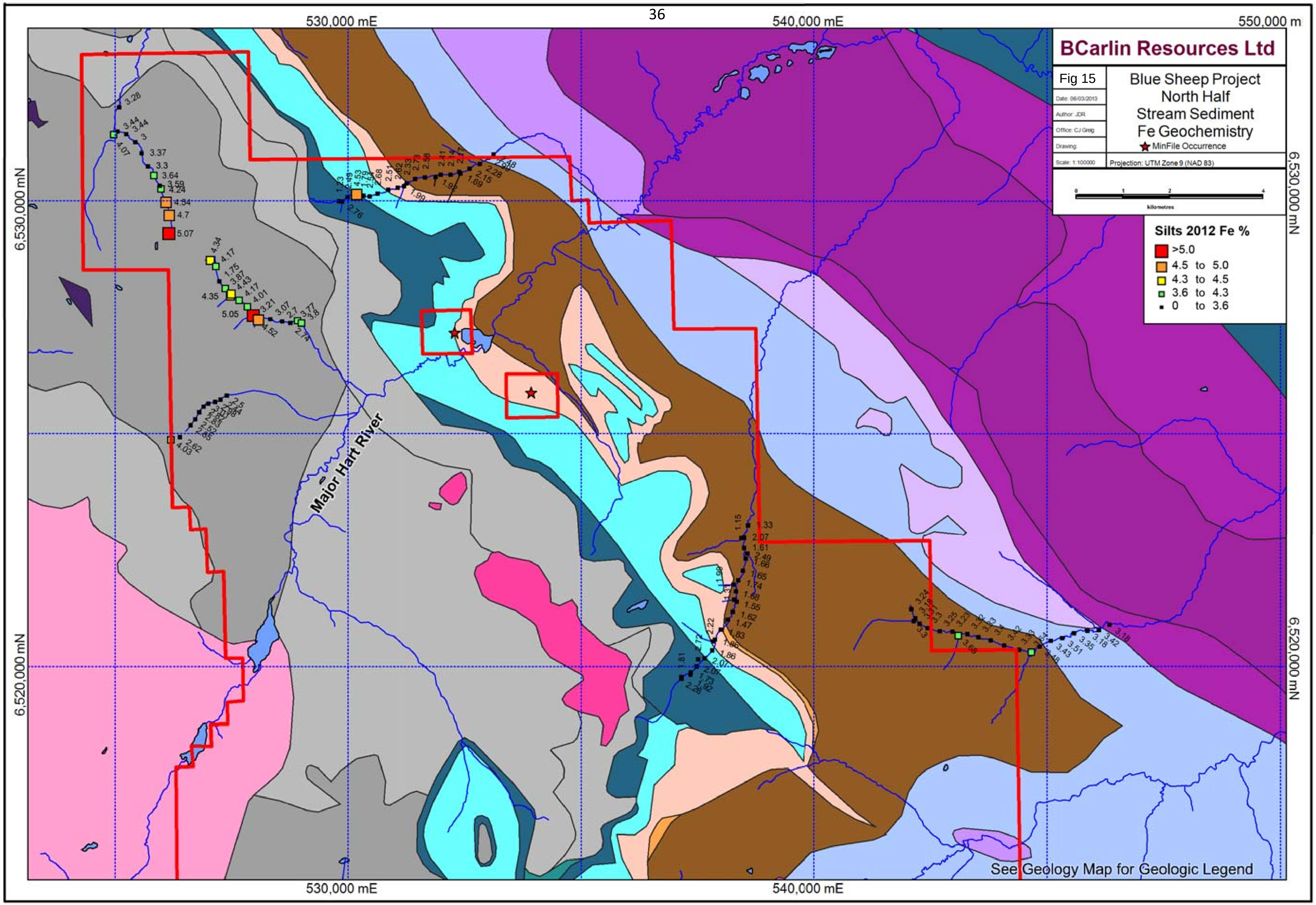


BCarlin Resources Ltd
Fig 11
Blue Sheep Project
North Half
Stream Sediment
Au Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Au ppb
>25
15 to 25
12 to 15
8 to 12
0 to 8
Major Hart River
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN

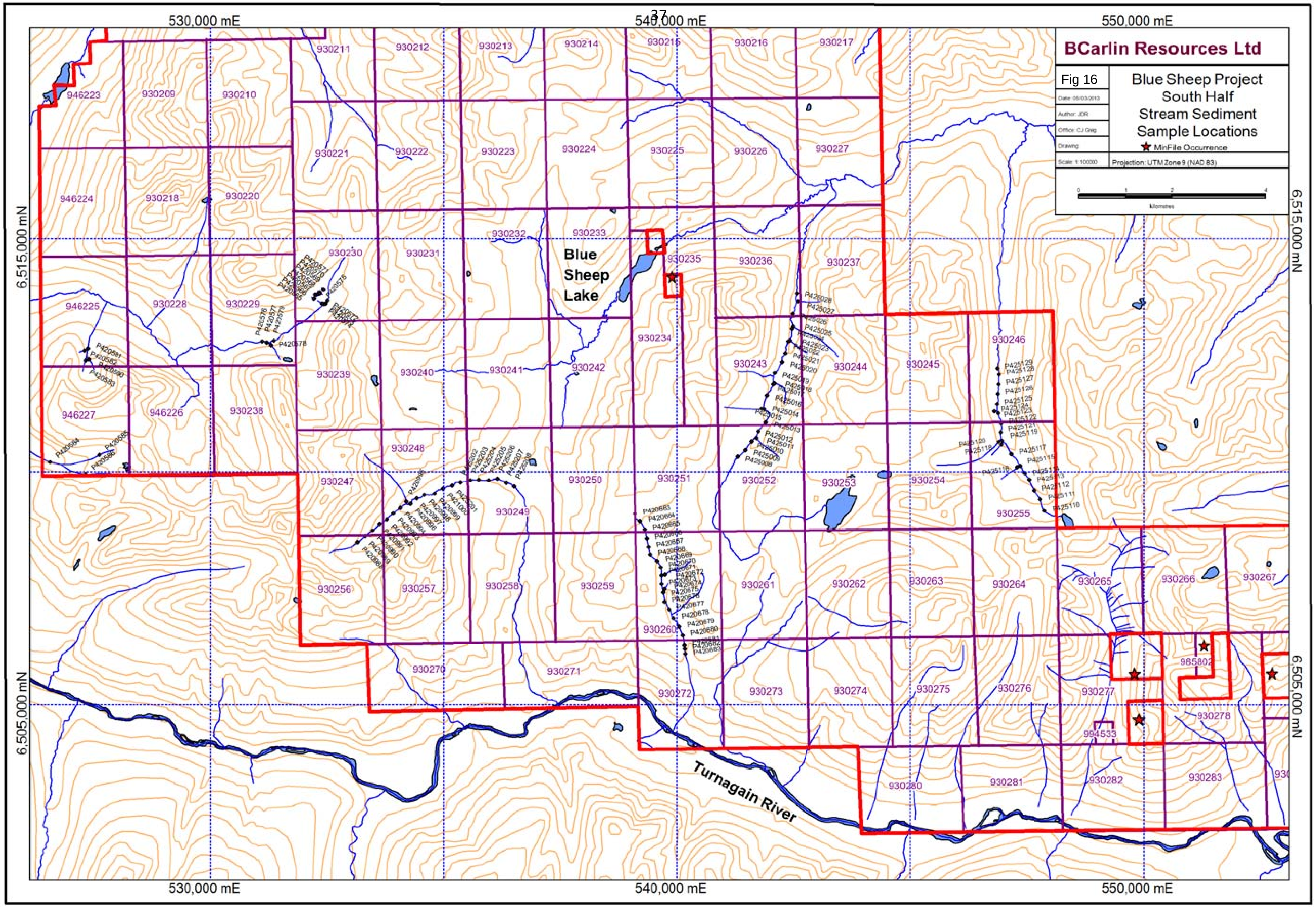

BCarlin Resources Ltd
Fig 12
Blue Sheep Project
North Half
Stream Sediment
As Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 As ppm
>80
58 to 80
50 to 58
30 to 50
0 to 30
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend


BCarlin Resources Ltd
Fig 13
Date: 06/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Blue Sheep Project
North Half
Stream Sediment
Mo Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Mo ppm
>20
17 to 20
14 to 17
7 to 14
0 to 7
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
Major Hart River
See Geology Map for Geologic Legend


530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
BCarlin Resources Ltd
Fig 14
Blue Sheep Project
North Half
Stream Sediment
Ni Geochemistry
MinFile Occurrence
Date: 06/03/2013
Author: JDR
Office: CJ Greg
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Ni ppm
>350
200 to 350
140 to 200
90 to 140
0 to 90
Major Hart River
See Geology Map for Geologic Legend



BCarlin Resources Ltd
Fig 15
Blue Sheep Project
North Half
Stream Sediment
Fe Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Fe %
>5.0
4.5 to 5.0
4.3 to 4.5
3.6 to 4.3
0 to 3.6
Major Hart River
530,000 mE
540,000 mE
550,000 m
6,530,000 mN
6,520,000 mN
See Geology Map for Geologic Legend


BCarlin Resources Ltd
Fig 16
Blue Sheep Project
South Half
Stream Sediment
Sample Locations
MinFile Occurrence
Date: 05/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
Kilometres
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue
Sheep
Lake
Turnagain River
930211
930212
930213
930214
930215
930216
930217
946223
930209
930210
930221
930222
930223
930224
930225
930226
930227
946224
930218
930220
930232
930233
930230
930231
930235
930236
930237
946225
930228
930229
930234
930246
930239
930240
930241
930242
930243
930244
930245
946227
946226
930238
930248
930247
930250
930251
930252
930253
930254
930249
930255
930256
930257
930258
930259
930261
930262
930263
930264
930265
930266
930267
930260
930270
930271
930272
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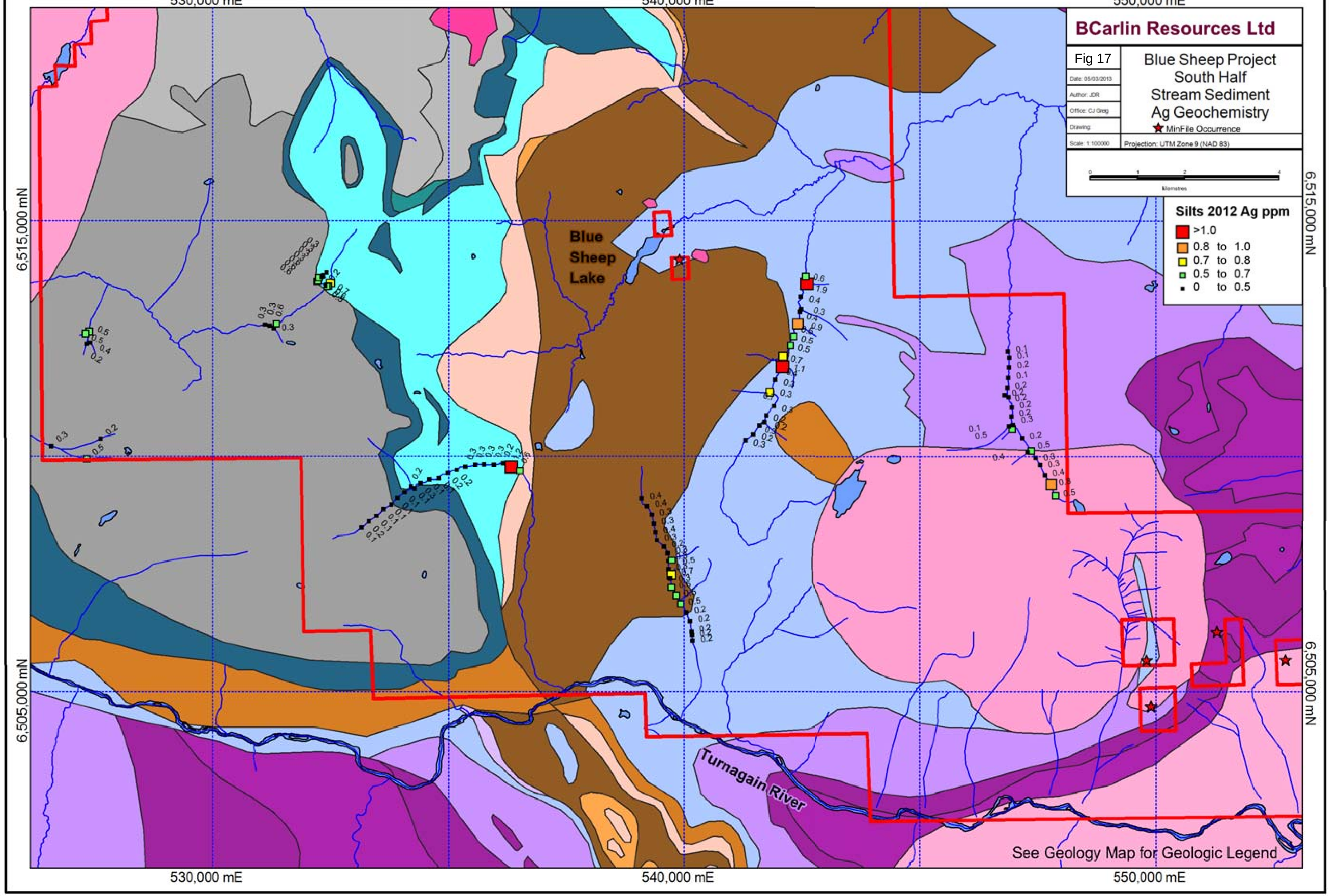
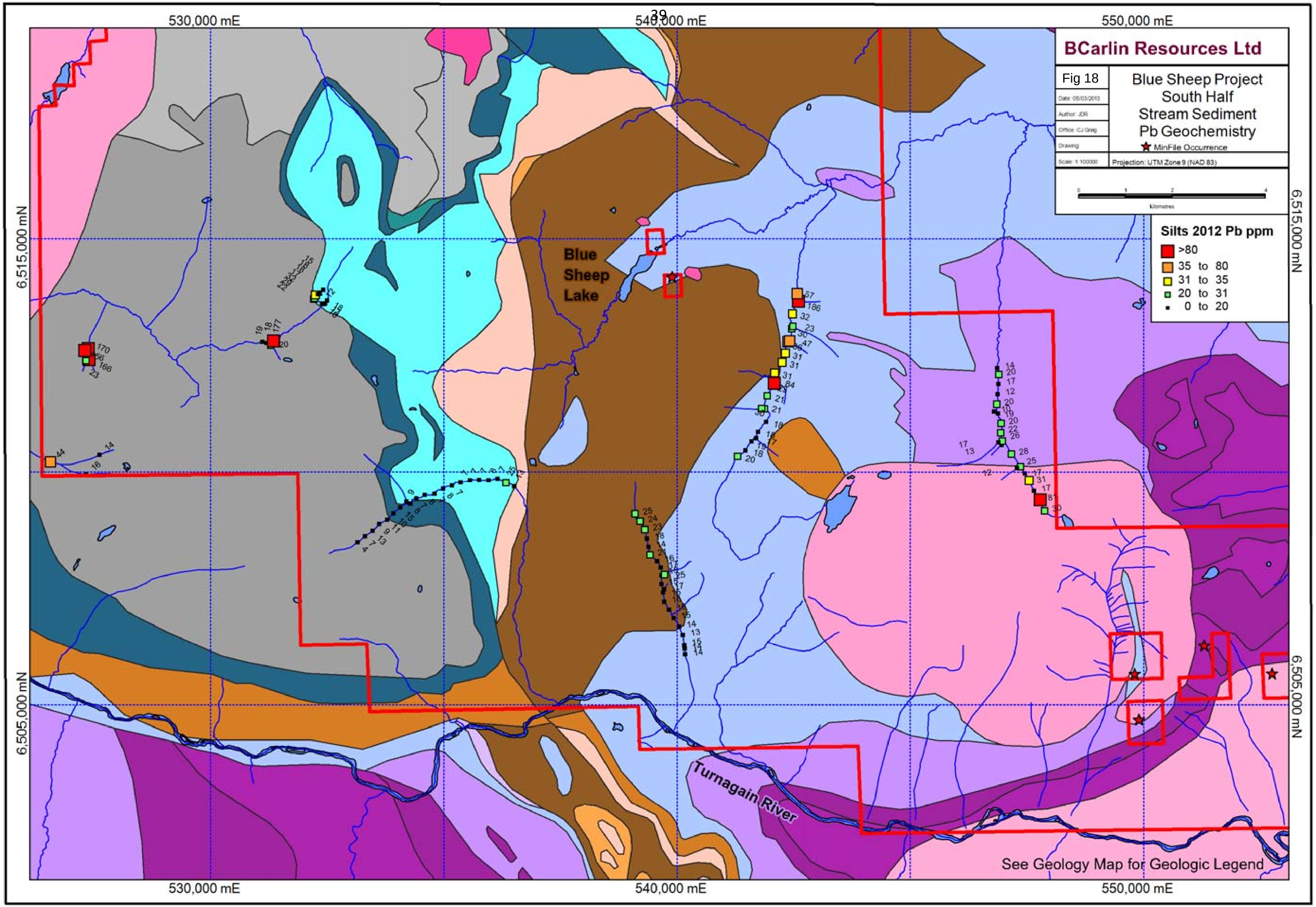
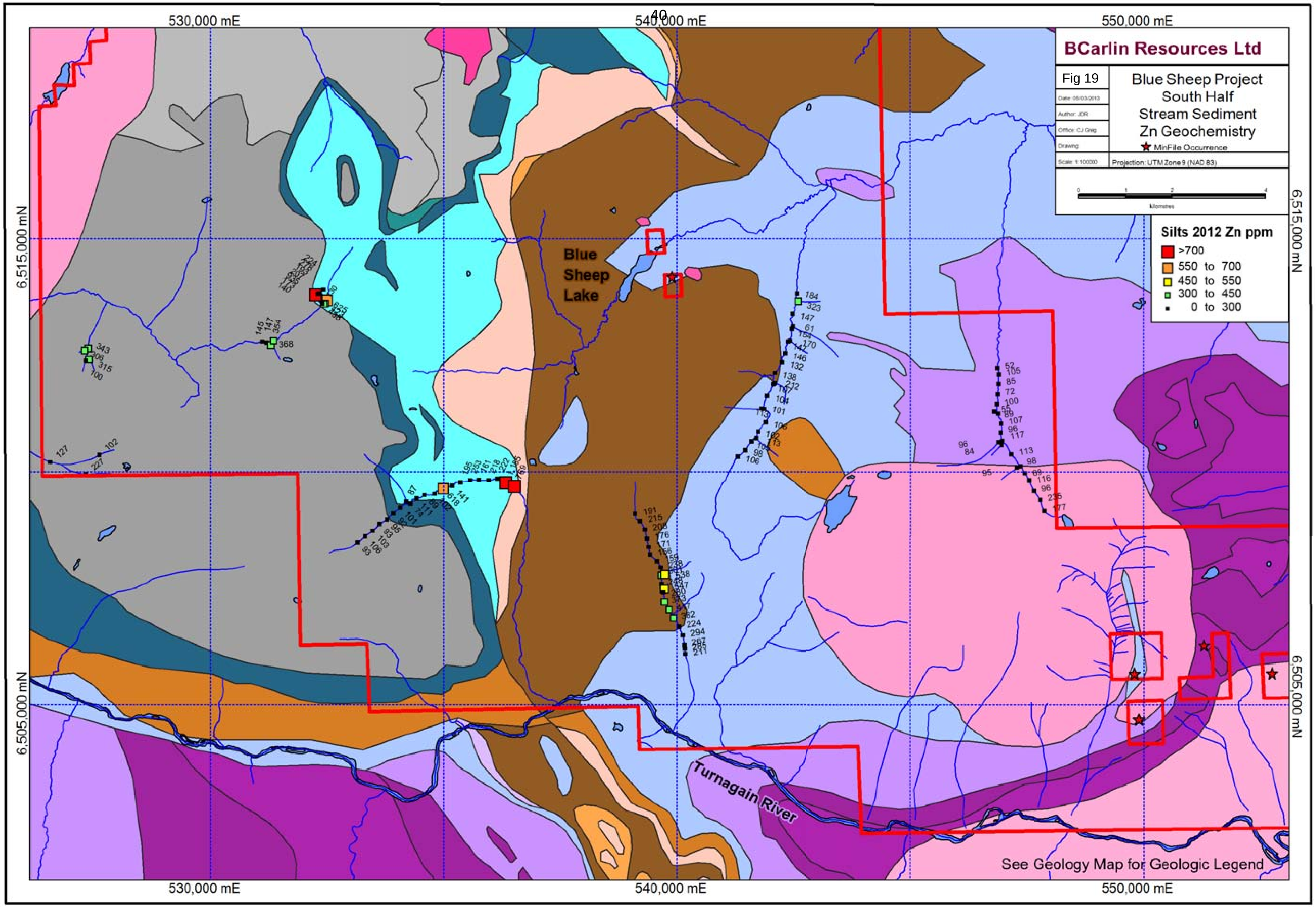
930274
930275
930276
930277
985802
930278
994533
930280
930281
930282
930283

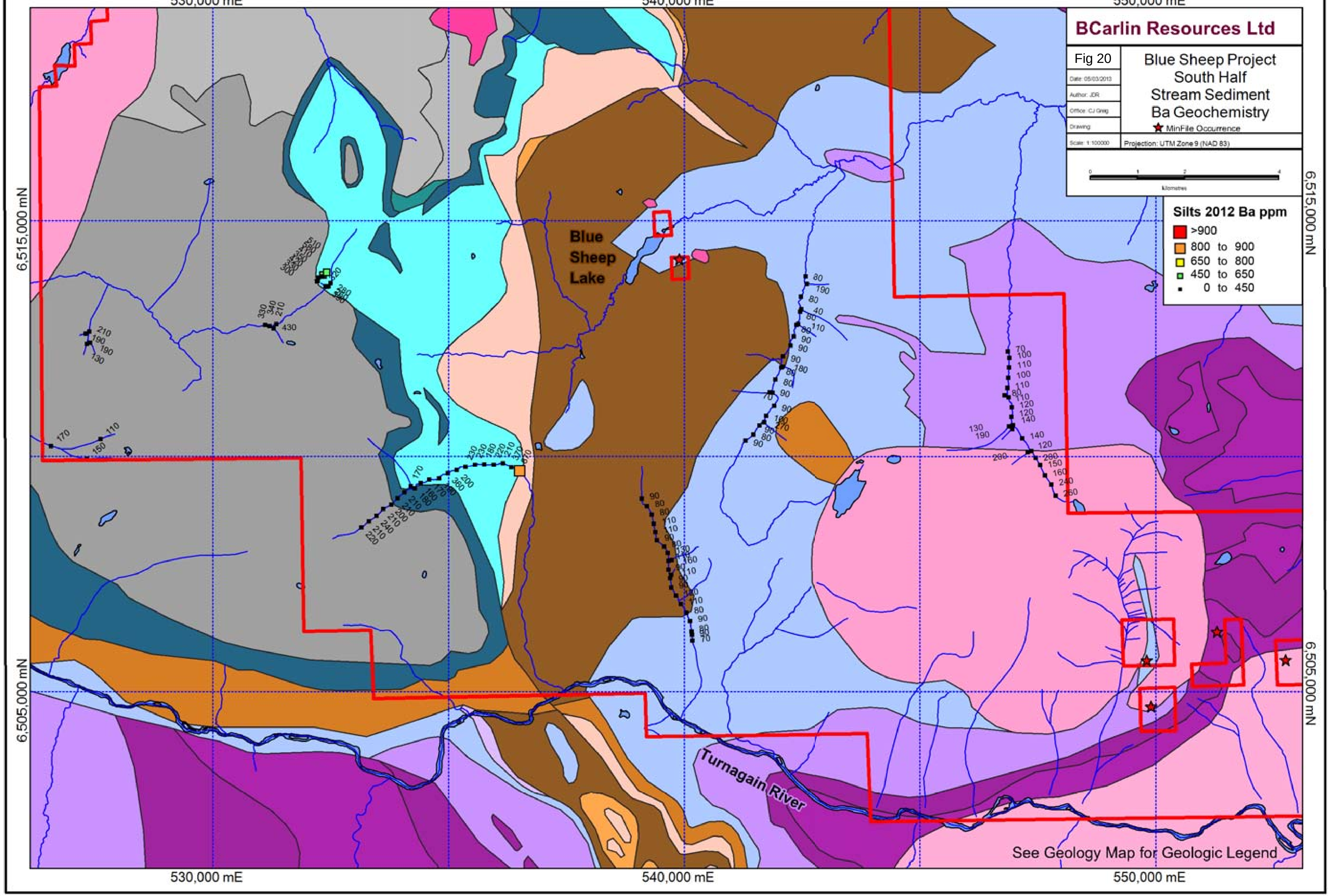


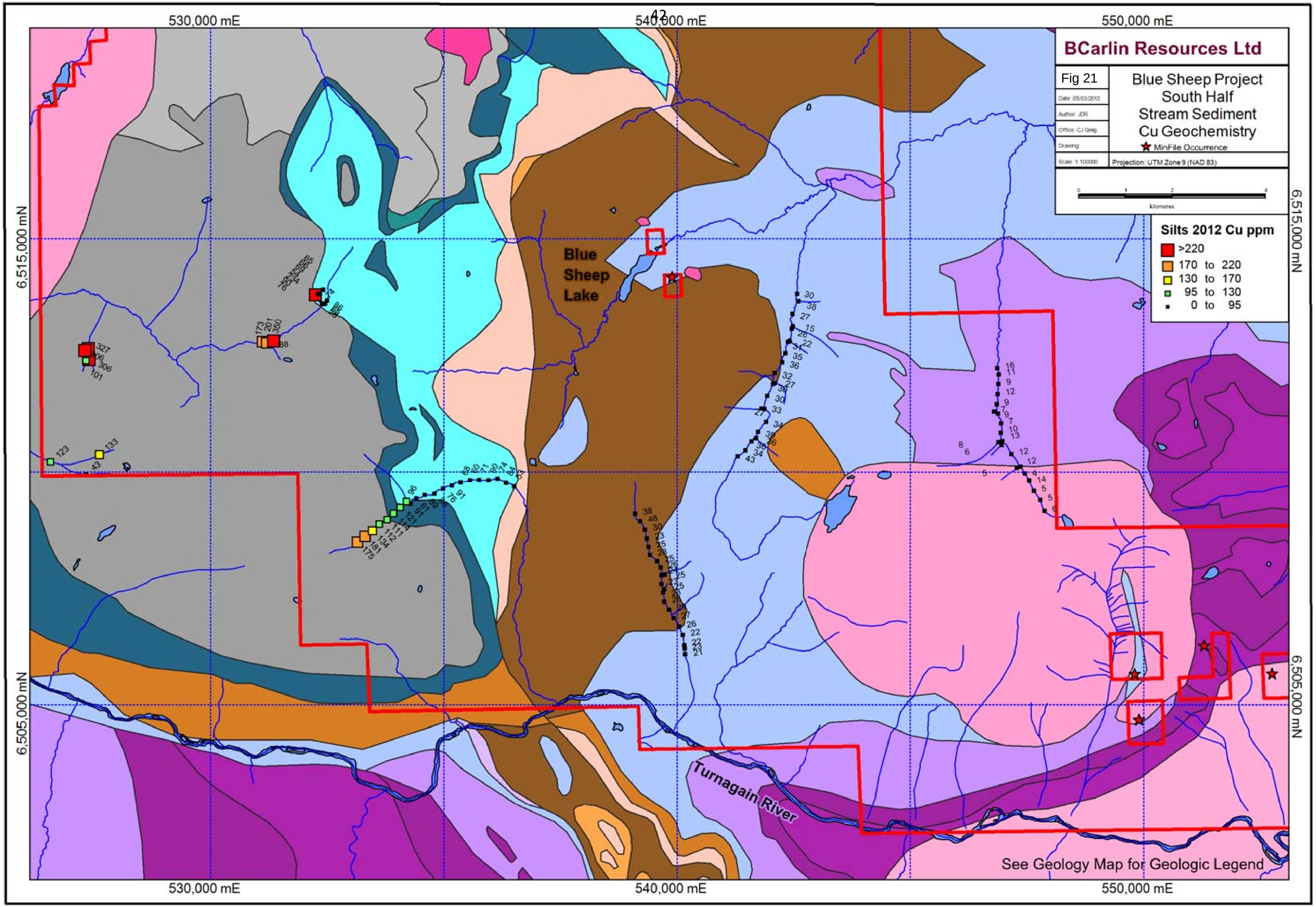
BCarlin Resources Ltd
Fig 17
Blue Sheep Project
South Half
Stream Sediment
Ag Geochemistry
MinFile Occurrence
Date: 05/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Projection: UTM Zone 9 (NAD 83)
kilometres
Silts 2012 Ag ppm
>1.0
0.8 to 1.0
0.7 to 0.8
0.5 to 0.7
0 to 0.5
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue Sheep Lake
Turnagain River
See Geology Map for Geologic Legend

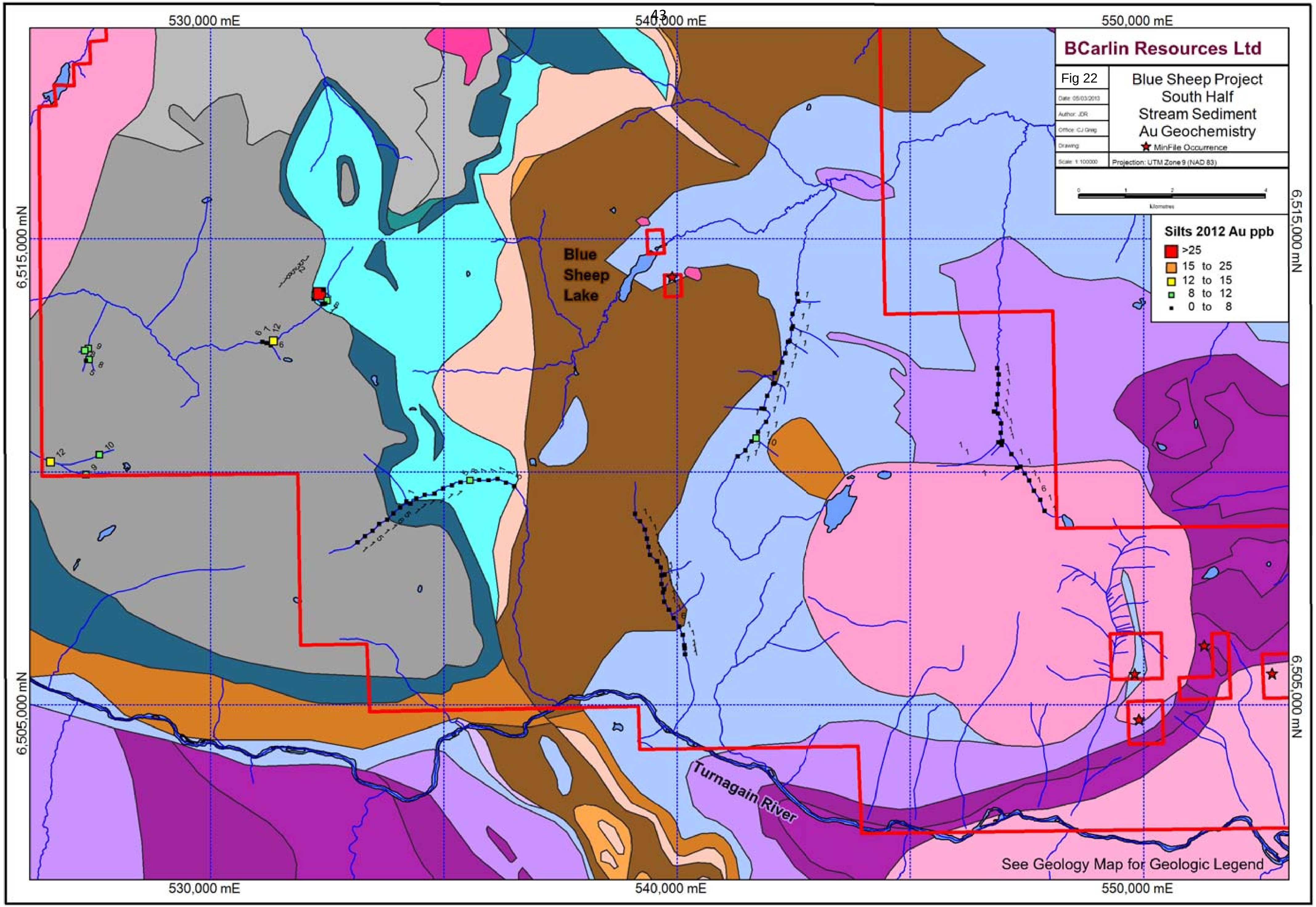


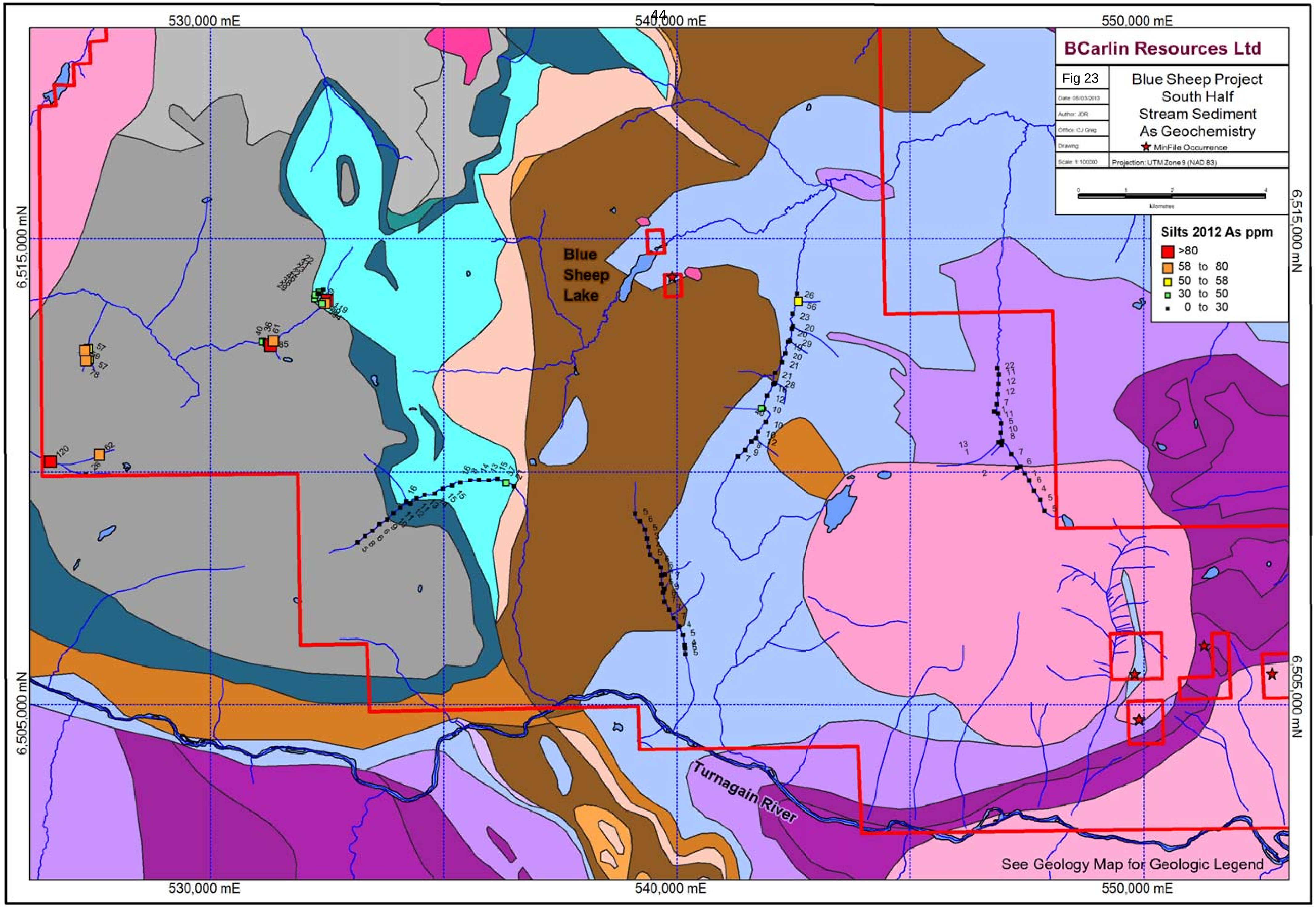
BCarlin Resources Ltd
Fig 18
Blue Sheep Project
South Half
Stream Sediment
Pb Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Pb ppm
>80
35 to 80
31 to 35
20 to 31
0 to 20
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue Sheep Lake
Turnagain River
See Geology Map for Geologic Legend

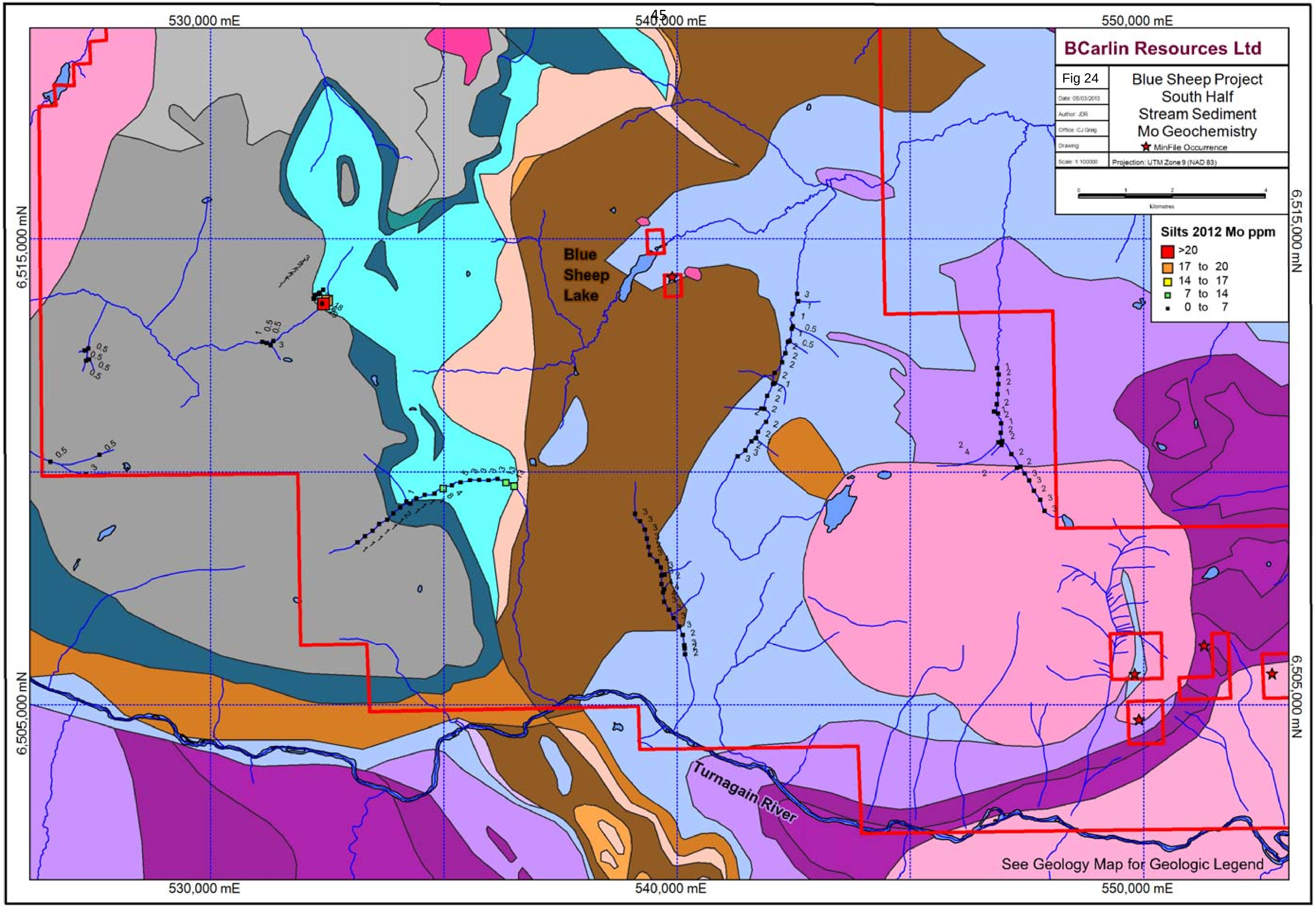

BCarlin Resources Ltd
Fig 19
Blue Sheep Project
South Half
Stream Sediment
Zn Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Zn ppm
>700
550 to 700
450 to 550
300 to 450
0 to 300
Blue
Sheep
Lake
Turnagain River
See Geology Map for Geologic Legend
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN


BCarlin Resources Ltd
Fig 20
Blue Sheep Project
South Half
Stream Sediment
Ba Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Ba ppm
>900
800 to 900
650 to 800
450 to 650
0 to 450
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue Sheep Lake
Turnagain River
See Geology Map for Geologic Legend

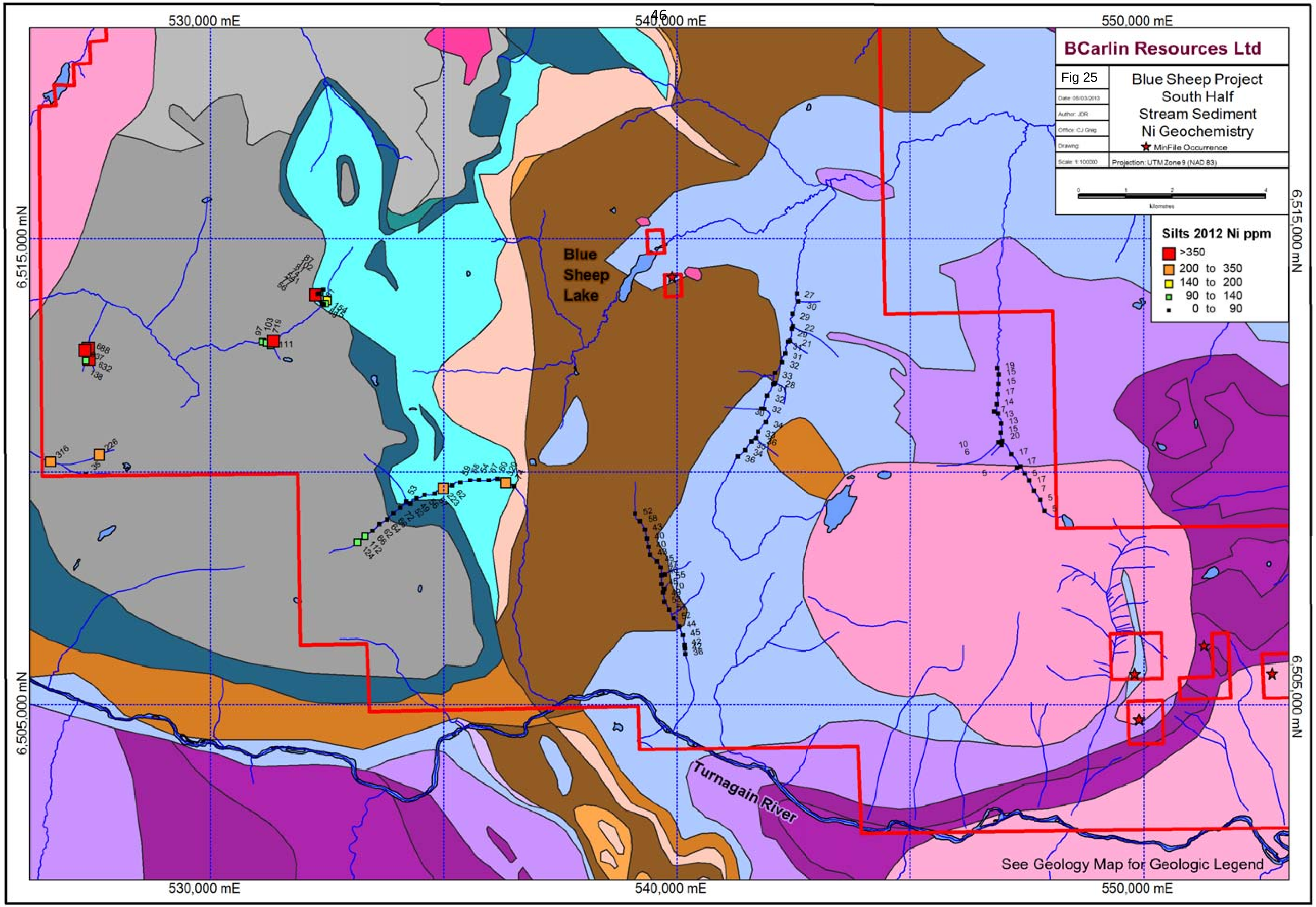

BCarlin Resources Ltd
Fig 21
Blue Sheep Project
South Half
Stream Sediment
Cu Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Cu ppm
>220
170 to 220
130 to 170
95 to 130
0 to 95
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue Sheep Lake
Turnagain River
See Geology Map for Geologic Legend

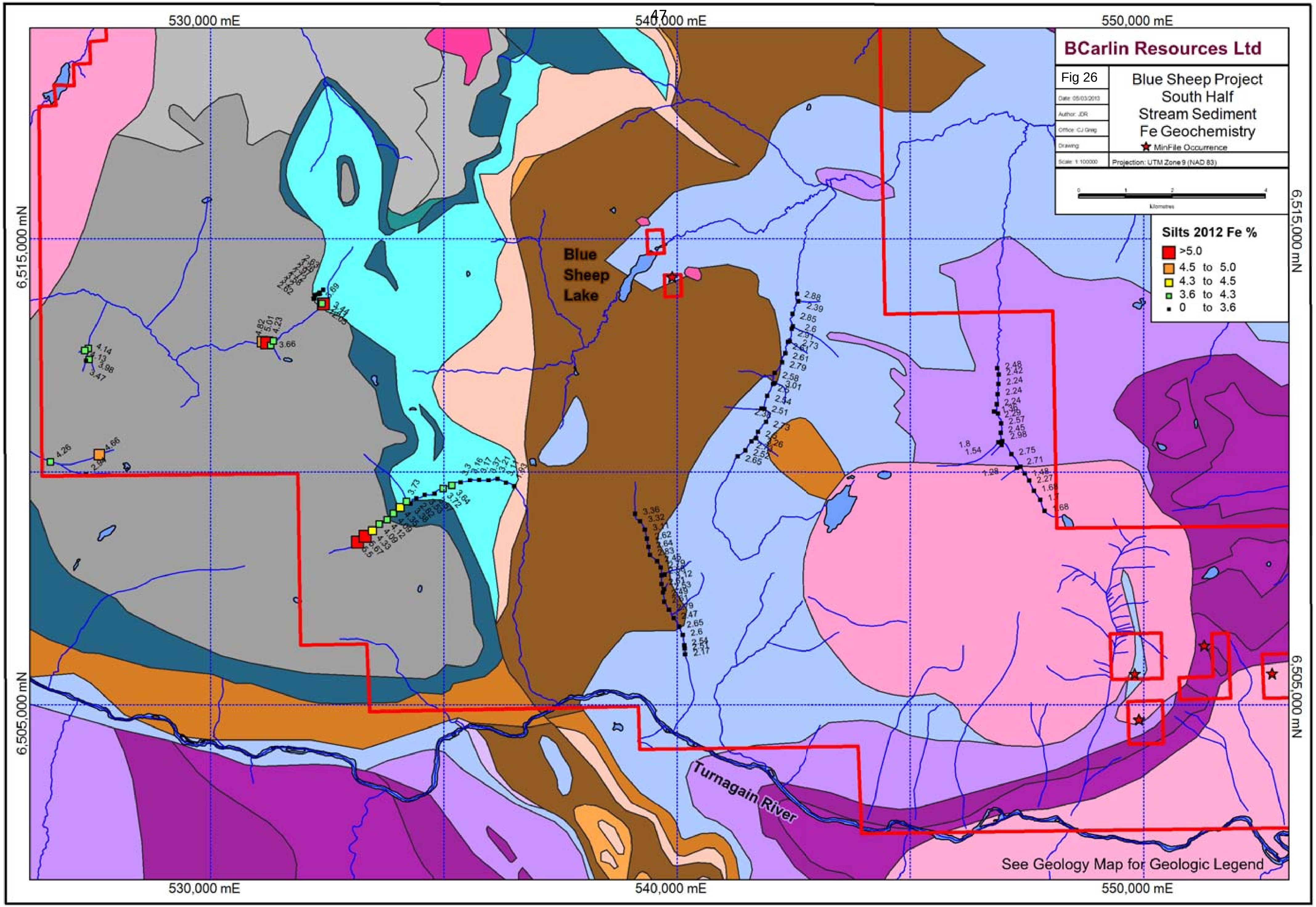

BCarlin Resources Ltd
Fig 22
Date: 05/03/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:100000
Blue Sheep Project
South Half
Stream Sediment
Au Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
0
1
2
4
Kilometres
Silts 2012 Au ppb
>25
15 to 25
12 to 15
8 to 12
0 to 8
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue
Sheep
Lake
Turnagain River
See Geology Map for Geologic Legend


BCarlin Resources Ltd
Fig 23
Blue Sheep Project
South Half
Stream Sediment
As Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 As ppm
>80
58 to 80
50 to 58
30 to 50
0 to 30
Blue Sheep Lake
Turnagain River
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
See Geology Map for Geologic Legend



BCarlin Resources Ltd
Fig 24
Blue Sheep Project
South Half
Stream Sediment
Mo Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Mo ppm
>20
17 to 20
14 to 17
7 to 14
0 to 7
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
Blue
Sheep
Lake
Turnagain River
See Geology Map for Geologic Legend


BCarlin Resources Ltd
Fig 25
Blue Sheep Project
South Half
Stream Sediment
Ni Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Ni ppm
>350
200 to 350
140 to 200
90 to 140
0 to 90
Blue Sheep Lake
Turnagain River
See Geology Map for Geologic Legend
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN


BCarlin Resources Ltd
Fig 26
Blue Sheep Project
South Half
Stream Sediment
Fe Geochemistry
MinFile Occurrence
Projection: UTM Zone 9 (NAD 83)
Silts 2012 Fe %
>5.0
4.5 to 5.0
4.3 to 4.5
3.6 to 4.3
0 to 3.6
Blue
Sheep
Lake
Turnagain River
530,000 mE
540,000 mE
550,000 mE
6,515,000 mN
6,505,000 mN
See Geology Map for Geologic Legend

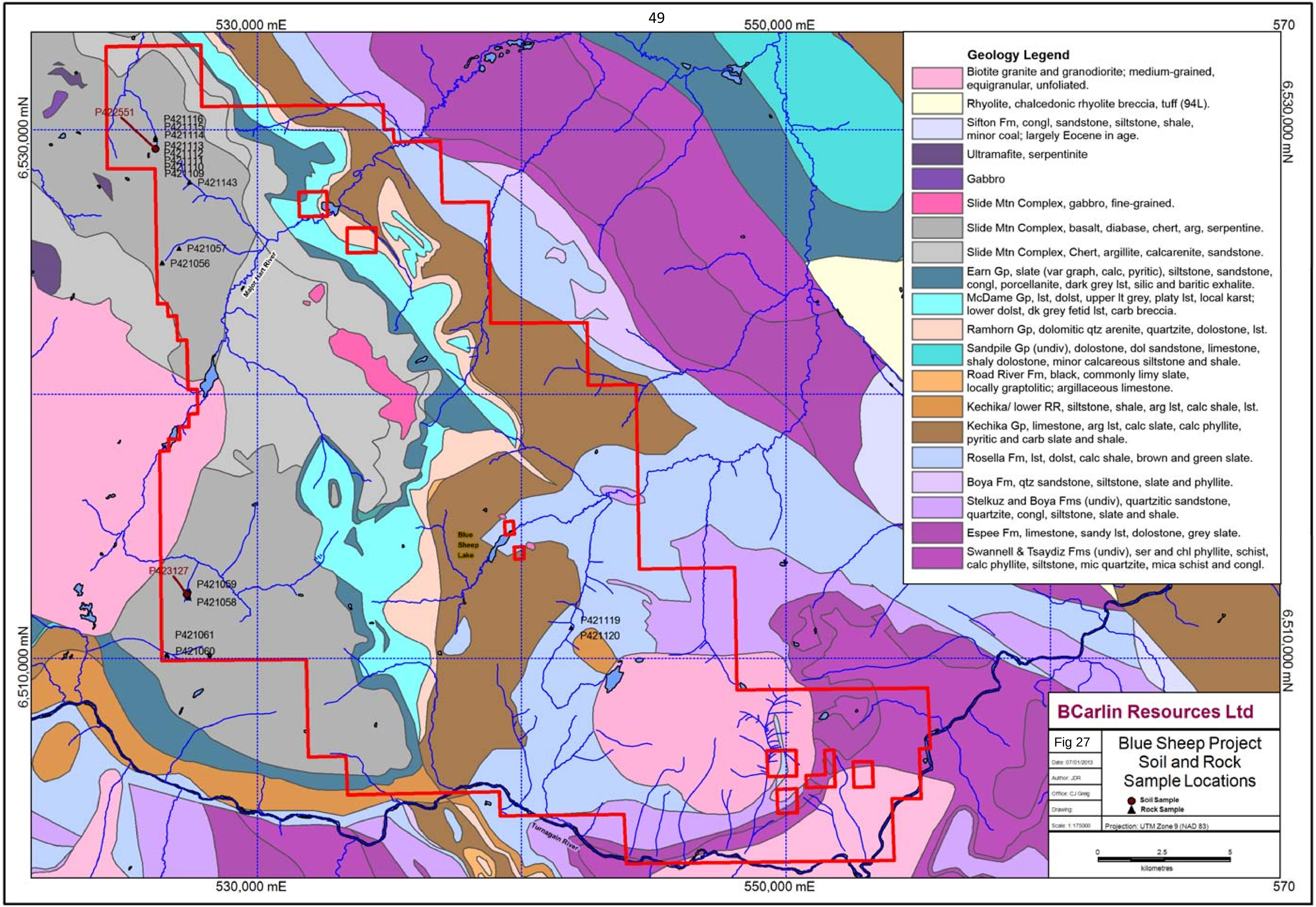
9.0 Soil and Rock Sampling

The 2012 program included limited soil and rock sampling undertaken during three man-days of prospecting in areas of favourable geology and geochemistry. Two soil samples and 17 rock samples were collected. Rock samples generally consisted of selected pieces of float or “grab” samples from outcrop or subcrop that contained rusty weathering disseminated sulphide or oxide minerals, or fine veins of quartz or calcite, often accompanied by sulphide minerals. Sample stations were marked with sample-numbered flagging and UTM co-ordinates were recorded for each station using hand-held Garmin GPS units.

The soil and rock samples were shipped to ALS Chemex Laboratories in North Vancouver for Au and 35-element ICP analysis. Soils were sieved to -80 mesh and rocks were crushed and pulverized. For each sample, gold analysis involved fusing a 30 gram portion by fire assay in a furnace, then dissolving the bead in aqua regia and analyzing the solution by Atomic Absorption Spectroscopy (AAS), with a detection limit of 5 ppb Au. As well, a suite of 35 elements was analyzed for each sample by dissolving a 0.5 gram cut in aqua regia and using both ICP-MS and ICP-AES techniques to determine the element concentrations. The Au and ICP analytical results for the 2 soil samples are attached in Appendix II. The Au and ICP analytical results, as well as descriptive comments, for the 17 rock samples are attached in Appendix III. Soil and rock sample locations are shown on Figure 27.

One of the soil samples (P423127) in the southwest part of the property showed moderately elevated values in Pb (121 ppm), Zn (244 ppm), Cu (288 ppm) and As (65 ppm) that may indicate mineralization nearby. Two kilometres to the south, one of the rock samples (P421061) returned elevated Ag (15.9 ppm), Pb (1130 ppm), Zn (312 ppm), Cu (456 ppm) and As (473 ppm). It is described as punky, rusty-weathering float within an area mapped as Slide Mountain volcanic rocks. In the northwest claims area, two samples of rusty-weathering, fine-grained crystalline rock with disseminations, blebs and stringers of pyrite (P421114 & P421115) returned elevated Cu values of 939 and 588 ppm and Zn up to 107 ppm.

Although no ore grade samples were collected during the prospecting program, some encouraging results were returned. Small veins with elevated base metals and silver values, as well as areas of altered, rusty-weathering rock indicate that there is potential to discover larger mineralized veins within the volcanic-sedimentary assemblage on the west part of the property. It is recommended that further detailed prospecting and geological evaluation accompany soil geochemical follow-up of the strongest stream sediment geochemical targets.


530,000 mE
550,000 mE
570
6,530,000 mN
6,510,000 mN
P422551
P421116
P421115
P421114
P421113
P421112
P421111
P421110
P421109
P421143
P421057
P421056
Major Hart River
Blue Sheep Lake
P423127
P421059
P421058
P421061
P421060
P421119
P421120
Turnagain River
Geology Legend
Biotite granite and granodiorite; medium-grained, equigranular, unfoliated.
Rhyolite, chalcedonic rhyolite breccia, tuff (94L).
Sifton Fm, congl, sandstone, siltstone, shale, minor coal; largely Eocene in age.
Ultramafite, serpentinite
Gabbro
Slide Mtn Complex, gabbro, fine-grained.
Slide Mtn Complex, basalt, diabase, chert, arg, serpentine.
Slide Mtn Complex, Chert, argillite, calcarenite, sandstone.
Earn Gp, slate (var graph, calc, pyritic), siltstone, sandstone, congl, porcellanite, dark grey lst, silic and baritic exhalite.
McDame Gp, lst, dolst, upper lt grey, platy lst, local karst; lower dolst, dk grey fetid lst, carb breccia.
Ramhorn Gp, dolomitic qtz arenite, quartzite, dolostone, lst.
Sandpile Gp (undiv), dolostone, dol sandstone, limestone, shaly dolostone, minor calcareous siltstone and shale.
Road River Fm, black, commonly limy slate, locally graptolitic; argillaceous limestone.
Kechika/ lower RR, siltstone, shale, arg lst, calc shale, lst.
Kechika Gp, limestone, arg lst, calc slate, calc phyllite, pyritic and carb slate and shale.
Rosella Fm, lst, dolst, calc shale, brown and green slate.
Boya Fm, qtz sandstone, siltstone, slate and phyllite.
Stelkuz and Boya Fms (undiv), quartzitic sandstone, quartzite, congl, siltstone, slate and shale.
Espee Fm, limestone, sandy lst, dolostone, grey slate.
Swannell & Tsaydiz Fms (undiv), ser and chl phyllite, schist, calc phyllite, siltstone, mic quartzite, mica schist and congl.
BCarlin Resources Ltd
Fig 27
Blue Sheep Project
Soil and Rock
Sample Locations
Date: 07/01/2013
Author: JDR
Office: CJ Greig
Drawing:
Scale: 1:175000
Soil Sample
Rock Sample
Projection: UTM Zone 9 (NAD 83)
0
2.5
5
kilometres

10.0 Conclusions

The most encouraging results from the limited sampling program undertaken in 2012 are a number of anomalous Au values with associated anomalous Cu and Fe in the northwest part of the property which is underlain by an assemblage of volcanic and sedimentary rocks. Samples of fine crystalline rock with pyrite disseminations and stringers from this area returned elevated Cu values. High grade, Au-bearing quartz veins in the Cassiar Camp are hosted by similar rocks, often adjacent to ultramafic rocks, which have also been mapped near this anomalous area at Blue Sheep.

Within the same volcanic-sedimentary assemblage, in the southwest part of the property, an area of high Cu, Pb, As, Ni with weaker Au values has been defined by wide-spaced sediment sampling. As with the northwest area, this area also has potential for the discovery of significant veins containing base metals with substantial precious metals content. As well, volcanogenic massive sulphide (VMS) deposits are known to occur within this geologic assemblage near Cassiar, 90 km to the northwest.

The Earn Group shale unit that extends through the center of the property has the potential of hosting a mineral deposit of SEDEX-style stratiform mineralization, similar to major deposits located in the Kechika Trough farther to the southeast. Streams cutting this unit at three locations on the property have returned high values in Zn, Ag, Ba, Ni and Mo which is typical of the geochemistry associated with the Kechika deposits.

In the south-central part of the property sampling within a carbonate unit and also within the Turnagain granitic stock, returned anomalous levels of Ag and Pb, indicating potential for vein, skarn or replacement mineralization. Vein and skarn type mineralization does, in fact, occur nearby, on the southeast side of the Turnagain stock.

Previous exploration within the project area has been concentrated on skarn and vein showings in altered carbonate rocks adjacent to granitic intrusive bodies in the southeast corner of the property and in the east-central area. Geochemical sampling with limited follow-up work has also been undertaken in the Slide Mountain volcanic-sedimentary assemblage on the west side of the property by Amoco in 1983 and by Atna and Hunter Exploration in 1997. Soil sampling by Amoco revealed several areas of strongly anomalous Cu-Pb-Zn with local Au highs, extending over lengths of 500 m or more. Outcrop in this area is reported to total less than 10%, but prospecting of float revealed small Pb-Zn mineralized quartz veins. Stream sediment sampling in 2012, to the south of the Amoco soil grid, yielded multi-element anomalies, adding to the evidence that a large area of Slide Mountain stratigraphy on the west side of the property has good exploration potential.

Examination of Regional Geochemical Survey (RGS) data published by BC Ministry of Energy, Mines and Natural Gas for map sheet 104I (Jackaman, 2012) reveals that, in addition to multi-element anomalies within the property area, there are samples 3 to 5 km north of the northwest property corner that returned values of greater than 95^{th} percentile for Au, Ag, As, Cu, Hg, Mo, Ni and Zn. This is an area that has been mapped as Slide Mountain Complex which warrants preliminary exploration during follow-up work on the property.

Continued exploration within the Blue Sheep project area is definitely warranted, with emphasis on the Slide Mountain stratigraphy, and secondary status for Earn Group shale and underlying carbonate units that also have the potential to host economic mineralization.

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Appendix I

Part A

Stream Sediment and Moss Mat Sample

Analytical Results

XRF Analyses

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P420295	526157	6529290	1770	-99	-99	-99	5215.61	-99	151.29	144.19	10082.52	664.18	749.6	-99	-99
P420296	526125	6529683	1707	-99	-99	1654.46	6391.49	-99	128.15	106.39	21358.29	1356.51	1160.47	-99	-99
P420297	526095	6529962	1660	-99	-99	1830.6	5142.11	327.72	100.92	103.51	23077.76	1165.47	1238.24	-99	-99
P420298	525966	6530304	1612	-99	-99	914.32	4960.96	-99	91.12	70.6	10643.53	1135	364.84	-99	-99
P420299	525966	6530307	1612	-99	-99	1682.03	13259.33	-99	309.43	101.15	28235.91	2647.86	866.08	-99	109.72
P420300	525838	6530535	1594	-99	-99			-99	-99	70.68	19626.3		788.79	-99	74.73
P420555	526198	6524870	1625	-99	-99	-99	3968.13	298.58	61.5	79.64	15406.32	785.06	-99	-99	-99
P420556	526268	6524857	1617	-99	-99	-99	5341.75	189.21	103.92	44.05	13212.83	1020.76	-99	-99	-99
P420557	526581	6525215	1533	-99	-99	-99	7297.74	-99	90.56	52.33	20582.63	3405.43	533.28	-99	-99
P420558	526661	6525328	1516	-99	-99	-99	4495.38	-99	87.77	-99	10365.95	997.89	-99	-99	-99
P420559	526822	6525452	1488	-99	-99	-99	5349.73	191.52	84.4	37.55	9122.51	1096.36	134.12	-99	-99
P420560	527047	6525510	1403	-99	-99	-99	6141.88	310.83	105.6	74.9	13307.95	1164.74	350.93	-99	-99
P420561	527078	6525543	1387	-99	-99	361.98	6947.91	-99	147.34	87.93	15175.28	1719.36	450.97	-99	-99
P420562	527037	6525918	1395	-99	-99	-99	8718.47	-99	56.11	58.13	18287.79	2814.79	562.64	-99	-99
P420563	527244	6525723	1314	-99	-99	-99	6499.18	-99	93.02	63.3	16257.74	1877.36	402.87	13.52	-99
P420564	527398	6525793	1274	-99	-99	-99	8134.43	-99	42.35	42.86	15343.5	2481.87	406.31	-99	-99
P420565	532207	6513710	1617	-99	15.43	-99	5537.67	-99	60.54	34.9	7011.51	733.68	-99	9.15	-99
P420566	532220	6513719	1618	-99	26.22	-99	6030.47	240.99	99.45	78.59	16102.49	653.87	358.65	11.89	-99
P420567	532238	6513796	1622	-99	33.33	751.01	8066.11	-99	72.23	173.42	26673.27	2688.44	7060.94	-99	321.91
P420568	532301	6513814	1621	-99	-99	-99	7823.22	-99	79.66	38.13	23634.21	2797.88	313.15	-99	-99
P420569	532337	6513815	1622	-99	-99	-99	5555.91	243.89	89.99	59.78	11386.37	672.65	158.09	10.83	-99
P420570	532330	6513850	1623	-99	11.62	-99	5713.39	309.63	115.67	52.44	11244.47	1243.37	-99	-99	-99
P420571	532409	6513911	1631	-99	11.92	283.83	5436.31	220.93	112.56	44.11	10612.01	793.94	243.98	-99	-99
P420572	532501	6513669	1618	-99	55.11	109.11	7774.11	-99	99.68	35.01	19691.05	3736.2	752.89	14.72	-99
P420573	532446	6513605	1611	-99	31.93	-99	4712.51	-99	62.52	46.22	13765.29	1331.51	211.1	8.82	-99
P420574	532417	6513602	1610	-99	348.02	-99	7402.72	-99	60.76	63.9	112935.2	1152.25	425.15	29.12	-99
P420575	532386	6513613	1608	-99	33.52	624.18	7506.5	248.92	105.51	96.77	22021.43	1916.38	1149.35	8.13	-99
P420576	531113	6512773	1466	-99	23.64	242.63	8339.98	-99	91.95	132.42	36972.45	2800.91	972.88	-99	-99
P420577	531198	6512753	1468	-99	-99	-99	7609.06	523.93	168.29	167.13	31588.68	1153.32	693.58	-99	-99
P420578	531293	6512757	1469	-99	61.53	414.98	8846.46	-99	79.93	49.25	30357.65	3085.28	1258.33	-99	-99
P420579	531330	6512816	1472	-99	51.79	-99	10932.5	-99	376.34	236.98	41562.83	1479.58	924.9	-99	567.25

Blue Sheep Stream Sediments - XRF Analyses
*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P420295	-99	-99	1238.46	-99	-99	21.09	-99	868.26	-99	58.41	-99	107.65	27.48
P420296	-99	57.15	2234.23	-99	-99	39.48	-99	2223.03	-99	157.53	-99	117.19	123.06
P420297	-99	44.6	2462.23	-99	-99	41.89	-99	3629.14	-99	140.93	-99	110.56	113.39
P420298	-99	28.19	2013.89	-99	-99	42.79	-99	3900.46	-99	106.03	-99	62.86	89.9
P420299	-99	42.49	2135.32	-99	-99	35.69	8.46	1634.51	15.65	143.13	-99	55.96	107.99
P420300	-99	29.53			-99	18.61	6.51	1240.75	-99	-99	-99	64.84	68.07
P420555	-99	108.29	1560.8	35.95	-99	53.68	17.83	2114.13	21.75	-99	-99	131.76	92.05
P420556	-99	166.57	1423.88	-99	-99	59.08	15.52	3281.86	-99	87.86	-99	105.65	118.3
P420557	-99	207.38	2104.04	-99	-99	63.63	17.58	1475.26	-99	80.83	-99	75.19	139.09
P420558	-99	153.18	1483.78	-99	-99	51.13	-99	2061.42	-99	-99	-99	52.58	172.8
P420559	-99	103.57	2220.34	-99	-99	54.69	14.23	3368.72	-99	78.26	-99	69.03	101.64
P420560	-99	129.82	1661.99	-99	-99	67.11	14.35	3264.61	-99	-99	71.44	81.38	113.63
P420561	-99	155.47	2415.04	-99	-99	77.64	14.71	4056.97	-99	95.1	-99	111.84	113.67
P420562	-99	79.62	1641.7	-99	-99	62.75	8.93	1386.84	-99	84.22	-99	76.39	91.92
P420563	-99	136.49	1167.15	-99	-99	46.22	-99	590.01	-99	50.94	-99	92.09	79.07
P420564	-99	94.7	1803.1	-99	-99	63.95	8.21	921.94	-99	72.44	-99	98.88	91.89
P420565	-99	20.08	1482.67	-99	-99	34.12	-99	2431.57	17.19	91.04	-99	61.21	49.02
P420566	-99	29.23	1816.6	-99	10.16	44.41	-99	3511.46	14.58	86.08	-99	144.44	69.68
P420567	-99	53.33	2228.4	-99	-99	42.97	-99	1390.79	-99	117.57	-99	701.33	114.81
P420568	-99	49.08	1895.89	-99	-99	75.68	-99	1513.54	-99	132.43	-99	165.94	105.79
P420569	-99	37.57	1924.62	-99	-99	65.94	-99	3225.65	12.63	78.01	-99	132.02	103.07
P420570	-99	37.27	1954.25	-99	-99	52.1	-99	4108.33	-99	97.96	-99	156.3	107.2
P420571	-99	34.3	1748.98	-99	-99	69.05	-99	2414.45	-99	98.99	-99	104.52	91.84
P420572	-99	53.53	1715.22	-99	8.75	40.59	-99	1699.41	28.79	203.63	-99	273.96	112.52
P420573	-99	40.49	1087.62	-99	-99	38.79	-99	825.5	-99	77.66	-99	268.59	92.45
P420574	-99	28.51	2012.81	-99	25.25	34.71	10.15	627.5	16.69	95.02	-99	301.16	53.2
P420575	-99	37.27	2114.26	-99	-99	59.16	-99	3085.62	-99	106.37	-99	127.08	104.24
P420576	-99	56.94	1805.74	-99	-99	54.38	-99	1520.66	-99	97.74	-99	103.02	120.85
P420577	-99	41.62	1662.84	-99	-99	48.68	-99	2691.2	-99	89.31	-99	161.55	98.46
P420578	-99	52.17	1282.66	-99	-99	71.48	8.78	1646.79	-99	132.26	-99	287.99	104.99
P420579	146.11	69.05	1881.95	-99	-99	67.35	-99	814.91	-99	-99	-99	295.59	37.45

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P420580	527386	6512397	1479	-99	37.52	-99	5026.85	606.35	159.79	200.38	23152.38	922.09	479.36	-99	270.64
P420581	527362	6512643	1435	-99	51.19	-99	8951.67	345.63	268.56	200.77	30747.66	1775.83	824.89	7.15	347.14
P420582	527328	6512610	1440	-99	53.4	-99	14587.29	-99	422.54	238.93	43716.11	1793.97	1119.28	-99	486.02
P420583	527332	6512385	0	-99	58.92	-99	6625.42	315.16	164.74	77.01	24355.14	1068.27	420.17	-99	81.53
P420584	526553	6510192	1459	-99	-99	-99	3685.24	-99	104.43	-99	6478.99	491.06	-99	-99	-99
P420585	527613	6510377	1646	-99	45.19	-99	6144.55	366.32	171.75	124.44	27415.78	989.03	388.38	-99	-99
P420586	527320	6509937	1620	-99	-99	449.49	5870.03	279.45	129.82	54.9	10966.12	1224.67	-99	8.27	-99
P420663	539079	6509096	1606	-99	-99	-99	7431.77	-99	87.42	33.96	18695.94	2070.23	251.04	-99	-99
P420664	539213	6508946	1591	-99	-99	-99	6491.38	316.11	100.9	41.5	14441.87	1673.24	158.98	7.07	-99
P420665	539283	6508758	1576	-99	-99	-99	7196.7	-99	75.99	-99	25480.25	3882.07	217.84	-99	-99
P420666	539331	6508563	1551	-99	-99	362.46	6305.25	-99	79.01	-99	23185.76	5164.21	354.84	-99	-99
P420667	539439	6508404	1523	-99	-99	-99	5978.6	270.42	116.74	39.1	12092.19	928.22	-99	-99	-99
P420668	539420	6508220	1496	-99	-99	400.06	5492.13	-99	89.4	-99	14447.19	1038.78	-99	-99	-99
P420669	539594	6508141	1474	-99	-99	456.57	6233.87	-99	100.96	39.29	10955.5	1017.01	-99	-99	-99
P420670	539708	6507976	1463	-99	-99	-99	4933.9	258.12	88.05	-99	12998.55	1259.78	-99	-99	-99
P420671	539646	6507793	1444	-99	-99	-99	4113.75	-99	100.81	-99	14950.77	1002.76	-99	-99	-99
P420672	539626	6507665	1430	-99	-99	141.6	6359.43	305.79	112.09	35.09	16604.08	1553.68	-99	7.23	-99
P420673	539639	6507585	1419	-99	-99	221.83	5271.66	251.9	86.55	44.52	12227.82	847.93	-99	8.48	-99
P420674	539668	6507473	1396	-99	-99	-99	5403.07	153.97	90.2	44.65	9139.99	747.04	-99	8.56	-99
P420675	539672	6507410	1390	-99	-99	-99	4365.57	-99	67.05	-99	13722.3	1236.78	149.1	8.96	-99
P420676	539720	6507214	1366	-99	-99	480.01	4601.98	245.34	80.57	-99	12706.97	1375.72	-99	-99	-99
P420677	539778	6507024	1370	-99	-99	-99	5317.59	358.26	127.6	-99	13537.58	1126.01	-99	-99	-99
P420678	539881	6506846	1338	-99	-99	-99	10372.37	-99	114.91	-99	34202.77	3514.05	330.28	21.74	-99
P420679	539973	6506658	1327	-99	-99	741.2	10685.98	-99	74.7	42.31	20225.74	5440.35	218.96	-99	-99
P420680	540090	6506495	1309	-99	-99	-99	6758.45	336.13	109.72	35.6	13680.39	1647.15	-99	-99	-99
P420681	540135	6506276	1279	-99	-99	213.08	5652.54	215.46	71.04	-99	9533.16	837.44	-99	-99	-99
P420682	540133	6506214	1268	-99	-99	-99	3287.05	216.3	47.19	-99	9077.58	800.43	-99	8.99	-99
P420683	540122	6506126	1233	-99	-99	363.31	10193.83	-99	118.21	70.13	13870.87	1727.05	199.87	7.69	-99
P420740	529805	6529989	1531	-99	7.59			82.05	-99	-99	5784.17		-99	2.53	-99
P420741	529881	6530008	1528	-99	45.34	596.36	6422.49	-99	94.99	-99	14326.92	1085.07	1532.45	-99	-99
P420742	529984	6530082	1520	-99	6.12			114.55	-99	69.91	10788.47		478.15	-99	-99

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P420580	110.97	47.15	1622.64	-99	-99	55.39	-99	2563.9	-99	-99	-99	210.03	43.94
P420581	113.9	57.07	2169.32	-99	-99	57.66	-99	1329.3	-99	97.28	-99	277.08	31.1
P420582	119.28	63.77	2537.28	89.42	-99	73.12	-99	1148.91	-99	120.81	-99	262.46	38.93
P420583	-99	30.48	2053.15	-99	-99	87.02	-99	3829.02	-99	148.06	-99	92.17	123.04
P420584	-99	-99	1149.05	-99	-99	-99	-99	399.2	-99	29.73	-99	-99	36.03
P420585	-99	27.13	1479.04	-99	-99	56.03	-99	3338.75	-99	-99	-99	91.74	91.52
P420586	-99	69.59	2087.37	-99	-99	42.53	14.46	3138.57	-99	154.76	-99	137.04	122.93
P420663	-99	71.85	1546.01	-99	-99	56.21	10.45	1014.3	-99	80.18	-99	140.07	108.6
P420664	-99	67.02	1991.24	-99	-99	56.65	9.27	3825.29	-99	99.3	-99	153.11	122.54
P420665	-99	79.99	2138.48	-99	-99	58.83	15.06	1481.01	-99	178.06	-99	157.77	126.8
P420666	-99	84	1822.76	-99	-99	64.37	8.5	1574.2	-99	200.41	-99	128.5	132.84
P420667	-99	66.36	1676.16	-99	-99	76.26	10.58	3013.66	-99	107.13	-99	110.14	156.85
P420668	-99	67.9	1934	-99	-99	70.63	11.93	3312.88	15.11	120.92	-99	121.26	122.51
P420669	-99	56.86	1771.1	-99	-99	95.57	9.86	3221.4	-99	100.75	-99	114.96	108.78
P420670	-99	61.29	1723.56	-99	-99	72.58	9.5	2801.05	-99	98.75	-99	131.61	107.23
P420671	-99	53.7	808.9	-99	-99	55.61	-99	391.35	-99	48.78	-99	227.1	86.06
P420672	-99	79.94	1646.76	-99	-99	63.69	15.27	2459.2	-99	134.6	-99	349.31	129.69
P420673	-99	57.24	1689.69	-99	-99	68.97	12.64	918.61	15.02	85.48	-99	146.68	121.81
P420674	-99	51.25	1933.77	-99	-99	55.99	-99	4123.52	-99	145.37	-99	280.02	100.87
P420675	-99	57.42	1195.62	-99	-99	78.47	12.42	2294.76	-99	98.06	-99	215.72	123.65
P420676	-99	65.72	1235.09	-99	-99	73.38	14.86	2345.93	-99	117.29	-99	214.51	116.27
P420677	-99	63.78	1912.81	-99	-99	68.12	9.77	3364.26	-99	138.88	-99	285.96	110.11
P420678	-99	68.74	1944.72	58.26	-99	84.09	16.85	1024.92	-99	146.44	-99	450.18	108.17
P420679	-99	69.6	1538.9	-99	-99	74.93	11.17	1751.8	-99	181.07	-99	166.62	120.99
P420680	-99	71.19	1975.72	-99	-99	63.02	12.42	2553.57	-99	106.45	-99	150.52	123.11
P420681	-99	58	1918.05	-99	-99	64.93	13.94	2328.64	-99	74.6	-99	156.24	94.67
P420682	-99	44.82	965.57	-99	-99	62.54	-99	1230.14	-99	54.19	-99	197.38	101.95
P420683	-99	47.85	2381.38	86.14	-99	75.51	10.51	3367.05	-99	175.97	-99	163.13	97.81
P420740	-99	83.91			-99	55.97	12.39	-99	-99	-99	-99	51.54	159.28
P420741	-99	94.2	2116.8	-99	-99	66.73	11.85	2695.99	16.08	-99	-99	126.86	138.85
P420742	-99	31.92			-99	22.72	6.56	950.55	6.5	-99	47.03	75.33	85.87

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P420743	530179	6530136	1506	-99	-99	1514	5912.05	305.47	88.85	95.25	14725.44	835.05	344.35	-99	-99
P420744	530310	6530137	1499	-99	10.88	-99	14013.44	-99	52.22	82.15	9152.63	2304.29	-99	16.01	171.23
P420745	530384	6530085	1488	-99	4.02			161.79	-99	63.24	14144.95		418.31	6.07	-99
P420746	530625	6530169	1449	-99	-99	2108.2	5981.35	239.03	119.89	72.72	12875.07	793.26	424.88	7.89	-99
P420747	530864	6530240	1437	-99	-99	1330.38	7375.04	179.97	117.47	41.74	10401.49	1123.42	365.37	-99	-99
P420748	531058	6530280	1395	-99	-99	2226.52	12995.8	-99	93.83	57.76	17143.58	3893.93	809.8	-99	88.04
P420749	531202	6530340	1399	-99	43.97	153.24	6582.8	-99	117.76	49.47	13400.54	1539.71	381.44	9.94	-99
P420750	531260	6530377	1390												
P420774	537135	6519752	1541	-99	22.22	533.11	15387.8	-99	70.93	34.95	13374.02	3092.32	602.19	14.69	86.61
P420775	537156	6519770	1533	-99	19.42	-99	9674.13	-99	54.75	-99	7846.16	1842.46	121.67	6.64	-99
P420776	537350	6519820	1494	-99	27.08	1360.13	19156.74	-99	82.03	48.02	11943.7	3465.32	761.61	19.74	135.31
P420777	537358	6519857	1497	-99	9.72			76.53	-99	37.51	5333.53		-99	7.08	-99
P420778	537476	6520000	1482	-99	17.95	698.76	7665.48	-99	108.33	81.17	8560.42	1130.55	396.1	16.75	-99
P420779	537509	6520151	1499	-99	23.74	748.94	5256.4	264.13	108.93	45.15	11269.39	1333.05	333.86	14.82	-99
P420780	537632	6520183	1487	-99	28.08	980.21	17718.4	-99	78.03	64.98	15421.58	3567.18	722.98	26.13	109.83
P420781	537772	6520353	1464	-99	13.64	597.41	9383.78	-99	113.61	73.8	8959.4	1864.29	232.31	26.33	122.05
P420782	537850	6520525	1456	-99	31.35	945.76	6096.09	-99	112.96	48.09	13998.4	4007.57	146.43	21.52	112.04
P420783	537851	6520581	1449	-99	7.58			124.88	-99	50.65	5702.06		-99	13.19	-99
P420784	537994	6520802	1447	-99	6.63			86.5	-99	36.73	7474.79		-99	11.97	-99
P420785	538111	6520997	1429	-99	-99	397.59	3324.63	-99	47.81	-99	6431.81	912.67	-99	16.97	-99
P420786	538237	6521177	1403	-99	13.75	732.39	6661.84	-99	94.56	41.13	5864.45	854.61	-99	15.27	-99
P420787	538302	6521402	1374	-99	13.94	697.22	18740.65	-99	95.78	-99	10472.2	3756.03	-99	18.48	-99
P420788	538296	6521439	1381	-99	-99	-99	8107.08	-99	88.53	-99	7825.14	1034.55	-99	15.27	-99
P420789	538299	6521611	1373	-99	15.55	1322.87	27627.08	-99	117.52	-99	14535.62	3624.69	442.21	16.45	98.55
P420790	538275	6521756	1362	-99	13.75	658.35	9330.77	-99	126.62	44.75	8104.1	1833.84	145.15	14.2	-99
P420791	538364	6521857	1349	-99	-99	1281.89	7388.95	-99	133.62	45.11	6842.1	1044.76	148.48	18.85	-99
P420792	538444	6522060	1331	-99	-99	-99	9216.65	-99	146.55	-99	8399.21	1137.35	-99	21.92	-99
P420793	538502	6522320	1319	-99	14.17	608.17	6255.65	-99	125.1	33.59	6587	1146.05	129.08	13.21	-99
P420794	538535	6522431	1306	-99	31.3	1166.09	13761.84	-99	100.99	-99	19312.96	6698.22	329.09	-99	-99
P420795	538454	6522546	1280	-99	17.11	995.16	37515.47	-99	66.97	-99	9648.08	5121.4	174.98	10.62	81.84
P420796	538465	6522765	1270	-99	-99	611.17	9038.14	-99	98.68	-99	9522.76	1426.85	158.23	10.43	-99

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P420743	-99	51.86	1910.13	-99	-99	32.44	14.01	3419.87	-99	-99	-99	79.74	104.71
P420744	-99	38.11	1892.08	107.06	30.13	34.43	-99	721.83	-99	201.66	-99	1194.8	47.57
P420745	-99	38.08			-99	18.25	8.42	-99	-99	-99	38.38	100.28	120.75
P420746	-99	52.38	1605.91	-99	-99	36.97	-99	3748.63	-99	91.42	-99	111.83	112.43
P420747	-99	46.35	2311.94	-99	-99	30.2	-99	2438.45	-99	100.06	-99	63.74	97.25
P420748	-99	61.01	2075.36	91.12	-99	33.3	-99	1788.37	-99	149.39	-99	104.53	118.75
P420749	-99	95.51	1754.76	-99	-99	62.7	15.71	2896.82	-99	113.3	-99	256.26	128.35
P420750													
P420774	-99	45.87	1720.06	90.14	-99	37.68	-99	1042.57	15.27	161.05	-99	468.4	101.91
P420775	-99	24.87	1619.46	-99	-99	30.64	-99	674.72	14.77	69.69	-99	189.73	46.6
P420776	-99	56.04	1723.47	117.4	-99	49.48	-99	1094.15	-99	299.99	-99	343.39	101.86
P420777	-99	24.78			-99	18.05	4.63	-99	9.07	-99	-99	157.37	51.25
P420778	-99	41.33	2178.3	51.75	-99	36.35	-99	3853.67	-99	89.26	-99	243.05	74.76
P420779	-99	47.99	1566.52	-99	-99	34.34	-99	2125.21	-99	131.73	-99	289.19	103.51
P420780	-99	47.21	2037.96	87.56	-99	42.36	8.78	1188.61	-99	230.51	-99	448.88	101.77
P420781	-99	42.54	1995.2	-99	-99	45.98	-99	2852.08	-99	131.8	-99	801.1	80.88
P420782	-99	71.03	1596.19	-99	-99	55.81	9.97	1440.06	-99	226.91	-99	553.27	140.23
P420783	-99	22.29			-99	32.01	4.73	-99	7.23	-99	-99	209.39	46.83
P420784	-99	23.37			-99	28.31	5.29	-99	6.69	-99	-99	257.36	46.64
P420785	-99	39.18	641.19	-99	-99	30.97	-99	1129.33	-99	54.01	-99	178.85	79.56
P420786	-99	26.07	2334.07	-99	-99	171.82	-99	4682.28	-99	137.97	-99	114.24	80.64
P420787	-99	53.29	1785.38	113.19	-99	63.25	-99	1243.72	-99	219.56	-99	224.52	108.13
P420788	-99	43.07	1098.79	62.57	-99	76.14	-99	908.17	-99	71.45	-99	145.1	92.34
P420789	-99	43.82	1828.65	199.6	-99	95.04	-99	1356.84	-99	174.35	-99	244.38	85.16
P420790	15.04	37.49	1994.13	-99	-99	61.72	-99	920.06	30.19	102.22	-99	311.68	83.75
P420791	-99	34.82	2172.55	75.61	-99	76.49	-99	3443.86	-99	131.7	-99	219.11	72.75
P420792	-99	-99	1855.52	36.43	-99	37.48	-99	676.54	-99	42.9	612.28	123.9	29.07
P420793	-99	35.64	1886.88	-99	-99	70.31	10.07	3664.11	-99	101.87	-99	163.26	111.2
P420794	-99	79.22	2030.06	75.57	-99	96.29	9.14	1402.57	-99	209.1	-99	144.33	113.83
P420795	-99	46.48	2117.01	272.66	-99	160.12	9.2	1831.75	20.32	228.06	-99	122.93	118.2
P420796	-99	46.94	1830.74	62.94	-99	64.73	-99	3118.41	-99	128.81	-99	303.19	90.43

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P420797	538428	6522761	1274	-99	4.71			-99	-99	46.6	4656.59		-99	4.48	-99
P420798	538551	6523038	1235	-99	33.77	-99	13718.96	-99	110.31	132.48	18095.09	1161.92	-99	25.65	-99
P420925	527045	6528715	1646	-99	17.24	169.86	4756.67	331.66	107.09	58.78	16347.12	953.68	374.07	8.36	-99
P420926	527163	6528590	1636	-99	16.91	-99	8919.71	-99	104.93	156.64	33574.67	3003.28	2103.97	-99	-99
P420927	527238	6528267	1588	-99	-99	-99	3336.95	-99	51.93	-99	7373.24	678.81	-99	-99	-99
P420928	527369	6528115	1551	-99	-99	-99	4445.97	-99	98.11	139.74	46862.7	1620.72	2584.52	-99	-99
P420929	527474	6527956	1519	-99	25.22	-99	6859.82	278.69	89.44	78.05	26234.56	1161.55	812.81	7.88	-99
P420930	527485	6528026	0	-99	-99	234.05	10313.1	-99	89.3	101.57	34952.64	2703.41	1287	-99	-99
P420931	527660	6527866	1480	-99	-99	412.02	8656.22	-99	90.61	108.44	31857.15	3476.02	1247.9	8.49	-99
P420932	527843	6527726	1445	-99	15.55	1497.81	7818.54	-99	89.13	59.32	28146.73	3479.46	985.5	-99	-99
P420933	527971	6527520	1401	-99	37.17	370.22	6037.19	324.78	112.54	-99	21750.68	1444.91	409.76	-99	-99
P420934	527978	6527522	1398	-99	-99	886.78	2116.43	-99	35.24	-99	16384.46	1075.31	533.47	-99	-99
P420935	528076	6527441	1375	-99	108.63	1065.79	6033.93	302.08	174.03	63.99	21791.62	1005.73	488.93	-99	-99
P420936	528321	6527412	1325	-99	15.83	2072.59	7644.79	-99	87.78	69.02	19110.77	3869.56	622.64	-99	-99
P420937	528566	6527367	1276	-99	25.43	1860.24	7684.5	-99	142.85	65.51	10550.03	1317.82	233	8.48	-99
P420938	528755	6527378	1240	-99	17.84			-99	-99	65.64	16713.79		473.93	3.39	70.98
P420939	528911	6527426	1211	-99	-99			-99	-99	90.55	23558.27		1041.84	-99	62.49
P420940	528977	6527369	1191	-99	-99	-99	3150.64	-99	83.54	-99	4644.24	482.65	-99	-99	-99
P420988	533138	6508504	1550	-99	-99	-99	9980.36	-99	88.13	115.18	36378.42	1175.23	839.78	-99	-99
P420989	533292	6508629	1474	-99	-99	-99	5068.49	451.73	101.02	101.58	29214.09	701.96	460.96	-99	-99
P420990	533474	6508724	1461	-99	-99	1050.95	2938.72	-99	65.61	93.07	21049.63	1044.41	802.46	-99	-99
P420991	533598	6508897	1450	-99	-99	1119.1	8278.66	-99	73.74	96.69	31745.2	2905.73	1273.91	-99	-99
P420992	533779	6508968	1422	-99	-99	668	8508.32	-99	98.26	92.65	31577.45	2182.77	1101.47	-99	-99
P420993	533909	6509113	1386	-99	-99	171.92	6046.04	315.7	114.55	84.39	19615.04	1044.33	500.03	-99	-99
P420994	534062	6509240	1370	-99	12.81	257.59	5452.7	324.69	110.04	105.67	28302.92	906.7	692.38	-99	-99
P420995	534206	6509347	1370	-99	-99	617.75	8606.28	-99	66.08	63.57	23014.21	1886.63	583.91	-99	-99
P420996	534252	6509333	1366	-99	-99	370.86	9569.2	-99	85.39	74.68	32197.69	2108.73	864.68	-99	-99
P420997	534396	6509453	1359	-99	-99	-99	10972.71	-99	68.1	39.03	24758.44	2180.3	389.49	-99	-99
P420998	534575	6509525	1345	-99	-99	262.79	7511.71	-99	106.3	71.65	24964.85	1291.49	799.13	-99	-99
P420999	534772	6509562	1333	-99	-99	298.98	3944.96	353.41	77.48	58.58	20776.89	1248.51	448.61	10.71	-99
P421000	534962	6509658	1322	-99	5.09			-99	-99	62.74	27686.18		1729.74	-99	81.16

Blue Sheep Stream Sediments - XRF Analyses
*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P420797	-99	13.61			-99	53.63	3.36	-99	-99	-99	-99	154.32	50.81
P420798	-99	48.7	1213.6	109.35	-99	91.47	-99	464.91	-99	67.11	-99	525.67	71.56
P420925	-99	39.55	1371.07	-99	-99	46.68	-99	3572.74	-99	-99	-99	66.3	98.98
P420926	-99	47.17	1481.61	-99	-99	49.92	-99	1512.79	-99	166.59	-99	149.45	102.61
P420927	-99	39.4	1214.33	-99	-99	33.6	-99	1820.76	-99	-99	-99	46.74	55.8
P420928	-99	69.09	793.63	29.51	-99	56.21	-99	754.6	-99	52.58	263.97	176.34	113.01
P420929	-99	54.85	1895.08	-99	-99	52.07	9.18	1182.85	-99	83.89	-99	78.83	113.59
P420930	-99	62.77	2431.47	-99	-99	75.57	9.44	1954.13	-99	203.05	-99	119.86	127.29
P420931	-99	80.05	1699.91	-99	-99	79.57	10.06	2048.56	-99	110.13	-99	105.78	138.16
P420932	-99	91.31	2267.71	-99	-99	59.08	-99	2266.72	-99	104.34	-99	100.42	131.66
P420933	-99	89.02	1725.41	-99	-99	59.56	-99	3781.21	-99	91.5	-99	64.13	84.44
P420934	-99	70.48	711.47	-99	-99	72.63	-99	559.57	-99	37.99	-99	88.03	135.94
P420935	-99	77.11	2159.97	-99	-99	42.09	-99	3652.95	-99	99.24	-99	100.88	113.11
P420936	-99	87.13	1796.93	-99	-99	73.94	-99	1839.71	-99	93.16	-99	78.12	122.31
P420937	-99	73.69	1864.3	-99	-99	40.55	7.55	2652.43	18.18	90.61	-99	109.63	130.87
P420938	-99	53.65			-99	33.62	11.09	1638.78	11.45	521.54	-99	152.08	99.88
P420939	-99	30.31			-99	31.29	6.28	1379.95	-99	-99	-99	105.17	93.9
P420940	-99	-99	1085.13	-99	-99	-99	-99	198.42	-99	26.48	-99	-99	28.38
P420988	-99	13.7	1840.5	-99	-99	31.18	-99	1315.83	-99	105.1	-99	68.35	51.36
P420989	-99	24.72	1878.64	-99	-99	46.12	-99	2750.99	-99	85.33	-99	70.34	73.57
P420990	-99	37.63	714.16	-99	-99	63.04	-99	1809.74	-99	100.18	-99	61.94	98.68
P420991	-99	41.77	2168.58	-99	-99	68.71	-99	2426.97	-99	153.24	-99	80.91	108.97
P420992	-99	34.28	2036	70.58	-99	65.93	7.96	1991.03	-99	124.16	-99	94	98.63
P420993	-99	28.79	2562.18	-99	-99	59.17	-99	3901.77	-99	110.45	-99	77.17	90.62
P420994	-99	27.5	1295.59	-99	-99	64.34	9.48	2929.02	-99	126.65	-99	87.41	112.45
P420995	-99	33.21	2133.26	-99	-99	65.77	9.09	1347.91	-99	107.37	-99	63.14	85.96
P420996	-99	27.5	1740.96	-99	-99	77.76	-99	2108.62	-99	123.54	-99	98.48	106.01
P420997	-99	28.84	1765.79	-99	-99	80.22	-99	1759.48	-99	133.65	-99	111.52	90.81
P420998	-99	35	2182.48	-99	-99	73.45	-99	3284.53	-99	129.37	-99	84.58	108.51
P420999	-99	27.51	1122.74	-99	-99	69.14	-99	2106.05	-99	75.95	-99	71.95	92.71
P421000	-99	20.89			-99	52.22	6.23	497.57	6.49	-99	-99	298.79	67.4

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P422551	526150	6529280	1776	-99	23.09	258.38	8428.44	555.97	419.14	-99	68799.1	1106.37	1818.66	-99	181.22
P423127	527331	6512435	1469	-99	64.52	-99	7233.8	460.47	391.27	228.16	44792.51	2770.55	1298.27	-99	455.03
P425001	525714	6530718	1561	-99	5.7			-99	-99	69	30658.83		884.66	-99	89.11
P425002	525579	6531021	1531	-99	-99	1034.89	6226.05	386.01	167.02	84.9	17630.85	1396.25	565.51	-99	81
P425003	525414	6531245	1486	-99	-99	1469.91	6654.57	-99	113.02	66.76	20086.25	3177.91	1381.25	-99	76.58
P425004	525235	6531426	1461	-99	-99	2345.26	11473.36	-99	237.59	69.99	25922.71	2575.42	1055.67	-99	102.47
P425005	525053	6531469	1438	-99	-99	2051.07	7959.73	-99	157.03	80.41	24576.36	2941.38	989.17	-99	-99
P425006	525000	6531430	1434	-99	-99	-99	8109.69	-99	159.97	160.35	39072.72	1766.78	3130.94	11.49	265.13
P425007	525117	6532003	1422	-99	-99	1554.5	7088.79	-99	129.49	53.18	21005.76	2157.88	754.4	-99	-99
P425008	541271	6510358	1407	-99	-99	785.21	18722.36	-99	50.04	39.1	21615.49	6414.94	242.15	-99	-99
P425010	541552	6510676	1389	-99	-99	691.31	19394.19	-99	47.77	-99	16712.53	4748.77	259.07	-99	-99
P425011	541676	6510729	1396	-99	-99	736.94	16307.29	-99	65.31	40.57	24034.58	7450.16	505.27	-99	-99
P425012	541688	6510877	1385	-99	-99	812.25	21236.7	-99	-99	57.2	20765.39	5769.67	307.62	-99	107.63
P425013	541859	6511090	1381	-99	-99	727.43	17767.37	-99	44.84	47.53	20472.96	5625.48	242.97	-99	-99
P425014	541867	6511356	1365	-99	-99	521.75	11029.59	-99	103.51	50.42	14853.73	2414.63	184.36	-99	-99
P425015	541818	6511359	1373	-99	44.27	617.91	19278.52	-99	62.51	50.35	20073.52	5964.97	427.14	-99	-99
P425016	541882	6511634	1359	-99	-99	-99	3315.86	-99	96.03	-99	13121.45	685.22	-99	14.09	-99
P425017	542016	6511897	1334	-99	-99	732.11	15164.07	-99	63.34	35.89	19202.66	5505.34	367.95	7.66	-99
P425018	542028	6511899	1333	-99	-99	793.59	16104.05	-99	47.72	-99	27658.07	5922.92	788.56	-99	-99
P425019	542054	6512134	1320	-99	-99	579.82	15464.26	-99	-99	39.5	18624.57	4759.83	235.77	-99	-99
P425020	542206	6512364	1279	-99	-99	768.63	20132.13	-99	62.66	-99	20459	5150.03	264.28	-99	-99
P425021	542288	6512541	1297	-99	-99	497.58	17590.6	-99	66.2	36.21	16271.2	3982.97	464.18	-99	-99
P425022	542352	6512802	1299	-99	-99	684.48	18910.49	-99	66.39	-99	18218.65	5062.64	378.86	-99	-99
P425023	542379	6512803	1300	-99	21.81	-99	7723.26	212.37	115.42	37.45	13317.22	1138.19	228.67	9.63	-99
P425024	542430	6513071	1209	-99	-99	770.63	12728.29	-99	-99	37.45	19032.47	6164.29	276.68	-99	-99
P425025	542475	6513117	1245	-99	-99	354.29	33395.29	-99	56.44	63.68	18332.19	7329.83	439.74	-99	-99
P425026	542454	6513401	1234	-99	15.41	366.47	15523.72	-99	60.48	-99	24532.42	5932.23	701.2	-99	-99
P425027	542564	6513667	1228	-99	-99	-99	9668.45	226.34	109.45	63.44	10084.17	847.22	1386.27	-99	-99
P425028	542535	6513815	1215	-99	-99	839.84	20735.4	-99	75.76	-99	18420.75	6994.34	457.91	-99	-99
P425029	542101	6521231	1455	-99	43.79	642.97	21192.73	-99	88.04	52.61	21218.09	5134.55	262.99	-99	-99
P425030	542150	6521011	1426	-99	33.34	405.59	8140.74	310.68	112.76	55.3	15295.22	1550.54	195.26	-99	-99

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P422551	-99	5.74	-99	-99	-99	12.87	-99	7144.69	-99	398.78	-99	74.93	136.46
P423127	110.24	29.24	-99	-99	-99	42.52	-99	1245.99	-99	113.04	-99	289.1	61.24
P425001	-99	26.2			-99	27.5	6.32	-99	-99	-99	-99	79.82	70.07
P425002	-99	36.68	2098.73	-99	-99	38.29	-99	4164.07	-99	110.8	-99	87.93	105.4
P425003	-99	52.68	1575.57	-99	-99	39.72	12.07	5162.52	-99	111.37	-99	104.35	103.14
P425004	-99	47.05	1768.04	73.09	-99	40.52	-99	2084.52	-99	142	-99	72.53	109.15
P425005	-99	43.71	1610.62	-99	-99	34.26	-99	1550.71	-99	128.95	-99	80.14	100.71
P425006	-99	68.78	2290.34	-99	-99	74.94	-99	1040.08	-99	-99	-99	162.71	115.38
P425007	-99	47.48	1686.59	-99	-99	39.65	-99	1384.76	-99	108.59	-99	73.14	100.95
P425008	-99	71.55	2077.77	-99	-99	149.98	15.65	1529.72	-99	131.88	-99	101.05	123.01
P425010	-99	61.05	1979.21	99.09	-99	165.12	12.8	1323.15	-99	154.54	-99	79.66	122.72
P425011	-99	95.97	1889.86	-99	-99	137.04	17.6	1750.9	-99	147.86	-99	91.23	111.24
P425012	-99	70.23	2559.3	120.57	-99	203.03	9.45	1455.24	-99	138.26	-99	120.87	93.94
P425013	-99	74.91	1418.18	97.36	-99	139.26	-99	1544.19	-99	125.9	-99	103.69	95.1
P425014	-99	49.95	1365.19	-99	-99	112.61	-99	643.77	-99	58.14	-99	66.05	97.73
P425015	16.37	65.7	1742.42	155.69	-99	119.86	19.62	1302.54	-99	143.78	-99	125.59	97.31
P425016	-99	47.67	980.36	-99	-99	97.5	-99	1650.68	-99	-99	-99	77.04	71.78
P425017	-99	71.77	2154.61	-99	-99	128.46	-99	1386.62	-99	145.86	-99	112.1	107.72
P425018	29.82	72.15	1833.5	75.76	-99	131.49	9.72	1612.95	-99	133.89	-99	160.16	87.34
P425019	-99	70.6	1451.27	-99	-99	121.32	17.9	1235.51	16.62	167.58	-99	106.09	107.49
P425020	-99	68.71	1891.12	145.17	-99	141.59	9.34	1431.7	-99	169.07	-99	120.66	102.24
P425021	14.09	62.4	1809.81	-99	-99	120.09	8.57	7181.74	-99	111.02	-99	122.9	113.04
P425022	-99	75.56	1741.86	141.84	-99	139.97	11.58	1193	-99	129.13	-99	103.73	98.5
P425023	18.71	51.19	2176.01	80.73	-99	77	9.7	3562.75	-99	-99	-99	142.73	131.9
P425024	-99	86.04	1440.99	-99	-99	112.09	15.47	1500.32	20.91	146.95	-99	107.12	110.64
P425025	-99	68.45	1991.96	189.25	-99	73.11	-99	1761.11	-99	-99	-99	54.47	323.38
P425026	-99	81.92	1970.75	-99	-99	108.68	14.56	1618.46	-99	151.01	-99	125.15	144.32
P425027	148.1	36.1	2168.6	120.19	-99	120.21	-99	4014.5	-99	100.85	-99	557.32	88.9
P425028	22.67	84.7	1710.55	110	-99	115.16	-99	1832.68	-99	111.85	-99	160.71	135.59
P425029	-99	83.32	1957.41	176.17	-99	203.72	21.01	1483.44	-99	-99	-99	78.43	100.68
P425030	-99	69.42	1700.19	-99	-99	181.78	18.57	3730.16	-99	124.71	-99	77.97	90.1

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P425031	542149	6520961	1420	-99	-99	602.52	14234.05	-99	73.77	-99	22420.41	5191.43	159.33	-99	-99
P425032	542254	6520903	1406	-99	17.27	401.39	8071.21	370.36	123.64	36.78	14894.47	1238.64	258.04	-99	-99
P425033	542436	6520804	1393	-99	-99	431.92	5440.11	276.18	84.32	-99	16891.57	1109.69	200.52	-99	-99
P425034	542700	6520750	1368												
P425035	542965	6520714	1352	-99	19.63	158.86	7167.51	-99	117.53	59.47	12671.79	1308.69	161.76	-99	-99
P425036	543039	6520713	1349	-99	-99	451.13	16086.38	-99	79.49	45.25	22955.53	4907.09	182.63	-99	-99
P425037	543276	6520663	1333	-99	16.75	392.85	6831.61	371.74	78.41	56.84	14373.39	1101.66	206.11	-99	-99
P425038	543526	6520603	1314	-99	14.01	383.58	9159.97	237.19	119.45	52.13	17261.91	1390.51	181.53	-99	-99
P425039	543783	6520540	1305	-99	34.95	365.65	12530.62	-99	64.2	-99	20192.17	3200.79	-99	-99	-99
P425040	544072	6520431	1293	-99	-99	228	6894.15	277.13	75.82	-99	12642.63	1121.5	186.76	-99	-99
P425041	544386	6520326	1278	-99	15.12	444.21	19151.56	-99	59.2	-99	20549.62	5382.3	253.13	-99	-99
P425042	544660	6520272	1268	-99	-99	199.25	7468.67	353.58	97.28	63.68	15072.33	1122.54	-99	8.98	-99
P425043	544838	6520420	1263	-99	-99	-99	6027.94	343.33	97.99	36.02	11127.97	1187.88	127.75	-99	-99
P425044	545080	6520536	1245	-99	-99	751.45	16745.32	311.44	67.25	-99	21664.18	4563.22	348.19	-99	-99
P425045	545321	6520594	1243	-99	-99	-99	8288.17	-99	108.59	65.17	17763.29	1390.18	-99	7.92	-99
P425046	545567	6520673	1221	-99	-99	338.73	6104.36	236.47	112.54	44.27	10085.21	1017.27	157.9	-99	-99
P425047	545839	6520743	1220	-99	-99	583.12	14818.46	-99	73.48	-99	24533.61	4315.06	234.73	-99	-99
P425048	546112	6520779	1190	-99	-99	230.72	7710.2	340.46	54.53	37.05	12703.33	1351.45	207.24	-99	-99
P425049	546328	6520877	1174	-99	-99	172.06	6427.82	300.01	83.49	-99	12896.24	967.99	159.15	-99	-99
P425051	531439	6530474	1377	-99	13.61	1785.99	7605.11	-99	138.1	70.56	12133.2	889.99	509.47	-99	-99
P425052	531651	6530492	0	-99	13.79	1687.32	6170.52	284.45	89.48	45.93	11647.99	1104.05	380.88	-99	76.19
P425053	531877	6530504	1329	-99	26.48	4006.53	18643.96	-99	72.96	65.93	14743.31	8342.98	459.43	14.84	100.73
P425054	531992	6530564	1312	-99	-99	2178.53	5683.12	280.03	120.2	87.48	11271.04	1108.17	228.11	11.65	-99
P425055	532197	6530555	1255	-99	-99	1821.31	6640.45	166.36	133.67	61.33	7613.57	999.6	223.17	-99	-99
P425056	532408	6530609	1237	-99	6.38			151.81	-99	62.48	8132.43		250.04	6.32	-99
P425057	532416	6530601	1239	-99	7.79			81.97	-99	30.56	7024.3		-99	3.32	-99
P425058	532604	6530680	1181	-99	-99	2257.38	6934.76	160.61	115.7	-99	7032.56	955.68	247.71	7.31	67.24
P425059	532822	6530792	1169	-99	-99	1921.96	6406.79	-99	108.12	48.59	9626.18	1198.27	376.85	-99	-99
P425060	533017	6530923	1176	-99	-99	744.63	7798.62	248.51	101.56	-99	14385.36	1082.57	215.31	-99	-99
P425061	533126	6530996	1131	-99	-99	2552.92	20095.76	-99	60.4	41.83	17614.56	4668.79	569.27	-99	-99
P425110	547865	6509173	2487	-99	-99	-99	8181.04	-99	-99	-99	14682.33	7529.22	1761.65	9.33	-99

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P425031	-99	92.53	1645.45	-99	-99	142.47	12.54	1561.47	-99	109.38	-99	91.78	110.17
P425032	-99	71.92	2070.78	81.42	-99	181.8	14.53	3423.28	-99	132.7	-99	59.94	94.2
P425033	-99	72.21	1471.07	-99	-99	153.58	13.94	1923.1	-99	68.93	-99	98.29	96.56
P425034													
P425035	-99	64.77	1810.43	-99	-99	152.12	15.01	3464.54	-99	94.4	-99	65.01	81.1
P425036	-99	90.96	1813.68	104.8	-99	173.37	13.4	1709.58	-99	99.77	-99	79.51	122.73
P425037	-99	69.51	1760.42	-99	-99	164.16	11.1	2988.18	-99	67.84	-99	48.25	104.51
P425038	-99	69.95	2547.68	-99	-99	166.89	16.23	3301.92	-99	118.33	-99	68.54	109.23
P425039	-99	68.59	1540.77	101.78	-99	164.51	14.39	1003.23	-99	67.55	-99	50.02	91.93
P425040	-99	66.17	2155.9	46.68	-99	150.64	9.98	3305.5	-99	95.45	-99	71.97	90.62
P425041	-99	78.05	2601.9	125.91	-99	183.22	16.79	1560.02	-99	-99	-99	70.43	110.36
P425042	-99	61.34	1541.2	-99	-99	150.62	16.52	3399.32	-99	86.07	-99	65.56	108.06
P425043	-99	57.8	1756.01	-99	-99	137.72	14.52	4015.19	-99	115.39	-99	71.92	97.71
P425044	-99	82.34	1418.03	131.74	-99	178.69	13.05	1348.4	-99	87.83	-99	73.06	102.92
P425045	-99	67.79	2315.69	-99	-99	172.33	12.37	3525.87	-99	89.53	-99	62.73	97.06
P425046	-99	62.74	2039.2	-99	-99	146.73	13.97	4728.13	-99	163.43	-99	55.49	101.43
P425047	-99	80.83	1493.18	140.2	-99	157.54	10.97	1395.95	-99	92.99	-99	72.63	97.85
P425048	-99	65.28	1756.52	-99	-99	131.15	-99	2213.96	-99	90.75	-99	70	96.35
P425049	-99	62.16	2279.39	-99	-99	124.93	16.61	2815.05	-99	86.95	-99	64.79	117.81
P425051	-99	55.48	1949.64	49.34	-99	31.29	-99	2053.6	-99	88.98	-99	125.39	122.24
P425052	-99	54.03	1814.14	-99	-99	41.93	-99	3103.59	-99	-99	-99	137.67	127.19
P425053	-99	83.02	2341.61	87.51	-99	75.88	-99	1669.56	20.34	290.56	-99	251.06	193.41
P425054	-99	55.65	1330.86	-99	-99	51.13	-99	2595.85	-99	-99	-99	160.54	160.79
P425055	-99	53.97	2111.01	-99	-99	57.02	-99	4294.89	-99	-99	-99	110.36	117.03
P425056	-99	33.2			-99	40.77	9.33	-99	7.02	-99	-99	185.17	82.34
P425057	-99	36.95			-99	44.12	3.77	-99	6.14	-99	-99	203.98	54.86
P425058	-99	43.41	1786.53	-99	-99	48.94	-99	2910.12	15.03	143.16	-99	103.73	107.04
P425059	-99	58.79	1527.34	-99	-99	68.09	8.86	2783.5	-99	73.54	-99	119.4	113.11
P425060	-99	73.73	1602.76	69.48	-99	142.14	15.79	2444.36	-99	84.18	-99	83.79	106.1
P425061	-99	67.31	2444.73	116.5	-99	97.77	-99	1590.79	-99	124.91	-99	134.37	145.02
P425110	22.06	143.79	2373.45	-99	-99	183.75	9.05	1258.8	102.59	-99	-99	160.9	84.97

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	E_N83Z9	N_N83Z9	Elev_m	Ag	As	Ba	Ca	Co	Cr	Cu	Fe	K	Mn	Mo	Ni
P425111	547795	6509408	2383	-99	-99	-99	6286.75	-99	-99	-99	8711.63	5018.71	606.82	-99	-99
P425112	547613	6509590	2342	-99	-99	-99	7365.49	-99	-99	-99	6526.64	3801.36	270.94	-99	-99
P425113	547557	6509827	2319	-99	-99	335.36	7413.27	-99	-99	-99	10752.77	5189.82	320.79	-99	-99
P425114	547395	6509968	2300	-99	-99	-99	7452.01	-99	-99	-99	8145.46	2984.43	-99	-99	-99
P425115	547325	6510114	2290	-99	-99	227.29	6108.45	-99	49.75	33.34	12129.38	4396.16	471	-99	-99
P425116	547301	6510104	2293	-99	-99	-99	6678.37	-99	-99	-99	4948.33	2980.19	-99	-99	-99
P425117	547135	6510375	2273	-99	-99	277.04	8325.79	-99	51.1	-99	10065.69	6139.23	269.18	-99	-99
P425118	546971	6510588	2251	-99	-99	-99	7684.15	-99	46.54	-99	7830.97	4060.45	218.79	-99	-99
P425119	546922	6510643	2242	-99	-99	415.09	6594.97	-99	-99	-99	18558.52	6782.74	229.62	-99	-99
P425120	546887	6510643	2246	-99	-99	-99	4741.4	-99	-99	32.19	5750.98	2342.34	-99	6.91	-99
P425121	546879	6510844	2229	-99	-99	450.75	7777.91	-99	52.49	-99	11105.13	6055.91	389	-99	-99
P425122	546892	6511046	2218	-99	-99	-99	8390.03	-99	-99	41.37	18870.9	7934.89	416.54	-99	-99
P425123	546838	6511245	2209	-99	-99	488.89	6718.97	-99	65.27	-99	13208.06	4593.08	294.04	-99	-99
P425124	546796	6511300	2208	-99	-99	-99	7408.57	-99	44.1	-99	10547.64	5157.77	-99	-99	-99
P425125	546793	6511444	2203	-99	14.59	-99	8018.06	-99	92.68	-99	13759.81	4184.67	829.02	-99	-99
P425126	546823	6511667	2194	-99	14.03	-99	7526.74	-99	82.13	-99	22824.25	6561.87	-99	-99	-99
P425127	546844	6511877	2190	-99	-99	-99	7645.48	-99	43.72	-99	17498.53	6321.22	260.32	-99	-99
P425128	546832	6512122	2179	-99	-99	159.09	5673.41	-99	-99	-99	11946.99	4131.08	255.67	-99	-99
P425129	546831	6512175	1399	-99	-99	-99	6013.66	-99	110.51	42.77	12966.04	1266.15	-99	-99	-99
P425201	535154	6509727	1309	-99	-99	415.13	7584.49	-99	82.22	-99	31545.63	2198.57	826.6	-99	-99
P425202	535349	6509781	1305	-99	16.47	-99	4701.59	304.06	90.64	75.97	17063.24	885.17	478.75	-99	-99
P425203	535550	6509847	1290	-99	-99	383.99	7576.1	-99	110.76	69.72	18392.02	1268.26	882.79	-99	-99
P425204	535753	6509838	1272	-99	-99	-99	6103.97	216.08	108.2	53.5	13986.65	948.17	335.87	-99	-99
P425205	535957	6509831	1256	-99	13.33	-99	9169.52	-99	103.95	90.93	24436.63	1907.58	596.92	-99	-99
P425206	536152	6509860	1240	-99	-99	172.34	5891.78	298.65	92.99	73.44	16963.78	1248.5	363.9	-99	-99
P425207	536240	6509889	1234	-99	23.16	389.78	15632.15	234.58	60.58	74.69	19407.5	3390.01	875.42	11.82	210.38
P425208	546104	6520674	1277	-99	20.18	1160.87	9334.39	-99	40.47	52.06	11469.02	3714.5	159.12	10.02	-99

Blue Sheep Stream Sediments - XRF Analyses

*Note: -99 = less than detection limit

Sample	Pb	Rb	S	Sc	Se	Sr	Th	Ti	U	V	W	Zn	Zr
P425111	36.13	128.32	1191.01	-99	-99	158.52	11.55	972.14	25.68	55.55	-99	138.56	63.36
P425112	-99	66.1	2001.69	-99	-99	176.36	-99	907.25	19.23	69.84	-99	69.1	68.63
P425113	16.9	86.37	1479.07	-99	-99	256.39	-99	1075.05	-99	80.37	-99	70.41	125.56
P425114	-99	62.46	1753.35	-99	-99	155.18	7.31	848.23	15.91	-99	-99	51.48	73.19
P425115	-99	80.59	1861.2	-99	-99	173.17	9.07	982.64	18.67	-99	-99	61.07	102.71
P425116	-99	44.26	1997.49	-99	-99	139.25	-99	688.12	28.06	-99	-99	59.52	41.61
P425117	-99	76.7	2216.91	-99	-99	219.53	9.08	1095.86	-99	81.74	-99	50.49	78.4
P425118	-99	54.24	1302.69	-99	-99	211.97	-99	789.2	14.18	-99	-99	73.14	57.53
P425119	-99	107.11	1503.74	-99	-99	221.61	-99	1165.58	-99	87.41	-99	78.96	106.08
P425120	-99	47	1476.25	-99	-99	150.88	7.43	3247.42	-99	71.77	-99	73.59	91.43
P425121	16.15	80.12	1364.96	-99	-99	210.37	-99	1296.18	-99	74.43	-99	63.92	199.33
P425122	-99	85.57	1409	-99	-99	176.61	-99	1454.02	-99	81.25	-99	82.23	138.19
P425123	-99	66.04	1619.26	-99	-99	171.34	-99	962.74	17.14	-99	-99	54.88	124.99
P425124	-99	69.63	1640.86	-99	-99	172.44	9.77	1297.71	-99	63.52	-99	62.75	122.34
P425125	-99	74.25	1599.99	-99	-99	171.51	9.84	841.75	-99	66.1	-99	90.44	147.56
P425126	-99	94.99	1660.2	-99	-99	149.44	14.54	2093.82	-99	-99	81.05	87.77	286.4
P425127	-99	91.35	1947.29	-99	-99	196.43	9.02	1735.67	19.29	79.03	-99	68.49	217.23
P425128	-99	69.88	1245	-99	-99	147.74	-99	858.62	-99	-99	-99	67.16	156.27
P425129	-99	77.18	1970.39	-99	-99	108.65	12.35	3847.44	-99	-99	-99	46.67	283.45
P425201	-99	35.31	1028.05	-99	-99	76.96	-99	1848.49	-99	83.91	-99	123.74	112.77
P425202	-99	28.25	1579.64	-99	-99	71.63	-99	2854.78	-99	74.51	-99	115.15	94.07
P425203	-99	27.81	1674.98	-99	-99	110.42	8.46	4016.78	-99	148.44	-99	164.45	93.96
P425204	-99	25.12	2031.15	-99	-99	76.03	-99	4459.84	-99	99.18	-99	102.4	102.99
P425205	-99	32.41	1830.59	-99	-99	68.55	-99	1155.39	13.83	-99	-99	155.47	90.19
P425206	-99	31.88	1358.03	42.38	-99	67.01	-99	2968	17.32	95.1	-99	121	123.7
P425207	-99	47.82	1743.28	148.29	-99	61.56	8.35	1295.13	-99	133.81	-99	914.3	117.81
P425208	-99	44.39	1745.18	50.22	-99	73.67	-99	940.2	-99	124.78	-99	430.19	111.02

Appendix I

Part B

Stream Sediment and Moss Mat Sample

Analytical Results

Au & ICP Analyses by ALS Chemex Laboratories

Sample	Easting N83Z9	Northing N83Z9	Elev m	Au ppm	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
P420295	526157	6529290	1770	0.014	14	0.2	1.43	17	<10	370	<0.5	0.01	0.42	0.1	41	50	207	5.07	<10	<1	0.04
P420296	526125	6529683	1707	0.012	12	0.2	1.33	14	<10	320	<0.5	0.01	0.38	0.1	32	45	181	4.7	<10	<1	0.04
P420297	526095	6529962	1660	0.016	16	0.2	1.36	19	<10	320	<0.5	0.01	0.54	0.1	30	49	145	4.54	<10	<1	0.04
P420298	525966	6530304	1612	0.029	29	0.1	1.42	15	<10	290	<0.5	0.01	0.55	0.1	26	51	120	4.24	<10	<1	0.04
P420299	525966	6530307	1612	0.009	9	0.1	1.51	5	<10	220	<0.5	0.01	0.42	0.1	29	154	104	3.59	<10	<1	0.03
P420300	525838	6530535	1594	0.011	11	0.1	1.46	9	<10	250	<0.5	0.01	0.44	0.1	26	128	105	3.64	<10	<1	0.03
P420555	526198	6524870	1625	0.006	6	0.6	2.36	12	<10	240	1.4	0.01	1	0.1	28	58	99	4.03	10	1	0.14
P420556	526268	6524857	1617	0.005	5	0.3	1.73	5	<10	230	1.3	0.01	0.85	0.1	13	53	62	2.62	10	<1	0.12
P420557	526581	6525215	1533	0.006	6	0.2	1.52	10	<10	200	1.1	0.01	0.62	0.1	16	48	52	2.85	10	<1	0.09
P420558	526661	6525328	1516	0.008	8	0.2	1.35	5	<10	190	0.8	0.01	0.63	0.1	11	41	38	2.52	<10	<1	0.07
P420559	526822	6525452	1488	0.005	5	0.1	1.46	10	<10	200	0.8	0.01	0.67	0.1	15	48	46	2.83	10	<1	0.09
P420560	527047	6525510	1403	0.006	6	0.2	1.48	10	<10	210	0.9	8	0.9	0.1	16	51	58	2.82	10	<1	0.09
P420561	527078	6525543	1387	0.008	8	0.7	1.65	9	<10	300	1.1	0.01	0.67	0.1	16	57	130	3.01	10	<1	0.11
P420562	527037	6525918	1395	0.007	7	0.3	1.49	12	<10	310	1	0.01	1.21	0.6	17	54	90	2.98	<10	<1	0.12
P420563	527244	6525723	1314	0.006	6	0.2	1.19	7	<10	210	0.9	0.01	0.95	0.5	13	49	68	2.44	<10	<1	0.08
P420564	527398	6525793	1274	0.001	1	0.2	1.18	8	<10	250	0.8	0.01	1.19	0.6	13	46	70	2.5	<10	<1	0.08
P420565	532207	6513710	1617	0.001	1	0.6	1.43	29	<10	300	<0.5	0.01	1.39	0.7	15	57	76	2.62	<10	<1	0.07
P420566	532220	6513719	1618	0.001	1	0.6	1.75	38	<10	330	0.5	0.01	1.22	0.8	21	64	90	3.2	10	<1	0.06
P420567	532238	6513796	1622	0.008	8	0.6	3.29	46	<10	420	1.4	0.01	0.79	3.1	100	55	234	3.58	10	<1	0.06
P420568	532301	6513814	1621	0.005	5	0.3	1.63	22	<10	350	0.5	0.01	0.67	1.5	17	65	54	2.72	<10	<1	0.05
P420569	532337	6513815	1622	0.032	32	0.3	1.83	23	<10	410	0.6	0.01	1.14	2.2	16	66	69	2.97	10	<1	0.08
P420570	532330	6513850	1623	0.005	5	0.3	1.66	31	<10	580	0.6	0.01	0.84	3.1	20	56	66	3.26	10	<1	0.06
P420571	532409	6513911	1631	0.001	1	0.3	1.55	22	<10	510	0.5	0.01	0.93	3.3	17	54	65	2.63	<10	<1	0.06
P420572	532501	6513669	1618	0.008	8	0.7	1.18	119	<10	280	0.5	0.01	0.79	11.1	17	31	86	3.44	<10	<1	0.19
P420573	532446	6513605	1611	0.007	7	0.6	0.99	59	<10	260	<0.5	0.01	1.14	18.1	13	28	65	2.41	<10	<1	0.16
P420574	532417	6513602	1610	0.001	1	0.5	0.65	594	<10	390	<0.5	0.01	1.56	11.4	10	21	55	12.05	<10	<1	0.12
P420575	532386	6513613	1608	0.001	1	0.2	1.82	39	<10	320	<0.5	0.01	0.61	0.7	21	65	74	3.69	10	<1	0.04
P420576	531113	6512773	1466	0.006	6	0.3	2.96	40	<10	330	0.6	0.01	0.77	0.1	33	110	173	4.82	10	<1	0.07
P420577	531198	6512753	1468	0.007	7	0.3	3.08	36	<10	340	0.7	0.01	0.79	0.1	38	112	201	5.01	10	<1	0.08
P420578	531293	6512757	1469	0.006	6	0.3	1.76	85	<10	430	0.6	0.01	0.87	5.4	30	57	88	3.66	<10	<1	0.08
P420579	531330	6512816	1472	0.012	12	0.6	4.87	61	<10	210	<0.5	3	0.88	1	89	456	350	4.23	10	<1	0.46
P420580	527386	6512397	1479	0.008	8	0.4	4.4	57	<10	190	<0.5	3	0.79	1.3	84	395	306	3.98	10	<1	0.36

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P420295	20	0.89	3880	3	<0.01	128	1150	22	0.03	<2	9	29	<20	0.01	<10	<10	63	<10	234
P420296	20	0.77	3080	2	0.01	96	1070	20	0.03	<2	8	24	<20	0.02	<10	<10	59	<10	192
P420297	10	0.86	2650	1	<0.01	84	940	15	0.06	<2	9	23	<20	0.03	<10	<10	65	<10	153
P420298	10	0.91	1900	1	0.01	65	850	11	0.06	<2	9	18	<20	0.05	<10	<10	69	<10	120
P420299	10	2.21	1120	1	0.01	139	490	6	0.01	<2	6	19	<20	0.05	<10	<10	49	<10	79
P420300	10	1.88	1260	0.5	0.01	119	540	7	0.02	<2	6	19	<20	0.06	<10	<10	52	<10	88
P420555	40	0.78	765	0.5	0.01	50	1040	41	0.11	<2	5	59	<20	0.03	<10	20	55	<10	167
P420556	30	0.58	501	0.5	0.01	38	810	28	0.1	<2	4	52	<20	0.04	<10	10	38	<10	152
P420557	20	0.67	754	0.5	0.01	38	640	21	0.06	<2	5	31	<20	0.06	<10	10	52	<10	107
P420558	20	0.55	496	0.5	0.01	28	760	17	0.12	<2	3	30	<20	0.04	<10	10	41	<10	92
P420559	20	0.67	639	0.5	0.01	40	730	18	0.07	<2	5	35	<20	0.05	<10	10	49	<10	103
P420560	20	0.67	757	0.5	0.01	42	890	19	0.1	<2	5	45	<20	0.04	<10	10	48	<10	112
P420561	50	0.75	1065	1	0.01	56	820	17	0.05	<2	10	29	<20	0.05	<10	10	51	<10	141
P420562	20	0.82	1015	1	0.01	48	1170	16	0.12	<2	6	37	<20	0.05	<10	10	55	<10	146
P420563	20	0.59	672	0.5	0.01	40	850	15	0.09	<2	4	41	<20	0.04	<10	10	41	<10	100
P420564	20	0.65	749	0.5	0.01	45	980	13	0.1	<2	4	44	<20	0.04	<10	10	43	<10	126
P420565	10	0.74	984	1	0.01	56	1230	22	0.34	<2	3	39	<20	0.03	<10	10	49	<10	140
P420566	20	0.87	1040	1	0.01	77	1140	29	0.17	2	4	34	<20	0.03	<10	10	61	<10	173
P420567	110	0.93	10050	2	0.01	541	1150	32	0.1	<2	5	33	<20	0.04	<10	10	62	<10	935
P420568	10	0.84	519	2	0.01	74	900	17	0.13	2	3	20	<20	0.07	<10	<10	51	<10	207
P420569	10	0.96	652	2	0.01	81	940	18	0.11	2	3	25	<20	0.07	<10	<10	51	<10	193
P420570	10	0.86	980	4	0.01	102	950	18	0.07	3	3	23	<20	0.06	<10	10	53	<10	278
P420571	10	0.78	573	3	0.01	87	1010	15	0.17	2	3	24	<20	0.06	<10	10	48	<10	224
P420572	20	0.58	1210	18	0.01	154	1350	18	0.1	6	3	39	<20	0.05	<10	20	63	<10	625
P420573	10	0.52	582	6	0.01	115	1280	13	0.26	3	3	40	<20	0.05	<10	10	44	<10	423
P420574	10	0.43	629	29	0.01	88	1400	10	0.2	7	2	49	<20	0.03	<10	10	45	<10	438
P420575	10	1.01	1480	2	<0.01	61	800	12	0.04	<2	4	20	<20	0.06	<10	10	57	<10	130
P420576	20	1.75	1435	1	0.02	97	910	19	0.05	2	8	26	<20	0.07	<10	<10	88	<10	145
P420577	20	1.89	1500	0.5	0.01	103	880	18	0.04	<2	9	22	<20	0.09	<10	<10	94	<10	147
P420578	20	0.92	1895	3	0.01	111	990	20	0.08	2	4	28	<20	0.06	<10	<10	53	<10	368
P420579	<10	5.56	887	0.5	0.08	719	310	177	0.04	<2	9	45	<20	0.07	<10	<10	92	<10	354
P420580	<10	4.86	1040	0.5	0.07	632	380	166	0.03	<2	8	45	<20	0.07	<10	<10	85	<10	315

Sample	Easting N83Z9	Northing N83Z9	Elev m	Au ppm	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
P420581	527362	6512643	1435	0.009	9	0.5	4.67	57	<10	210	<0.5	3	0.9	1.5	87	426	327	4.14	10	<1	0.39
P420582	527328	6512610	1440	0.008	8	0.5	4.67	59	<10	190	<0.5	2	0.74	1.1	84	416	306	4.13	10	<1	0.28
P420583	527332	6512385	0	0.005	5	0.2	2.63	78	<10	130	0.6	0.01	0.68	0.6	27	152	101	3.47	10	<1	0.1
P420584	526553	6510192	1459	0.012	12	0.3	3.96	120	<10	170	0.7	0.01	0.44	0.1	41	268	123	4.26	10	<1	0.07
P420585	527613	6510377	1646	0.01	10	0.2	3.21	62	<10	110	0.7	0.01	0.66	0.1	36	264	133	4.66	10	<1	0.1
P420586	527320	6509937	1620	0.009	9	0.5	0.95	26	<10	150	0.6	0.01	0.95	2.4	11	13	43	2.94	<10	<1	0.08
P420663	539079	6509096	1606	0.001	1	0.4	1.67	5	<10	90	0.5	0.01	0.78	1.7	18	23	38	3.36	<10	<1	0.06
P420664	539213	6508946	1591	0.001	1	0.4	1.57	6	<10	80	<0.5	0.01	0.9	3	20	22	48	3.32	<10	<1	0.07
P420665	539283	6508758	1576	0.001	1	0.3	1.58	5	<10	80	<0.5	0.01	0.68	2.1	17	22	30	3.11	<10	<1	0.07
P420666	539331	6508563	1551	0.001	1	0.3	1.54	3	<10	110	<0.5	0.01	0.63	2.3	14	23	23	2.62	<10	<1	0.05
P420667	539439	6508404	1523	0.001	1	0.4	1.45	4	<10	110	<0.5	0.01	1.02	2.4	12	22	25	2.64	<10	<1	0.08
P420668	539420	6508220	1496	0.001	1	0.3	1.37	5	<10	90	<0.5	0.01	0.65	1.5	12	22	28	2.83	<10	<1	0.06
P420669	539594	6508141	1474	0.001	1	0.2	1.05	6	<10	80	<0.5	0.01	2.69	1.5	12	20	25	2.45	<10	<1	0.07
P420670	539708	6507976	1463	0.001	1	0.3	1.47	6	<10	130	<0.5	2	1.13	2.7	12	23	26	2.79	<10	<1	0.08
P420671	539646	6507793	1444	0.001	1	0.3	1.24	4	<10	110	<0.5	0.01	1.2	3.1	11	21	24	2.58	<10	<1	0.07
P420672	539626	6507665	1430	0.001	1	0.5	1.82	7	<10	160	0.5	0.01	0.77	2.2	11	26	25	3.12	<10	1	0.08
P420673	539639	6507585	1419	0.001	1	0.3	1.2	5	<10	90	<0.5	0.01	1.05	2.6	12	21	23	2.61	<10	<1	0.06
P420674	539668	6507473	1396	0.001	1	0.7	1.32	9	<10	110	<0.5	0.01	1.13	5.9	10	21	25	2.53	<10	<1	0.07
P420675	539672	6507410	1390	0.001	1	0.3	1.18	6	<10	90	<0.5	0.01	1.28	3.3	11	21	23	2.49	<10	1	0.07
P420676	539720	6507214	1366	0.001	1	0.5	1.19	7	<10	90	<0.5	0.01	0.85	3.5	11	20	26	2.61	<10	<1	0.06
P420677	539778	6507024	1370	0.001	1	0.5	1.41	7	<10	120	<0.5	0.01	0.98	4.9	12	22	29	2.79	<10	<1	0.08
P420678	539881	6506846	1338	0.006	6	0.5	1.12	7	<10	110	<0.5	2	1.44	4.3	11	18	27	2.47	<10	<1	0.06
P420679	539973	6506658	1327	0.001	1	0.2	1.26	4	<10	80	<0.5	0.01	1.17	2.1	12	19	26	2.65	<10	<1	0.05
P420680	540090	6506495	1309	0.001	1	0.2	1.29	5	<10	90	<0.5	0.01	0.88	3.2	12	20	22	2.6	<10	<1	0.06
P420681	540135	6506276	1279	0.001	1	0.2	1.19	4	<10	80	<0.5	0.01	3.55	2.8	10	18	22	2.54	<10	<1	0.05
P420682	540133	6506214	1268	0.001	1	0.2	1.28	5	<10	90	<0.5	0.01	2.33	3.1	10	19	23	2.51	<10	<1	0.06
P420683	540122	6506126	1233	0.001	1	0.2	0.99	5	<10	70	<0.5	0.01	7.5	1.8	9	13	21	2.17	<10	<1	0.04
P420740	529805	6529989	1531	0.001	1	0.1	0.53	16	<10	540	0.6	0.01	0.25	0.1	5	18	20	1.23	<10	<1	0.05
P420741	529881	6530008	1528	0.001	1	0.2	1.09	50	<10	1190	0.7	0.01	0.53	0.8	8	25	29	2.76	<10	<1	0.08
P420742	529984	6530082	1520	0.006	6	0.2	0.88	21	<10	590	<0.5	0.01	0.55	0.1	11	26	80	2.49	<10	<1	0.05
P420743	530179	6530136	1506	0.006	6	0.1	0.96	18	<10	660	<0.5	0.01	0.52	0.7	8	29	74	4.53	<10	<1	0.05
P420744	530310	6530137	1499	0.001	1	0.8	0.36	23	<10	470	0.5	0.01	4.01	28.3	7	25	87	1.79	<10	<1	0.07

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P420581	<10	5.24	1085	0.5	0.07	688	390	170	0.04	<2	9	43	<20	0.07	<10	<10	90	<10	343
P420582	<10	5.02	1095	0.5	0.05	637	350	156	0.03	<2	8	39	<20	0.07	<10	<10	90	<10	306
P420583	10	1.78	775	0.5	0.02	138	780	23	0.05	<2	6	21	<20	0.11	<10	<10	84	<10	100
P420584	10	2.78	965	0.5	0.02	316	710	44	0.05	<2	8	22	<20	0.12	<10	<10	99	<10	127
P420585	10	2.61	952	0.5	0.01	226	920	14	0.07	<2	10	18	<20	0.08	<10	<10	121	<10	102
P420586	20	0.68	378	3	<0.01	35	1300	16	0.05	2	3	43	<20	<0.01	<10	<10	36	<10	227
P420663	30	0.99	481	3	0.01	52	1020	25	0.07	<2	2	37	<20	0.02	<10	10	33	<10	191
P420664	30	1.06	491	3	0.01	58	1110	24	0.07	2	2	40	<20	0.02	<10	<10	34	<10	215
P420665	30	1.02	422	3	0.01	43	1080	23	0.07	<2	1	32	<20	0.02	<10	10	36	<10	208
P420666	30	1.04	383	3	<0.01	40	930	18	0.14	<2	1	31	<20	0.02	<10	10	37	<10	176
P420667	30	1.03	326	2	0.01	40	1080	14	0.05	<2	1	47	<20	0.02	<10	<10	41	<10	171
P420668	40	1.04	350	3	0.01	43	1040	21	0.03	<2	2	30	<20	0.02	<10	<10	43	<10	156
P420669	40	1.11	340	4	0.01	45	1140	16	0.03	3	2	83	<20	0.03	<10	<10	35	<10	159
P420670	30	1.15	318	3	0.01	47	1220	17	0.05	<2	2	45	<20	0.03	<10	<10	43	<10	238
P420671	30	1.05	301	3	0.01	46	1350	15	0.04	2	1	46	<20	0.02	<10	10	40	<10	301
P420672	30	1.21	309	2	0.01	55	1550	25	0.06	<2	1	39	<20	0.02	<10	10	41	<10	538
P420673	40	1.04	326	4	0.01	45	1200	15	0.03	<2	1	41	<20	0.02	<10	<10	40	<10	248
P420674	30	0.98	283	4	0.01	70	1410	17	0.08	2	1	53	<20	0.02	<10	10	39	<10	547
P420675	40	0.98	311	4	0.01	49	1240	15	0.03	2	1	49	<20	0.02	<10	<10	37	<10	280
P420676	30	0.98	262	3	0.01	53	1270	16	0.04	<2	1	36	<20	0.02	<10	<10	40	<10	373
P420677	30	1.14	305	3	0.01	57	1270	16	0.06	<2	1	42	<20	0.02	<10	10	43	<10	417
P420678	30	0.93	257	3	0.01	52	1340	15	0.1	3	1	59	<20	0.02	<10	10	40	<10	382
P420679	40	1.06	350	3	0.01	44	1070	14	0.03	2	1	41	<20	0.02	<10	<10	32	<10	224
P420680	40	1.05	276	2	0.01	45	1150	13	0.03	<2	1	33	<20	0.02	<10	<10	34	<10	294
P420681	30	0.99	281	3	0.01	42	1110	15	0.03	3	1	51	<20	0.02	<10	10	33	<10	267
P420682	30	1.05	263	2	0.01	42	1130	14	0.04	2	1	47	<20	0.02	<10	10	34	<10	285
P420683	30	0.82	238	2	0.01	36	930	14	0.02	2	1	64	<20	0.01	<10	<10	27	<10	211
P420740	10	0.24	261	0.5	0.01	20	500	8	0.01	<2	2	15	<20	0.04	<10	<10	21	<10	52
P420741	10	0.36	4290	1	0.01	57	820	10	0.06	2	2	41	<20	0.03	<10	10	29	<10	145
P420742	20	0.65	915	3	0.01	52	610	9	0.08	<2	3	26	<20	0.02	<10	<10	29	<10	130
P420743	20	0.67	749	4	0.01	43	550	9	0.08	<2	3	25	<20	0.03	<10	<10	32	<10	126
P420744	10	1.26	293	19	0.01	326	1980	14	0.29	7	1	47	<20	0.01	<10	10	64	<10	1460

Sample	Easting	Northing	Elev	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	N83Z9	N83Z9	m	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	%	ppm	ppm	%
P420745	530384	6530085	1488	0.006	6	0.1	0.97	14	<10	570	<0.5	0.01	0.55	0.9	11	29	77	2.54	<10	<1	0.05
P420746	530625	6530169	1449	0.006	6	0.2	0.99	15	<10	620	<0.5	0.01	0.47	0.8	12	30	83	2.68	<10	<1	0.05
P420747	530864	6530240	1437	0.001	1	0.2	0.9	17	<10	620	<0.5	0.01	1.12	0.7	11	26	68	2.51	<10	<1	0.05
P420748	531058	6530280	1395	0.007	7	0.2	0.94	20	<10	780	<0.5	0.01	2.07	1.1	15	26	74	2.62	<10	<1	0.05
P420749	531202	6530340	1399	0.006	6	0.5	0.93	50	<10	1100	0.7	0.01	0.69	0.6	8	24	40	1.99	<10	<1	0.11
P420750	531260	6530377	1390	0.008	8	0.2	0.85	16	<10	560	<0.5	0.01	1.74	1	11	24	62	2.33	<10	<1	0.05
P420774	537135	6519752	1541	0.001	1	0.4	0.43	28	<10	450	<0.5	0.01	3.79	12.8	15	13	56	2.26	<10	<1	0.05
P420775	537156	6519770	1533	0.001	1	0.4	0.64	38	<10	500	<0.5	0.01	2.5	8.6	8	26	48	1.81	<10	<1	0.06
P420776	537350	6519820	1494	0.001	1	0.4	0.31	26	<10	420	<0.5	0.01	4.98	9	12	10	50	1.92	<10	<1	0.04
P420777	537358	6519857	1497	0.008	8	0.3	0.35	26	<10	530	<0.5	0.01	2.19	5.4	9	15	45	1.73	<10	<1	0.04
P420778	537476	6520000	1482	0.001	1	0.4	0.34	27	<10	420	<0.5	0.01	4.25	7.5	13	11	47	2.07	<10	<1	0.04
P420779	537509	6520151	1499	0.005	5	0.7	0.67	33	<10	670	<0.5	0.01	0.91	23.3	10	20	48	2.72	<10	<1	0.07
P420780	537632	6520183	1487	0.001	1	0.4	0.46	24	<10	440	<0.5	0.01	4.42	10.3	12	14	51	2.07	<10	<1	0.06
P420781	537772	6520353	1464	0.001	1	0.4	0.37	24	<10	350	<0.5	0.01	5.03	9.7	11	12	47	1.86	<10	<1	0.05
P420782	537850	6520525	1456	0.005	5	1.1	0.41	27	<10	550	<0.5	0.01	0.48	10.2	9	15	67	2.22	<10	<1	0.1
P420783	537851	6520581	1449	0.001	1	0.5	0.36	23	<10	400	<0.5	2	5.06	9.1	10	13	46	1.86	<10	<1	0.06
P420784	537994	6520802	1447	0.001	1	0.6	0.38	21	<10	390	<0.5	3	5.09	10	11	13	48	1.83	<10	<1	0.06
P420785	538111	6520997	1429	0.001	1	0.5	0.39	16	<10	480	<0.5	2	2.07	6.8	6	16	35	1.47	<10	<1	0.05
P420786	538237	6521177	1403	0.001	1	0.2	0.18	13	<10	470	<0.5	3	8.8	3.7	8	6	24	1.62	<10	<1	0.04
P420787	538302	6521402	1374	0.001	1	0.4	0.3	15	<10	400	<0.5	2	4.19	3.4	7	11	28	1.55	<10	<1	0.04
P420788	538296	6521439	1381	0.001	1	0.1	0.22	8	<10	320	<0.5	3	5.98	2.2	5	8	14	1.31	<10	<1	0.04
P420789	538299	6521611	1373	0.001	1	0.4	0.27	16	<10	480	<0.5	3	6.32	6.3	9	10	35	1.68	<10	<1	0.05
P420790	538275	6521756	1362	0.001	1	0.7	0.67	20	<10	790	0.5	2	3.5	6.2	8	22	35	1.99	<10	<1	0.06
P420791	538364	6521857	1349	0.001	1	0.4	0.28	15	<10	510	<0.5	3	6.14	6.3	9	9	32	1.74	<10	<1	0.05
P420792	538444	6522060	1331	0.005	5	0.4	0.27	18	<10	460	<0.5	3	7.2	5.4	8	10	34	1.65	<10	<1	0.05
P420793	538502	6522320	1319	0.001	1	0.2	0.23	11	<10	580	<0.5	3	8.4	3.1	8	7	25	1.66	<10	<1	0.05
P420794	538535	6522431	1306	0.005	5	0.3	0.48	40	<10	150	<0.5	3	4.19	1.7	11	8	27	2.49	<10	<1	0.04
P420795	538454	6522546	1280	0.001	1	0.2	0.2	14	<10	380	<0.5	2	8.8	3	7	6	23	1.61	<10	<1	0.04
P420796	538465	6522765	1270	0.001	1	0.5	0.47	24	<10	460	<0.5	3	5.48	7.3	11	12	40	2.07	<10	<1	0.06
P420797	538428	6522761	1274	0.001	1	0.3	0.23	11	<10	400	<0.5	3	13	4.4	5	5	22	1.15	<10	<1	0.03
P420798	538551	6523038	1235	0.001	1	0.5	0.32	17	<10	310	<0.5	3	12.4	3.8	7	6	28	1.33	<10	1	0.04
P420925	527045	6528715	1646	0.031	31	0.4	1.59	43	<10	480	<0.5	3	1.37	0.1	20	66	131	4.34	10	<1	0.07

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P420745	20	0.69	1200	2	0.01	57	580	9	0.07	<2	3	25	<20	0.02	<10	<10	31	<10	149
P420746	20	0.71	1030	2	0.01	55	650	10	0.1	2	3	26	<20	0.03	<10	<10	33	<10	144
P420747	20	0.99	1010	2	0.01	54	630	10	0.08	<2	3	28	<20	0.03	<10	<10	30	<10	149
P420748	20	1.59	1220	3	0.01	72	620	15	0.05	<2	3	33	<20	0.02	<10	<10	32	<10	205
P420749	20	0.32	486	5	0.01	41	670	12	0.04	3	3	33	<20	0.03	<10	10	29	<10	135
P420750	10	1.34	948	3	<0.01	55	590	11	0.06	2	2	29	<20	0.02	<10	<10	27	<10	168
P420774	10	1.99	989	22	0.01	165	1060	28	0.08	10	3	45	<20	0.02	<10	10	31	<10	718
P420775	10	0.71	501	6	0.01	145	1160	12	0.13	5	1	60	<20	0.01	<10	20	28	<10	418
P420776	10	1.93	810	20	0.01	144	930	16	0.09	8	2	53	<20	0.01	<10	10	27	<10	460
P420777	10	0.96	299	12	0.01	83	1220	12	0.08	6	2	34	<20	0.01	<10	10	27	<10	329
P420778	10	1.95	842	17	0.01	116	1040	14	0.1	7	2	49	<20	0.01	<10	<10	29	<10	442
P420779	10	0.44	1195	13	0.01	159	1160	11	0.1	3	2	46	<20	0.01	<10	10	31	<10	582
P420780	10	2.12	747	15	0.01	141	1120	14	0.09	8	2	50	<20	0.02	<10	10	33	<10	594
P420781	10	1.79	564	16	0.01	119	1190	12	0.11	10	2	61	<20	0.02	<10	10	33	<10	543
P420782	20	0.13	217	15	0.01	131	1570	12	0.08	5	2	56	<20	<0.01	<10	10	40	<10	775
P420783	10	1.73	460	20	0.01	117	1460	13	0.09	7	2	62	<20	0.02	<10	<10	37	<10	543
P420784	10	1.7	502	17	0.02	119	1340	11	0.08	7	2	61	<20	0.02	<10	<10	34	<10	601
P420785	10	1.01	180	11	0.01	68	1490	7	0.06	4	1	34	<20	0.01	<10	<10	32	<10	332
P420786	10	2.45	238	15	0.01	64	1070	10	0.04	6	2	187	<20	0.01	<10	<10	23	<10	229
P420787	10	1.41	183	13	0.01	65	1290	9	0.05	5	1	74	<20	0.01	<10	<10	26	<10	305
P420788	10	1.62	164	8	0.01	44	1060	7	0.04	4	1	101	<20	0.01	<10	<10	19	<10	167
P420789	10	2.02	350	17	0.01	86	1210	10	0.06	7	2	119	<20	0.01	<10	<10	29	<10	382
P420790	10	1.44	266	9	0.01	92	1750	38	0.09	7	2	44	<20	0.02	<10	10	41	<10	686
P420791	10	2.28	339	15	0.01	86	1170	10	0.05	6	2	129	<20	0.01	<10	<10	27	<10	386
P420792	10	2.01	313	17	0.01	81	1200	9	0.05	7	2	126	<20	0.01	<10	<10	30	<10	356
P420793	10	3.01	206	13	0.02	60	1220	11	0.04	6	2	181	<20	0.01	<10	<10	23	<10	211
P420794	10	1.55	258	7	0.02	37	1440	13	0.04	6	2	87	<20	0.01	<10	<10	23	<10	194
P420795	10	2.22	211	13	0.01	58	1160	9	0.03	5	2	179	<20	0.01	<10	<10	22	<10	200
P420796	10	1.77	463	12	0.02	90	1250	12	0.05	6	2	86	<20	0.01	<10	<10	33	<10	471
P420797	10	5.76	251	7	0.02	66	770	11	0.09	4	1	111	<20	0.01	<10	<10	17	<10	449
P420798	10	5.02	331	8	0.02	61	790	15	0.05	7	1	106	<20	0.01	<10	<10	21	<10	335
P420925	10	1	1105	3	0.02	55	1500	10	0.14	3	9	45	<20	0.02	<10	<10	80	<10	127

Sample	Easting N83Z9	Northing N83Z9	Elev m	Au ppm	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
P420926	527163	6528590	1636	0.022	22	0.4	1.69	20	<10	500	0.5	0.01	1.09	0.1	26	87	151	4.17	10	<1	0.08
P420927	527238	6528267	1588	0.021	21	0.1	0.98	4	<10	220	0.5	2	1.01	0.1	7	72	37	1.75	<10	<1	0.08
P420928	527369	6528115	1551	0.013	13	0.3	1.24	14	<10	380	<0.5	2	0.69	0.5	20	48	124	3.87	<10	<1	0.06
P420929	527474	6527956	1519	0.005	5	0.3	1.63	37	<10	360	0.7	2	1.25	0.1	24	70	112	4.35	10	<1	0.08
P420930	527485	6528026	0	0.007	7	0.2	1.65	20	<10	460	0.6	0.01	1.03	0.1	26	68	114	4.43	10	<1	0.08
P420931	527660	6527866	1480	0.007	7	0.3	1.45	18	<10	680	0.6	3	0.78	0.1	23	59	116	4.17	10	<1	0.08
P420932	527843	6527726	1445	0.008	8	0.3	1.4	17	<10	950	0.5	2	0.75	0.1	21	57	111	4.01	<10	<1	0.06
P420933	527971	6527520	1401	0.009	9	0.2	1.89	68	<10	420	0.5	2	1.09	0.1	29	122	56	5.05	10	<1	0.07
P420934	527978	6527522	1398	0.001	1	0.2	1.12	14	<10	1040	<0.5	2	0.59	0.1	16	45	74	3.21	<10	<1	0.05
P420935	528076	6527441	1375	0.022	22	0.5	1.41	182	<10	380	<0.5	2	0.7	0.1	30	90	98	4.52	<10	<1	0.07
P420936	528321	6527412	1325	0.005	5	0.2	1.05	16	<10	920	0.5	2	0.64	0.1	16	43	75	3.07	<10	<1	0.05
P420937	528566	6527367	1276	0.005	5	0.5	0.59	34	<10	820	<0.5	2	0.31	0.5	12	23	71	2.7	<10	<1	0.04
P420938	528755	6527378	1240	0.001	1	0.6	0.53	41	<10	880	<0.5	2	0.28	0.7	11	20	76	2.74	<10	<1	0.03
P420939	528911	6527426	1211	0.006	6	0.2	1.58	13	<10	570	<0.5	2	0.7	0.1	20	47	102	3.77	10	<1	0.05
P420940	528977	6527369	1191	0.001	1	0.5	1.38	32	<10	740	<0.5	0.01	0.77	1.1	20	47	97	3.8	10	<1	0.06
P420988	533138	6508504	1550	0.001	1	0.1	3.33	5	<10	220	<0.5	0.01	0.73	0.1	50	176	175	5.5	10	<1	0.07
P420989	533292	6508629	1474	0.001	1	0.2	3.32	8	<10	210	0.5	3	0.7	0.1	43	163	181	5.67	10	<1	0.07
P420990	533474	6508724	1461	0.005	5	0.1	2.01	6	<10	240	<0.5	0.01	0.38	0.1	35	70	134	4.33	10	<1	0.05
P420991	533598	6508897	1450	0.001	1	0.1	1.87	6	<10	210	<0.5	2	0.41	0.1	28	73	112	4.09	10	<1	0.05
P420992	533779	6508968	1422	0.001	1	0.1	1.97	9	<10	200	<0.5	0.01	0.45	0.1	28	75	111	4.12	10	<1	0.06
P420993	533909	6509113	1386	0.006	6	0.1	1.97	10	<10	210	<0.5	0.01	0.44	0.1	30	75	114	4.09	10	<1	0.05
P420994	534062	6509240	1370	0.005	5	0.1	2.14	11	<10	210	<0.5	0.01	0.45	0.1	30	82	121	4.35	10	<1	0.05
P420995	534206	6509347	1370	0.001	1	0.2	1.87	16	<10	170	<0.5	0.01	0.55	0.1	21	56	96	3.73	<10	<1	0.06
P420996	534252	6509333	1366	0.001	1	0.1	1.81	12	<10	180	<0.5	0.01	0.46	0.1	22	56	91	3.38	<10	<1	0.05
P420997	534396	6509453	1359	0.001	1	0.3	1.57	11	<10	160	<0.5	0.01	0.83	0.9	16	57	61	2.82	<10	<1	0.05
P420998	534575	6509525	1345	0.001	1	0.1	1.88	13	<10	170	<0.5	0.01	0.61	0.5	22	63	89	3.53	<10	<1	0.06
P420999	534772	6509562	1333	0.001	1	0.1	1.94	14	<10	190	<0.5	0.01	0.61	0.7	21	64	86	3.57	10	<1	0.06
P421000	534962	6509658	1322	0.001	1	0.2	1.64	15	<10	360	<0.5	0.01	0.79	19.5	24	49	76	3.72	<10	<1	0.06
P425001	525714	6530718	1561	0.01	10	0.1	1.37	8	<10	220	<0.5	0.01	0.4	0.1	24	118	98	3.3	<10	<1	0.03
P425002	525579	6531021	1531	0.011	11	0.1	1.41	9	<10	240	<0.5	0.01	0.41	0.1	24	122	98	3.37	<10	<1	0.03
P425003	525414	6531245	1486	0.181	181	0.1	1.13	13	<10	330	<0.5	0.01	0.5	0.1	17	58	63	3	<10	<1	0.03
P425004	525235	6531426	1461	0.007	7	0.1	1.42	8	<10	230	<0.5	0.01	0.42	0.1	24	112	97	3.44	<10	<1	0.03

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P420926	20	1.06	2370	3	0.02	68	1320	18	0.12	3	9	34	<20	0.03	<10	<10	81	<10	163
P420927	10	0.6	225	2	0.02	31	870	8	0.58	<2	5	21	<20	0.04	<10	10	39	<10	69
P420928	10	0.77	1825	3	0.02	61	1400	13	0.05	2	6	28	<20	0.05	<10	<10	59	<10	152
P420929	10	1.02	1625	3	0.02	63	1140	12	0.09	3	9	27	<20	0.06	<10	<10	85	<10	110
P420930	10	1.14	1840	3	0.02	66	1220	13	0.08	2	9	31	<20	0.06	<10	<10	81	<10	143
P420931	10	0.97	1510	3	0.02	64	1100	12	0.13	2	9	25	<20	0.06	<10	<10	72	<10	134
P420932	10	0.89	1335	3	0.02	57	980	12	0.09	2	8	25	<20	0.06	<10	<10	69	<10	130
P420933	10	1.71	1070	2	0.03	73	950	5	0.06	3	15	25	<20	0.06	<10	<10	102	<10	83
P420934	10	0.76	910	2	0.02	45	740	8	0.13	<2	6	19	<20	0.06	<10	<10	56	<10	99
P420935	20	1.1	1310	3	0.02	117	790	10	0.06	2	11	22	<20	0.03	<10	<10	66	<10	172
P420936	10	0.73	909	2	0.02	44	770	7	0.11	2	6	22	<20	0.05	<10	<10	52	<10	108
P420937	10	0.35	612	6	0.01	65	680	8	0.05	2	3	22	<20	0.03	<10	<10	28	<10	201
P420938	10	0.29	614	8	0.02	76	690	8	0.05	3	3	24	<20	0.03	<10	<10	25	<10	257
P420939	10	1.14	1200	3	0.01	65	840	11	0.04	2	5	44	<20	0.08	<10	<10	66	<10	152
P420940	10	0.99	1080	5	0.02	80	910	10	0.06	3	6	59	<20	0.06	<10	<10	62	<10	227
P420988	10	2.97	1440	1	0.02	124	930	4	0.06	2	12	19	<20	0.09	<10	<10	122	<10	93
P420989	10	2.69	1160	1	0.02	112	890	7	0.05	3	12	18	<20	0.12	<10	<10	129	<10	106
P420990	10	1.46	1935	1	0.02	66	480	13	0.01	2	8	11	<20	0.17	<10	<10	94	<10	103
P420991	10	1.38	1470	1	0.02	62	510	9	0.02	2	6	11	<20	0.16	<10	<10	87	<10	93
P420992	10	1.42	1315	1	<0.01	64	540	11	0.03	<2	7	12	<20	0.18	<10	<10	90	<10	95
P420993	10	1.42	1365	1	<0.01	66	530	10	0.03	<2	7	12	<20	0.16	<10	<10	88	<10	92
P420994	10	1.48	1140	2	<0.01	72	650	15	0.04	<2	7	12	<20	0.14	<10	<10	91	<10	101
P420995	10	1.15	1080	1	<0.01	53	620	9	0.03	<2	5	14	<20	0.15	<10	<10	67	<10	87
P420996	10	1.11	1020	1	<0.01	52	590	8	0.03	<2	5	12	<20	0.13	<10	<10	66	<10	74
P420997	10	0.91	636	1	<0.01	49	690	7	0.05	<2	4	24	<20	0.14	<10	<10	57	<10	111
P420998	10	1.21	1125	1	<0.01	56	630	8	0.04	<2	5	19	<20	0.14	<10	<10	70	<10	89
P420999	10	1.21	1130	1	<0.01	57	700	7	0.04	<2	5	17	<20	0.14	<10	<10	72	<10	102
P421000	10	1.01	3210	8	<0.01	223	950	8	0.05	<2	4	23	<20	0.1	<10	<10	64	<10	618
P425001	10	1.78	1115	1	<0.01	115	500	7	0.01	<2	5	17	<20	0.05	<10	<10	45	<10	85
P425002	10	1.84	1130	1	<0.01	118	510	6	0.01	<2	5	19	<20	0.05	<10	<10	47	<10	87
P425003	10	0.64	2010	1	<0.01	53	590	11	0.03	<2	3	20	<20	0.05	<10	<10	46	<10	111
P425004	10	1.75	1165	1	<0.01	113	520	7	0.02	<2	5	18	<20	0.05	<10	<10	48	<10	86

Sample	Easting N83Z9	Northing N83Z9	Elev m	Au ppm	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
P425005	525053	6531469	1438	0.01	10	0.1	1.41	10	<10	240	<0.5	0.01	0.44	0.1	24	109	97	3.44	<10	<1	0.03
P425006	525000	6531430	1434	0.01	10	0.2	1.41	17	<10	290	<0.5	0.01	0.61	0.1	22	134	96	4.07	<10	<1	0.06
P425007	525117	6532003	1422	0.014	14	0.1	1.32	10	<10	210	<0.5	0.01	0.42	0.1	20	103	85	3.28	<10	<1	0.03
P425008	541271	6510358	1407	0.001	1	0.3	1.24	7	<10	90	<0.5	0.01	5.04	0.9	14	16	43	2.65	<10	<1	0.06
P425009	541406	6510468	1398	0.001	1	0.2	1.15	9	<10	80	<0.5	0.01	5.27	0.9	13	15	34	2.52	<10	<1	0.05
P425010	541552	6510676	1389	0.001	1	0.3	1.31	8	<10	90	<0.5	0.01	4.88	0.9	13	17	36	2.73	<10	<1	0.06
P425011	541676	6510729	1396	0.01	10	0.2	3.25	12	<10	270	0.8	0.01	4.1	0.6	14	37	36	3.26	10	<1	0.42
P425012	541688	6510877	1385	0.001	1	0.2	1.19	10	<10	100	<0.5	0.01	4.91	0.8	13	16	39	2.5	<10	<1	0.06
P425013	541859	6511090	1381	0.001	1	0.3	1.42	10	<10	90	<0.5	0.01	4.78	0.8	14	17	34	2.73	<10	<1	0.07
P425014	541867	6511356	1365	0.001	1	0.3	1.26	10	<10	90	<0.5	0.01	5.03	0.8	12	16	33	2.51	<10	<1	0.06
P425015	541818	6511359	1373	0.001	1	0.7	0.84	40	<10	70	<0.5	0.01	5.55	0.9	10	13	27	2.38	<10	<1	0.04
P425016	541882	6511634	1359	0.001	1	0.3	1.28	12	<10	80	<0.5	0.01	5.07	0.8	12	16	30	2.54	<10	<1	0.07
P425017	542016	6511897	1334	0.001	1	0.4	1.28	16	<10	80	<0.5	0.01	5.38	0.8	12	16	30	2.5	<10	<1	0.07
P425018	542028	6511899	1333	0.001	1	1.1	2.65	28	<10	180	0.7	0.01	4.91	1.4	11	30	27	3.01	10	<1	0.23
P425019	542054	6512134	1320	0.001	1	0.7	1.32	21	<10	90	<0.5	0.01	4.86	0.9	12	17	32	2.58	<10	<1	0.07
P425020	542206	6512364	1279	0.001	1	0.5	1.42	21	<10	90	<0.5	0.01	5.25	0.8	13	18	36	2.79	<10	<1	0.07
P425021	542288	6512541	1297	0.001	1	0.5	1.32	20	<10	90	<0.5	0.01	5.61	1	12	16	35	2.61	<10	<1	0.07
P425022	542352	6512802	1299	0.001	1	0.5	1.36	19	<10	80	<0.5	0.01	5.34	1	12	17	31	2.61	<10	<1	0.07
P425023	542379	6512803	1300	0.001	1	0.9	1.57	29	<10	110	0.5	0.01	5.33	1.2	9	17	22	2.73	<10	<1	0.12
P425024	542430	6513071	1209	0.001	1	0.4	1.62	20	<10	80	<0.5	0.01	4.53	1	13	20	28	2.91	<10	<1	0.09
P425025	542475	6513117	1245	0.001	1	0.3	0.61	20	<10	40	<0.5	0.01	8	0.1	11	7	15	2.6	<10	<1	0.1
P425026	542454	6513401	1234	0.001	1	0.4	1.44	23	<10	80	<0.5	0.01	5.1	0.9	12	18	27	2.85	<10	<1	0.09
P425027	542564	6513667	1228	0.001	1	1.9	0.4	56	<10	190	<0.5	0.01	12.2	2	11	5	38	2.39	<10	<1	0.04
P425028	542535	6513815	1215	0.001	1	0.6	1.14	26	<10	80	<0.5	3	6	1.3	13	16	30	2.88	<10	<1	0.08
P425029	542101	6521231	1455	0.005	5	0.2	1.23	59	<10	30	<0.5	3	5.34	0.1	15	17	38	3.24	<10	<1	0.02
P425030	542150	6521011	1426	0.001	1	0.2	1.18	57	<10	30	<0.5	2	5.04	0.1	15	16	33	3.18	<10	<1	0.02
P425031	542149	6520961	1420	0.001	1	0.2	1.26	20	<10	40	<0.5	2	3.66	0.5	17	17	37	3.3	<10	<1	0.03
P425032	542254	6520903	1406	0.001	1	0.2	1.3	43	<10	30	<0.5	2	4.81	0.1	16	18	35	3.31	<10	<1	0.02
P425033	542436	6520804	1393	0.001	1	0.1	1.33	33	<10	30	<0.5	2	4.51	0.1	17	18	36	3.3	<10	<1	0.02
P425034	542700	6520750	1368	0.001	1	0.1	1.28	38	<10	30	<0.5	2	4.96	0.1	16	18	31	3.25	<10	<1	0.02
P425035	542965	6520714	1352	0.001	1	0.1	1.3	31	<10	30	<0.5	2	5.08	0.1	15	18	41	3.23	<10	<1	0.02
P425036	543039	6520713	1349	0.001	1	0.1	1.37	20	<10	30	<0.5	2	4.58	0.1	19	22	37	3.68	<10	<1	0.02

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P425005	10	1.68	1195	1	<0.01	110	540	9	0.02	<2	5	18	<20	0.05	<10	<10	49	<10	93
P425006	10	1.03	3190	1	<0.01	338	890	19	0.09	<2	5	29	<20	0.02	<10	<10	53	<10	132
P425007	10	1.51	1100	1	<0.01	111	530	7	0.02	<2	5	15	<20	0.06	<10	<10	49	<10	88
P425008	30	1.24	350	3	0.02	36	810	20	0.07	<2	2	155	<20	0.02	<10	<10	29	<10	106
P425009	30	1.24	320	3	0.02	34	810	18	0.07	<2	2	162	<20	0.02	<10	<10	27	<10	98
P425010	30	1.31	341	2	0.02	35	850	19	0.06	<2	2	151	<20	0.02	<10	<10	29	<10	105
P425011	30	2.29	483	1	0.2	36	670	17	0.03	<2	4	112	<20	0.11	<10	<10	52	<10	113
P425012	40	1.27	316	2	0.02	33	840	18	0.06	2	2	145	<20	0.02	<10	<10	28	<10	102
P425013	30	1.4	338	2	0.03	34	770	18	0.05	<2	2	137	<20	0.02	<10	<10	30	<10	106
P425014	40	1.39	333	2	0.02	32	830	21	0.06	<2	2	145	<20	0.02	<10	<10	28	<10	101
P425015	30	1.95	403	2	0.01	30	910	30	0.02	3	1	116	<20	0.01	<10	<10	21	<10	113
P425016	30	1.5	382	2	0.03	32	790	21	0.04	<2	2	137	<20	0.02	<10	<10	27	<10	104
P425017	30	1.59	368	2	0.03	31	770	23	0.04	<2	2	139	<20	0.02	<10	<10	26	<10	107
P425018	30	2.78	896	1	0.18	28	740	84	0.03	6	3	102	<20	0.08	<10	<10	44	<10	212
P425019	30	1.68	408	2	0.03	33	860	31	0.04	5	2	119	<20	0.03	<10	<10	29	<10	138
P425020	30	1.75	459	2	0.03	32	770	31	0.04	3	2	131	<20	0.02	<10	<10	28	<10	132
P425021	30	1.77	482	2	0.03	31	770	31	0.04	3	2	138	<20	0.02	<10	<10	27	<10	146
P425022	30	1.73	475	2	0.04	31	800	36	0.03	3	2	133	<20	0.03	<10	<10	28	<10	147
P425023	20	3.38	754	0.5	0.06	21	970	47	0.05	2	2	60	<20	0.04	<10	<10	27	<10	170
P425024	30	1.64	589	1	0.04	29	740	30	0.02	4	2	111	<20	0.03	<10	<10	30	<10	154
P425025	20	3.23	746	0.5	0.02	22	710	23	0.02	2	1	114	<20	0.02	<10	<10	11	<10	61
P425026	20	1.86	626	1	0.04	29	720	32	0.03	3	2	116	<20	0.03	<10	<10	26	<10	147
P425027	20	5.93	2610	1	0.01	30	760	186	0.005	13	1	120	<20	0.02	<10	<10	14	<10	323
P425028	20	2.51	709	3	0.04	27	840	57	0.04	6	2	125	<20	0.03	<10	<10	24	<10	184
P425029	50	1.32	329	2	0.01	27	610	16	0.08	3	2	166	20	<0.01	<10	<10	11	10	78
P425030	50	1.28	318	2	0.01	29	620	16	0.08	4	2	156	<20	<0.01	<10	<10	11	10	77
P425031	40	1.07	349	2	0.01	30	880	18	0.05	<2	3	125	<20	0.01	<10	<10	14	<10	91
P425032	50	1.3	316	2	0.01	30	680	16	0.08	2	2	155	<20	<0.01	<10	<10	12	10	83
P425033	40	1.24	333	2	0.01	30	700	16	0.06	4	2	152	<20	<0.01	<10	<10	12	<10	81
P425034	50	1.27	309	2	0.01	29	750	16	0.08	2	2	164	<20	0.01	<10	<10	12	10	78
P425035	40	1.28	325	2	0.01	28	700	16	0.06	2	2	170	<20	<0.01	<10	<10	12	<10	77
P425036	40	1.09	296	1	0.01	35	850	19	0.05	2	3	154	<20	<0.01	<10	<10	14	<10	84

Sample	Easting	Northing	Elev	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	N83Z9	N83Z9	m	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	%	ppm	ppm	%
P425037	543276	6520663	1333	0.001	1	0.2	1.28	32	<10	30	<0.5	3	5.14	0.1	17	18	36	3.32	<10	<1	0.02
P425038	543526	6520603	1314	0.001	1	0.1	1.29	26	<10	30	<0.5	2	4.83	0.1	16	18	34	3.33	<10	<1	0.02
P425039	543783	6520540	1305	0.001	1	0.1	1.31	32	<10	30	<0.5	3	5.7	0.1	17	18	36	3.4	<10	<1	0.02
P425040	544072	6520431	1293	0.001	1	0.2	1.39	26	<10	30	<0.5	2	5.5	0.1	17	20	41	3.42	<10	<1	0.02
P425041	544386	6520326	1278	0.001	1	0.1	1.33	28	<10	30	<0.5	3	5.66	0.1	16	19	33	3.33	<10	<1	0.02
P425042	544660	6520272	1268	0.001	1	0.1	1.33	7	<10	40	<0.5	3	5.12	0.1	20	22	39	3.64	<10	<1	0.02
P425043	544838	6520420	1263	0.001	1	0.1	1.35	14	<10	30	<0.5	3	5.46	0.1	18	21	35	3.48	<10	<1	0.02
P425044	545080	6520536	1245	0.005	5	0.1	1.32	18	<10	30	<0.5	3	5.56	0.1	17	20	41	3.43	<10	<1	0.02
P425045	545321	6520594	1243	0.001	1	0.1	1.31	17	<10	30	<0.5	3	5.98	0.1	19	20	39	3.51	<10	<1	0.02
P425046	545567	6520673	1221	0.001	1	0.1	1.34	15	<10	30	<0.5	2	5.27	0.1	16	19	34	3.35	<10	<1	0.02
P425047	545839	6520743	1220	0.001	1	0.1	1.32	12	<10	30	<0.5	2	5.34	0.1	15	19	31	3.18	<10	<1	0.02
P425048	546112	6520779	1190	0.001	1	0.1	1.3	17	<10	30	<0.5	2	5.06	0.1	18	19	36	3.42	<10	<1	0.02
P425049	546328	6520877	1174	0.001	1	0.1	1.23	11	<10	30	<0.5	2	4.61	0.1	15	18	28	3.18	<10	<1	0.03
P425051	531439	6530474	1377	0.001	1	0.3	1.03	18	<10	840	<0.5	2	2.22	1.5	14	31	78	2.73	<10	<1	0.06
P425052	531651	6530492	0	0.005	5	0.2	1	12	<10	830	<0.5	2	2.72	1.3	14	28	68	2.58	<10	<1	0.05
P425053	531877	6530504	1329	0.001	1	0.4	0.42	25	<10	570	<0.5	2	3.36	3.4	9	12	38	1.92	<10	<1	0.12
P425054	531992	6530564	1312	0.005	5	0.2	0.84	14	<10	630	<0.5	2	2.73	1.7	13	25	64	2.41	<10	<1	0.07
P425055	532197	6530555	1255	0.001	1	0.2	0.71	13	<10	420	<0.5	2	4.04	1.4	10	20	51	2.14	<10	<1	0.09
P425056	532408	6530609	1237	0.001	1	0.2	0.73	14	<10	450	<0.5	2	4.12	1.5	11	20	50	2.17	<10	<1	0.08
P425057	532416	6530601	1239	0.001	1	0.3	0.76	16	<10	860	<0.5	3	5.98	3.5	6	17	30	1.69	<10	<1	0.09
P425058	532604	6530680	1181	0.001	1	0.2	0.71	13	<10	410	<0.5	2	4.46	1.5	11	20	47	2.15	<10	<1	0.09
P425059	532822	6530792	1169	0.001	1	0.3	0.85	13	<10	430	<0.5	2	4.28	1.5	12	20	48	2.28	<10	<1	0.08
P425060	533017	6530923	1176	0.001	1	0.1	1.52	7	<10	210	0.5	4	5.83	0.7	16	21	34	2.99	10	<1	0.04
P425061	533126	6530996	1131	0.005	5	0.2	1.02	14	<10	470	<0.5	2	4.09	1.2	12	21	48	2.48	<10	<1	0.06
P425110	547865	6509173	2487	0.001	1	0.5	0.92	5	10	260	1.3	0.01	0.63	1.2	3	8	6	1.68	<10	<1	0.23
P425111	547795	6509408	2383	0.001	1	0.8	0.93	5	10	240	1.4	2	0.47	1.2	3	7	5	1.7	<10	<1	0.18
P425112	547613	6509590	2342	0.006	6	0.4	1.23	4	<10	160	1.5	2	0.39	0.1	4	13	5	1.68	10	<1	0.15
P425113	547557	6509827	2319	0.001	1	0.3	1.03	6	<10	150	0.8	2	0.37	0.6	10	15	14	2.27	<10	<1	0.23
P425114	547395	6509968	2300	0.001	1	0.3	1.23	1	<10	200	1.3	3	0.42	0.1	3	11	4	1.48	<10	<1	0.12
P425115	547325	6510114	2290	0.001	1	0.5	1.09	6	<10	120	0.7	2	0.26	0.1	13	17	12	2.71	<10	<1	0.2
P425116	547301	6510104	2293	0.001	1	0.4	1.52	2	<10	200	1.4	2	0.52	0.7	3	11	5	1.28	<10	<1	0.13
P425117	547135	6510375	2273	0.001	1	0.2	1.21	7	<10	140	0.8	2	0.39	0.6	14	18	12	2.75	<10	<1	0.21

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P425037	40	1.27	317	2	0.01	31	810	17	0.08	2	2	171	<20	<0.01	<10	<10	13	10	87
P425038	40	1.21	320	2	0.01	29	790	16	0.06	<2	2	163	<20	<0.01	<10	<10	13	10	80
P425039	50	1.28	344	2	0.01	30	780	19	0.06	4	2	189	20	<0.01	<10	<10	13	10	80
P425040	40	1.36	344	2	0.01	30	730	18	0.09	2	2	190	<20	<0.01	<10	<10	13	<10	78
P425041	50	1.29	337	2	0.01	29	770	15	0.05	3	2	183	<20	<0.01	<10	<10	13	<10	84
P425042	40	1.26	316	1	0.01	35	790	17	0.05	3	3	161	20	<0.01	<10	<10	15	<10	85
P425043	40	1.33	334	2	0.01	31	710	17	0.05	<2	3	180	20	<0.01	<10	<10	14	<10	84
P425044	40	1.38	334	2	0.01	31	750	17	0.07	<2	2	186	<20	<0.01	<10	<10	14	<10	82
P425045	40	1.49	337	2	0.01	33	830	18	0.07	2	2	195	<20	<0.01	<10	<10	14	<10	83
P425046	40	1.45	321	2	0.01	31	800	16	0.05	2	2	171	<20	<0.01	<10	<10	14	<10	79
P425047	40	1.46	314	2	0.01	27	780	15	0.03	3	2	168	<20	<0.01	<10	<10	14	<10	77
P425048	40	1.56	322	2	0.01	32	980	17	0.05	<2	2	154	<20	0.01	<10	<10	15	10	81
P425049	40	1.48	314	2	0.01	28	870	13	0.03	2	2	133	<20	0.01	<10	<10	13	<10	75
P425051	20	1.67	1190	4	0.01	67	630	15	0.06	4	3	35	<20	0.03	<10	<10	35	<10	237
P425052	20	2.02	890	4	0.01	65	580	13	0.04	2	3	37	<20	0.03	<10	<10	35	<10	229
P425053	10	1.53	315	20	0.01	73	930	14	0.16	5	3	77	<20	0.02	<10	10	58	<10	334
P425054	10	1.91	769	7	0.01	61	660	14	0.06	4	3	50	<20	0.03	<10	<10	45	<10	242
P425055	10	1.98	710	11	0.01	56	680	11	0.17	3	3	83	<20	0.02	<10	<10	44	<10	187
P425056	10	2.12	723	10	0.01	56	660	12	0.15	3	3	80	<20	0.02	<10	<10	42	<10	200
P425057	10	0.69	262	4	0.01	49	730	8	0.07	2	2	80	<20	0.02	<10	<10	27	<10	428
P425058	10	2.17	686	12	0.01	55	700	11	0.2	3	3	96	<20	0.02	<10	<10	49	<10	196
P425059	10	2	640	9	0.01	52	690	11	0.14	3	3	100	<20	0.02	<10	<10	41	<10	204
P425060	30	2.18	412	4	0.01	32	630	14	0.08	3	2	192	<20	0.01	<10	<10	21	<10	119
P425061	20	2.2	602	6	0.01	48	700	14	0.08	3	3	91	<20	0.02	<10	<10	34	<10	178
P425110	10	0.24	2630	3	0.01	5	1180	30	0.12	<2	2	61	<20	0.02	<10	110	15	<10	177
P425111	20	0.23	1735	3	0.01	5	930	81	0.05	3	2	45	<20	0.02	<10	40	16	<10	235
P425112	20	0.28	607	2	0.01	7	840	17	0.03	<2	1	33	<20	0.05	<10	40	21	<10	96
P425113	30	0.4	439	3	0.02	17	840	31	0.05	2	2	29	<20	0.04	<10	20	20	<10	116
P425114	20	0.28	284	3	0.02	5	720	17	0.07	<2	1	38	<20	0.04	<10	20	20	<10	69
P425115	30	0.43	872	2	0.02	17	760	25	0.04	2	2	22	<20	0.05	<10	10	22	<10	98
P425116	30	0.24	296	2	0.02	5	840	12	0.09	<2	1	52	<20	0.04	<10	50	16	<10	95
P425117	30	0.49	574	2	0.02	17	780	28	0.06	3	2	30	<20	0.05	<10	20	21	<10	113

Sample	Easting	Northing	Elev	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	N83Z9	N83Z9	m	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	%	ppm	ppm	%
P425118	546971	6510588	2251	0.001	1	0.5	2.19	1	<10	190	2.3	2	0.73	1.4	3	14	6	1.54	<10	<1	0.1
P425119	546922	6510643	2242	0.001	1	0.3	1.44	8	<10	140	1	2	0.36	0.5	14	20	13	2.98	<10	<1	0.22
P425120	546887	6510643	2246	0.001	1	0.1	1.36	13	<10	130	0.8	2	0.88	0.6	5	15	8	1.8	<10	<1	0.16
P425121	546879	6510844	2229	0.001	1	0.2	1.29	10	<10	120	0.8	2	0.59	0.1	9	17	10	2.45	<10	<1	0.18
P425122	546892	6511046	2218	0.001	1	0.2	1.28	5	<10	120	0.7	2	0.6	0.1	10	16	7	2.57	<10	<1	0.16
P425123	546838	6511245	2209	0.001	1	0.2	1.18	11	<10	110	0.7	0.01	0.47	0.1	8	16	9	2.29	<10	<1	0.16
P425124	546796	6511300	2208	0.001	1	0.2	1.22	1	<10	80	0.7	0.01	0.45	0.1	5	12	7	1.36	<10	<1	0.15
P425125	546793	6511444	2203	0.001	1	0.2	1.35	7	<10	110	0.7	2	0.46	0.1	8	17	9	2.24	<10	<1	0.19
P425126	546823	6511667	2194	0.001	1	0.1	1.34	12	<10	100	0.5	2	0.56	0.1	9	20	12	2.24	<10	<1	0.23
P425127	546844	6511877	2190	0.001	1	0.2	1.24	12	<10	110	0.7	2	0.45	0.1	8	16	9	2.24	<10	<1	0.17
P425128	546832	6512122	2179	0.001	1	0.1	1.23	11	<10	100	0.7	2	0.6	0.1	10	16	11	2.42	<10	<1	0.21
P425129	546831	6512175	1399	0.001	1	0.1	0.99	22	<10	70	<0.5	3	0.94	0.1	12	15	16	2.48	<10	<1	0.23
P425201	535154	6509727	1309	0.001	1	0.2	1.84	15	<10	200	<0.5	2	0.57	2.2	23	65	91	3.64	<10	<1	0.06
P425202	535349	6509781	1305	0.005	5	0.3	1.65	16	<10	230	<0.5	2	0.59	2.1	18	55	68	3.3	<10	<1	0.06
P425203	535550	6509847	1290	0.008	8	0.3	1.5	8	<10	230	<0.5	2	3.51	2.6	18	49	60	3.16	<10	<1	0.05
P425204	535753	6509838	1272	0.001	1	0.3	1.64	14	<10	180	<0.5	3	0.66	2	19	58	71	3.17	<10	<1	0.06
P425205	535957	6509831	1256	0.001	1	0.3	1.76	13	<10	220	<0.5	2	0.84	3.3	20	65	90	3.37	10	<1	0.08
P425206	536152	6509860	1240	0.001	1	0.2	1.66	15	<10	210	<0.5	2	0.78	2.8	18	59	74	3.21	10	<1	0.07
P425207	536240	6509889	1234	0.001	1	1.2	0.84	37	<10	370	0.5	2	3.56	14.2	34	21	84	3.11	<10	<1	0.06
P425208	546104	6520674	1277	0.005	5	0.6	0.22	21	<10	870	<0.5	2	1.68	7	5	8	53	1.93	<10	<1	0.06

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P425118	40	0.23	777	4	0.02	6	900	13	0.12	<2	2	85	<20	0.04	<10	50	25	<10	84
P425119	30	0.55	433	2	0.02	20	700	26	0.05	<2	2	28	<20	0.05	<10	10	22	<10	117
P425120	20	0.5	406	2	0.04	10	840	17	0.09	2	2	41	<20	0.05	<10	10	29	<10	96
P425121	30	0.46	607	2	0.03	15	860	22	0.06	<2	2	32	<20	0.05	<10	10	28	<10	96
P425122	20	0.48	793	1	0.03	13	820	20	0.06	<2	2	31	<20	0.04	<10	<10	25	<10	107
P425123	30	0.44	346	2	0.03	13	860	19	0.06	2	2	27	<20	0.04	<10	10	25	<10	89
P425124	30	0.33	128	1	0.02	7	700	10	0.2	<2	2	24	<20	0.05	<10	<10	18	<10	55
P425125	30	0.49	202	2	0.02	14	740	20	0.07	<2	2	28	<20	0.05	<10	10	23	<10	100
P425126	30	0.5	245	1	0.02	17	860	12	0.06	2	2	26	<20	0.07	<10	<10	28	<10	72
P425127	30	0.44	390	2	0.02	15	760	17	0.05	2	2	27	<20	0.05	<10	10	24	<10	85
P425128	30	0.46	536	2	0.02	15	770	20	0.07	<2	2	32	<20	0.05	<10	<10	22	<10	105
P425129	30	0.48	283	1	0.02	19	1030	14	0.08	2	2	40	<20	0.05	<10	<10	19	<10	52
P425201	10	1.17	1155	4	0.02	62	740	7	0.04	2	5	15	<20	0.16	<10	<10	77	<10	141
P425202	10	0.97	902	5	0.01	59	870	7	0.04	3	5	18	<20	0.12	<10	10	69	<10	195
P425203	10	1.07	1440	3	0.02	58	770	7	0.07	<2	4	66	<20	0.13	<10	<10	58	<10	253
P425204	10	1.05	959	3	0.02	54	800	7	0.04	3	5	20	<20	0.14	<10	<10	68	<10	161
P425205	10	1.12	1100	3	0.02	67	850	8	0.06	<2	5	25	<20	0.13	<10	10	72	<10	218
P425206	10	1.06	837	3	0.02	60	850	7	0.05	3	5	21	<20	0.14	<10	10	69	<10	222
P425207	10	1.59	1165	13	0.01	320	1180	25	0.04	12	3	41	<20	0.05	<10	10	40	<10	1155
P425208	10	0.62	177	13	0.01	74	1590	13	0.06	9	3	67	<20	<0.01	<10	<10	47	<10	769

Appendix II

Soil Sample

Analytical Results

Au & ICP Analyses by ALS Chemex Laboratories

Blue Sheep Soil Samples

Sample	Easting	Northing	Elev	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	N83Z9	N83Z9	m	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	%	ppm	ppm	%
P422551	526150	6529280	1776	<0.005	<0.2	1.52	22	<10	150	0.5	2	2.45	0.6	58	217	7	6.25	10	<1	0.02
P423127	527331	6512435	1469	0.005	0.2	5.06	65	<10	120	0.5	5	0.25	<0.5	84	419	288	4.64	10	<1	0.06

Sample	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
P422551	<10	1.16	1900	1	0.01	184	830	<2	0.02	3	29	19	<20	<0.01	<10	<10	141	<10	74
P423127	10	4.52	1125	1	0.03	575	350	121	0.03	3	8	11	<20	0.1	<10	<10	97	<10	244

Appendix III

Rock Sample

Analytical Results

Au & ICP Analyses by ALS Chemex Laboratories

Sample	Easting N83Z9	Northing N83Z9	Elev m	Rock Descriptions, Comments
P421056	526411	6524960	1586	locally rusty-weath f.g. diorite(?) with mod common dissem pyrite, mod to weak ser, and local chlorite(?)-quartz-pyrite (Mn oxide?) veinlets
P421057	527044	6525511	1400	rusty-weathering locally calcite-veined and altered fine-grained felsic(??) rock; common Mn oxides
P421058	527391	6512308	1494	float; from in cirque, of mm- to cm-scale quartz veins, locally rusty-weathering and locally contain pyrite and possible chalcopyrite(?)
P421059	527425	6512573	1452	float; also from cirque; fine-grained amphibolite, or amphibolitized pyroxenite(?); dense, with abundant pyrrhotite(?) and local pyrite
P421060	526566	6510151	1464	rusty-weathering sedimentary rocks with mm-scale and somewhat thicker quartz vein stockwork and local rusty-weathering boxwork (float)
P421061	526590	6510117	1472	punky rusty-weathering rock (float) from talus apron
P421109	526147	6529281	1761	punky calcite + Fe carbonate + qz stockwork; hematitic
P421110	526144	6529276	1759	as above plus hematite wallrock w/ minor pyrite blebs
P421111	526150	6529274	1762	black carbonate rock, locally vuggy, with leached appearance
P421112	526150	6529274	1762	medium-fine crackle breccia of pale, siliceous fine-grained rock w/ matrix of dark siliceous material, minor blebs of py, and stringers of qz
P421113	526151	6529282	1775	fine-med gr grey to dark grey intermediate rock (diorite?) w/ common blebs of py, locally on fractures
P421114	526145	6529636	1727	pale, fine-grained crystalline rock, rusty weathering, w/ disseminated, blebs, and stringers of py
P421115	526147	6529703	1715	similar to 421114, but slightly darker grey in colour
P421116	526147	6529703	1715	fine-grained, dark grey to black rock w/ mottled texture containing blebs of py; rusty weathering
P421119	541883	6511171	1383	punky orange weathering limestone cut by hematitic (?) veinlets
P421120	541883	6511171	1388	pale greenish-grey shale cut by 5 mm wide hematitic (?) veinlets
P421143	527440	6528010	1531	

Sample	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%
P421056	<0.005	<0.2	3.78	4	<10	40	<0.5	<2	2.98	<0.5	23	23	64	5.43	10	<1	0.01	<10	1.92	747	<1	0.06
P421057	<0.005	<0.2	0.65	8	<10	150	<0.5	<2	2.82	<0.5	10	22	18	2.42	<10	<1	0.07	<10	1.32	468	<1	0.04
P421058	<0.005	<0.2	6.89	4	10	40	<0.5	<2	5.09	<0.5	9	86	47	1.11	10	<1	0.33	<10	1.01	176	<1	0.28
P421059	<0.005	<0.2	2.86	4	<10	50	<0.5	<2	3.49	<0.5	15	32	165	6.25	10	<1	0.13	<10	1.78	798	<1	0.59
P421060	0.017	0.3	1.76	3	<10	90	<0.5	<2	0.55	<0.5	6	27	27	2.54	<10	<1	0.41	10	0.5	324	<1	0.09
P421061	0.016	15.9	4.49	473	<10	30	<0.5	36	0.14	<0.5	16	54	456	17	20	<1	0.05	<10	2.62	2150	<1	0.02
P421109	<0.005	<0.2	0.31	31	<10	300	0.6	<2	16.2	<0.5	10	29	62	4.68	<10	<1	0.04	<10	3.68	2860	<1	0.02
P421110	<0.005	0.2	0.61	48	<10	230	0.5	<2	13	<0.5	27	76	87	5.61	<10	<1	0.07	<10	3.79	2670	<1	0.02
P421111	<0.005	<0.2	5.52	3	<10	50	<0.5	<2	4.39	<0.5	28	21	25	7.82	20	<1	0.01	<10	2.9	1285	<1	0.01
P421112	<0.005	<0.2	1.1	<2	<10	350	<0.5	<2	0.31	<0.5	9	11	56	2.65	<10	<1	0.2	20	0.47	1695	<1	0.02
P421113	<0.005	<0.2	3.26	2	<10	30	<0.5	<2	1.4	<0.5	23	15	81	6.26	10	<1	0.01	<10	2.17	798	<1	0.05
P421114	0.008	0.2	1.17	16	<10	190	0.7	<2	2.01	<0.5	26	7	939	8.74	<10	<1	0.23	10	1.4	6550	3	0.02
P421115	<0.005	0.7	2.45	<2	<10	260	<0.5	<2	1.43	<0.5	24	51	588	5.01	10	<1	0.15	<10	1.65	1795	<1	0.14
P421116	<0.005	<0.2	2.62	2	<10	80	<0.5	<2	2.37	<0.5	12	6	65	4.3	10	<1	0.03	<10	0.95	1080	<1	0.08
P421119	<0.005	0.2	0.2	38	<10	40	0.6	2	21.5	<0.5	13	<1	69	7.5	<10	<1	0.07	10	2.76	2200	1	0.02
P421120	<0.005	0.4	0.68	91	<10	30	1.7	<2	0.18	<0.5	10	8	24	12	<10	<1	0.3	40	0.07	58	<1	0.02
P421143	<0.005	<0.2	2.73	2	<10	70	<0.5	<2	1.77	<0.5	23	86	22	4.58	10	<1	0.02	<10	2.18	842	<1	0.05

Sample	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
P421056	30	630	<2	0.11	<2	7	13	<20	0.51	<10	<10	183	<10	68
P421057	37	210	<2	0.02	<2	6	78	<20	<0.01	<10	<10	34	<10	19
P421058	47	30	10	0.1	<2	3	154	<20	0.04	<10	<10	22	<10	25
P421059	14	1000	3	0.6	<2	26	12	<20	0.01	<10	<10	225	<10	62
P421060	16	410	41	0.32	<2	2	47	<20	0.03	<10	<10	24	<10	74
P421061	4	630	1130	0.17	5	25	5	<20	0.04	<10	<10	262	<10	312
P421109	33	290	5	0.01	<2	10	313	<20	<0.01	<10	<10	48	<10	27
P421110	68	570	9	0.05	<2	20	275	<20	<0.01	<10	<10	88	<10	50
P421111	46	890	4	<0.01	2	8	51	<20	0.51	<10	<10	202	<10	90
P421112	23	650	8	0.12	<2	2	12	<20	<0.01	<10	<10	19	<10	54
P421113	39	740	2	0.23	2	5	7	<20	0.45	<10	<10	146	<10	65
P421114	11	1780	9	1.23	<2	9	26	<20	<0.01	<10	<10	127	<10	107
P421115	48	670	3	0.9	<2	8	12	<20	0.41	<10	<10	113	<10	76
P421116	5	1140	2	0.53	<2	5	14	<20	0.53	<10	<10	94	<10	45
P421119	25	290	16	0.1	5	2	155	<20	0.01	<10	<10	3	<10	28
P421120	48	300	5	<0.01	116	3	8	<20	<0.01	<10	<10	9	<10	29
P421143	50	690	3	0.24	<2	6	31	<20	0.22	<10	<10	124	<10	46

Appendix IV

Cost Statement

Appendix IV. Cost Statement - Blue Sheep

Exploration Work Type	Company	Comment				Totals
Personnel/ Position			**Days**	**Rate**	**Subtotal**	
Charles Greig	C.J.Greig & Associates	Supervision, geol eval, report	10	750	7500	
Jeffrey Rowe	C.J.Greig & Associates	Reseach, report prep and maps	20	600	12000	
Roy Greig	C.J.Greig & Associates	Sampling, prospecting, report	15	450	6750	
Kei Quinn	C.J.Greig & Associates	Sampling, prospecting	10	350	3500	
Brittney Bidlake	C.J.Greig & Associates	Sampling	10	350	3500	
Cody Puckett	C.J.Greig & Associates	Sampling	10	350	3500	
Tom Sly	C.J.Greig & Associates	Sampling	7	350	2450	
Ariel Montgomery	C.J.Greig & Associates	Sampling	7	350	2450	
Tyler Titchener	C.J.Greig & Associates	Sampling	7	350	2450	
Ruth Levin	C.J.Greig & Associates	Sampling	7	350	2450	
Rick Unrau	C.J.Greig & Associates	Sampling	7	350	2450	
Aisyah Abdkahar	Contractor	XRF technician	7	350	2450	
Darwin Green	Contractor	Geol evaluation	7	600	4200	
						55650
Geochemical Samples			**Number**	**Rate**		
Silts/ Moss Mats	ALS Chemex Laboratories	Sample prep and analyses	212	17.05	3615	
Soils	ALS Chemex Laboratories	Sample prep and analyses	2	17.05	34	
Rocks	ALS Chemex Laboratories	Sample prep and analyses	17	23.40	396	
						4045
Transportation						
Commercial Flights	Central Mountain Air	Personnel Transport			1180	
Local Flights	Liard Air	Personnel, Freight, Fuel Hauls			5535	
Helicopter	Vancouver Island Helicopter				37360	
Vehicle	Rental				1990	
						46065
Accomodation & Food						
Lodging & Food	Scoop Lake Outfitters				12270	
Lodging & Food	Other Accom				1870	
						14140
Equipment, Supplies, Freight						
Fuel					520	
Equipment Rentals, Communications					3530	
Field Supplies					3040	
Sample and Equipment Shipping					710	
						7800
			TOTAL EXPENDITURES			**127700**

Appendix V

Personnel

Appendix V. Personnel

Personnel	Company	Position	Period Worked
Charles Greig	C.J.Greig & Associates	Project Manager, Supervisor	June 1 - Nov 15, 2012
Jeffrey Rowe	C.J.Greig & Associates	Geologist, Report Preparation	June 1 - Nov 15, 2012
Roy Greig	C.J.Greig & Associates	Geologist, Sampler	June 1 - July 15, 2012
Kei Quinn	C.J.Greig & Associates	Geologist, Sampler	June 6 - July 15, 2012
Brittney Bidlake	C.J.Greig & Associates	Sampler	June 4 - July 15, 2012
Cody Puckett	C.J.Greig & Associates	Sampler	June 6 - July 15, 2012
Tom Sly	C.J.Greig & Associates	Sampler	June 8 - 30, 2012
Ariel Montgomery	C.J.Greig & Associates	Sampler	June 8 - 30, 2012
Tyler Titchener	C.J.Greig & Associates	Sampler	June 8 - 30, 2012
Ruth Levin	C.J.Greig & Associates	Sampler	June 8 - 30, 2012
Rick Unrau	C.J.Greig & Associates	Sampler	June 11 - 30, 2012
Aisyah Abdkahar	Contractor	Geologist, XRF Technician	June 11 - 30, 2012
Darwin Green	Contractor	Geologist	June 11 - 30, 2012
	Vancouver Island Helicopters	Helicopter Pilot	June 11 - 30, 2012
	Vancouver Island Helicopters	Helicopter Engineer	June 11 - 30, 2012

Appendix VI

Statements of Qualifications

I, Jeffrey D. Rowe, of 2537 Evergreen Drive, Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Sc. (Honours) (Geological Sciences, 1975) and have practiced my profession continuously from 1975 to 1999 and from 2007 to present.

2. I have been employed in the geoscience industry for over 30 years, and have explored for gold and base metals in North and South America for both senior and junior mining companies, on exploration properties as well as at a producing mine.

3. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.

4. I am an author of the report entitled; "2012 Stream Sediment Geochemistry Program on the Blue Sheep Property" dated March 14, 2013. I helped plan the work program reported on herein.

Dated at Penticton, British Columbia, this 14th day of March, 2013.

Respectfully submitted,

"J D Rowe"

Jeffrey D. Rowe, B.Sc.

I, Charles James Greig, of 250 Farrell St., Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Comm. (1981), a B.Sc. (Geological Sciences, 1985), and an M.Sc. (Geological Sciences, 1989), and have practiced my profession continuously since graduation.

2. I have been employed in the geoscience industry for over 25 years, and have explored for gold and base metals in North, Central, and South America, and Africa for both senior and junior mining companies, and have several years of experience in regional-scale government geological mapping.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (license #27529).

4. I am a "Qualified Person" as defined by National Instrument 43-101.

5. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.

6. I am an author of the report entitled; "2012 Stream Sediment Geochemistry Program on the Blue Sheep Property" dated March 14, 2013. I supervised and took part in the work program reported on herein.

7. I have read National Instrument 43-101 and Form 43-101F1 and the technical report has been prepared in compliance with National Instrument 43-101 and Form 43-101F1.

Dated at Penticton, British Columbia, this 14th day of March, 2013.

Respectfully submitted,

"C J Greig"

Charles James Greig, M.Sc. P.Geo