TECHNICAL ASSESSMENT REPORT ON THE ROCK SAMPLING SURVEY

On the

JUMBO GRAPHITE PROPERTY

Slocan Mining Division, British Columbia

1:250,000 NTS Map Sheets 82L01 and 82K04

Approximate Geographic Limits:
419000-430500E
5548000-5563500N
(Datum: NAD83, Zone 11N)

SOW Event Number:
5570231 (September 14, 2015)

Prepared For:

Noram Ventures Inc.
12835 Gilden Road
Madeira Park, B.C. V0N 2H1

By:

Gordon J. Allen, P. Geo.

November 24th, 2015

BRITISH COLUMBIA
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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Rock Sampling (lithogeochemistry) **TOTAL COST:** $21,435

AUTHOR(S): Gordon J. Allen **SIGNATURE(S):** Gordon J. Allen

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5570231

PROPERTY NAME: Jumbo

CLAIM NAME(S) (on which the work was done): 983897, 986082, 986084, 986085, 986089, 998805 - 998811, 1022344, 1022345

COMMODITIES SOUGHT: graphite

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Slocan **NTS/BCGS:** 082K001, 082K011, 082L010, 082L020

LATITUDE: 50 ° 08 ' 50 " **LONGITUDE:** 118 ° 02 ' 51 " **(at centre of work)**

OWNER(S):
1) Bruce Doyle
2) Noram Ventures Inc.

MAILING ADDRESS:
1424 Crease Avenue
Nelson, B.C., V1L 1A2

12835 Gilden Road,
Madeira Park, B.C. V0N 2H1

OPERATOR(S) [who paid for the work]:
1) Noram Ventures Inc.
2)

MAILING ADDRESS:
12835 Gilden Road, Madeira Park, B.C. V0N 2H1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Host rocks are tightly folded upper amphibolite facies metamorphic sedimentary rocks of the Devonian to Carboniferous Silver Creek formation (and possibly Proterozoic Tsuius schist) of the Monashee metamorphic complex. Rocks underlying the property are dominantly quartz-rich sediments metamorphosed to quartzite and quartz-biotite schist. A graphitic sequence of quartz rich sandstone and fine-grained clay-rich sediments has been metamorphosed to qz-biotite-graphite schist, biotite-garnet-sillimanite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 09447, 33479, 34974

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	84		17685
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	84 LECO graphite analyses		3750
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$21,435

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1.0 *SUMMARY*

The Jumbo graphite property consists of 12,462 hectares of mineral claims located in the Kootenay Terrane of southeast British Columbia. It is underlain by calcareous and epiclastic metasedimentary rocks of the Devonian to Carboniferous Chase and Silver Creek formations within the Monashee metamorphic complex. Rocks have undergone polyphase deformation. They were tightly contorted into recumbent isoclinal folds and metamorphosed to upper amphibolite facies gneisses and schists. The protolith package on the property was probably composed dominantly of quartz-rich sandstone, likely of the Silver Creek formation. A 300 – 800m thick pelitic sequence within this sandstone consisted of sandy mudstone, shale, calcareous sediments and limestone, all with a presumably significant organic content. Sandstone has been metamorphosed to quartzite and fine-grained quartz-biotite schist. The organic-rich pelitic sequence was metamorphosed to fine-grained quartz-biotite-muscovite schist, coarse-grained biotite-garnet ± muscovite ± sillimanite schist and marble. Carbonaceous organic material in the pelitic sequence was metamorphosed to coarse-grained flake graphite, which is the exploration target on the property.

Graphite was discovered on the property in the 1960's but no structured exploration program prior to 2012 has ever been documented. The property was staked by Bruce Doyle in 2012 and subsequently optioned to Noram Ventures Inc. Noram contracted SkyTEM Surveys ApS of Denmark to conduct an airborne TEM and magnetic survey of the entire property. The survey defined roughly 50km of 500-2000m wide curvi-linear conductors which appear to be correlative with the same tightly folded graphitic sequence. A program of geological mapping and rock sampling was conducted on the property in the fall of 2012. Graphitic metasedimentary rocks were identified in all conductive zones investigated, and it is clear that the airborne-defined EM anomalies correlate with graphitic units in the tightly folded stratigraphy.

In 2013 a program of 1294.79m of diamond drilling was conducted in three areas to test conductive zones defined in the airborne TEM survey and coincident graphite mineralization. Graphite grades in the Big Flake and Black Fly areas were found to be generally low grade, sporadic, and in narrow horizons. No further work was recommended there. One hole in the South Limb area intersected 1.50% graphite over 124.36m (true width, entire hole), and 2.81% graphite across 29.07m (true width). Mineralization intersected in the drilling suggests that the higher and more consistent graphite grades are associated with the stronger and more discrete TEM anomalies.

In 2014, additional prospecting and rock sampling was conducted. The program demonstrated the widespread distribution of graphite mineralization and its association with conductive features. A series of continuous rock chip samples along Branch 1 Road in the north part of the property graded 3.32% graphite along 48m sub-parallel to stratigraphy.

The 2015 exploration program consisted of the collection of 84 rock grab samples from throughout the property area, focusing on the strongest and most discrete conductive features as defined in the airborne TEM survey. Graphite mineralization was found in

all conductive zones. Rock samples graded up to 16.6% graphite. The higher-grade zones with massive black graphite were found to be recessive and difficult to sample. Diamond drilling is required to properly test the defined conductive features.

Most of the roughly 50km of tightly folded conductive unit or units have not been investigated. Additional property-wide mapping and prospecting is warranted along the stronger conductive features. Geological mapping is specifically required to properly define drill targets in the Branch 1 and Branch 67 roads areas. A 3000m Phase II drilling program is proposed to continue testing the South Limb, Branch 1, and Branch 67 target areas, as well as several of the stronger and well defined parts of the TEM anomalies. The cost to conduct this proposed program is estimated to be approximately $700,000.

2.0 INTRODUCTION

The Jumbo Graphite property is located in the Kootenay region of southeast British Columbia (Figure 1). Graphite mineralization on the property occurs as disseminated flakes in a distinct horizon (probably organic-rich protolith package) within a complexly folded sequence of metasedimentary rocks. Exploration for graphite has been on-going since 2012.

This assessment report documents a program of rock grab sampling conducted by Bruce and Grant Doyle between August 4th and September 10th, 2015. A total of 84 rock samples were collected and sent to the ALS Minerals Laboratory in North Vancouver for graphitic carbon analysis using a LECO instrument. Expenditures totalling $21,435 (plus $7412.72 from PAC) have been applied as assessment credit (SOW 5570231; Appendix 5).

The exploration program documented in this report was conducted at the request of Mr. David Rees, director of Noram Ventures Inc.

3.0 MINERAL TENURE

The Jumbo Graphite property consists of 25 mineral tenures totalling 12,462.24 hectares (Figure 2, Table 1). Mr. Bruce Doyle of Nelson, B.C., is the current registered owner of the original 23 Jumbo property claims. They have been optioned to Noram Ventures Inc. under an option agreement dated August 23rd, 2012. Noram Ventures Inc. is the registered owner of 2 additional claims in the Jumbo Graphite property.

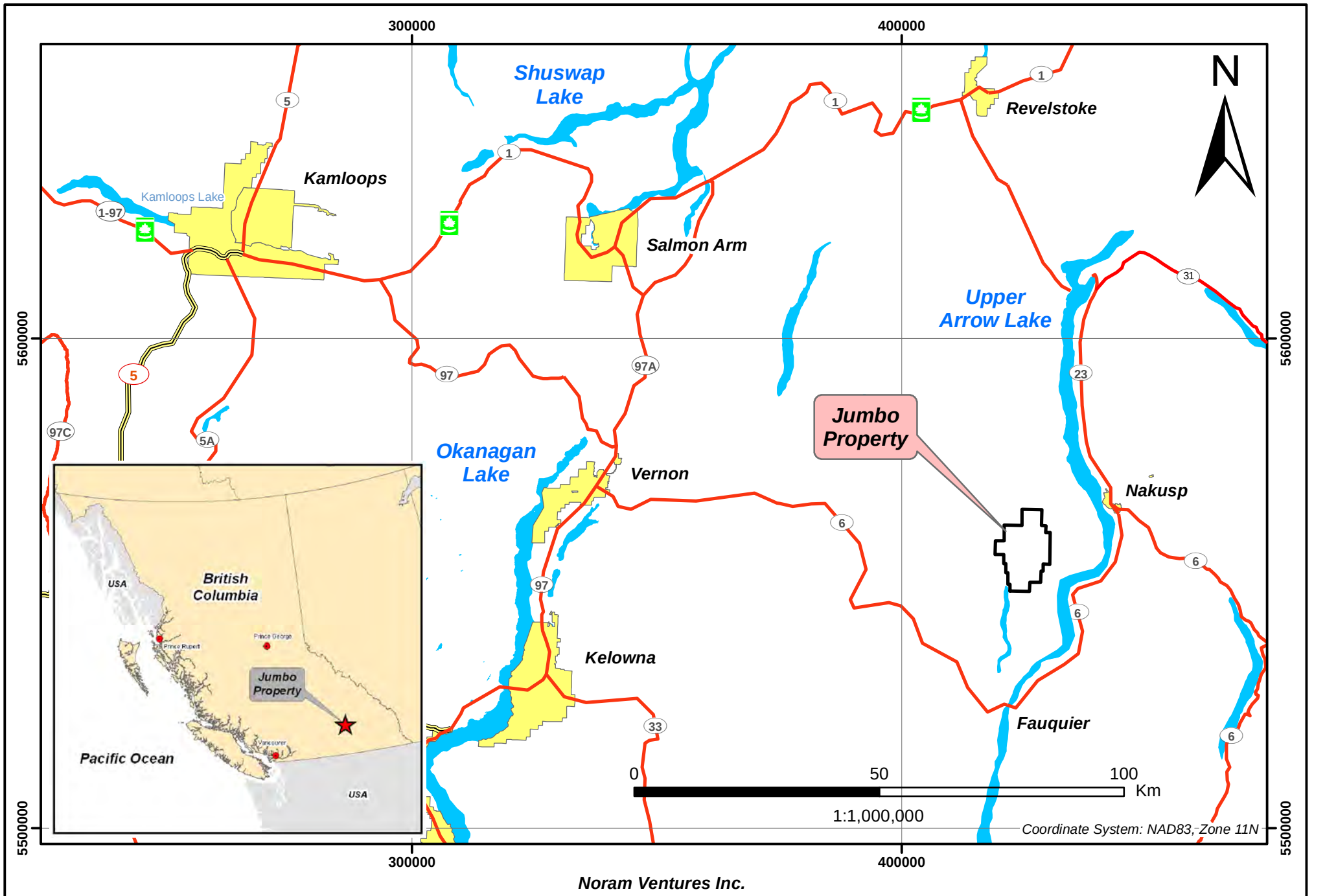
Mineral tenures in British Columbia are acquired through an internet-based mineral titles administration system. It is assumed, therefore, that the Jumbo property is precisely as shown on the province's mineral tenure map displayed in Figure 2 and listed in Table 1. The tenures are for mineral rights only and do not include surface rights.

Under the current Mineral Tenure Act, maintaining a mineral tenure (claim) in B.C. for the first two years after issuance requires annual exploration expenditures of $5.00 per hectare. Required annual exploration expenditures increase incrementally every 2 years as follows:

- Years 3 and 4; $10.00 per hectare per year
- Years 5 and 6; $15.00 per hectare per year
- Year 7 and beyond; $20.00 per hectare per year

Payment of cash in lieu of work would be double the stated rates.

The 23 original claims have a current good to date of June 15th, 2018. By virtue of work and expenditures documented in this assessment report, the 2 additional Jumbo claims have a current "good-to" date of September 15th, 2017. To maintain the 2 additional



Noram Ventures Inc.

Jumbo Property, Slocan Mining Division, British Columbia

Property Location

G. Allen, November, 2015

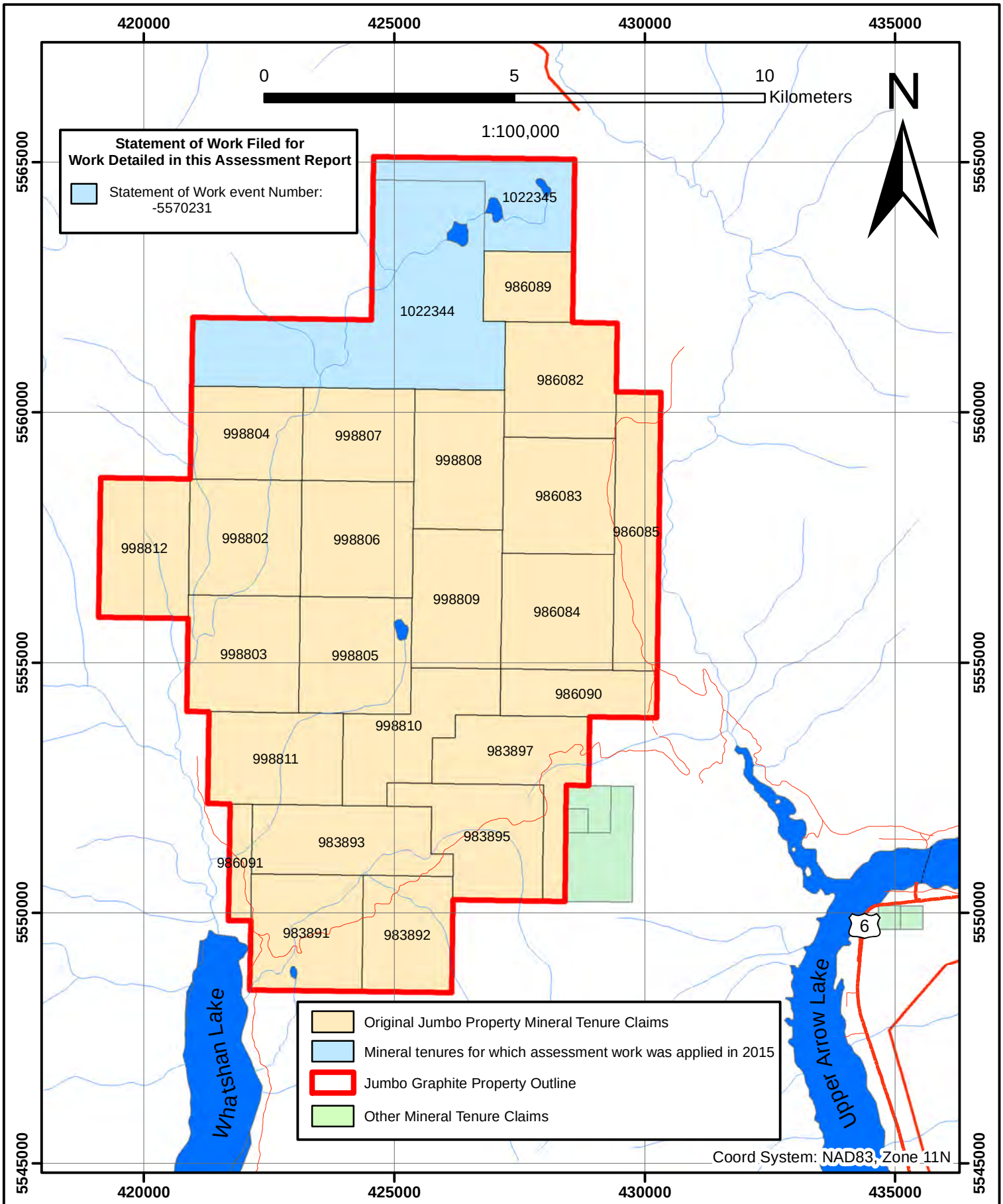
Figure 1

Table 1

Jumbo Property Claims

Tenure No.	Claim Name	Area_Ha	Owner	Issue_Date	Good-To Date	SOW Event No. (2015)
983891	BLACK FLY	518.21	Doyle, Bruce	3-May-12	15-Jun-18	
983892	BLACK FLY 1	414.57	Doyle, Bruce	3-May-12	15-Jun-18	
983893	BLACK FLY 2	518.04	Doyle, Bruce	3-May-12	15-Jun-18	
983895	BLACK FLY 3	518.03	Doyle, Bruce	3-May-12	15-Jun-18	
983897	BLACK FLY 4	517.90	Doyle, Bruce	3-May-12	15-Jun-18	
986082	MOSQUITOE	517.15	Doyle, Bruce	13-May-12	15-Jun-18	
986083	MOSQUITOE 1	517.37	Doyle, Bruce	13-May-12	15-Jun-18	
986084	MOSQUITOE 2	517.59	Doyle, Bruce	13-May-12	15-Jun-18	
986085	MOSQUITOE 3	496.73	Doyle, Bruce	13-May-12	15-Jun-18	
986089	MOSQUITOE 4	248.15	Doyle, Bruce	13-May-12	15-Jun-18	
986090	MOSQUITOE 5	289.93	Doyle, Bruce	13-May-12	15-Jun-18	
986091	ANN	103.62	Doyle, Bruce	13-May-12	15-Jun-18	
998802	FISHER 1	517.46	Doyle, Bruce	19-Jun-12	15-Jun-18	
998803	FISHER 2	517.68	Doyle, Bruce	19-Jun-12	15-Jun-18	
998804	FISHER 3	413.82	Doyle, Bruce	19-Jun-12	15-Jun-18	
998805	FISHER 3	517.68	Doyle, Bruce	19-Jun-12	15-Jun-18	
998806	FISHER 4	517.46	Doyle, Bruce	19-Jun-12	15-Jun-18	
998807	FISHER 5	413.82	Doyle, Bruce	19-Jun-12	15-Jun-18	
998808	FISHER 6	496.63	Doyle, Bruce	19-Jun-12	15-Jun-18	
998809	FISHER 7	496.87	Doyle, Bruce	19-Jun-12	15-Jun-18	
998810	FISHER 8	476.40	Doyle, Bruce	19-Jun-12	15-Jun-18	
998811	FISHER 9	497.16	Doyle, Bruce	19-Jun-12	15-Jun-18	
998812	FISHER 10	496.79	Doyle, Bruce	19-Jun-12	15-Jun-18	
1022344	Big Flake	1489.06	Noram Ventures Inc.	15-Sep-13	15-Sep-17	5570231
1022345	Bigger Flake	434.12	Noram Ventures Inc.	15-Sep-13	15-Sep-17	5570231
Total Hectares		12462.24				

Note: "Good -To Date" or anniversary date shown using assessment credits detailed in this report



Noram Ventures Inc.

Slocan Mining Division, British Columbia

Jumbo Graphite Property

Claims Map

G. Allen, November, 2015

Figure 2

claims until 2018 will require annual exploration expenditures of $28,848 (to be incurred by September 15th, 2017). Expenditures to maintain all the claims in good standing beyond 2018 are as follows:

Good to Year	Expenditures Required By	Expenditures Required
2019	2018	$239,629
2020	2019	$249,245
all subsequent years		$249,245

4.0 PROPERTY LOCATION, ACCESSIBILITY, CLIMATE, INFRASTRUCTURE, AND PHYSIOGRAPHY

The Jumbo Graphite property is located approximately 14 lineal kilometres west-southwest of Nakusp and 88 kilometres due south of Revelstoke in the Kootenay region of southeast British Columbia (Figure 1). It is in the Whatshan Range of the Monashee Mountains, west of Upper Arrow Lake.

From Nakusp, access to the property is via Highway 6, south along the east shore of Upper Arrow Lake to the Arrow Park ferry. From the north ferry landing, Stevens Road (a well maintained gravel road) extends 8.5km northwest to the junction of the Fosthall Road and the eastern claim boundary. A network of logging roads provides access to most parts of the claim block, although many of them are so densely overgrown that even walking is difficult. Travel time to the property from Nakusp is approximately 40 minutes.

The Whatshan Range consists of steep mountainous terrain, but relief on the property itself is not severe. It is dominated by one central hill typically with moderate slopes up to a relatively flat top, and no part of the property is inaccessible due to terrain restrictions. Elevations in the property area range from approximately 540m near the shore of Upper Arrow Lake, to over 1650m in the central part of the claims. Most of the property has been logged in the past few decades, and is now dominantly covered with second growth fir, hemlock, spruce and cedar forests.

Average temperatures at the Upper Arrow Lake level range from -5°C in January to over 25°C in July and August. Precipitation averages 842mm (33”) per year.

Power and water for any industrial endeavour are readily available. A labour force with mining experience is well established in most towns and cities throughout the region.

5.0 REGIONAL GEOLOGY AND ECONOMIC SETTING

5.1 Regional Geology

The Canadian Cordillera is made up of five major tectonostratigraphic belts that formed or were accreted during Mesozoic to post mid Tertiary time (McMillan, 1991, Figure 3). Of these five, the Omineca and Coast belts are assemblages of crystalline plutonic and metamorphic rocks which are thought to have developed along suture zones where exotic terranes docked with the North American craton. Rocks within the accreted terranes are interpreted to have been deposited in sedimentary basins and island arc settings off the coast of ancestral North America and later pushed onto the western margin of the continent during eastward subduction of the Pacific oceanic plates.

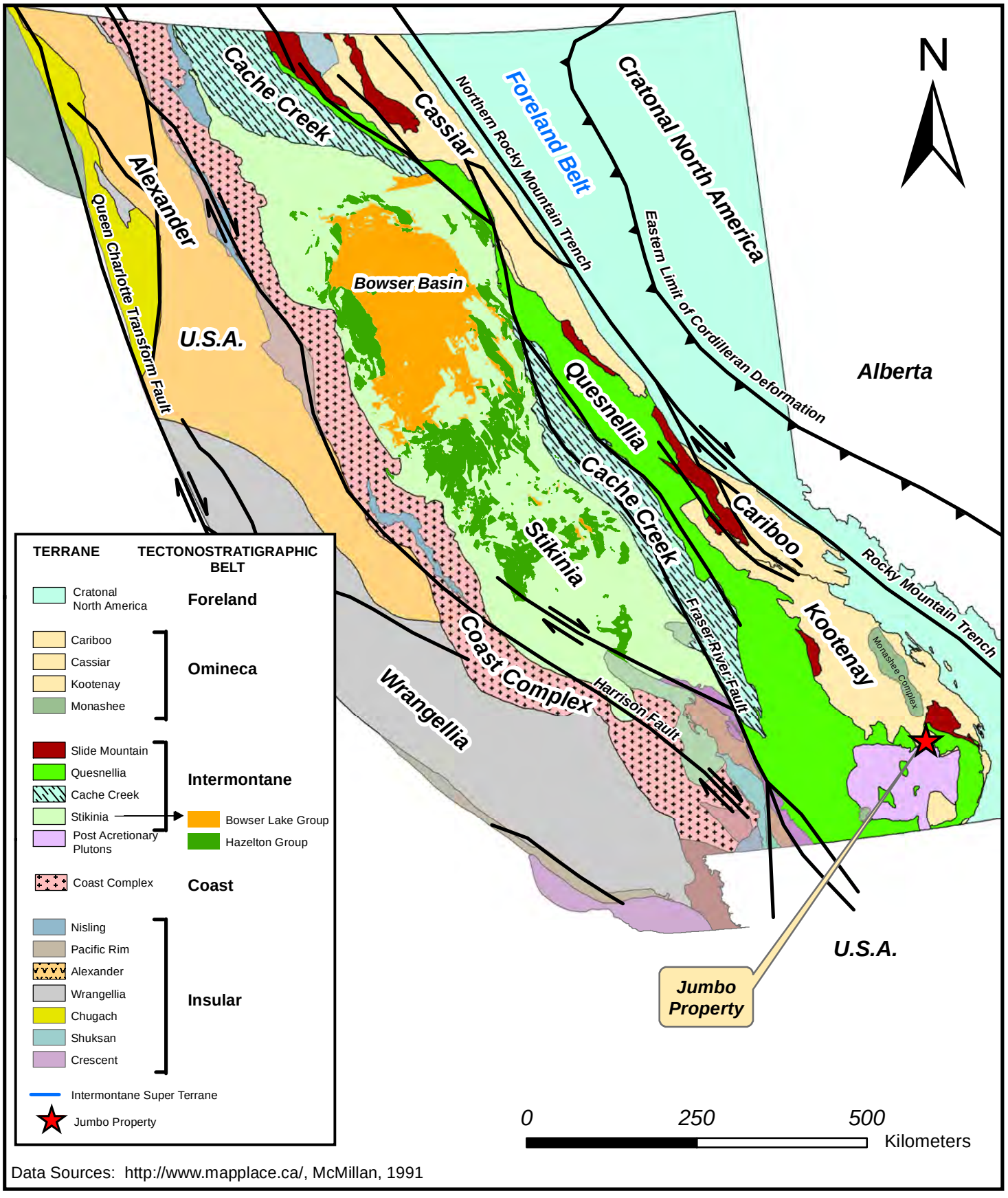
Four volcano-sedimentary terranes of central B.C. (Slide Mountain, Quesnellia, Cache Creek, and Stikinia) are thought to have collided and coalesced in the ocean west of ancestral North America by Late Triassic time, forming the Intermontane superterrane. This assemblage continued moving eastward and subsequently docked with the North American continent in the Mid Jurassic period, circa 185-175 Ma. The Omineca tectonostratigraphic belt, which underlies the Jumbo property, is located between the Intermontane belt and the ancient North American craton. It consists of metamorphic and plutonic rocks which formed during this major terrane collision; the first in the development of the Canadian Cordillera.

A second volcano-sedimentary superterrane, the Insular belt, is composed primarily of the Alexander and Wrangellia terranes. They are interpreted to have coalesced by mid Pennsylvanian time (circa 310-305 Ma), and collided with the western edge of the Intermontane belt in the middle Cretaceous (approximately 100 Ma). The Coast Complex metamorphic-plutonic assemblage started to form at this time between the Insular and Intermontane belts, and had active intrusion emplacement up to the mid Eocene (45 Ma).

Cordilleran terrane assemblages have been cut by numerous intracontinental dextral strike slip faults. Right lateral offset along this fault system is interpreted to have initiated in the Late Cretaceous along the Rocky Mountain trench. Movement then appears to have been transferred sequentially to more western faults. The cumulative dextral fault offset in the B.C. Cordillera has been estimated to be in the order of 1300km.

The Jumbo property is located in the Kootenay terrane, immediately south of the Monashee terrane (Figure 3). Although rocks underlying the property have been assigned to the Monashee metamorphic complex, it appears that the Monashee terrane is limited to an area hosting Archean to Paleoproterozoic-aged gneiss domes.

Historically the property area was included in the Shuswap Metamorphic complex, but those rocks have more recently been subdivided into the Shuswap assemblage on the west and the Monashee metamorphic complex on the east. The Monashee complex



Data Sources: http://www.mapplace.ca/, McMillan, 1991

Noram Ventures Inc.

Jumbo Property, Slocan Mining Division, B.C.

Geological Terranes of British Columbia

G. Allen, November, 2015

Figure 3

consists of a core zone of Archean to Paleoproterozoic-aged gneiss domes or nappes, flanked by a mantle of tightly folded Proterozoic and Paleozoic amphibolite facies schistose metasedimentary rocks and orthogneiss intrusions. Regional geology in the Jumbo property area is shown in Figures 4 and 5. Stratigraphy and chronology of geological events in the Monashee Metamorphic Complex is presented in Figure 6.

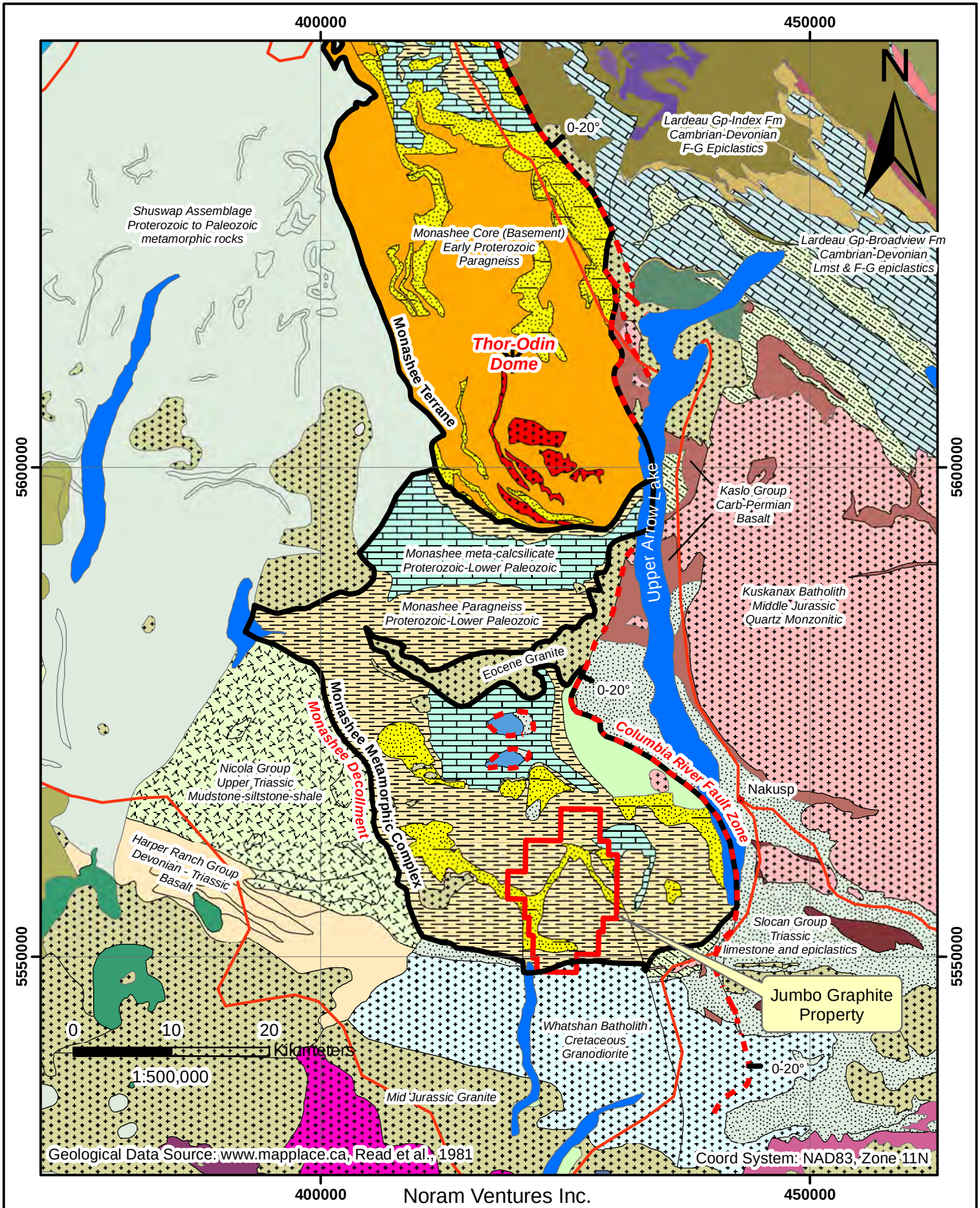
Gneiss domes or nappes in the complex include the Pinnacle Peaks Dome, the Thor-Odin Dome, and the Frenchman's Cap Dome. The Thor-Odin dome, located approximately 40km north of the Jumbo property, is a Lower Aphebian heterogeneous supracrustal sedimentary sequence that has been metamorphosed to migmatitic layered biotite-quartz-feldspar paragneiss. It has been dated at 2.2 Ga, but is derived at least in part from Archean-aged source rocks as old as 3.3 Ga. These metasedimentary rocks have been intruded by at least two phases of orthogneiss dated at 1934 ± 6 Ma and 1874 ± 21 Ma (Parkinson, 1991).

The Mantle zone overlying the Core zone gneiss domes consists of two sedimentary sequences separated by an unconformity. The oldest of these "Mantle zone" rocks are paleo to mesoproterozoic sedimentary rocks of the Tsuius schist (Thompson et al., 2004). Overlying the Tsuius schist is a Devonian calcareous quartzite marker unit of the Chase Formation, and a Devonian to Carboniferous metasedimentary sequence of the Silver Creek Formation. The Tsuius Schist and the Silver Creek Formation are sporadically graphitic.

Sedimentary rocks overlying the gneiss domes have undergone polyphase deformation and are tightly folded into recumbent isoclinal structures. Fold axes are generally east-west trending and gently east to west dipping. The north-south compressional event which caused this folding is not clearly defined. The entire complex was subsequently warped about a north-trending fold axis, possibly due to compression during the collision of the Intermontane Superterrane from the west in the mid Jurassic. Metamorphism ranges from greenschist to upper amphibolite facies with biotite garnet and sillimanite. Rocks are generally schistose to gneissic.

Subsequent to the docking of the Intermontane Supergroup, the Monashee metamorphic complex was intruded by post accretionary plutons of the Whatshan batholith (and others) in the Late Cretaceous (77-79 Ma).

The Monashee metamorphic complex is in contact to the east with lower-grade metamorphic rocks of the Kootenay Arc complex along the gently east-dipping Eocene-aged Columbia River Fault Zone. This structure has had normal dip-slip movement, forming during a regime of extension. It is defined by a ductile to brittle deformation zone of cataclastic augen gneiss up to 1km wide with lesser amounts of gouge.



Noram Ventures Inc.

Jumbo Property

Regional Geology

See Figure 5b for lithologic legend

G. Allen, November, 2015

Figure 5a

Post Accretionary Intrusions

Chilcotin Group; young volcanics.
Miocene to Pliocene

Kamloops Group; Eocene

Sheppard, Tuzo Creek, Shingle Creek Intrusions
Paleocene-Eocene (65-35.4 Ma)

Okanagan Batholith - Ladybird and Valhalla intrusions;
Cretaceous (145.6-65 Ma)

Whatshan Batholith; Cretaceous (145.6-65 Ma)

Battle Range Batholith; Cretaceous (145.6-65 Ma)

Quesnel Terrane

Nicola Group; Upper Triassic

Slocan Group; Early to Lower Triassic

Kaslo Group; Carboniferous to Permian

Rossland Group

Rossland Group - Elise Formation; Lower Jurassic

Harper Ranch Group

Harper Ranch and(?) Nicola Groups;
Lower Jurassic

Kuskanax Batholith; Mid Jurassic (180-170 Ma)

Unnamed; various ages

Kootenay Terrane

Milford Formation; Mississippian to Permian

Cambrian to Devonian

Lardeau Group - Broadview Formation

Lardeau Group - Index Formation

Lardeau Group - Jowett Formation

Lardeau Group - Lade Peak Formation

Lardeau Group - Triune Formation

Eagle Bay Assemblage

Ancestral North America

Badshot Formation; Lower Cambrian limestone

Mohican Formation; Lower Cambrian phyllite

Monashee Metamorphic Complex; Proterozoic to Early Paleozoic

calcsilicate metamorphic rocks

metamorphic rocks, undivided

paragneiss metamorphic rocks

quartzite, quartz arenite sedimentary rocks

Shuswap Assemblage;
Proterozoic to Paleozoic

Monashee Terrane; gneiss domes and nappes

Core (Basement) orthogneiss intrusions;
Early Proterozoic

Core (Basement) paragneiss; Archean to Early Proterozoic

Geological Data Source: www.mapplace.ca

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Jumbo Property

Regional Geology Legend

To accompany Figure 5a

G. Allen, November, 2015

Figure 5b

Stratigraphy | Lithology | Structure and Metamorphism | Intrusions | Mineralization

Ma

Cenozoic
- Miocene — 5.3
- Oligocene — 23.0
- Eocene — 33.9
- Paleocene — 55.8

65.5

Mesozoic
- Cretaceous
- Jurassic — 145.5
- Triassic — 201.6

251

Paleozoic
- Permian
- Pennsylvanian — 299
- Mississippian — 318
- Devonian
- Silurian — 444
- Ordovician — 488
- Cambrian

542

Proterozoic
- Hadrynian
- Helikian — 1000
- Aphebian — 1600 — 2500

Archean — 3000

Stratigraphy codes from OF 4370

Dqfb — Siver Cr. Fm.

Dcqm — Chase Fm.

?

Columbia River Fault Zone (Eocene)

Ductile to brittle extensional deformation; normal and strike-slip faulting (Eocene). Gently east-dipping to flat

Ladybird Leucogranite Suite syntectonic pegmatite in FW of CRFZ 54-59Ma

Whatshan Batholith (77-79 Ma)

Post acretionary pluton

Insular Belt docks with west side of Intermontane Belt (100 Ma)

Intermontane Belt docks with North American plate (185-175 Ma)

?

Monashee Metamorphism

Greenschist to amphibolite facies (sillimanite) metamorphism and tight folding of strata overlying core gneiss domes, possibly during the Antler Orogeny, or possibly during the collision of Intermontane Superterrane with ancestral North America in Mid Jurassic

?

Antler Orogeny (?)

Gneissic leuco quartz monzonite fine-grained plutonic to pegmatitic sills and dykes

(age uncertain)

Graphitic Horizons

Silver Creek Formation
Quartz-feldspar-muscovite-biotite schist ± garnet, staurolite and sillimanite; black carbonaceous schist; dark grey to tan micaceous quartzite; minor white to grey marble; amphibolite schist

Chase Formation; Calcareous quartzite marker unit
White to light grey, cliff-forming, calcareous quartzite; diopside-rich calcsilicate bands

Unconformity

Pqfh — Tsuius Schist

Biotite-quartz-feldspar schist (± sillimanite, garnet); amphibolite; calc-silicate gneiss; micaceous quartzite

Graphitic Horizons

Mantle Zone Overlying Core Gneiss

Unconformity

Core Zone Gneiss Domes

Deformation and intrusions into core zone gneiss domes of the Monashee Metamorphic Complex (eg. Thor-Odin, Pinnacles, Valhalla)

Biotite granite gneiss; 1874 ± 21 Ma (Source rock: 2.2Ga)

Hornblende-biotite-Kfeldspar augen gneiss; 1934 ± 6 Ma (Source rock: 2.8Ga)

Core Zone Gneiss Domes

Heterogeneous supracrustal sequence metamorphosed to migmatitic layered biotite-quartz-feldspar paragneiss. Dated at 2.2 Ga. (derived from 2.3-3.3 Ga source rocks)

Sedimentary Rocks

Data from: Read et al., 1979 (OF 658); Parkinson, 1991;Thompson et al., 2004 (OF 4370); GSA Geologic Time Scale, 2009 .

Noram Ventures Inc.

Jumbo Property, Slocan Mining Division, B.C.

Stratigraphy and Geochronology of the Monashee Metamorphic Complex in the Pinnacle Peaks Area

G. Allen, November, 2015

Figure 6

5.2 Property Geology

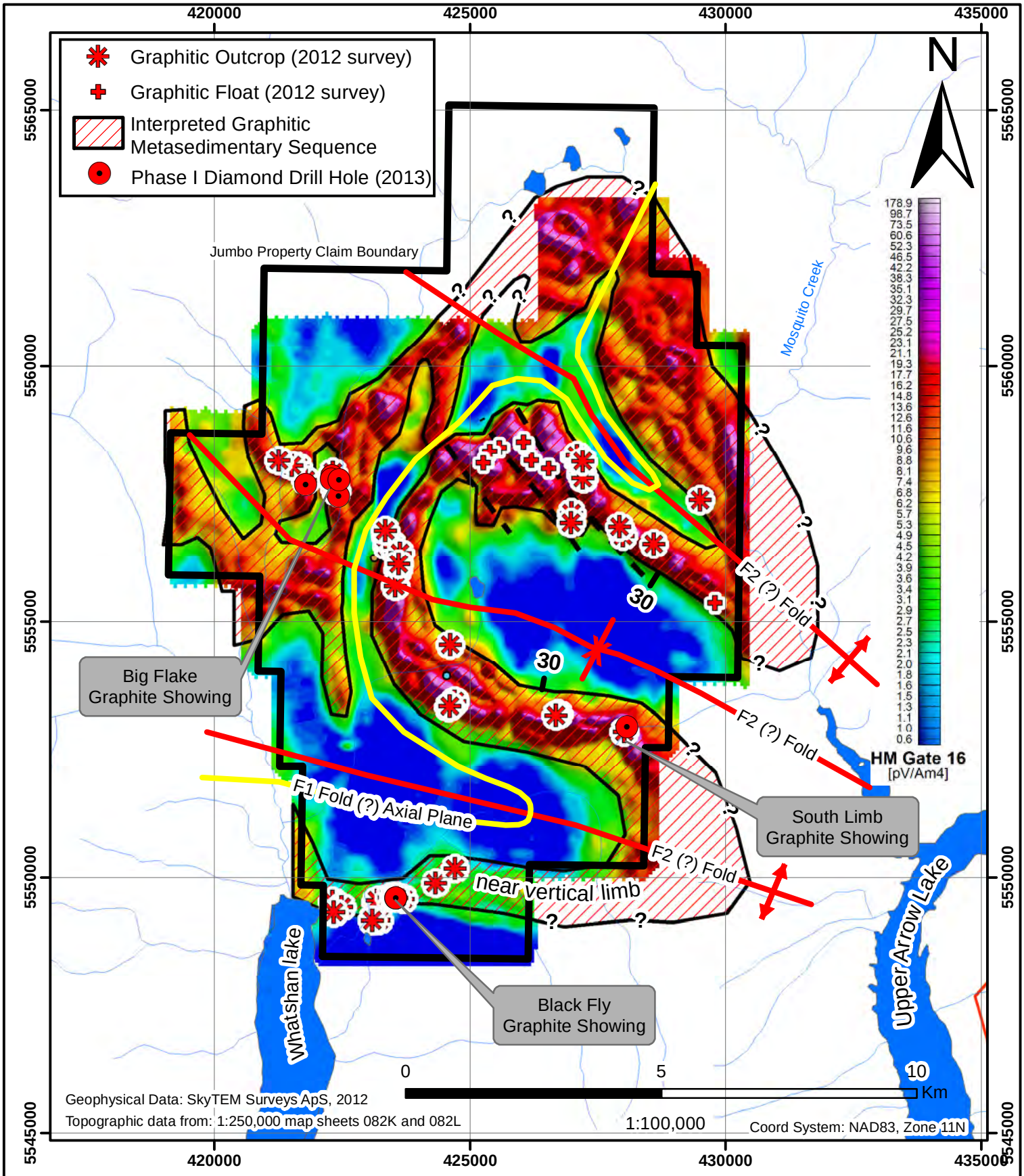
The Jumbo Graphite Property was partially geologically mapped during a 10 day field program in October of 2012 (Allen, 2012). It is underlain by a metasedimentary sequence, probably deposited in a continental margin environment. These rocks have been affected by polyphase deformation and undergone upper amphibolite facies medium to high grade metamorphism, with the development of biotite, garnet and sillimanite (± staurolite; Thompson et al., 2004).

The sequence is dominated by quartz-rich metasandstones. Where these sediments were relatively clean, they formed quartzites. Impure quartzose units, probably with a muddy component, were metamorphosed to fine-grained quartz-biotite ± muscovite ± garnet schists. Graphite-bearing units occur within a 300-800m thick sequence with lower quartz content. Rocks in this package consist of fine-grained graphitic quartzite, graphitic quartz-biotite schist, marble ± graphite, and coarse-grained biotite ± muscovite and garnet ±sillimanite schist. Protoliths were likely muddy sandstone, limestone, and calcareous mudstone. Some units presumably had a significant organic component which was converted to graphite during metamorphism. Distribution of graphite in the sequence is not ubiquitous, occurring sporadically in units ranging from less than a meter to several tens of metres thick with non graphitic rock in between.

Graphitic rock is generally distinctive and can commonly be identified from a distance in the field. It is typically strongly gossanous with good fissile or slabby cleavage. The most common type of graphitic rock is a fine-grained quartzite or quartz-biotite schist with 1-2% very fine-grained disseminated and clotty pyrite and rare traces of chalcopyrite. Graphite occurs as bright blue-black flakes disseminated throughout and oriented parallel to the foliation plane. Flake sizes generally range from fine-grained (< 0.1mm) to coarse-grained (>1mm). Estimations of percent graphite are very difficult to make since it is only visible when looking across foliation. Graphite is also difficult to differentiate from fine-grained muscovite and biotite in some light, and volumes can appear much higher than assays indicate.

TEM-defined conductors were found to have graphitic metasedimentary rocks associated in all cases. Distribution of the interpreted graphitic units in relation to the TEM-indicated conductors is presented in Figure 7. It appears that all conductors on the property, which have a total length of almost 50km, may be related to a single continuous complexly folded graphitic sequence. The most obvious structural deformations of the stratigraphy are folds with east-southeast trending fold axes as shown in red in Figure 7. A synform in the central part of the property has gently to moderately dipping limbs. Foliation and bedding planes in rocks in the south part of the property are near vertical. These folds appear to be a later stage deformation of an earlier formed recumbent isoclinal fold with a deformed axial plane as interpreted in yellow in Figure 7. The structural history of the property is not well understood.

The schistose metasedimentary rocks have been intruded by abundant sills and dykes of fine to medium-grained leucocratic granitic (monzodiorite?) rock, and leucocratic feldspar-



Noram Ventures Inc.

Jumbo Property, Slocan Mining Division, B.C.

Structural Interpretation of the TEM (HM Z G16_EA1) Plot with Graphite Occurrences (2012) and Phase I Drilling (2013)

G. Allen, November, 2015

Figure 7

quartz-muscovite ± biotite ± black tourmaline pegmatite. Pegmatites and finer-grained intrusions are intimately associated and obviously related to the same magmatic event. Finer-grained intrusive rocks generally show a gneissic foliation which parallels foliation in the host schists. All intrusions have a sporadic fine-grained pink garnet content, suggesting that they formed from partial melting of the host schists (anatexis). Intrusion widths range from less than a metre to several ten's of metres. In some cases they may be plugs.

It is unclear when these intrusions were injected into the sequence. If they are associated with the early formed isoclinal folds, they will likely largely follow foliation contorted during the later folding events. If they are related to the late-stage folding event, they may follow foliation planes which crosscut stratigraphy. Better mapping control is required.

5.3 Economic Setting

Graphite occurrences listed in the Minfile mineral inventory are widely spaced in the higher-grade metamorphic rocks throughout the Kootenay terrane (Figure 4). One of these, the Black Crystal deposit currently owned by Eagle Graphite Corporation, is located roughly 40km southeast of the Jumbo property in the Valhalla metamorphic complex. It is the only developed graphite prospect in B.C. Graphite occurs as disseminated fine to coarse-grained flakes on foliation planes and is concentrated within compositional layering in very coarse-grained marble and siliceous metasedimentary rocks. The graphitic horizon is between 80 and 100m thick with grades up to 6.95% graphitic carbon. A 43-101 compatible resource calculated in 2002 using surface trench and drill hole sample results is presented below (Minfile number- 082FNW260, Black Crystal):

	Tonnage	***Grade (fixed carbon_%)***
Regolith (weathered friable rock)		
Measured and indicated:	848,000	1.82
Inferred	516,000	1.69
Calc-silicate		
Indicated	4,763,000	1.21
Inferred	4,591,000	1.24

The previous owner (Crystal Graphite Corporation) was granted two 30 year mining leases (renewable for an additional 30 years) and a mining permit in 2002. A mineral processing plant was constructed at Koch Creek.

Current production figures are not available, but Eagle Graphite Corporation is advertizing graphite concentrates for sale in a range of flake sizes and water contents (*http://www.eaglegraphite.com/graphite-products.php*). They have specification sheets for grain sizes ranging from <100 microns to >300 microns (-150 to +50 mesh), and with purity ranging from 94 to 99% graphitic carbon.

6.0 HISTORY

Graphite was discovered on the subject property in the 1960's but no serious assessment of economic viability was ever conducted. There are no mineral occurrences of any type on the property listed in the B.C. mineral inventory (Minfile).

Coarse-grained flake graphite was observed by Bruce and Grant Doyle in Monashee meta-sedimentary rocks in several locations north and east of Whatshan Lake. The Jumbo property was staked by Bruce Doyle in May and June of 2012 and subsequently optioned to Noram Ventures Inc. on August 23, 2012.

Noram Ventures Inc. contracted an integrated airborne time domain electromagnetic and magnetic survey of the Jumbo property from SkyTEM Surveys ApS of Denmark. Between September 14th and 22nd, 2012, a total of 634.3 km of 200m-spaced north-south flight lines were surveyed using an Astar 350 B2 helicopter.

A program of geological mapping, prospecting and rock sampling was conducted by Noram in October of 2012 (Allen, 2012). The association between graphite and airborne-defined EM conductors was clearly demonstrated, with graphitic metasedimentary rocks being located in all conductive zones investigated. A total of 68 rock grab samples were collected and analysed for graphite and 36 metallic elements. Graphite grades ranged up to 5.38%, and 2-3% graphite content was common. Analyses of rock samples collected from the graphitic pelitic sequence averaged 1.88% graphite. No significant metal anomalies were defined.

A program of diamond drilling was conducted between August 15th and September 4th, 2013 (Allen, 2014), to test graphitic stratigraphy in three areas identified in the 2012 mapping and prospecting program. This Phase I drilling program consisted of 1294.79 m of BQ thin wall core drilling in 8 holes in the Big Flake, Black Fly, and South Limb areas. A total of 510 samples were collected and submitted to SGS Minerals Services in Lakefield Ontario for graphite analyses. Units of graphitic metasediment and marble were intersected in all holes drilled. Graphite mineralization intersected in the Big Flake and Black Fly areas was generally low grade and no further work was recommended there. The best and most consistent grades were intersected in drill hole J13-008D in the South Limb area, which contained 1.50% graphite over 124.36m (true width, entire hole), and 2.81% graphite across 29.07m (true width). This mineralization was coincident with one of the stronger and wider conductive features defined by the airborne TEM survey. More drilling was recommended.

Between June 1st and September 9th, 2014, a program of prospecting and rock sampling was conducted, focusing largely on new claims staked in the north part of the property (Allen, 2014). Roughly 5000 hectares of the claims were prospected along road cuts, and 38 rock grab and chip samples were collected. Graphitic stratigraphy was located in several areas. A series of continuous rock chip samples along Branch 1 Road graded 3.32% graphite along 48m sub-parallel to stratigraphy.

7.0 2015 EXPLORATION PROGRAM

Between August 4th and September 10th, 2015, Bruce and Grant Doyle conducted a program of prospecting and rock sampling on the Jumbo property at a cost of $21,435 (Appendix 4). Roughly 6000 hectares of the property was prospected for graphite, focusing largely in the areas of strong and discrete conductive zones as defined in the 2012 airborne TEM survey. These areas had been covered in previous preliminary prospecting surveys but exposure is poor, access is difficult in many areas, and new exposures of graphitic stratigraphy will undoubtedly be discovered during any number of similar programs.

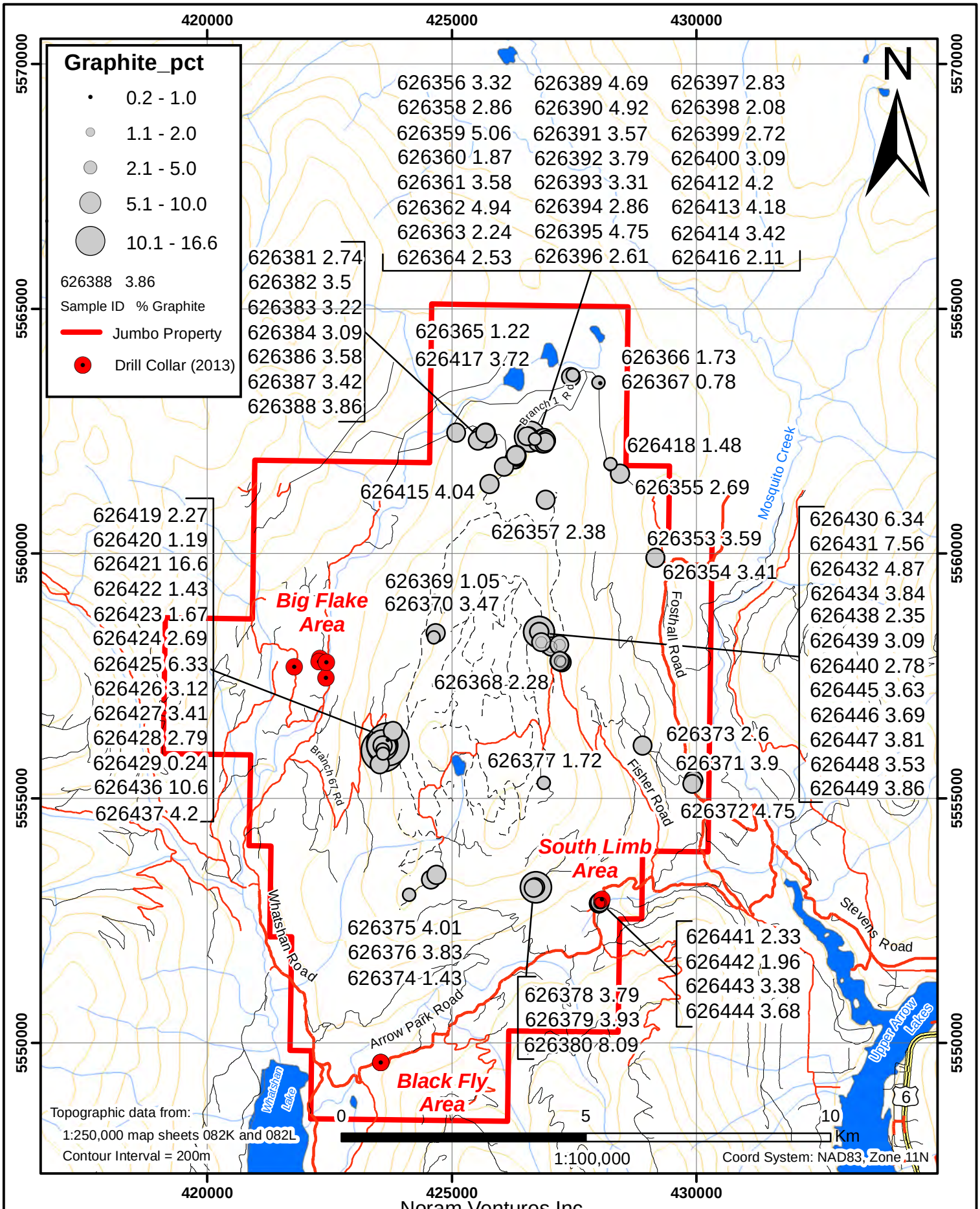
A total of 84 select rock grab samples were collected and sent to ALS Minerals in North Vancouver for graphite analyses using a LECO process. Rock sample locations and descriptions are presented in Appendix 1, and assay certificates in Appendix 3. Sample locations and graphite content are shown in Figure 8 and at a larger scale (1:10,000) in Figures 9a and 9b (Appendix 2).

As mentioned, prospecting in 2015 was conducted along the trends of the TEM-defined conductive zones as shown in Figure 10. The Big Flake and Black Fly areas were not covered during this program since conductive anomalies in these areas are not strong and previous drilling indicated that no further work was warranted there at this time. As demonstrated in previous programs, the correlation between the conductive zones and graphite mineralization is excellent. During this program additional work in the upper part of the Branch 67 Road system lead to the discovery of zones of high grade flake graphite with grades up to 16.6% (sample 626421). This material is described in Appendix 1 as “dark grey massive flake graphite.” Previous mapping and prospecting in this area indicated the presence of graphitic mineralization, but with nothing like the high grades discovered in 2015. High grade graphitic material was found to be recessively weathered and poorly exposed, suggesting that drilling of conductive features would be a far better test of these targets than extensive mapping and rock sampling.

8.0 INTERPRETATION AND CONCLUSIONS

As concluded in previous programs, the conductive features delineated in the airborne TEM survey are consistently associated with graphitic stratigraphy, and quite possibly with the same contorted horizon throughout the property. It appears that all of the roughly 50km cumulative length of this conductive horizon has potential to host significant concentrations of graphite and very little of that total strike length has been tested. Results from the phase I drilling program suggest that exploration should be focused on the strongest and most discrete parts of these conductive features.

The discovery of recessive weathering high grade graphite horizons in the upper Branch 67 Road system during the 2015 program indicates that drilling is the only way to adequately test these conductive features. At this point the best observed grades occur



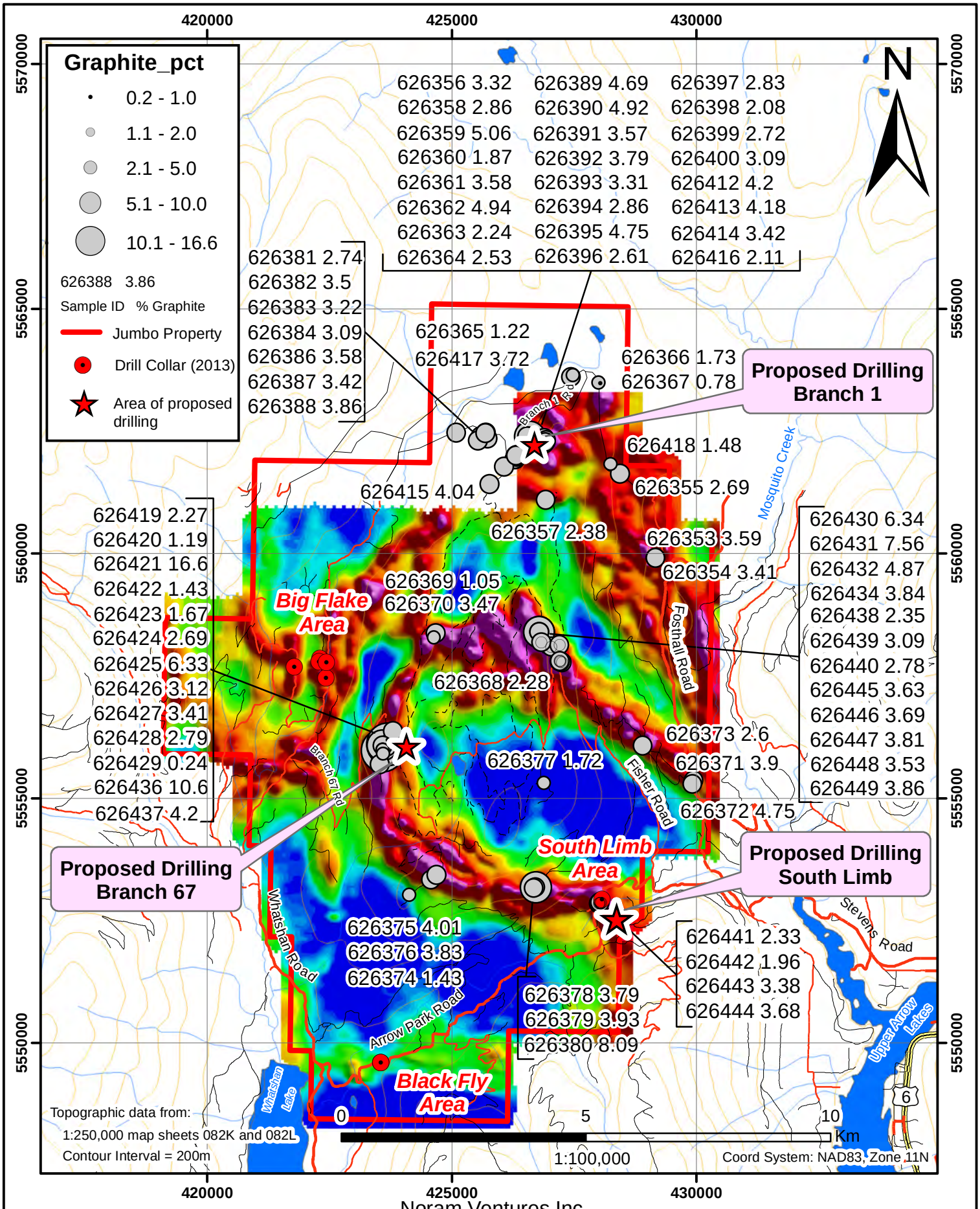
Noram Ventures Inc.

Jumbo Graphite Property, Slocan Mining Division, B.C.

Rock Sampling 2015 - Percent Graphite

G. Allen, Nov., 2015

Figure 8



Noram Ventures Inc.

Jumbo Graphite Property, Slocan Mining Division, B.C.

Rock Sampling 2015 - Percent Graphite

Time Domain Electromagnetic Survey (SkyTEM)

G. Allen, Nov., 2015

Figure 10

at the South Limb, Branch 67 and Branch 1 areas (Figure 10). Drilling is warranted in these three areas, but drill targets should also include some of the stronger conductive features with or without associated known graphite mineralization. Observed mineralization is not necessary for an area to qualify as a valid drill target. The consistent correlation between graphite mineralization and the conductive features indicates that the TEM plot is accurately locating the graphitic horizon, and drilling can be conducted with some confidence on the basis of the conductivity plot alone.

9.0 RECOMMENDATIONS

As recommended in the 2014 assessment report, continued drilling is recommended in the South Limb area (Allen, 2014). The Branch 1 and upper Branch 67 areas have significant observed graphite mineralization and also warrant drill testing (Figure 10). Several other strong and well defined conductive features should also be drill tested to maximize coverage. Detailed structural geological mapping would logically be conducted in these selected areas prior to drilling to determine optimum dip angles and practical collar locations.

A total of 3000m of drilling is recommended in 20 to 25 holes. This program is estimated to cost approximately $700,000. A budget is presented in Table 2.

Table 2

Noram Ventures Inc.

Jumbo Graphite Property

Budget for Proposed Phase II Drilling Program

Item	Quantity / Days	Rate	Cost	Cost	Cost
Personnel:					
Geologist / project manager	5	500	2500		
Consulting geologist	55	600	33000		
Geologist	55	400	22000		
Prospector	55	350	19250		
			76750	76750	
Drilling:					
Direct drilling costs to contractor	3000	150	450000	450000	
Analyses (Graphite only):					
Rocks (surface prospecting)	65	45	2925		
Core	1200	45	54000		
			56925	56925	
Accommodation:					
Rooms	170	100	17000		
Meals (daily)	170	50	8500		
			25500	25500	
Transportation:					
Truck rental (2 vehicles)	110	100	11000	11000	
Road Building for Drill Access ***(roughly 250m):***				2000	
Field Supplies				2000	
Fuel				1500	
Report				10000	
Subtotal				635675	
Contingency (10%)				63568	
Total				699243	**$699,243**

or roughly: **$700,000**

G. Allen, November, 2015

10.0 REFERENCES

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CERTIFICATE OF AUTHOR

I, GORDON J. ALLEN, P. GEO, DO HEREBY CERTIFY THAT:

1. I am a consulting geologist with a home office at:

   2479 Jackson Valley Road,
   Duncan, British Columbia, V9L 6B2

2. I am responsible for the preparation of the report titled "Technical Assessment Report on the Rock Sampling Survey on the Jumbo Graphite Property" (the "Technical Report") and dated November 24, 2015.

3. I am a graduate from the University of British Columbia with a Bachelor of Science, Honours Geology degree (1975).

4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (19692).

5. I have worked as a geologist for a total of forty years since my graduation from university and for thirty of those years I have held professional status.

6. I am responsible for the preparation of all sections of this Technical Report using data supplied to me by Mr. David Reese (President of Noram Ventures Inc.) and Mr. Bruce Doyle.

7. My previous involvement with the subject property include a program of geological mapping and rock sampling conducted in October of 2012, and the management of a drilling program conducted between August 15th and September 4th, 2013. I subsequently wrote assessment reports documenting both of those work programs.

8. I am independent of the issuer as defined in section 1.4 of National Instrument 43-101.

9. I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that has not been disclosed, the omission of which would make the Technical Report misleading.

Dated this 24th Day of November, 2015.

Gordon J. Allen, P. Geo

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. J. ALLEN
GEOSCIENTIST

Appendix 1

2015 Exploration Program

Surface Rock Sample Descriptions and Locations

Jumbo Graphite Property

2015 Program, Surface Rock Sample Descriptions and Locations

Sample_ID	Graphitic_C_pct	Wt_kg	Lab	Method	Assay_Cert	Cert_Date	Datum	UTM_Zone	East	North	Description
626353	3.59	1.24	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	429171	5559912	Grab of quartz-graphite schist with trace biotite and pyrite rusty. Bed rock
626354	3.41	0.92	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	429171	5559912	Grab of quartz-graphite schist with trace biotite and pyrite rusty. Bed rock
626355	2.69	0.90	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	428440	5561630	Grab of quartz-graphite schist with biotite trace pyrite rusty. Bed rock Branch 1 above road showing
626356	3.32	1.30	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426567	5562393	Grab of quartz-graphite schist with trace pyrite and biotite rusty Bed rock Branch 1 caribou
626357	2.38	0.76	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426925	5561099	Grab of quartz-graphite schist with trace pyrite and biotite rusy Bed rock Branch 1 caribou
626358	2.86	0.78	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426541	5562393	Grab ofquartz-graphite schist with trace fine pyrite Bed rock rusty Branch 1
626359	5.06	1.04	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426607	5562381	Grab of quartz-graphite schist rusty bed rock Branch 1
626360	1.87	1.14	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426707	5562334	Grab of Silicified limestone with disseminated black graphite Bed rock Branch 1
626361	3.58	1.10	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426761	5562277	Grab of silicified limestone impure with disseminated black graphite Bed rock Branch 1
626362	4.94	1.22	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426859	5562254	Grab of silicified limestone with disseminated and dark bands of black graphite Bed rock Branch 1
626363	2.24	0.84	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426915	5562270	Grab of quartz-graphite with trace pyrite Bed rock Branch 1
626364	2.53	1.10	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426933	5562311	Composite grab sample over a 10mx10m area of quartz-graphite schist with trace pyrite subcrop Brance 1
626365	1.22	1.30	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	427474	5563645	Composite grab of quartz-graphite schist with trace pyrite and biotite Bed rock Caribou lake road
626366	1.73	1.08	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	427998	5563495	Grab of quartz-graphite schist with pyrite and biotite Bed rock Caribou lake road
626367	0.78	1.32	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	428036	5563486	Grab of quartz-graphite biotite schist with trace pyrite rusty subcrop Caribou lake road
626368	2.28	1.30	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	427210	5557801	Grab of quartz-graphite Schist trace pyrite rusty Bed rock Fisher Road near sample 55202
626369	1.05	0.78	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	424637	5558286	Grab of quartz-graphite-biotite schist trace pyrite float found in creek Branch1 to Froggy lake
626370	3.47	0.88	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	424675	5558369	Grab of Quartz-graphite schist with trace biotite pyrite rusty subcrop Branch 1 to Froggy lake
626371	3.90	0.96	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	429923	5555285	Grab of quartz-graphite schist with fine pyrite rusty float at the junction of upper fisher and fostall roads
626372	4.75	1.02	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	429947	5555361	Grab of quartz-graphite schist with fine pyrite rusty float at the junction of upper fisher and fostall roads
626373	2.60	0.76	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	428908	5556074	Grab of quartz- graphite schist trace pyrite biotite Bed rock road to fisher
626374	1.43	1.22	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	424127	5553029	Grab of layered marble light and darker layers with graphite Bed rock Froggy lake road
626375	4.01	1.02	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	424583	5553331	Grab of quartz- graphite schist fine grained graphite dark grey Bed rock froggy lake road

Jumbo Graphite Property

2015 Program, Surface Rock Sample Descriptions and Locations

Sample_ID	Graphitic_C_pct	Wt_kg	Lab	Method	Assay_Cert	Cert_Date	Datum	UTM_Zone	East	North	Description
626376	3.83	1.20	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	424694	5553431	Grab of weathered dark sed with some semmi massive graphite slips subcrop Froggy lake road
626377	1.72	0.80	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426884	5555309	Grab of blue-gray limestone no visible graphite Bed rock new road near Froggy lake
626378	3.79	1.62	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426681	5553159	Grab of weathered quartz-graphite schist. Bed rock above steavens road near hole no 8
626379	3.93	1.24	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426712	5553180	Grab of weathered dark grey quartz-graphite schist Bed rock above steavens road near hole no 8
626380	8.09	0.88	ALS	Leco	VA15127266	9/4/2015	NAD83	11N	426724	5553179	Grab of high grade semi massive grey graphite very soft rock some quartz subcrop above drill hole no 8
626382	3.50	1.12	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425700	5562470	Grab of quartz-graphite schist trace pyrite large graphite flakes Bed rock Branch 1 west of road showing
626383	3.22	0.76	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425731	5562353	Grab of quartz-graphite schist trace pyrite Float Branch 1 west of road showing
626384	3.09	0.96	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425540	5562305	Grab of quartz-graphite schist trace pyrite rusty Bed rock Branch 1 west of road showing
626385	2.42	1.04	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	435484	5567331	Grab of quartz-graphite schist trace pyrite biotite rusty Bed rock Branch 1 west of road showing
626386	3.58	0.88	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425592	5562395	Grab of quartz-graphite schist trace pyrite biotite rusty Bed rock Branch 1 west of road showing on old road
626387	3.42	1.14	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425684	5562434	Grab of quartz-graphite schist trace pyrite biotite rusty Bed rock Branch 1 west of road showing on old road
626388	3.86	0.74	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	425097	5562464	Grab of quartz-graphite schist trace pyrite biotite subcrop from ditch Branch 1 west of road showing on old road
626389	4.69	0.96	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426855	5562260	Grab of silicified limestone with dark grey disseminated graphite no pyrite Bed rock Branch 1 east of the road showing
626390	4.92	1.02	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426860	5562238	Grab of weathered dark carbonate rich rock disseminated dark grey graphite Bed rock Branch 1 east of the road showing
626391	3.57	0.98	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426889	5562237	Grab of weathered dark grey carbonate rich rock disseminated graphite trace pyrite Bed rock Branch 1 east of the road showing
626392	3.79	1.06	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426932	5562298	Grab of quartz-graphite schist trace pyrite rusty Bed rock Branch 1 east of road showing
626393	3.31	0.94	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426899	5562322	Grab of quartz-graphite schist trace pyrite rusty Bed rock Branch 1 east of the road showing
626394	2.86	1.08	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426892	5562360	Grab of quartz-graphite schist fine pyrite rusty Bed rock Branch 1 east of the road showing
626395	4.75	1.04	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426858	5562345	Grab of weathered quartz-graphite schist subcrop Branch 1 east of the road showing
626396	2.61	0.86	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426325	5562007	Grab of quartz-graphite schist from road cut rusty Bed rock Branch 1 road
626397	2.83	0.78	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426323	5561975	Grab of quartz-graphite schist from road cut rusty Bed rock Branch 1 road
626398	2.08	0.86	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426314	5562000	Grab of quartz- graphite schist trace pyrite rusty Bed rock Branch 1 road
626399	2.72	0.78	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426312	5561992	Grab of dirty limestone layered with disseminated dark graphite Bed rock Branch 1 road

Jumbo Graphite Property

2015 Program, Surface Rock Sample Descriptions and Locations

Sample_ID	Graphitic_C_pct	Wt_kg	Lab	Method	Assay_Cert	Cert_Date	Datum	UTM_Zone	East	North	Description
626400	3.09	0.90	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426314	5561996	Grab of Graphite banded limestone disseminated black graphite Bed rock Branch 1 road
626412	4.20	0.78	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426301	5561920	Grab of a thin layered carbonate rich rock with quartz-graphite Bed rock Branch 1 road
626413	4.18	1.04	ALS	Leco	VA15128944	9/1/2015	NAD83	11N	426284	5561920	Grab of a thin layered carbonate rich rock with disseminated black graphite Bed rock Branch 1
626414	3.42	0.82	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426311	5561997	grab from limstone bed on edge of road silicious with layered flake graphite location branch1
626415	4.04	1.16	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	425773	5561420	grab of rusty quartz-graphite schist from road bank subcrop location branch1
626416	2.11	0.80	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426068	5561775	grab of silicious limestone with bands of dark graphite float location branch1
626417	3.72	0.80	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	427440	5563601	grab of quartz-graphite-biotite schist with fine pyrite from bedrock location caribou lake road
626418	1.48	0.70	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	428243	5561825	grab of rusty quartz-graphite biotite schist with fine pyrite from bedrock location caribou lake road
626419	2.27	1.02	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423534	5555695	grab of quartz graphite schist rusty bedrock location Branch 67
626420	1.19	0.82	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423596	5555902	grab of quartz-carbonate rock with diss flake graphite from bedrock location branch 67
626421	16.60	0.44	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423590	5555972	grab of high grade subcrop dark grey black massive flake graphite location branch 67
626422	1.43	0.86	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423591	5555985	grab of quartz-graphite carbonate rock from bedrock location Branch 67
626423	1.67	0.94	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423591	5555990	grab of quartz graphite schist trace pyrite rusty from bedrock location 67
626424	2.69	0.96	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423588	5556075	grab of flake graphite quartz schist with calcite and fine pyrite subcrop location Branch 67
626425	6.33	0.98	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423588	5556075	grab of flake graphite quartz schist with calcite and fine pyrite some semi massive grey graphite subcrop location Branch 67
626426	3.12	1.86	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423684	5556054	grab of grey sed with semi massive graphite slips weathered carbonate trace pyrite rusty bedrock location Branch 67
626427	3.41	1.22	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423684	5556075	grab of quartz graphite schist trace pyrite rusty bedrock location Branch 67
626428	2.79	0.80	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423798	5556371	grab quartz graphite schist trace pyrite rusty bedrock location above Branch 67 road
626429	0.24	1.20	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423694	5556194	grab of massive skarn pyrite with trace flake graphite bedrock location above Branch 1 road
626430	6.34	0.84	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426793	5558393	grab of quartz graphite with semmi massive fine grey graphite cross cutting calcite veins and amphibole's from bedrock location Fisher
626431	7.56	0.98	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426793	5558393	grab of quartz graphite with semi massive dark graphite trace rust amphiboles present from bedrock location Fisher
626432	4.87	0.68	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426793	5558397	grab of quartz graphite with semi massive dark graphite and amphiboles bedrock location Fisher
626434	3.84	0.66	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	426793	5558393	grab of quartz graphite schist rusty trace pyrite bedrock location Fisher Road

Jumbo Graphite Property

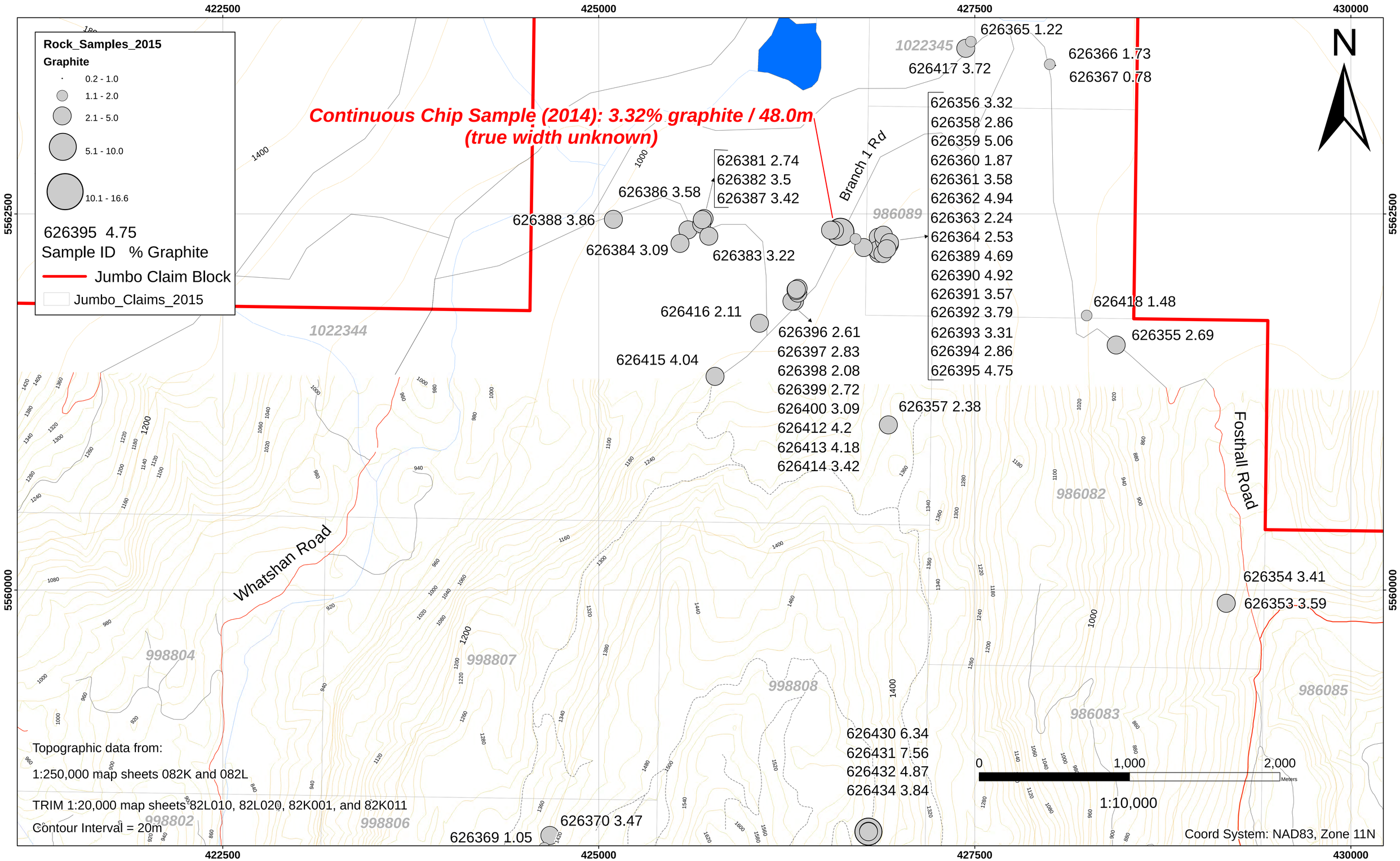
2015 Program, Surface Rock Sample Descriptions and Locations

Sample_ID	Graphitic_C_pct	Wt_kg	Lab	Method	Assay_Cert	Cert_Date	Datum	UTM_Zone	East	North	Description
626436	10.60	1.32	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423700	5556099	grab of semi massive black graphite with quartz and calcite from bedrock above Branch 67 road
626437	4.20	0.68	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	423700	5556098	grab of quartz graphite schist rusty from bedrock location above the Branch 67 road
626381	2.74	0.74	ALS	Leco	VA15139677	9/30/2015	NAD83	11N	425688	5562463	grab of quartz graphite schist rusty subcrop locaton Branch 1
626438	2.35	0.8	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427206	5558132	grab of quartz-graphite schist from in place in road cut location Fisher
626439	3.09	0.84	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427035	5558097	grab of quartz-graphite schist rusty from subcrop location Fisher
626440	2.78	1.1	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	426832	5558183	grab of quartz-graphite schist rusty from bedrock location Fisher
626441	2.33	0.82	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	428038	5552872	grab of silicious quartz with diss-flake grahite trace pyrite from bedrock location top of steavens
626442	1.96	0.88	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	428055	5552871	grab of fine grained sed with fine pyrite and flake graphite trace biotite from bedrock location top of steavens
626443	3.38	0.94	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	428019	5552859	grab of fine grained quartz-graphite sed with fine pyrite bedrock location top of Stevens Road
626444	3.68	0.9	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	428011	5552845	grab of quartz-graphite schist with trace biotite muscovite rusty from bedrock location top of Stevens Road
626445	3.63	1.42	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427209	5557801	grab of a layered flake graphite quartz schist trace pyrite rusty from bedrock location Fisher
626446	3.69	0.86	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427213	5557805	grab of fine grained flake graphite schist some semi massive graphite from bedrock location Fisher
626447	3.81	0.78	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427219	5557797	grab of quartz-graphite schist trace fine pyrite rusty from bedrock location Fisher
626448	3.53	0.94	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427216	5557806	grab of quartz-graphite schist slight rust color from bedrock location Fisher
626449	3.86	0.86	ALS	Leco	VA15139682	9/30/2015	NAD83	11N	427254	5557776	grab of layered quartz-graphite schist trace pyrite rusty float from old road location Fisher

Appendix 2

Figures 8a and 8b

Large Format (1:10,000) Rock Sample Location Plans



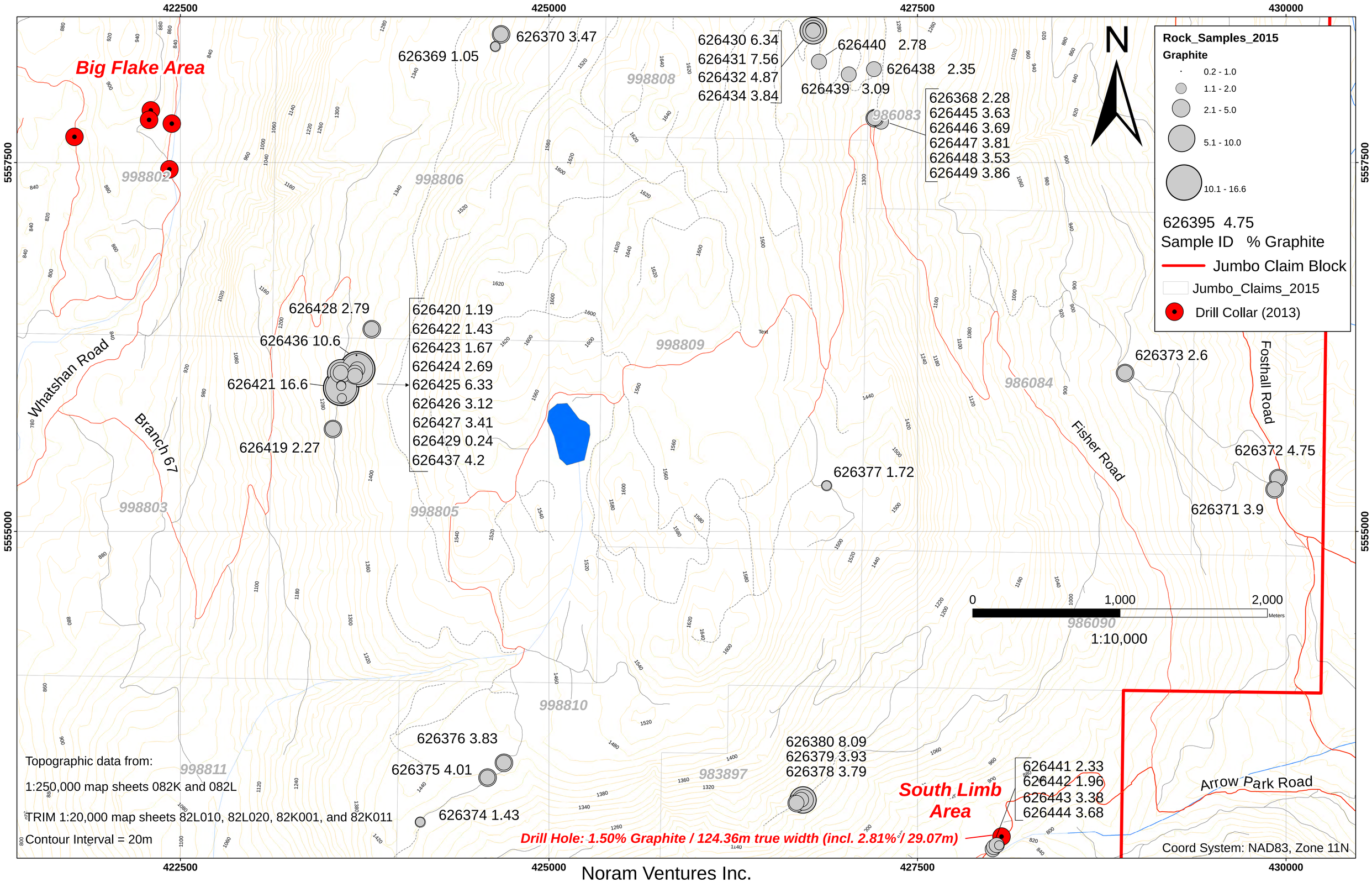
Noram Ventures Inc.

Jumbo Graphite Property, Slocan Mining Division, B.C.

Rock Sampling 2015 (North Part) - Percent Graphite

G. Allen, November, 2015

Figure 9a



Noram Ventures Inc.

Jumbo Graphite Property, Slocan Mining Division, B.C.

Rock Sampling 2015 (South Part) - Percent Graphite

G. Allen, November, 2015

Figure 9b

Appendix 3

Assay Certificates

2015 Surface Rock Sampling

ALS LECO

Graphite Analytical Procedure

Carbon in rock generally occurs in 3 forms (apart from diamond): as organic material, as part of the chemical makeup of carbonate minerals, and as graphite. To measure graphite content, the other forms of carbon must be removed from the sample. This is typically done by roasting the sample to remove organic carbon (<800°C to avoid burning the graphite), and by acid leaching to dissolve carbonate minerals. Specifics of the techniques, such as temperature of combustion and type and strength of acids used vary between labs, and there does not appear to be an industry standard procedure.

Graphite analyses at commercial laboratories are typically done using a **combustion infrared detection technique**. The most common instrument used is a furnace manufactured by Leco Corporation, and the whole process is generally referred to as the "LECO technique." A sample stripped of organic and carbonate carbon is heated in an oxygen-flooded LECO furnace to a temperature of 1370-1425°C. Carbon (assumed to be graphite at this point) and sulphur form CO, CO_2 and SO_2. The gases are separated. CO is converted to CO_2 using a heated catalyst, and then analysed by infrared absorption or thermal conductivity detectors.

"The infrared absorption detector measures the absorption of the infrared wavelengths characteristic to CO2 and SO2. The amount of infrared absorption at these wavelengths is correlated to a quantitative content based on standards and the weight of the original specimen." (http://mee-inc.com/chemical-analysis.html)

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

CERTIFICATE VA15127266

Project: JUMBO

This report is for 28 Rock samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

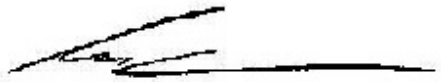
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15127266

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	C- IR18 C Graphi % 0.02
626353		1.24	3.59
626354		0.92	3.41
626355		0.90	2.69
626356		1.30	3.32
626357		0.76	2.38
626358		0.78	2.86
626359		1.04	5.06
626360		1.14	1.87
626361		1.10	3.58
626362		1.22	4.94
626363		0.84	2.24
626364		1.10	2.53
626365		1.30	1.22
626366		1.08	1.73
626367		1.32	0.78
626368		1.30	2.28
626369		0.78	1.05
626370		0.88	3.47
626371		0.96	3.90
626372		1.02	4.75
626373		0.76	2.60
626374		1.22	1.43
626375		1.02	4.01
626376		1.20	3.83
626377		0.80	1.72
626378		1.62	3.79
626379		1.24	3.93
626380		0.88	8.09

***** See Appendix Page for comments regarding this certificate *****

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MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15127266

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

ALS Canada Ltd.

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
This copy reported on
2- SEP- 2015
Account: NORAVEN

CERTIFICATE VA15128944

Project: JUMBO

This report is for 21 Rock samples submitted to our lab in Vancouver, BC, Canada on 24- AUG- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVID REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

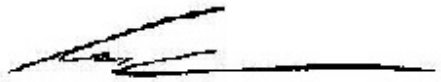
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVID REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15128944

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	C- IR18 C Graphi % 0.02
626382		1.12	3.50
626383		0.76	3.22
626384		0.96	3.09
626385		1.04	2.42
626386		0.88	3.58
626387		1.14	3.42
626388		0.74	3.86
626389		0.96	4.69
626390		1.02	4.92
626391		0.98	3.57
626392		1.06	3.79
626393		0.94	3.31
626394		1.08	2.86
626395		1.04	4.75
626396		0.86	2.61
626397		0.78	2.83
626398		0.86	2.08
626399		0.78	2.72
626400		0.90	3.09
626412		0.78	4.20
626413		1.04	4.18

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15128944

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

ALS Canada Ltd.
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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

CERTIFICATE VA15139677

Project: JUMBO

This report is for 23 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- SEP- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

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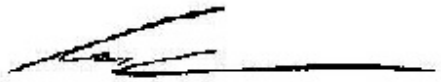
Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15139677

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	C- IR18 C Graphi % 0.02
626414		0.82	3.42
626415		1.16	4.04
626416		0.80	2.11
626417		0.80	3.72
626418		0.70	1.48
626419		1.02	2.27
626420		0.82	1.19
626421		0.44	16.60
626422		0.86	1.43
626423		0.94	1.67
626424		0.96	2.69
626425		0.98	6.33
626426		1.86	3.12
626427		1.22	3.41
626428		0.80	2.79
626429		1.20	0.24
626430		0.84	6.34
626431		0.98	7.56
626432		0.68	4.87
626434		0.66	3.84
626436		1.32	10.60
626437		0.68	4.20
626381		0.74	2.74

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15139677

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

CERTIFICATE VA15139682

Project: JUMBO

This report is for 12 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- SEP- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

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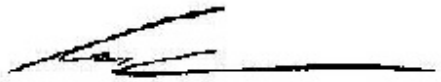
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15139682

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	C- IR18 C Graphi % 0.02
626438		0.80	2.35
626439		0.84	3.09
626440		1.10	2.78
626441		0.82	2.33
626442		0.88	1.96
626443		0.94	3.38
626444		0.90	3.68
626445		1.42	3.63
626446		0.86	3.69
626447		0.78	3.81
626448		0.94	3.53
626449		0.86	3.86

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

CERTIFICATE OF ANALYSIS VA15139682

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

QC CERTIFICATE VA15127266

Project: JUMBO

This report is for 28 Rock samples submitted to our lab in Vancouver, BC, Canada on 19- AUG- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15127266

Sample Description	Method Analyte Units LOR	C- IR18 C Graphi % 0.02
STANDARDS		
GGC- 02		27.2
Target Range - Lower Bound		25.1
Upper Bound		29.0
NCSDC60120		9.90
Target Range - Lower Bound		9.20
Upper Bound		10.60
BLANKS		
BLANK		<0.02
Target Range - Lower Bound		<0.02
Upper Bound		0.04
DUPLICATES		
626362		4.94
DUP		4.92
Target Range - Lower Bound		4.66
Upper Bound		5.20

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 4- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15127266

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
This copy reported on
2- SEP- 2015
Account: NORAVEN

QC CERTIFICATE VA15128944

Project: JUMBO

This report is for 21 Rock samples submitted to our lab in Vancouver, BC, Canada on 24- AUG- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVID REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

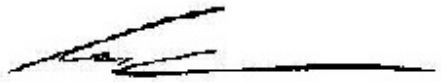
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVID REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15128944

Sample Description	Method Analyte Units LOR	C- IR18 C Graphi % 0.02
STANDARDS		
GGC- 02		27.3
Target Range - Lower Bound		25.1
Upper Bound		29.0
NCSDC60120		10.05
Target Range - Lower Bound		9.20
Upper Bound		10.60
BLANKS		
BLANK		<0.02
Target Range - Lower Bound		<0.02
Upper Bound		0.04
DUPLICATES		
626391		3.57
DUP		3.60
Target Range - Lower Bound		3.39
Upper Bound		3.78

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 1- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15128944

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

QC CERTIFICATE VA15139677

Project: JUMBO

This report is for 23 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- SEP- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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www.alsglobal.com

To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15139677

Sample Description	Method Analyte Units LOR	C- IR18 C Graphi % 0.02
		STANDARDS
GGC- 02		27.1
GGC- 02		27.3
Target Range - Lower Bound		25.1
Upper Bound		29.0
GGC- 08		0.38
Target Range - Lower Bound		0.34
Upper Bound		0.44
NCSDC60120		10.35
Target Range - Lower Bound		9.20
Upper Bound		10.60
		BLANKS
BLANK		<0.02
BLANK		<0.02
Target Range - Lower Bound		<0.02
Upper Bound		0.04
		DUPLICATES
626423		1.67
DUP		1.70
Target Range - Lower Bound		1.58
Upper Bound		1.79
626441		2.33
DUP		2.35
Target Range - Lower Bound		2.20
Upper Bound		2.48

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15139677

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

QC CERTIFICATE VA15139682

Project: JUMBO

This report is for 12 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- SEP- 2015.

The following have access to data associated with this certificate:

BRUCE DOYLE	DAVE REES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

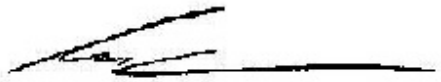
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C- IR18	Graphitic carbon by LECO	LECO

To: NORAM VENTURES INC.
ATTN: DAVE REES
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15139682

Sample Description	Method Analyte Units LOR	C- IR18 C Graphi % 0.02
STANDARDS		
GGC- 02		27.8
GGC- 02		27.3
Target Range - Lower Bound		25.1
Upper Bound		29.0
GGC- 08		0.38
Target Range - Lower Bound		0.34
Upper Bound		0.44
NCSDC60120		10.35
Target Range - Lower Bound		9.20
Upper Bound		10.60
BLANKS		
BLANK		<0.02
BLANK		<0.02
Target Range - Lower Bound		<0.02
Upper Bound		0.04
DUPLICATES		
626441		2.33
DUP		2.35
Target Range - Lower Bound		2.20
Upper Bound		2.48
626445		3.63
DUP		3.60
Target Range - Lower Bound		3.41
Upper Bound		3.82

***** See Appendix Page for comments regarding this certificate *****

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To: NORAM VENTURES INC.
12835 GILDEN ROAD
MADEIRA PARK BC V0N 2H1

Finalized Date: 30- SEP- 2015
Account: NORAVEN

Project: JUMBO

QC CERTIFICATE OF ANALYSIS VA15139682

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C- IR18	CRU- 31	CRU- QC	LOG- 22
PUL- 31	PUL- QC	SPL- 21	WEI- 21

Appendix 4

Itemized Cost Statement

For the 2015 Prospecting and Surface Rock Sampling Program

Itemized Cost Statement for Assessment Work

2015 Prospecting and Rock Sampling Program
(SOW Event Number 5570231)

			Days or Number	Rate	Cost	Cost	Cost
Personnel:	***(between Aug 4 and Sept 10, 2015)***						
	Grant Doyle	prospector with 4x4, quad, fuel					
		August 4,5,6,7,11,12,13,14,15, Sept 1,2,3,9,10	14	500	7000		
	Bruce Doyle	prospector with 4x4, quad, fuel					
		August 11,12,13,14,15,22,23,24, Sept 1,2,3,9,10	13	500	6500		
			27		13500	13500	
Core Storage:						1200	
Assays:	*(Acme Labs Invoices)*		No. Samples				
	VA15127266	graphitic carbon analyses	28	44.70	1251.71		
	VA15128944	"	21	45.03	945.58		
	VA15139677	"	23	43.36	997.34		
	VA15139682	"	12	46.26	555.14		
			84		3749.77	3750	
Report:							
	G. Allen (part of 2014 assessment report costs)					2985	
		Project Total Costs				21435	**$21,435**

Appendix 5

Statement of Exploration and Development Work

SOW Event Number:

5570231