

094097

**REPORT ON GEOLOGY, PROSPECTING
AND DRILLING
OF THE
BIGTOP PROPERTY**

Sidney Creek Area

NTS 105 C 14
Lat. 60° 52' N, Long. 133° 19' W
Whitehorse Mining District
Yukon Territory, Canada

PREPARED FOR:
15053 YUKON INC.
C/O BOX 4375
WHITEHORSE, YUKON
Y1A 3T5

BY:
STEVE TRAYNOR, B.Sc. (Honours, Geology)

MARCH 2000

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 1200.00.

M.B.

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.



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INTRODUCTION

Further development work was completed on the Bigtop Property during the 1999 field season. Detailed prospecting and sampling and limited stratigraphic drilling resulted in a clearer understanding of the underlying geology. It indicated the presence of massive felsic metavolcanic rock that is favourably mineralized with copper, lead, zinc and silver and shows alteration, textures and enrichment/depletion patterns consistent with proximity to a volcanic centre.

PROPERTY LOCATION AND ACCESS

The Bigtop property is located 80 kilometers east of Whitehorse and 12 kilometers west of the south Canol Road on Sidney Creek at the confluence with Iron Creek on NTS Map Sheet 105 C 14. The geographic coordinates of the property are 60°52' N and 133°19' W (see Figures 1 and 2).

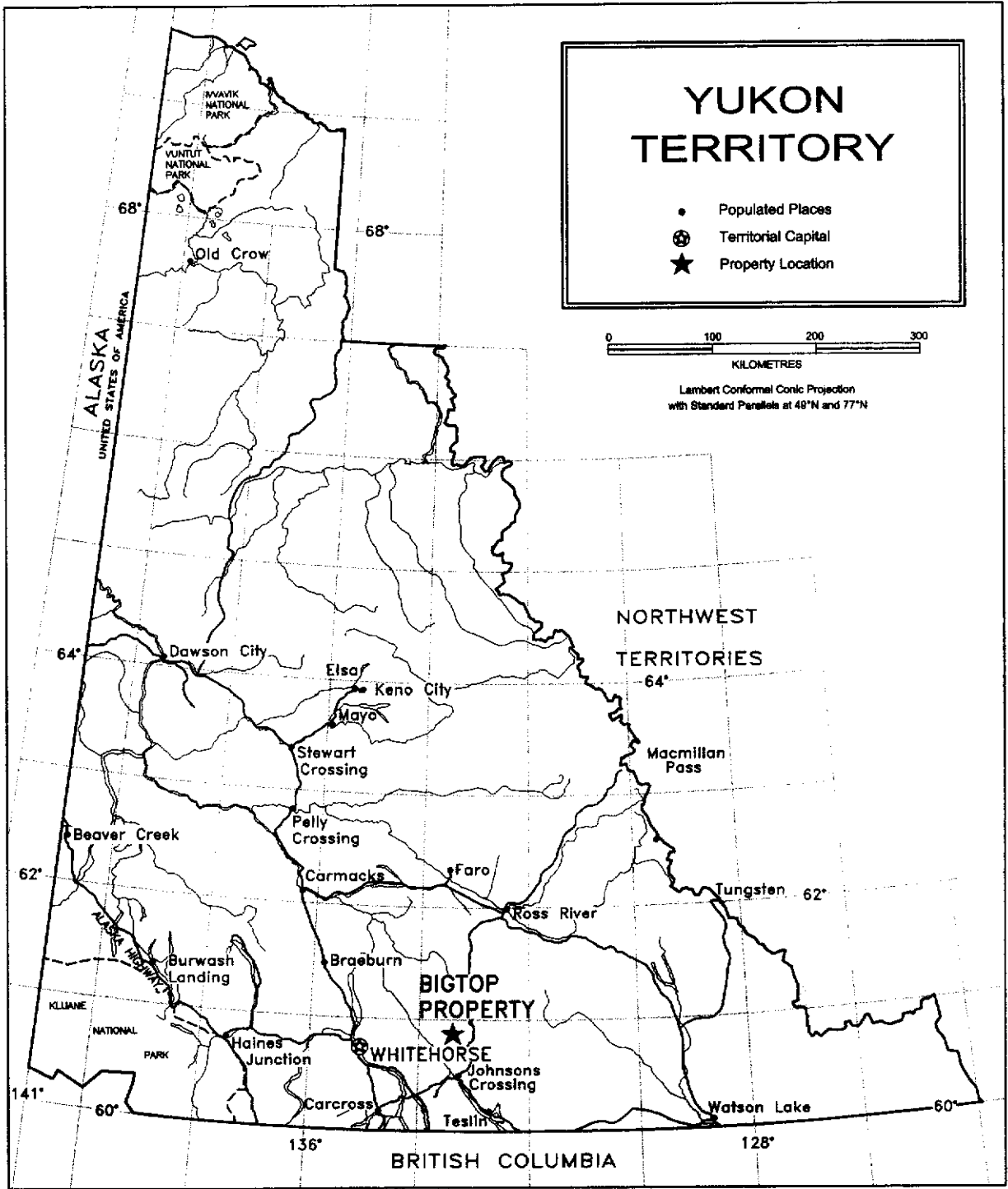
Access to the property is by bush road from Km. 50 on the south Canol Road. An all weather camp is located at 875 meters elevation on the bank of Iron Creek, 16 kilometers along the bush road from the south Canol Road. Several 4-wheel drive roads and ATV trails provide good access to most areas of the claim block. Logistically, Whitehorse provides supplies, equipment and government services for the district.

PROPERTY DESCRIPTION

The Bigtop Property consists of 174 contiguous mineral claims, as shown in Figure 3 and listed in Table 1. The Bigtop 1-30 and Bozo 1-24 claims were staked in June 1996 and 120 additional claims were staked during the 1997 field season. The author has inspected many of the claim posts and lines, which are all in good order, and has supervised the tagging of all the claims.

TABLE 1
Claim Data

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
BOZO 1 - 8	YB67080 - YB67087	March 31, 2005
BOZO 9 - 24	YB67298 - YB67313	March 31, 2005
BOZO 25 - 38	YB97749 - YB97762	March 31, 2005
BOZO 39 - 52	YB97845 - YB97858	March 31, 2005
BOZO 53 - 70	YC08057 - YC08074	March 31, 2005

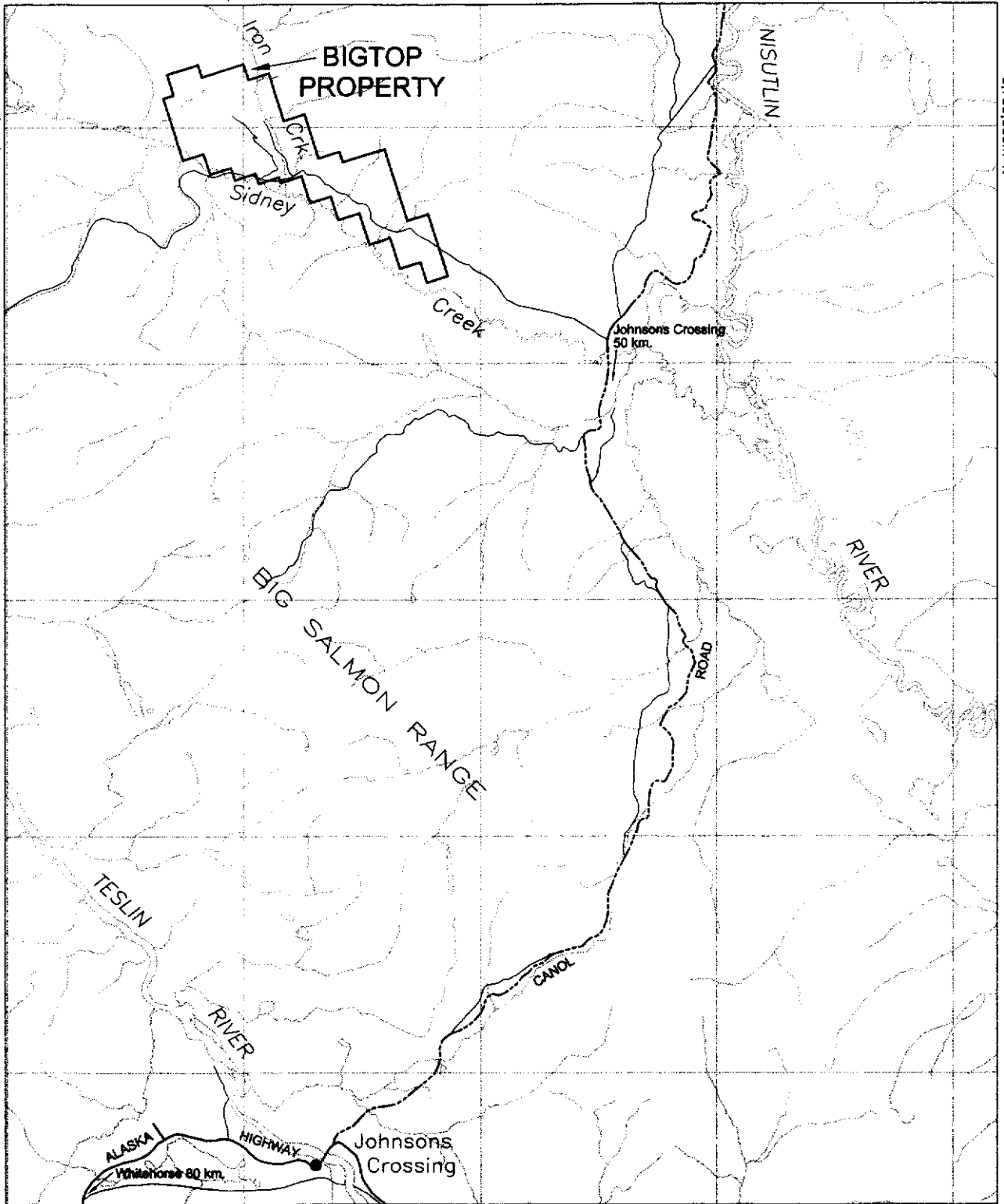


15053 YUKON INC.		
BIGTOP PROPERTY Location Map		
TANANA EXPLORATION Steve Traynor, Geologist		
SCALE: 1 : 6,000,000		DATE: 97.12.08
NTS: 105 C/14	DRAWN:	FIGURE 1

590,000m E





UTM 6,750,000m N

6,750,000m N




UTM 590,000m E

LEGEND

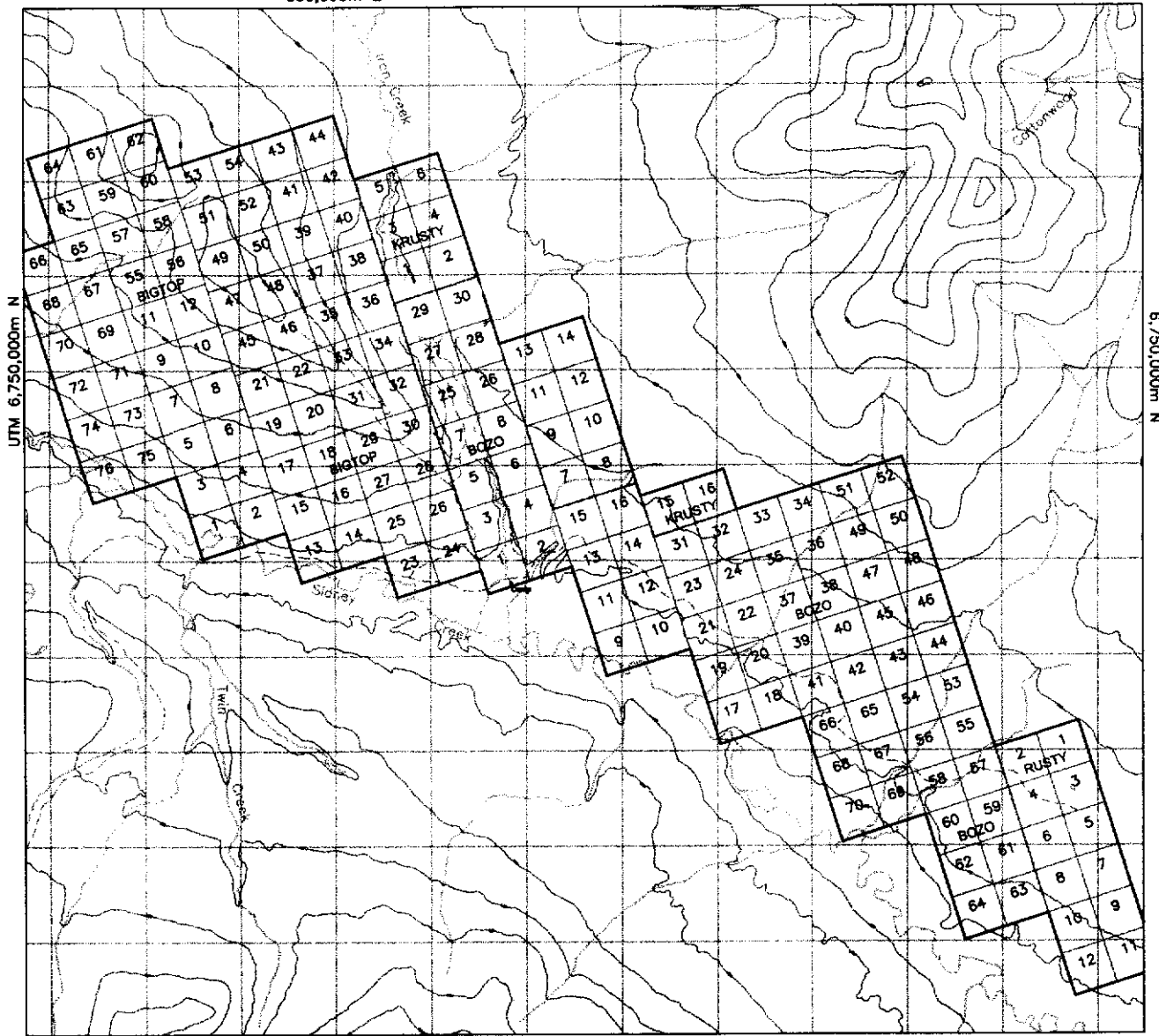
- stream, creek 
- road, trail 
- all weather road 
- claim group boundary 

N
UTM Grid North



15053 YUKON INC.		
BIGTOP PROPERTY		
Regional Map		
<i>TANANA EXPLORATION</i>		
<i>Steve Traynor, Geologist</i>		
SCALE: 1 : 250,000	FILE: 243_2	DATE: 97.12.08
NTS: 105 C	DRAWN: 	FIGURE 2

590,000m E



UTM 6,750,000m N

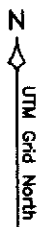
6,750,000m N

UTM 590,000m E



LEGEND

- elevation contour interval, (100 metres) 3500
- stream, creek
- road, trail
- claim group boundary
- claim line



15053 YUKON INC.		
BIGTOP PROPERTY		
Claim Map		
TANANA EXPLORATION		
<i>Steve Traynor, Geologist</i>		
SCALE: 1 : 70,000	FILE: 249_3A	DATE: 99.01.17
NTS: 105 C/14	DRAWN:	FIGURE 3

TABLE 1 - continued
Claim Data

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
BIGTOP 1 - 30	YB67268 – YB67297	March 31, 2005
BIGTOP 31 - 58	YB97721 – YB97748	March 31, 2005
BIGTOP 59 - 64	YC08075 – YC08080	March 31, 2005
BIGTOP 65 - 76	YC08270 – YC08281	March 31, 2005*
KRUSTY 1 - 16	YC08282 – YC08297	March 31, 2005
RUSTY 1 - 12	YC08258 – YC08269	March 31, 2003

*Upon filing and acceptance of this report.

REGIONAL AND PROPERTY GEOLOGY

Physiographically the property lies in an area of the northern Cordillera known as the Yukon Plateau. Subdued, often rounded mountains becoming broadly rolling, open valleys predominate much of the area.

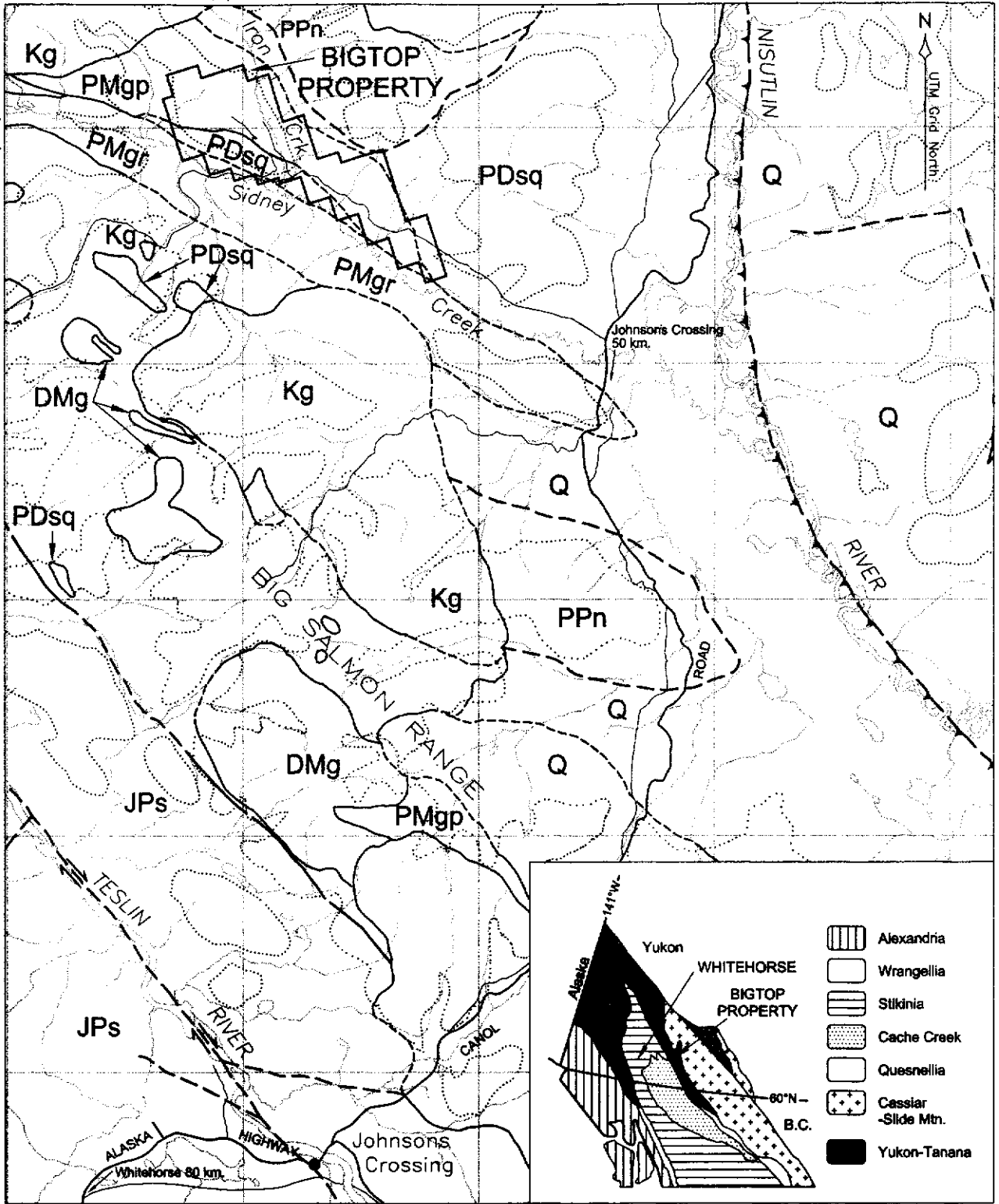
Extensively glaciated during the McConnel glaciation, the area was probably covered by a major ice stream flowing northwest, that resulted from a bifurcation of the Cassiar Lobe of the Cordilleran Ice Sheet. Much of the area is covered by fluvio-glacial, lacustrine and recent alluvial deposits. Outcrop is present at less than 1% and is restricted to the main ridges and the lower reaches of some of the creek valleys, particularly Iron Creek.

A wide west-northwest trending band consisting of intermediate to mafic volcanic rocks overlying various felsic volcanic lithologies associated with thinly laminated terrigenous clastic rocks and minor recrystallized limestone underlies the Sidney Creek valley. The volcano-sedimentary sequence, upper Proterozoic to Mississippian in age, is part of the broad Yukon-Tanana terrane which lies northeast of the complex Teslin Structural zone (see Figure 4). The sedimentary portion of the package is a fine grained, thinly laminated to massive textured, often carbonaceous pyritic argillite that weathers to dark rusty brown gossan. It is interlayered with felsic volcanic, fragmental and tuffaceous units that petrographic analysis has shown to be dacitic in composition with deposition in a shallow marine environment. Weathering to form bright orange gossans, they often produce distinctive limonitic colorations in the overlying soils. Petrographic analysis also suggests that some of the felsic rocks are porphyritic in nature, although strong, widespread deformation fabrics have obscured these textures in the

590,000m E

UTM 6,750,000m N

6,750,000m N



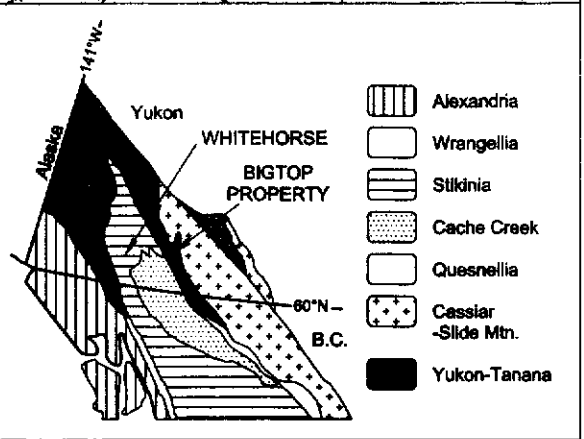
UTM 590,000m E

GEOLOGICAL LEGEND

- Q** Glacial and alluvial deposits
- Kg** Quartz monzodiorite
- Jps** Laberge group metasediments
- PMgr** Greenstone
- DMg** Quartz diorite
- PMgp** Carbonaceous metasediments
- PDsq** Felsic metavolcanics
- PPn** Quartz rich schist to gneiss

SYMBOLS & PHYSICAL FEATURES

- Geological contact (known, approximate)
- Fault (known, approximate)
- Limit of outcrop
- Stream, creek
- 4-wheel drive road
- Claim group boundary



15053 YUKON INC.

**BIGTOP PROPERTY
Regional Geology**

TANANA EXPLORATION

Steve Traynor, Geologist

SCALE: 1 : 250,000	FILE: 243_4	DATE: 97.12.08
NTS: 105 C/14	DRAWN:	FIGURE 4

field.

Occurrences of recrystallized limestone, present as pure white marble has been noted previously in the Iron Creek canyon. This unit overlies the volcano-sedimentary units present in the area and likely represents a quiescent period in the geological evolution of the area. Until recently the only occurrences found were of limited dimensions and extent. Drilling this past season revealed a thick (50 feet or more) succession of marble south of the baseline in DDH-BT3. Logging of the hole (see Appendix A) revealed that the marble was directly overlying tuffaceous felsic rock (with at times a minor terrigenous component) and seems to suggest that this area may lie outside of an inferred basin or rift in which carbonaceous argillites found elsewhere on the property have accumulated.

North and south of the Sidney Creek area large bodies of Cretaceous granite intrude the layered rocks, subvolcanic rocks in the form of diorite and quartz-feldspar porphyry sills and dykes are present locally and may be important in the generation of the VMS-related hydrothermal system that has been identified by recent field work in the area. A number of vertically discordant zones of silicified, variably sericitized and lesser chloritized rocks with quartz veining and abundant disseminated sulfide mineralization have been discovered on the property. The best developed of these (likely representing hydrothermal alteration pipes or concentration of hydrothermal fluids along synvolcanic faults) show strong depletions of Ca, Na and K, with the Na depletion often being laterally extensive.

The most recent regional mapping of the area, by Gordey and Stevens (1974) of the Canada-Yukon Geoscience program was carried out during the period from 1990-1993 and is reported in two GSC Open Files, numbered 2768 and 2886.

In the late Mesozoic, extensive thrust faulting along the Teslin zone caused regional ductile deformation forming tectonites. A later compressional episode caused deformation and folding and likely contributed to the steeply dipping foliation measured in the argillites and tuffaceous volcanoclastic rocks mapped along the main ridge of the property, which show dips of 55 to 65 degrees to the SW. Prospecting outside the gridded area in 1998 showed that locally the dips moderate quickly and are in the 25 to 35 degree to the SW range. On the front side of the Bigtop ridge more moderate dips can be measured just off the baseline in the 1150 W trench south of where it crosses the access road and across Iron Creek to the north the stratigraphy becomes quite flat lying often showing gentle NE dips of few degrees. Prospecting

in 1999 revealed the presence of flat lying massive felsic rock in the bed of Iron Creek which was later confirmed during stratigraphic drilling. This flat lying nature of the lowest levels of the stratigraphy was also noted in the Top Creek area in the NW corner of the property block during prospecting and hand trenching in this area and as well drilling at DDH-BT3 showed that the tuffaceous rocks intersected in this area were bedded at 15-20 degrees from horizontal. The implications of this are that the lowest levels of the stratigraphy reveal a mappable paleotopographic surface.

PREVIOUS WORK AND EXPLORATION ACTIVITY

Exploration of the Teslin River-Quiet Lake district centers around placer prospecting and mining starting in the early 1900's and the discovery of porphyry molybdenum mineralization at Red Mountain in the mid 1960's. Placer activity started on Iron Creek and continued periodically with the busiest period from 1932-1936 when a flume was constructed along the west side of the Iron Creek valley. Overburden was removed by monitoring the thick glacial deposits overlying the pay gravels. About 20 men were employed at the operation in 1934 and 75,000 cubic yards of gravel was processed. Mining ceased in 1936 due to uneconomical ground conditions. Placer prospecting and mining was again active in the late 1980's with no records of gold production. Placer claims and leases currently cover the lower 10km of Iron Creek.

In the mid 1970's the area just south of Red Mountain was explored for Pb-Zn mineralization with the resultant discovery of disseminated sulfide mineralization in one of three holes drilled into a package of metamorphosed schists and shales. Ongoing work by the same company in the surrounding area eventually led to the discovery of the Red Mountain Cu-Mo porphyry deposit, which extensive drilling has shown to contain subeconomic grades of mineralization. Since this time surprisingly little attention has been focused on the area despite its accessibility.

The confluence of Sidney and Iron Creeks was first staked as mineral claims in 1967 by Mt. Grant Mines Ltd. who pushed several bulldozer trenches on a reported silver occurrence (Minfile 105C 021). It was restaked in 1981 by McCroy Holdings, in 1988 by T. Morgan and in 1989 by R. Hamel. Only sketchy reports of this work are available, although one assay of 130.3 g/t Ag and less than 0.3 g/t Au is recorded.

In the summer of 1996 an exploration crew under the direction of the author conducted a reconnaissance program in the Sidney Creek area directed at finding potential massive sulfide bearing rocks of the Yukon-Tanana terrane. A pyritic argillite unit striking 310° was discovered along Iron Creek

and was traced west along a ridge for over a kilometer. Felsic volcanic rocks were found to be interbedded in the metasediments. Initial rock samples returned favourable values in copper, zinc and silver. Claim staking followed by grid development and a soil geochemical survey in August 1996 identified three Pb-Zn-Ag-(Cu) anomalies along the lower part of the southeast-northwest trending ridge.

In the spring of 1997 an investors syndicate was formed to fund exploration on the Bigtop and claim title was transferred to 15053 Yukon Inc. Aerodat Ltd. was contracted to fly an airborne geophysical survey of 550 line kilometers in May 1997. Strong electromagnetic responses were outlined associated with the carbonaceous argillite units. The positive airborne geophysical results precipitated further ground acquisition, grid expansion and additional soil geochemistry.

To facilitate geological mapping a series of backhoe trenches were excavated over a 1,500 meter distance along the ridge featuring the anomalous trend. The units exposed were mainly shales and silicified argillites with interbedded felsic rocks, meta-dacite and tuffaceous equivalents. Sulfide mineralization discovered to date is generally finely disseminated and consists of pyrite, pyrrhotite, sphalerite, galena, chalcopyrite, covellite and magnetite. In the better mineralized horizons pyrite concentrations reach 20% and the host rocks are variably silicified, sericitized and occasionally chloritized.

Rock and soil geochemical data from 1996-1997 outlined a number of areas of interest which are coincidental with electromagnetic conductors and somewhat coincidental with magnetic highs. Zinc is the most responsive element in soils, reaching a peak of 3,361 ppm, the maximum for lead was 669 ppm and copper and silver reached peak values of 351 ppm and 8.9 ppm respectively. Similarly, rock sampling in 1996, 1997 and 1998 has returned peak values of 7656ppm Zn, 826ppm Pb, 649ppm Cu, 7100ppm Ba, 783ppb Hg, 5g/t Ag and traces of Au.

To date 5.0 km of baseline and 25 km of flagged crossline has been established on the property, 475 soil samples and 312 rock samples have been collected (365 and 226 of which, respectively been submitted for analysis), geological mapping and over 2000 meters of trenching on the gridded area has been completed since the first claims were staked in 1996.

DESCRIPTION AND SUMMARY OF WORK

A total of 149 man days were spent this past season further exploring the Bigtop property and a

program consisting of prospecting , hand trenching, sampling and stratigraphic drilling was carried out between July 21 and September 11, 1999.

Work in the Iron Creek valley and in the Top Creek area lead to a number of important discoveries which shed new light on the stratigraphic framework of the area and may be important in determining which areas will host massive sulfide mineralization.

Approximately 25 meters of hand trenching was completed during the prospecting and sampling of the Top Creek felsic zone. Another 5 meters was completed during sampling and drill site preparation in the Iron Creek valley. A total of twelve mineralized samples were collected from occurrences of massive felsic rock prospected in these areas, of which half (six) were submitted for analysis.

A total of 240 feet of core drilling was completed in three holes using a Winkie drill. Holes DDH - BT1 and DDH-BT2 were completed in the Iron Creek valley and targeted anomalous base metal responses detected in the bedrock in the area. These two holes and the third (DDH-BT3), drilled south of the lower baseline, were also undertaken to provide stratigraphic information critical to the future development of this property.

A limited amount of geophysical ground truthing, using an EM-16, was carried out to assist in the spotting of drill hole DDH-BT3.

ANALYSIS AND RESULTS

Analysis of three (3) of the 10 samples collected during work on the Top Creek felsic zone revealed strongly elevated base metal values from material excavated in the vicinity of 3648W/495N. Similar elevated values were detected in 1998 sampling around 3785W/978N from the same felsic zone, indicating the wide extent of this zone of interest that exists in this underexplored area of the property. Minor disseminated sulfide mineralization was detected in Hole DDH-BT1 and Hole DDH-BT 2, but it differed so little from similar mineralization sampled and analysed from surface that no core was submitted for analysis. Sample 99R216 taken from where DDH-BT2 was started returned moderately anomalous base metal response from material similar to that recovered in core. Extremely difficult drilling conditions on this hole forced it to be shut down at only 22 feet, but core recovered to this point had already revealed that the thickness of this massive felsic unit (and by inference the thickness of other massive felsic rock in the area) is much greater than previous investigations at higher stratigraphic levels had indicated.

CONCLUSIONS AND RECOMMENDATIONS

The geology of the property has been shown to be correlative with similar stratigraphy hosting volcanogenic massive sulfide (VMS) deposits in the Finlayson Allocthon of the Yukon and the Delta district of Alaska. These deposits are classified as volcano-sedimentary associated Zn-Pb-Cu deposits and typically contain an average of 5.6 million tonnes grading 3.6% Zn, 1.46% Pb, 1.23% Cu, 2g/t Au and 79g/t Ag.

Sampling and recent prospecting on the property has shown that abundant disseminated sulfide mineralization occurs in sedimentary rock above the contact with felsic metavolcanic rock (Top Creek zone) that is favourably mineralized with copper, lead, zinc and silver. The most probable location for the deposition of the the type of VMS mineralization targeted on the Bigtop, is above a felsic volcanic centre, particularly above the contact with felsic metavolcanic rock.

The characteristics of the accumulated geotechnical data from the property are highly indicative of an environment capable of hosting a Zn-Pb-Cu VMS deposit of the type and size described above.

The work completed during the course of these investigations has been instrumental in providing important clues to the nature and character of the lower stratigraphic levels of the property geology and will form the basis for a reinterpretation of the existing data and the development of a geological model that will guide further work on the property.

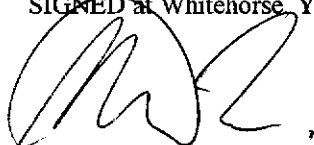
Further work is definitely recommended on the Bigtop and should be focused specifically in the Top Creek area. Independant interpretation (Power, 1998) of the airborne geophysical data from this area previously revealed ten significant EM anomalies in a stratigraphic position suggestive of VMS mineralization. Grid development, followed by geochemical soil sampling and more detailed prospecting and sampling of hand trenches should be carried out in conjunction with ground geophysical investigation aimed at identifying additional stratigraphic drill sites targeting the most favourable EM signatures at the contact between the volcanics and the overlying sediments in this area. This work should be commenced as soon as resources permit.

GEOLOGISTS'S CERTIFICATE

I, Steve Traynor, of 214 Alsek Road, Whitehorse , in the Territory of the Yukon,
DO HEREBY CERTIFY:

1. THAT I am a Geologist practising my profession in Whitehorse, Yukon.
2. THAT I am a graduate of Queen's University (1982), Kingston, Ontario with a B.Sc. (Honours) degree in Geology.
3. THAT I have been engaged in mineral exploration for fourteen years in the Yukon, British Columbia, Manitoba, Ontario and Quebec.
4. THAT this report is based on work that I completed and/or supervised during the period from July 21 to September 11, 1999 on the Bigtop Property.

SIGNED at Whitehorse, Yukon Territory, this 30 day of March, 2000.



Steve Traynor, B.Sc.

REFERENCES

- DIAND, 1993: Yukon Minfile, Exploration and Geological Services Division, Whitehorse, Indian and Northern Affairs, Canada.
- Davidson, G. and Traynor, S., 1997: Evaluation Report on the Bigtop Property; Private Company report for 15053 Yukon Inc.
- Galley, Alan G., 1995: Target vectoring using lithogeochemistry: Applications to the exploration for volcanic-hosted massive sulfide deposits; in CIM Bulletin, Volume 88, No. 990, p. 15-27.
- Gordey, S.P. and Stevens, R. A., 1994: Preliminary interpretation of bedrock geology of the Teslin area (105C), southern Yukon; Geological Survey of Canada Open File 2886.
- Govett, G.J.S. and Nichol, Ian, 1979: Lithogeochemistry in Mineral Exploration; in Geophysics and Geochemistry in the Search of Metallic Ores; Peter J. Hood, editor; Geological Survey of Canada, Economic Geology Report 31, p. 339-362.
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- Power, M.A., 1998: Interpretation of a Helicopter Electromagnetic Survey of the Bigtop Property, Teslin Area, Yukon Territory; Private Company report for 15053 Yukon Inc.
- Thurlow, J.G., Swanson, E.A. and Strong, D.F., 1975: Geology and Lithogeochemistry of the Buchans Polymetallic Sulfide Deposits, Newfoundland; in Economic Geology, Vol. 70, p. 130-144.
- Traynor, S., 1997: Geochemical Survey and Helicopter-Borne Geophysical Survey on the Bozo 1-24 and Bigtop 1-30 claims; Private Company Report for 15053 Yukon Inc.
- Traynor, S., 1998: Geology and Lithogeochemistry of the Bigtop Property; Private Company report for 15053 Yukon Inc.

STATEMENT OF EXPENDITURES

CANADA -- In the matter of prospecting and sampling carried out as assessment work filed on the Bigtop 65 to 76 quartz mineral claims.

I, Steve Traynor a geologist working in Whitehorse, Yukon do solemnly declare that a program consisting of geology, prospecting, and diamond drilling was carried out on the Bigtop 28, 50, 52 and Bozo 5 and 6 quartz mineral claims during the period from July 21 to September 11, 1999.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results.

Geology and supervision:

S. Traynor, Geologist,	20 days @ \$ 250.00	\$ 5,000.00
	2 days @ \$ 150.00	300.00
	2 days @ \$100.00	200.00
	GST	385.00

Prospecting, surveying and sampling:

Wade Carrell, Prospector,	37 days @ \$200.00	7,400.00
	10 days @ \$150.00	1,500.00
	4 days @ \$100.00	400.00
Morgan Carrell, Assistant,	21½ days @ \$100.00	2,150.00
	2 days @ \$50.00	100.00
	GST	808.50

Drilling

E. Stehelin, Operator	24 days @ \$150.00	3,600.00
	4 days @ \$100.00	400.00
Morgan Carrell, Helper	18 days @ \$100.00	1,800.00
	2 days @ \$50.00	100.00
	GST	133.00

Camp, Supplies and support: 149 man days @ \$60.00 8,940.00

Equipment Rental: 4 x 4 Quad ATV's 750.00
Winkie drill and pumps 750.00
GST 105.00

Transportation: 4,356 km @ \$0.42/km 1,829.52

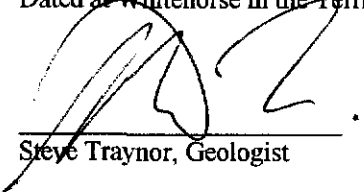
Assay and Analysis: Various analysis of samples and shipping costs 152.66

Report Preparation and Maps: 1,795.00

TOTAL COST **\$38,598.68**

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Dated at Whitehorse in the Territory of the Yukon this 31st day of March, 2000.


Steve Traynor, Geologist

APPENDIX A
DRILL LOGS

TANANA EXPLORATION - Diamond Drill Log

Property Bigtop Location 105C1A Core Size EX Started Aug. 7/99 Completed Aug. 11/99 Hole No. BT 1
 Northing 360N Westing 040E Elevation(ground) 900m Bearing N42°E Depth 950ft Dip(collar) 63°
 Purpose Test stratigraphy in area of anomalous argillite Logged by SDT

Footage		Minor		Rec	Lithology	Alteration: w-weak, m-moderate, s-strong						Mineralization			
from	to	from	to			chl	sil	ser	biot					sph : cp : mag : py :	Occurrence
0	21.8				Greyish, black shaly 70% 75% argillite at times with minor carbonate and quartz.			w							
		9.5	10		Graphitic rich sections with minor mts. of biotite alteration.									Tr	Disseminated along foliation.
		14.7	16												
21.8	22.5				Very siliceous rich Section, possibly felsic mixed with argillite.										
22.5	25				Graphitic argillite with high carbonate component			m	m					Tr 10%	Pyrite and pyrrhotite as blebs and disseminations
25	27				Greyish brown fine grained tuff.			m	w						
27.5	28				Greyish siliceous felsic with small angular argillite fragments. Lapilli and bigger pieces in felsic as well as siliceous matrix.										
28	34.5				Grey shaly argillite mixed with carbonate.			m							
		28.5	31		Very graphitic										

Property Bigtop Location 105C14 TANANA EXPLORATION - Diamond Drill Log
 Northing 360N Westing 040E Core Size EX Started Aug. 7/99 Completed Aug. 11/99 Hole No. BT 1
 Elevation(ground) 900m Bearing N42°E Depth 95ft. Dip(collar) 63°
 Purpose _____ Logged by SDT

Footage		Minor		Rec	Lithology	Alteration: w-weak, m-moderate, s-strong						Mineralization			
from	to	from	to			chl	sil	ser	biot			sph	cp	mag	py
34.5	47.5				Greyish, white mix of siliceous felsic and tuff.		m							tr to 1%	Disseminated pyrite throughout
47.5	72.1				Carbonate rich argillite mixed with tuff at times graphitic. very contorted on small scale		m-s		w					1% to 2%	Disseminated pyrite, predominantly with argillite.
		50.3	51		Fine grained, greyish tuff rich sections.										
		57	58.8												
72.1	86.4				Yellowish, grey siliceous felsic with minor tuff rich section that contains varying amounts shaly argillite.	m	s							upto 2%	Disseminated pyrite throughout. But more abundant in tuff rich sections. May be influence of permeability.
86.4	95				Predominately grey-black argillite with carbonate mixed with up to 30% tuff									1%	Pyrite disseminated throughout.

TANANA EXPLORATION - Diamond Drill Log

Property Bigtop Location 105C 14 Core Size EX Started Aug 17/99 Completed Aug 20/99 Hole No. BT 2
 Northing 265 N Westing 120 E Elevation(ground) 890m Bearing N 76° E Depth 22 ft Dip(collar) 80°
 Purpose Test base metal enriched felsic unit. Logged by SDT

Footage		Minor		Rec	Lithology	Alteration: w-weak, m-moderate, s-strong						Mineralization				
from	to	from	to			chl	sil	ser					sph	cp	mag	py
0	22				Very quartz rich, siliceous felsic, with very minor tuff and carbonate. At times mostly massive.										3 to 5%	Disseminated throughout.
		2	2.5		Grey very siliceous with abundant pyrite.										10 to 15%	
		5	5.2												up to 20%	Pyrite semi-massive
		15	16.4		Strongly fractured and carbonate rich.											
		20	22		Rock broken and fracture almost perpendicular to core. Recovery down to 60% with frequently jammed bits.											

TANANA EXPLORATION - Diamond Drill Log

Property Bigtop Location 105C14 Core Size EX Started Sept. 1/99 Completed Sept. 8/99 Hole No. BT 3
 Northing 0805 Westing 430 W Elevation(ground) 990 m Bearing N/A Depth 123 ft. Dip(collar) 90°
 Purpose Investigate flat lying conductor at depth and obtain stratigraphic information Logged by SDT

Footage		Minor		Rec	Lithology	Alteration: w-weak, m-moderate, s-strong					Mineralization						
from	to	from	to			chl	sil	ser	biot					sph	cp	mag	py
0	25				Overburden - Silty clay rich with granite cobbles after 20 feet												
25	77			90 to 95%	Fine grained, white recrystallized marble from limestone.												
		34	37		Very fine grained, greyish color suggesting minor terrigenous component												
		59.8	61		Biotite-sericite schist and marble fragments that are subangular and may represent a high energy orogenic event.												
77	111.5				Light, purplish brown very fine grained bedded tuff. The rock is felsic in composition with abundant biotite giving it the distinctive color.		S									Tr	Disseminated in crosscutting macro fractures carrying drorite?
		89.8	90.3		These sections contained an increased terrigenous component, likely shale and are differentially altered with formation of chlorite												
		95.4	96														W
		101	103														

TANANA EXPLORATION - Diamond Drill Log

Property Bigtop Location 105C14 Core Size EX Started Sept. 1/99 Completed Sept. 8/99 Hole No. BT3
 Northing 0805 Westing 430 W Elevation(ground) 990 m Bearing _____ Depth 123 ft. Dip(collar) 90°
 Purpose _____ Logged by SDT

Footage		Minor		Rec	Lithology	Alteration: w-weak, m-moderate, s-strong						Mineralization				Occurrence	
from	to	from	to			chl	sil	ser	biot					sph	cp		mag
111.5	112.1				Massive siliceous greyish white felsic.		S	W	W								
112.1	114				Purplish tuff as before. Thinly bedded and dipping 18°, probably to the SW.				W-m								
114	115.2				Massive siliceous greyish white felsic with minor tuff.												
115.2	123				Mixed tuff and siliceous felsic. The quartz rich felsic appears to be composed of lapilli and larger fragments that make up 50% of the rock. Where observed the two appear across a gradational contact.		NS	W	M					Tr-1%			Disseminated, mostly within tuff.

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

APPENDIX C
CERTIFICATES
OF
ANALYSIS



Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

15053 YUKON INC.
MR. STEVE TRAYNOR
P.O. BOX 4375
WHITEHORSE, YUKON
Y1A 3T5

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Intertek Testing Services

Bondar Clegg

Geochemical Lab Report

REPORT: V99-00957.0 (COMPLETE)

REFERENCE:

CLIENT: 15053 YUKON INC.

SUBMITTED BY: S. TRAYNOR

PROJECT: BIGTOP

DATE RECEIVED: 24-AUG-99 DATE PRINTED: 27-AUG-99

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
990826	1 Au30 Gold	3	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	990826	37 Mo Molybdenum	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990826	2 Au Wt1 Test Weight	3	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA						
990826	3 Ag Silver	3	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	4 Cu Copper	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	5 Pb Lead	3	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	6 Zn Zinc	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	7 Ni Nickel	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	8 Co Cobalt	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	9 Cd Cadmium	3	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	10 Bi Bismuth	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	11 As Arsenic	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	12 Sb Antimony	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	13 Hg Mercury	3	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA						
990826	14 Fe Iron	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	15 Mn Manganese	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	16 Te Tellurium	3	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	17 Ba Barium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	18 Cr Chromium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	19 V Vanadium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	20 Sn Tin	3	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	21 W Tungsten	3	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	22 La Lanthanum	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	23 Al Aluminum	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	24 Mg Magnesium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	25 Ca Calcium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	26 Na Sodium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	27 K Potassium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	28 Sr Strontium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	29 Y Yttrium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	30 Ga Gallium	3	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	31 Li Lithium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	32 Nb Niobium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	33 Sc Scandium	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	34 Ta Tantalum	3	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	35 Ti Titanium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990826	36 Zr Zirconium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	3	2 -150	3	CRUSH/SPLIT & PULV.	3

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Intertek Testing Services

Bondar Clegg

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SAMPLE NUMBER	ELEMENT	Au30 UNITS	Au Wt1 PPB	Ag GM	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	Mo PPM
99R211		6	32.48	0.4	4	36	9	6	3	<0.2	<5	5	<5	0.038	0.72	62	<10	53	198	146	<20	<20	7	0.21	0.12	0.16	0.05	0.07	16	10	<2	2	16	<5	<10	0.10	4	18
99R216		<5	15.31	<.2	85	62	282	101	7	4.9	<5	9	<5	0.022	3.64	111	<10	21	241	134	<20	<20	8	0.46	0.48	0.69	0.08	0.02	33	39	<2	5	14	<5	<10	0.06	5	16
99R217		6	15.82	1.0	100	147	1248	252	14	22.2	<5	<5	<5	0.061	5.90	93	<10	51	222	182	<20	<20	3	0.32	0.26	0.13	0.04	0.07	22	21	<2	3	19	<5	<10	0.04	7	57



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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Au Wt1 GM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	Mo PPM	
STD GEOCHEM STD 6	-	-	<.2	135	17	127	124	29	0.4	<5	131	<5	0.031	7.03	1350	<10	8	174	43	<20	<20	3	1.73	2.46	3.56	0.02	0.05	77	3	6	21	3	7	<10	<.01	7	2		
Number of Analyses	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	-	0.1	135	17	127	124	29	0.4	3	131	3	0.031	7.03	1350	5	8	174	43	10	10	3	1.73	2.46	3.56	0.02	0.05	77	3	6	21	3	7	5	<.01	7	2		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value	-	-	0.2	148	20	148	135	35	0.2	1	145	1	0.028	7.20	1450	<1	6	251	50	5	12	-	1.80	2.70	4.00	0.01	0.04	70	3	-	24	2	6	1	<.01	5	4		
ANALYTICAL BLANK	<5	-	<.2	<1	<2	<1	<1	<1	<0.2	<5	<5	<5	<.010	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1	<1		
Number of Analyses	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value	3	-	0.1	<1	1	<1	<1	<1	0.1	3	3	3	0.005	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	<.01	<1	<1		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value	5	<0.01	0.2	1	2	1	1	1	0.1	2	5	5	0.005	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	
Oxide (Feldspar & Quartz)	463	31.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mean Value	463	31.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accepted Value	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			



Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

15053 YUKON INC.
MR. STEVE TRAYNOR
P.O. BOX 4375
WHITEHORSE, YUKON
Y1A 3T5

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Intertek Testing Services

Bondar Clegg

Geochemical Lab Report

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SUBMITTED BY: S. TRAYNOR

PROJECT: BIGTOP

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990831	1 Au30 Gold	2	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
990831	2 Ag Silver	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	3 Cu Copper	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	4 Pb Lead	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	5 Zn Zinc	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	6 Ni Nickel	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	7 Co Cobalt	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	8 Cd Cadmium	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	9 Bi Bismuth	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	10 As Arsenic	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	11 Sb Antimony	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	12 Hg Mercury	2	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
990831	13 Fe Iron	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	14 Mn Manganese	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	15 Te Tellurium	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	16 Ba Barium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	17 Cr Chromium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	18 V Vanadium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	19 Sn Tin	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	20 W Tungsten	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	21 La Lanthanum	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	22 Al Aluminum	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	23 Mg Magnesium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	24 Ca Calcium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	25 Na Sodium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	26 K Potassium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	27 Sr Strontium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	28 Y Yttrium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	29 Ga Gallium	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	30 Li Lithium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	31 Nb Niobium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	32 Sc Scandium	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	33 Ta Tantalum	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	34 Ti Titanium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	35 Zr Zirconium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990831	36 Mo Molybdenum	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	2	2 -150	2	CRUSH/SPLIT & PULV.	2

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SAMPLE NUMBER	ELEMENT UNITS	Au	30	Ag	Cu	Pb	Zn	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	Mo
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	
99R218		<5	0.4	70	47	451	81	12	15.1	<5	<5	<5	0.041	1.64	100	<10	115	270	233	<20	<20	8	0.45	0.43	0.12	0.08	0.12	19	10	<2	3	18	<5	<10	0.13	9	18	
99R219		<5	0.4	56	18	15	11	1	0.3	<5	<5	<5	<0.010	0.81	31	<10	34	269	42	<20	<20	3	0.07	0.03	0.04	0.05	0.03	14	4	<2	<1	3	<5	<10	0.05	2	3	



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STANDARD NAME	ELEMENT UNITS	Au30	Ag	Cu	Pb	Zn	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	Mo	
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<0.2	<5	<5	<5	<.010	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1	<1	
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		3	0.1	<1	1	<1	<1	0.1	3	3	3	0.005	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	3	5	<.01	<1	<1	<1	<1	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	0.1	2	5	5	0.005	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1
Oxide (Feldspar & Number of Analyses	2781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	2781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	2940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET STREAM-SED 4		-	<.2	66	11	74	23	10	0.4	<5	11	<5	0.874	2.89	1267	<10	1024	29	50	<20	<20	14	1.25	0.74	1.28	0.05	0.11	68	11	3	9	4	<5	<10	0.08	<1	1	
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	66	11	74	23	10	0.4	3	11	3	0.874	2.89	1267	5	1024	29	50	10	10	14	1.25	0.74	1.28	0.05	0.11	68	11	3	9	4	3	5	0.08	<1	1	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	23	11	0.6	-	11	4	0.930	2.60	1200	-	-	30	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	



Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report



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15053 YUKON INC.
MR. STEVE TRAYNOR
P.O. BOX 4375
WHITEHORSE, YUKON
Y1A 3T5



Intertek Testing Services

Bondar Clegg

Geochemical Lab Report

REPORT: V99-01074.0 (COMPLETE)

REFERENCE:

CLIENT: 15053 YUKON INC.

SUBMITTED BY: S. TRAYNOR

PROJECT: BIGTOP

DATE RECEIVED: 16-SEP-99 DATE PRINTED: 20-SEP-99

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
990917	1 Au30 Gold	1	5 PPB	Fire Assay of 30g	30g Fire Assay - AA	R ROCK	1	2 -150	1	TOTAL SAMPLE PREP	1
990917	2 Ag Silver	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	REPORT COPIES TO: MR. STEVE TRAYNOR					
990917	3 Cu Copper	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	INVOICE TO: MR. STEVE TRAYNOR					
990917	4 Pb Lead	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	*****					
990917	5 Zn Zinc	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated					
990917	6 Ni Nickel	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	*****					
990917	7 Co Cobalt	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	8 Cd Cadmium	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	9 Bi Bismuth	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	10 As Arsenic	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	11 Sb Antimony	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	12 Hg Mercury	1	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA						
990917	13 Fe Iron	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	14 Mn Manganese	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	15 Te Tellurium	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	16 Ba Barium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	17 Cr Chromium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	18 V Vanadium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	19 Sn Tin	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	20 W Tungsten	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	21 La Lanthanum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	22 Al Aluminum	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	23 Mg Magnesium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	24 Ca Calcium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	25 Na Sodium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	26 K Potassium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	27 Sr Strontium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	28 Y Yttrium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	29 Ga Gallium	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	30 Li Lithium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	31 Nb Niobium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	32 Sc Scandium	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	33 Ta Tantalum	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	34 Ti Titanium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	35 Zr Zirconium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						
990917	36 Mo Molybdenum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA						



Intertek Testing Services

Bondar Clegg

Geochemical Lab Report

CLIENT: 15053 YUKON INC.

REPORT: V99-01074.0 (COMPLETE)

PROJECT: BIGTOP

DATE RECEIVED: 16-SEP-99

DATE PRINTED: 20-SEP-99

PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT	AU30	Ag	Cu	Pb	Zn	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	Mo
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM
99R222		8	1.2	187	144	1187	240	13	15.1	<5	10	<5	0.061	5.51	88	<10	22	384	302	<20	<20	5	0.41	0.29	0.24	0.04	0.10	25	38	<2	3	30	7	<10	0.05	10	58



Intertek Testing Services

Bondar Clegg

Geochemical Lab Report

CLIENT: 15053 YUKON INC.

REPORT: V99-01074.0 (COMPLETE)

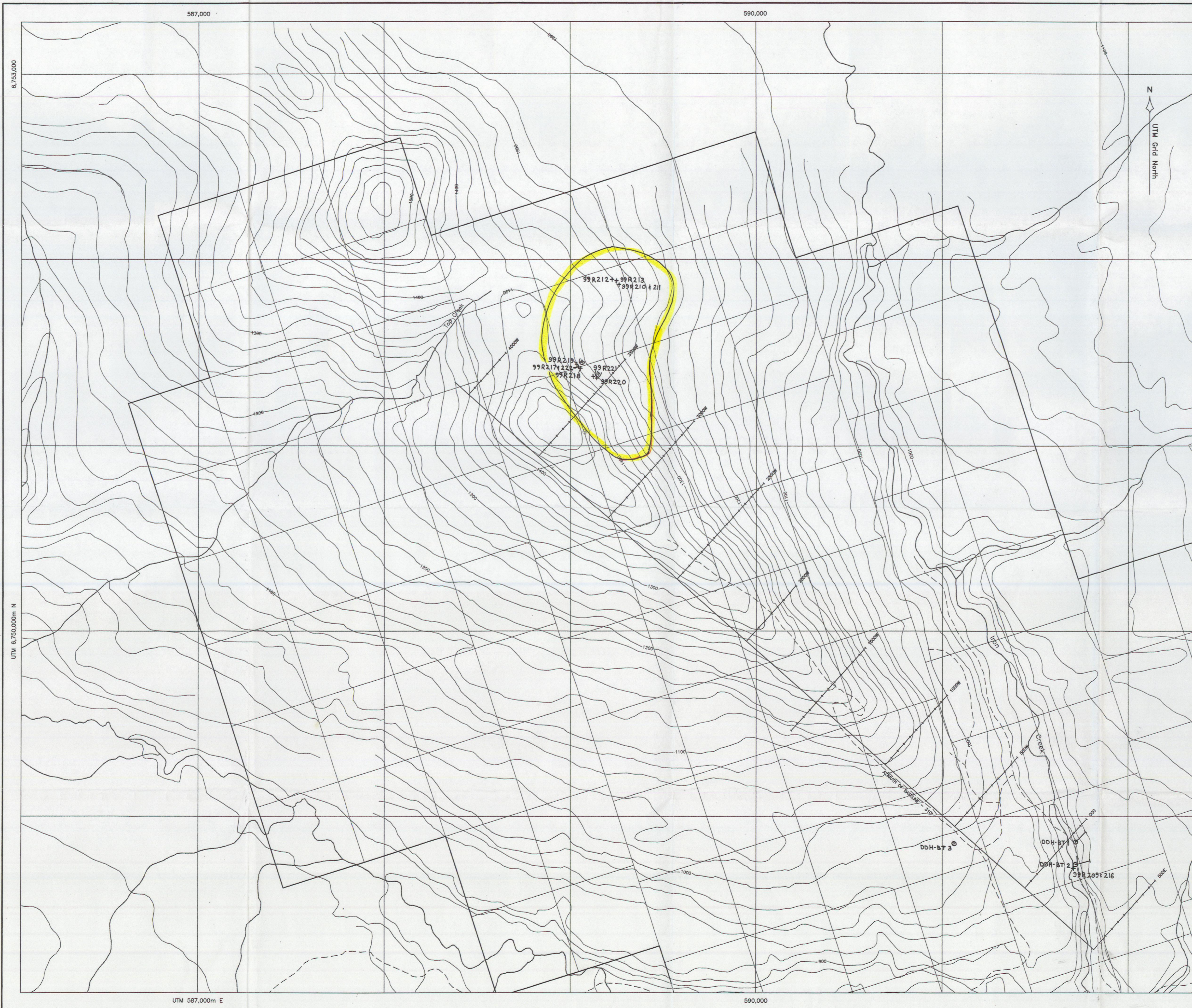
DATE RECEIVED: 16-SEP-99

DATE PRINTED: 20-SEP-99

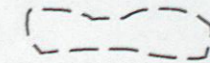
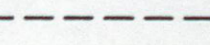

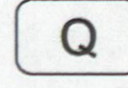
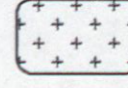
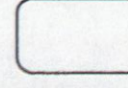
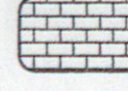
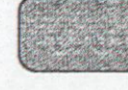

PAGE 2 OF 2

PROJECT: BIGTOP

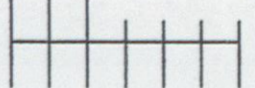
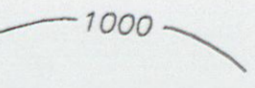
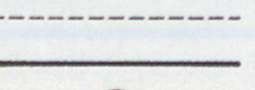
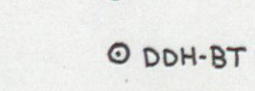

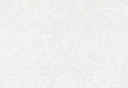
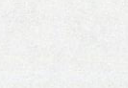

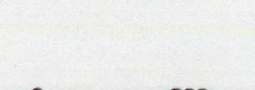
STANDARD NAME	ELEMENT UNITS	Au30	Ag	Cu	Pb	Zn	Ni	Co	Cd	Bi	As	Sb	Hg	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	Mo	
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<0.2	<5	<5	<5	<.010	<.01	1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1	<1	
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		3	0.1	<1	1	<1	<1	<1	0.1	3	3	3	0.005	<.01	1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	<.01	<1	<1	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		5	0.2	1	2	1	1	1	0.1	2	5	5	0.005	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	
Oxide (Feldspar & Quartz)		6398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		6398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		6600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANMET STREAM-SED 4		-	<.2	66	12	79	24	12	0.5	<5	13	<5	0.804	2.86	1313	<10	1168	30	53	<20	<20	15	1.36	0.79	1.36	0.05	0.12	77	12	<2	9	5	<5	<10	0.09	<1	1	
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value		-	0.1	66	12	79	24	12	0.5	3	13	3	0.804	2.86	1313	5	1168	30	53	10	10	15	1.36	0.79	1.36	0.05	0.12	77	12	1	9	5	3	5	0.09	<1	1	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	0.3	66	13	82	23	11	0.6	-	11	4	0.930	2.60	1200	-	-	30	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	

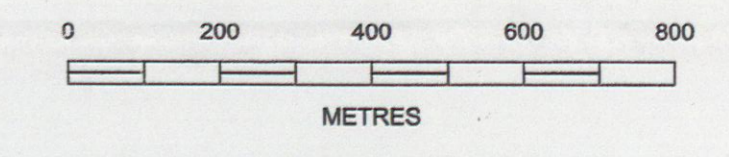


GEOLOGICAL LEGEND

-  Outcrop
-  Geological contact (approximate)
-  Quartz veining
-  unconsolidated glacial and glaciofluvial deposits and recent alluvial deposits
-  medium grained, metamorphosed quartz diorite
-  actinolite-chlorite quartzfeldspathic schist and greenstone
-  marble
-  black, fine grained carbonaceous argillites and shales, often with volcanoclastic component
-  meta-dacite and tuffaceous equivalents

SYMBOLS & PHYSICAL FEATURES

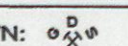
-  Survey grid
-  Elevation contour interval, (20 metres)
-  Stream, creek
-  4-wheel drive road
-  Claim group boundary
-  Camp location
-  Drill hole location
-  Rock sample location
-  Known limits of Top Creek Felsic Zone



15053 YUKON INC.

BIGTOP PROPERTY
Sample and Drill Hole Locations

TANANA EXPLORATION
Steve Traynor, Geologist

SCALE: 1 : 10,000 FILE: 249_0128 DATE: 2000.01.28
NTS: 105 C/14 DRAWN:  FIGURE 5