REPORT OF 1999 FIELD ACTIVITIES
FUNDED UNDER YMIP GRANT #99-030

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

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JANUARY 2000

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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)

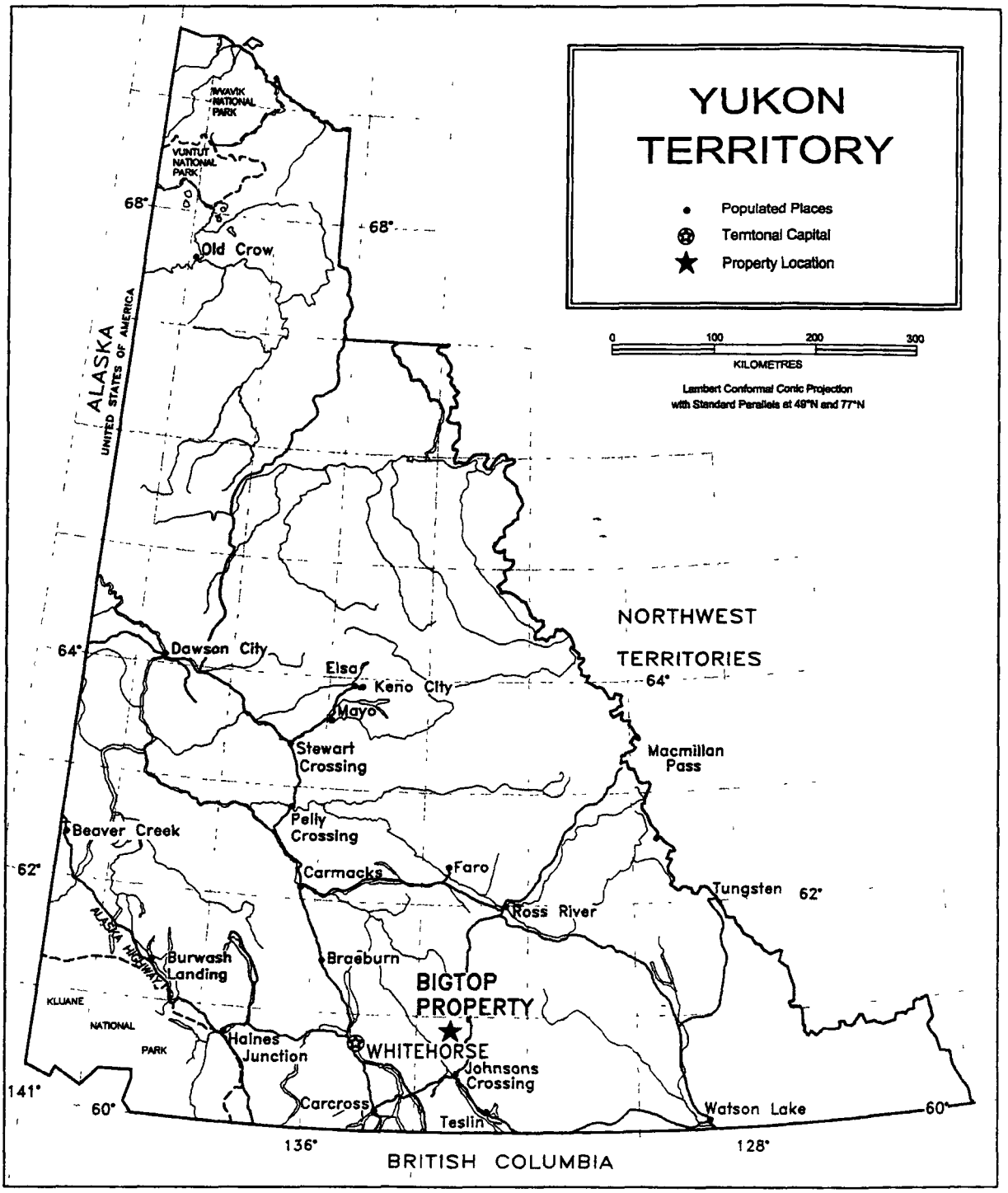
Access to the property is by bush road from Km. 50 on the south Canol Road. An all weather camp is located at 875 meters elevation on the bank of Iron Creek, 16 kilometers along the bush road from the south Canol Road. Several 4wheel drive roads and ATV trails provide good access to most areas of the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

PROPERTY DESCRIPTION

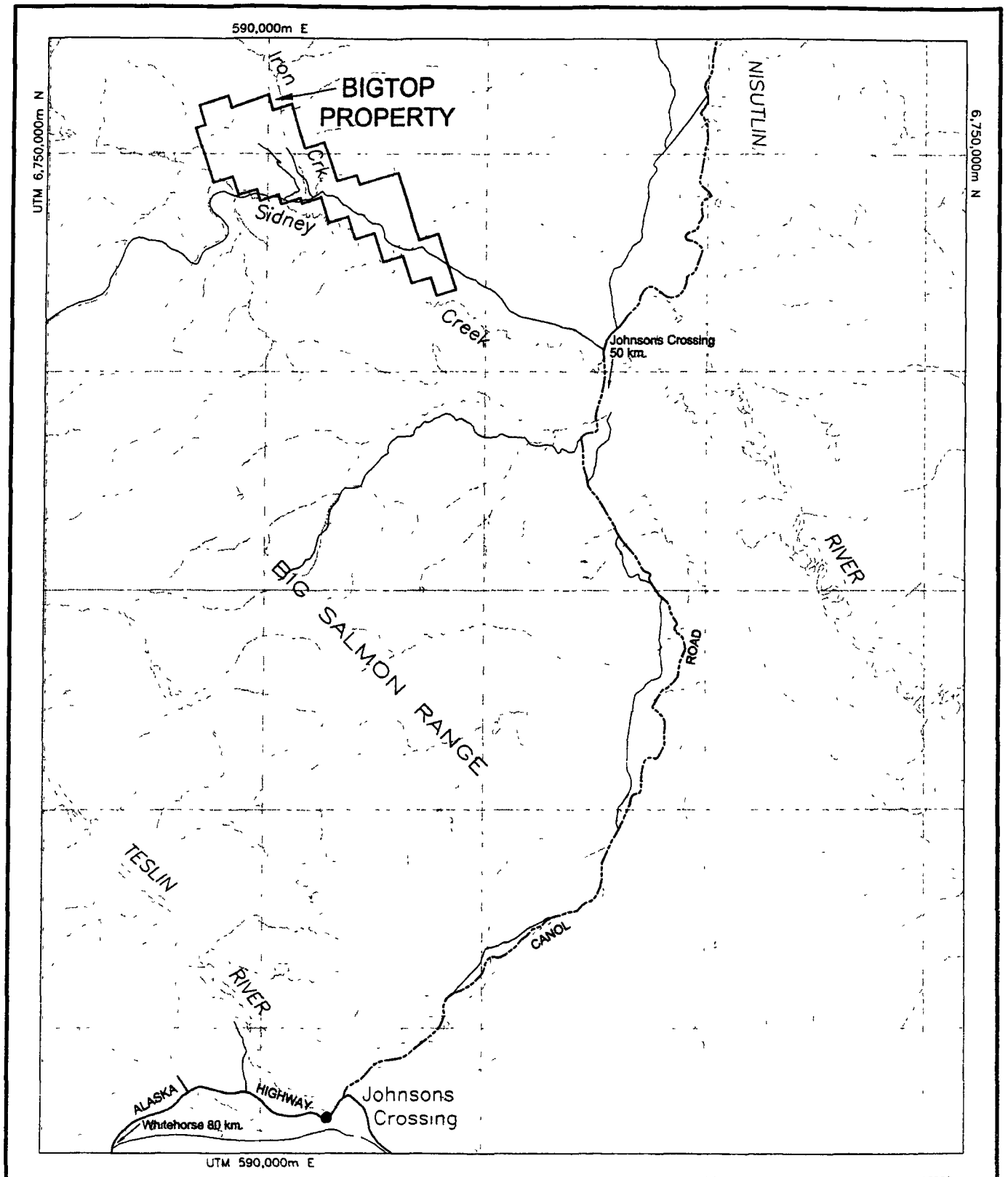
The Bigtop Property consists of 174 contiguous mineral claims, as shown in Figure 3 and listed in Table 1. The Bigtop 1-30 and Bozo 1-24 claims were staked in June 1996 and 120 additional claims were staked during the 1997 field season. The author has inspected many of the claim posts and lines, which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

TABLE 1
Claim Data

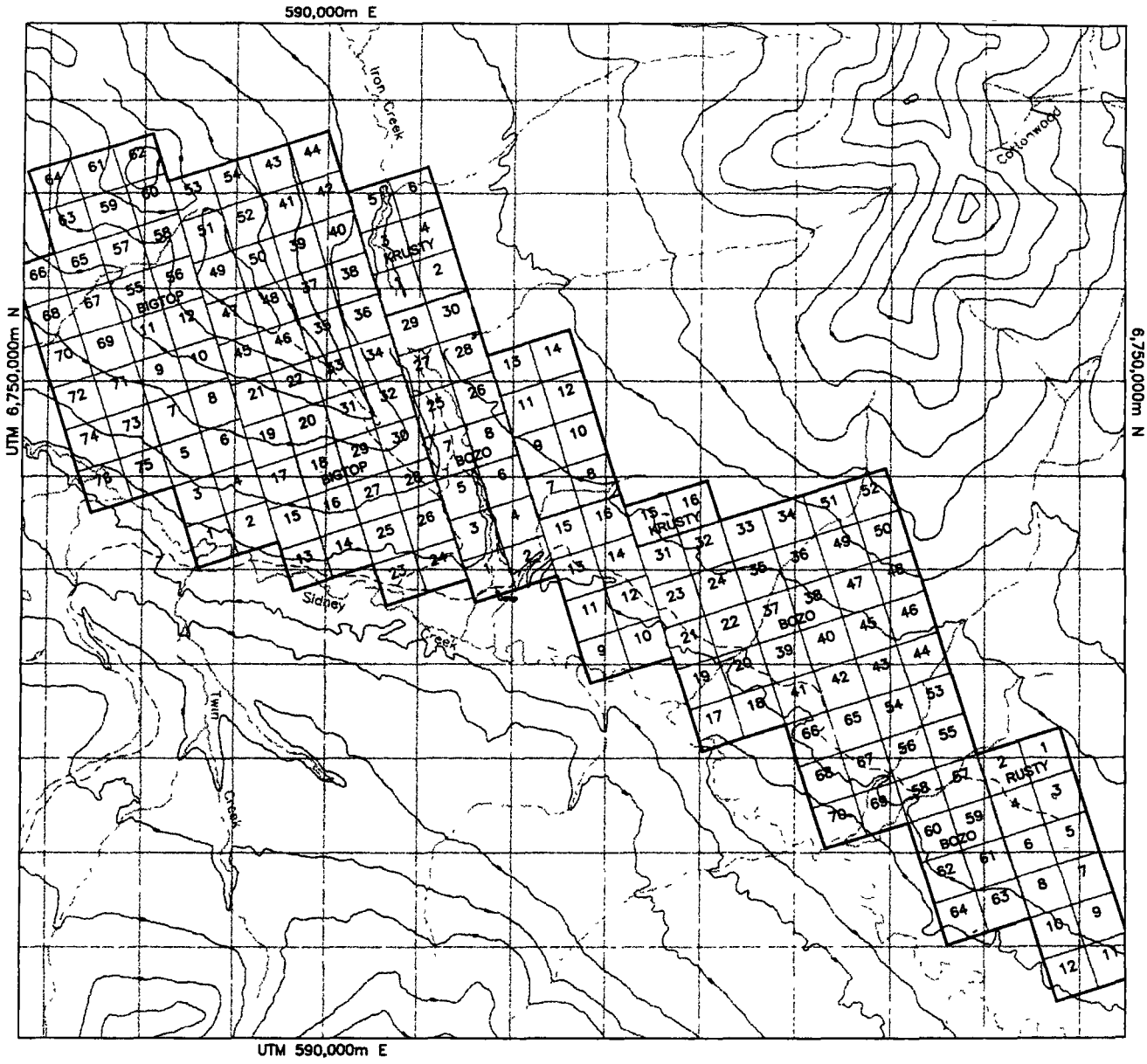
Claim Name	Grant Number	Expiry Date
BOZO 1 – 8	YB67080 – YB67087	March 31, 2005
BOZO 9 - 24	YB67298 – YB67313	March 31, 2005
BOZO 25 - 38	YB97749 – YB97762	March 31, 2005
BOZO 39 - 52	YB97845 – YB97858	March 31, 2005
BOZO 53 - 70	YC08057 – YC08074	March 31, 2005



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



15053 YUKON INC.		
BIGTOP PROPERTY Regional Map		
TANANA EXPLORATION		
Steve Traynor, Geologist		
SCALE 1 250,000	FILE 243_2	DATE 97 12 08
NTS 105 C	DRAWN	FIGURE 2



LEGEND

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

N
UTM Grid North

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

A

TABLE 1 - continued
Claim Data

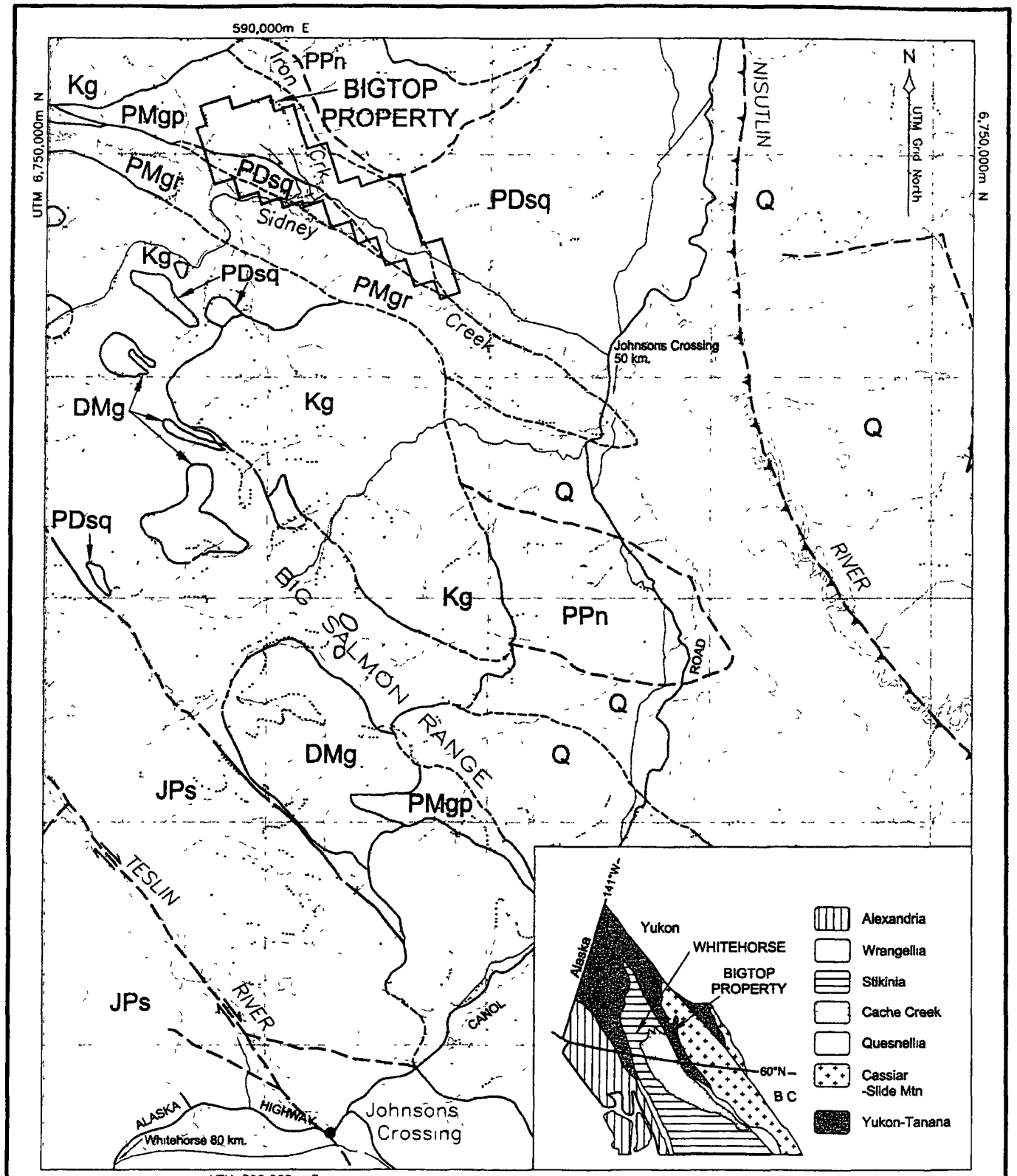
Claim Name	Grant Number	Expiry Date
BIGTOP 1 - 30	YB67268 – YB67297	March 31, 2005
BIGTOP 31 - 58	YB97721 – YB97748	March 31, 2005
BIGTOP 59 - 64	YC08075 – YC08080	March 31, 2005
BIGTOP 65 - 76	YC08270 – YC08281	March 31, 2003
KRUSTY 1 - 16	YC08282 – YC08297	March 31, 2005
RUSTY 1 - 12	YC08258 – YC08269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

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 in covered by fluvioglacial, 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, particularily 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 recrystalized 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 analsysis also suggests that some of the felsic rocks are porphyritic in nature, although strong, widespread deformation fabrics have obscured these textures in the field


590,000m E
UTM 6,750,000m N
6,750,000m N
UTM Grid North
N
Iron
PPn
Kg
BIGTOP
PROPERTY
PMgp
PMgr
PDsq
Crk
Sidney
Kg
PDsq
PMgr
Creek
PDsq
Q
NISUTLIN
Johnsons Crossing
50 km.
DMg
Kg
Q
Q
PDsq
Big
Kg
PPn
SALMON
RANGE
ROAD
RIVER
Q
DMg
Q
JPs
PMgp
TESLIN
JPs
RIVER
CANOL
ALASKA
HIGHWAY
Johnsons
Crossing
Whitehorse 80 km.
UTM 590,000m E
141°W
Yukon
Alaska
WHITEHORSE
BIGTOP
PROPERTY
60°N
B C
Alexandria
Wrangellia
Stikinia
Cache Creek
Quesnellia
Cassiar
-Slide Mtn
Yukon-Tanana
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, approx.)
Limit of outcrop
Stream, creek
4-wheel drive road
Claim group boundary
0 2000 4000 6000 8000 10000
METRES
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

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 terrigineous 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 electomagnetic reponses 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, covelite 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 outined 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. Similarily, 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 inferrence 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, particularily 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.

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APPENDIX A

DRILL LOGS

TANANA EXPLORATION – Diamond Drill Log

Property Bigtop Location 105C14 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 95 ft. Dip(collar) 63°
Purpose Test stratigraphy in area of anomalous argillite Logged by SDT

Footage		Minor				Alteration: w-weak, m-moderate, s-strong								Mineralization					
from	to	from	to	Rec	Lithology	chl	sil	ser	biot.					sph.	cp	mag	py.		Occurrence
0	21.8				Greyish, black shaly			W											
				70 to	argillite at times with		W-M		W										
				75%	minor carbonate and														
					quartz.														
		9.5	10		Graphitic rich sections														
					with minor amts. of												Tr		Disseminated along
		14.7	16		biotite alteration.														foliation.
21.8	22.5				Very siliceous rich														
					section, possibly felsic														
					mixed with argillite.														
22.5	25				Graphitic argillite with												Tr		Pyrite and
					high carbonate component		m	m									to 1%		pyrrhotite as blebs
																			and disseminations
25	27				Greyish brown fine		m		W										
					grained tuff.														
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.														

Hole No BT 1 | Page 1

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TANANA EXPLORATION – Diamond Drill Log

Property Bigtop Location 105C 14 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 95ft. Dip(collar) 63°
Purpose _____ Logged by SDT.

Footage from	Footage to	Minor from	Minor to	Rec	Lithology	Alteration: chl	sil	ser	biot					Mineralization: sph . cp : mag : py .	Occurrence
34.5	47.5				Greyish white mix of silicious felsic and tuff.		M	W-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, predominately 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 very tiny amounts shaly argillite.	M	S	M	m					up to 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 265N Westing 120E Elevation(ground) 890m Bearing N 76°E Depth 222 ft. Dip(collar) 80°
Purpose Test base metal enriched felsic unit. Logged by SDT

Footage from	Footage to	Minor from	Minor to	Rec	Lithology	Alteration: w-weak, m-moderate, s-strong chl	sil	ser	Mineralization sph · cp : mag . py :	Occurrence
0	22				Very quartz rich, siliceous					
				75 to 80%	felsitic, with very minor tuff and carbonate. Minor times mostly massive.		S	m	3 to 5%	Disseminated throughout.
		2	2.5		Grey very siliceous with abundant pyrite.				10 to 15%	
		5	5.2						up to 30%	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 123ft. Dip(collar) 90°
Purpose Investigate flat lying conductor at depth and obtain stratigraphic information Logged by SDT

Footage from	Footage to	Minor from	Minor to	Rec	Lithology	Alteration: w-weak, m-moderate, s-strong chl	sil	ser	biot					Mineralization sph : cp : mag : py :	Occurrence
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 erosional 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	m	m					Tr	Disseminated in crosscutting micro fractures carrying diorite?
		89.8	90.3		These sections contained an increased terrigeneous 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 0885 Westing 430W Elevation(ground) 990m Bearing ____ Depth 123ft. Dip(collar) 90°
Purpose ____ Logged by SDT

Footage from	Footage to	Minor from	Minor to	Rec	Lithology	Alteration w-weak, m-moderate, s-strong chl	sil	ser	biot					Mineralization sph	cp	mag	py		Occurrence
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.		M-S	W	M								Tr-1%		Disseminated, mostly within tuff.

Hole No. BT3 | Page 2

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE REPORT

SAMPLE NUMBER	SAMPLE PARTICULARS	SAMPLE DESCRIPTION	ANALYTICAL HIGHLIGHTS
99R209	120E/265N	Greyish siliceous rich felsic with minor disseminated sulfides, consisting mostly of pyrite	
99R210	~3785W/975N	Fine grained, banded quartz rich felsic showing minor biotite alteration. Iron stained.	
99R211	~3785W/975N	Quartz rich felsic, somewhat banded and showing minor greyish sulfides	Minor Pb numbers.
99R212	~3825W/978N	Float Fine grained foliated diorite.	
99R213	~3815W/978N	Dirty, schistose felsic showing sericite and chlorite alteration.	
99R216	120E/265N	Quartz rich felsic with abundant sulfides.	Moderately anomalous in base metals.
99R217	3648W/495N	Grey, quartz rich felsic. Very metal rich.	Highly anomalous base metal numbers
99R218	~3644W/497N	Greyish, white quartz rich felsic showing some carbonate and 3%sulfides, including pyrite and galena.	Moderately anomalous in base metals
99R219	~3668W/504N	Similar to 99R219, but more carbonate rich.	Slighlty anomalous base metal response
99R220	3558W/520N	Highly weathered and oxidized sample of brecciated (?) felsic with abundant sulfides.	Run as part of ongoing reinterpretation.
99R221	~3568W/515N	Bleached and altered massive felsic showing minor sericite alteration with abundant sulfides	Run as part of ongoing reinterpretation.
99R222	3648W/495N	Dark grey bedded (?) felsic with abundant sulfides	Highly anomalous base metal numbers

APPENDIX C

CERTIFICATES
OF
ANALYSIS

ITS Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

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

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

:EPORT: V99-00957.0 (COMPLETE)

REFERENCE:

_IENT: 15053 YUKON INC.

SUBMITTED BY: S. TRAYNOR

ROJECT: BIGTOP

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

ATE PPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
20826	1 Au30	Gold	3	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
20826	2 Au Wt1	Test Weight	3	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA
20826	3 Ag	Silver	3	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	4 Cu	Copper	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	5 Pb	Lead	3	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	6 Zn	Zinc	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	7 Ni	Nickel	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	8 Co	Cobalt	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	9 Cd	Cadmium	3	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	10 Bi	Bismuth	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	11 As	Arsenic	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	12 Sb	Antimony	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	13 Hg	Mercury	3	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
20826	14 Fe	Iron	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	15 Mn	Manganese	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	16 Te	Tellurium	3	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	17 Ba	Barium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	18 Cr	Chromium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	19 V	Vanadium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	20 Sn	Tin	3	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	21 W	Tungsten	3	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	22 La	Lanthanum	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	23 Al	Aluminum	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	24 Mg	Magnesium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	25 Ca	Calcium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	26 Na	Sodium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	27 K	Potassium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	28 Sr	Strontium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	29 Y	Yttrium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	30 Ga	Gallium	3	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	31 Li	Lithium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	32 Nb	Niobium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	33 Sc	Scandium	3	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	34 Ta	Tantalum	3	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	35 Ti	Titanium	3	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20826	36 Zr	Zirconium	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
990826	37 Mo	Molybdenum	3	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASM

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

REPORT COPIES TO: MR. STEVE TRAYNOR

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AMPLE	ELEMENT	Au30	Au Wt1	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
UMBER	UNITS	PPB	GM	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
9R211		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
9R216		<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
9R217		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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TANDARD AME	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
TD 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
umber 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
ean 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
tandard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ccepted 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
NALYTICAL 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
umber 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
ean 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
tandard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ccepted 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	<.01	<1	1
xide (Feldspar &	463	31.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
umber of Analyses	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ean Value	463	31.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tandard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ccepted Value	465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

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MR. STEVE TRAYNOR
P.O. BOX 4375
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Y1A 3T5

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90831	1 Au30	Gold	2	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
90831	2 Ag	Silver	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	3 Cu	Copper	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	4 Pb	Lead	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	5 Zn	Zinc	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	6 Ni	Nickel	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	7 Co	Cobalt	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	8 Cd	Cadmium	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	9 Bi	Bismuth	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	10 As	Arsenic	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	11 Sb	Antimony	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	12 Hg	Mercury	2	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
90831	13 Fe	Iron	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	14 Mn	Manganese	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	15 Te	Tellurium	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	16 Ba	Barium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	17 Cr	Chromium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	18 V	Vanadium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	19 Sn	Tin	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	20 W	Tungsten	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	21 La	Lanthanum	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	22 Al	Aluminum	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	23 Mg	Magnesium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	24 Ca	Calcium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	25 Na	Sodium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	26 K	Potassium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	27 Sr	Strontium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	28 Y	Yttrium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	29 Ga	Gallium	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	30 Li	Lithium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	31 Nb	Niobium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	32 Sc	Scandium	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	33 Ta	Tantalum	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	34 Ti	Titanium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	35 Zr	Zirconium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
90831	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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AMPLE	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
IUMBER	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
9R218		<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
9R219		<5	0.4	56	18	15	11	1	0.3	<5	<5	<5	<.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 PPB	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
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
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	<.01	<1	1
Oxide (Feldspar &		2781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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

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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
990917 1	Au30	Gold	1	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
990917 2	Ag	Silver	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990917 3	Cu	Copper	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
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
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

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	1	2 -150	1	TOTAL SAMPLE PREP	1

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: 15053 YUKON INC. PROJECT: BIGTOP

REPORT: V99-01074.0 (COMPLETE) DATE RECEIVED: 16-SEP-99 DATE PRINTED: 20-SEP-99 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	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	Tl PCT	Zr PPM	Mo 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

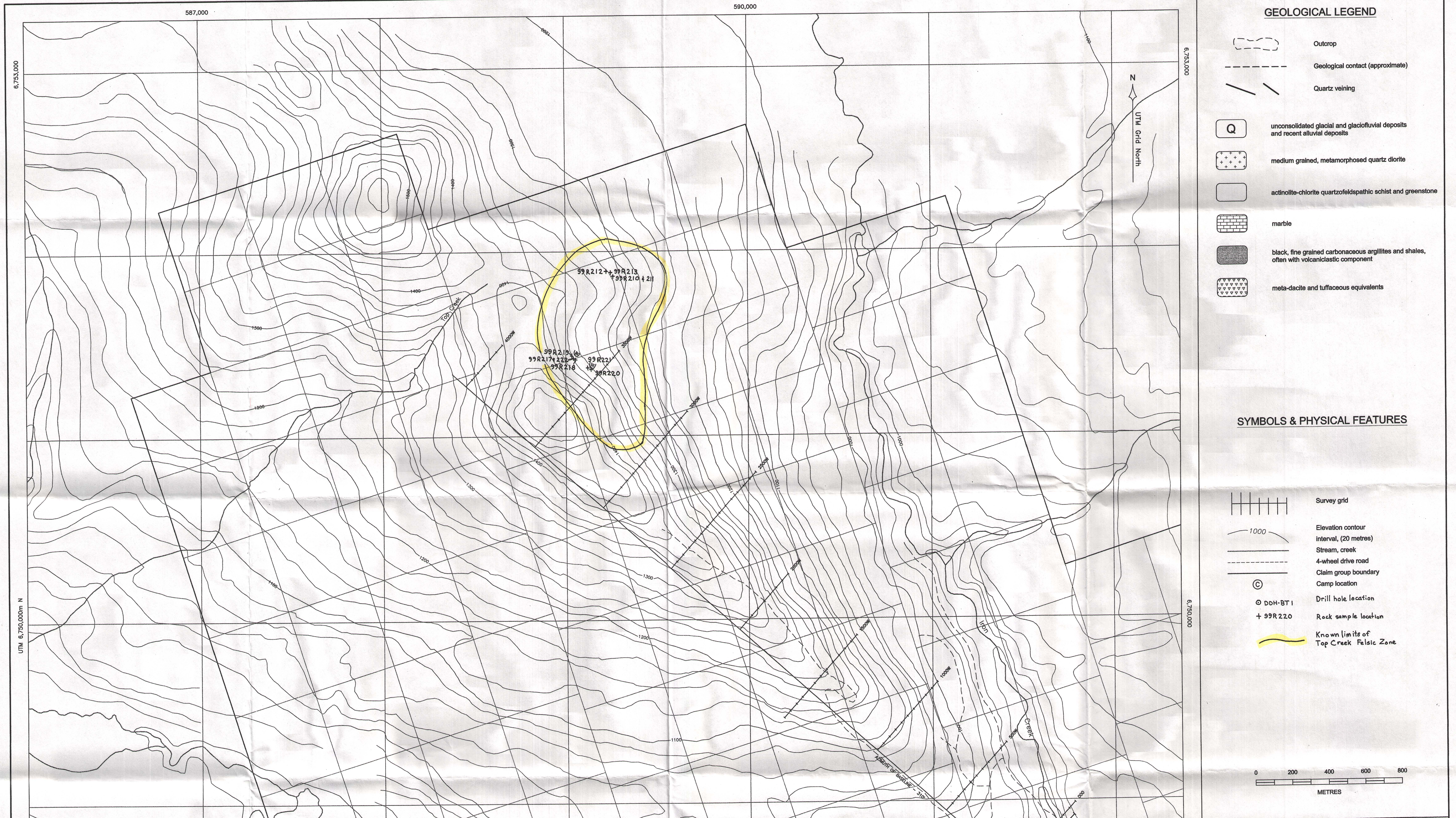
Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: 15053 YUKON INC. PROJECT: BIGTOP

REPORT: V99-01074.0 (COMPLETE) DATE RECEIVED: 16-SEP-99 DATE PRINTED: 20-SEP-99 PAGE 2 OF 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	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
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
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	<.01	<1	1
Oxide (Feldspar &		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
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



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

E:\249\249_0128.dwg Tanana Exploration