1998 GEOLOGICAL and GEOCHEMICAL ASSESSMENT REPORT ON THE BOURYA PROPERTY

Quartz Claims

Bourya 001-024 YC01187-01210

Dec. 15, 1999

Mayo Mining District
N.T.S. 105N/08

Latitude: 63°21' North
Longitude: 132°01' West

Owner: Viceroy Exploration (Canada), Inc.

Author: Rick Diment

Date of work: June & July 1998

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is approved as representative work in the amount of $ 4972.

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

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

APPENDICES

SUMMARY

The Bourya Property, consisting of the Bourya 1-24 Claims located in Central Yukon on NTS sheets 105N/08, was staked in 1998 by Viceroy Exploration (Canada), Inc.

The Bourya Property is located within the Paleozoic Selwyn Basin which consists of a broad package of Paleozoic sediments extending ESE from north-west of Dawson City to the Yukon-NWT border north of the major NW-SE trending Tintina Fault Zone. This stratigraphy consists of shallow shelf to off-shelf marine clastic and chemical sediments, as well as basinal clastic sediments derived from the Ancient North American Platform to the north-east. Several episodes of continental uplift have led to periods of increased erosion and resulting continental margin or miogeosynclinal deposition, resulting in formation of comparatively high energy, shallow water sediments, often coarsely grained and variably calcareous. These are separated by strata formed under deeper, quieter water conditions, resulting in formation of fine clastic sediments and chert. The Mid-Cretaceous Tombstone-Tungsten Suite (95-89 Ma) has been emplaced within the Selwyn Basin. Members of this suite occur along an ESE trending belt extending for over 500 kilometres from north-west of Dawson City, Yukon to the Yukon-NWT border. Tombstone Suite intrusives are believed to control much of the economic gold mineralization within the Selwyn Basin.

Extensive thrust faulting along the entire extent of the Selwyn Basin began during Late Jurassic time, resulting in creation of a compressional regime. Most thrust faults are oriented roughly ESE, dipping to the south-west, subparallel to the overall ESE trend of stratigraphy. This regional lineation has been overprinted by a slightly less pronounced NE-SW lineation, marked by high angle orthogonal faults suggesting the compressional regime was followed by an extensional tectonic regime.

During 1998 a total of 54 rock, 79 silt and 74 soil samples were collected in the vicinity of what would become the Bourya Claims. Applicable work for assessment included 14 rock and 7 silt samples, collected in late June and July, as well as geological mapping and prospecting.

The Bourya Claims are underlain by a broad package of Earn Group east-west trending phyllite and shale. A large unit of graphitic phyllite occurs about 250 metres to the southwest. A small biotite-granite stock underlies southeastern areas, with associated east-west trending weakly mineralized quartz monzonite dykes extending across central areas and continuing west of the property. Weakly elevated rock and soil values to 30 ppb Au were returned from the dikes; a silt sample returning 80 ppb Au was returned just downstream of strongly gossaneous Earn Group sediments along the east boundary of the claim block.

Exploration expenditures in 1998 amounted to $4,972.

Future exploration should concentrate on more detailed follow-up around the 80 ppb Au silt anomaly in the north trending creek drainage 0.5 km east of the property. Outcrop exposure is excellent along the creek. Detailed mapping and chip sampling would be effective in determining the source of the silt anomaly and evaluating the economic potential of the hydrothermal system.

CHAPTER 1: INTRODUCTION

1.1 Introductory Statement

The Bourya Property consists of 24 contiguous quartz mining claims (Bourya 1-24 claims) covering a 3.6 square kilometre area measuring 2.4 by 1.5 kilometres within NTS Sheets 105 N/08, in the Mayo Mining District (Figures 1, 3).

The 1998 exploration program involved reconnaissance soil and silt sampling, limited geological mapping and rock sampling.

1.2 Location and Access

The Bourya Property is located 150 kilometres north of the town of Ross River, in the Yukon Territory. It is centered at 63 ° 21' North latitude, 132 ° 01' west longitude on NTS Map Sheets 105 N/ 08 (Figure 2).

Access is by helicopter from Fairweather Lake roughly 15 kilometres to the southwest.

1.3 Physiography and Vegetation

The Bourya Property occurs within moderately rolling terrain with limited outcrop exposure attaining elevations of 3,500 feet. The entire property is covered by typical northern boreal spruce and fir forest. Outcrop exposures are restricted to ridge tops and the north flowing creek drainage on the western edge of the property.

1.4 Property Exploration History

The Bourya Property area was targeted to evaluate anomalous gold, arsenic, antimony and mercury associated with Cretaceous intrusives and Lower Paleozoic stratigraphy. The Bourya 1-24 claims were staked to cover anomalous RGS values and altered quartz monzonite dikes.

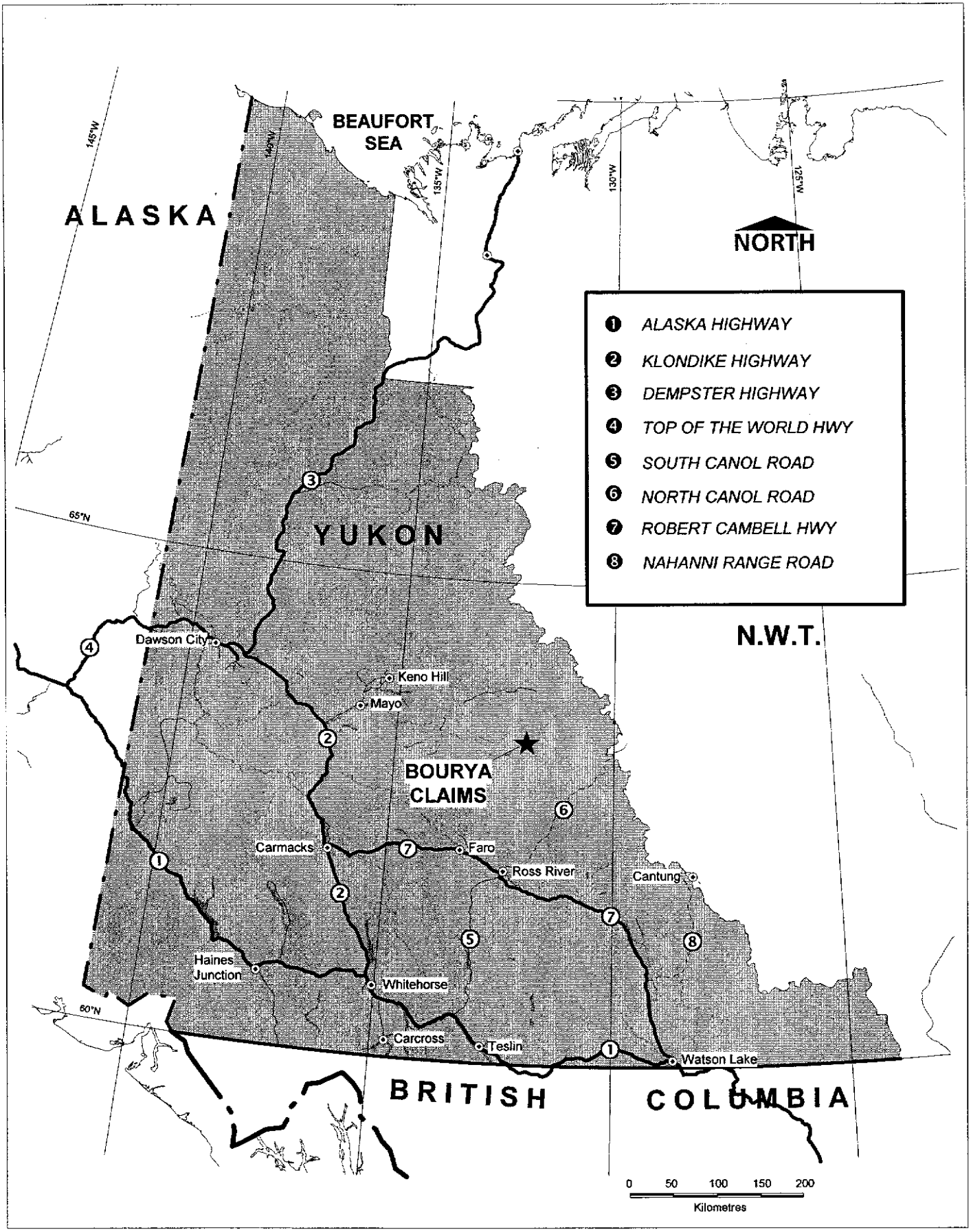
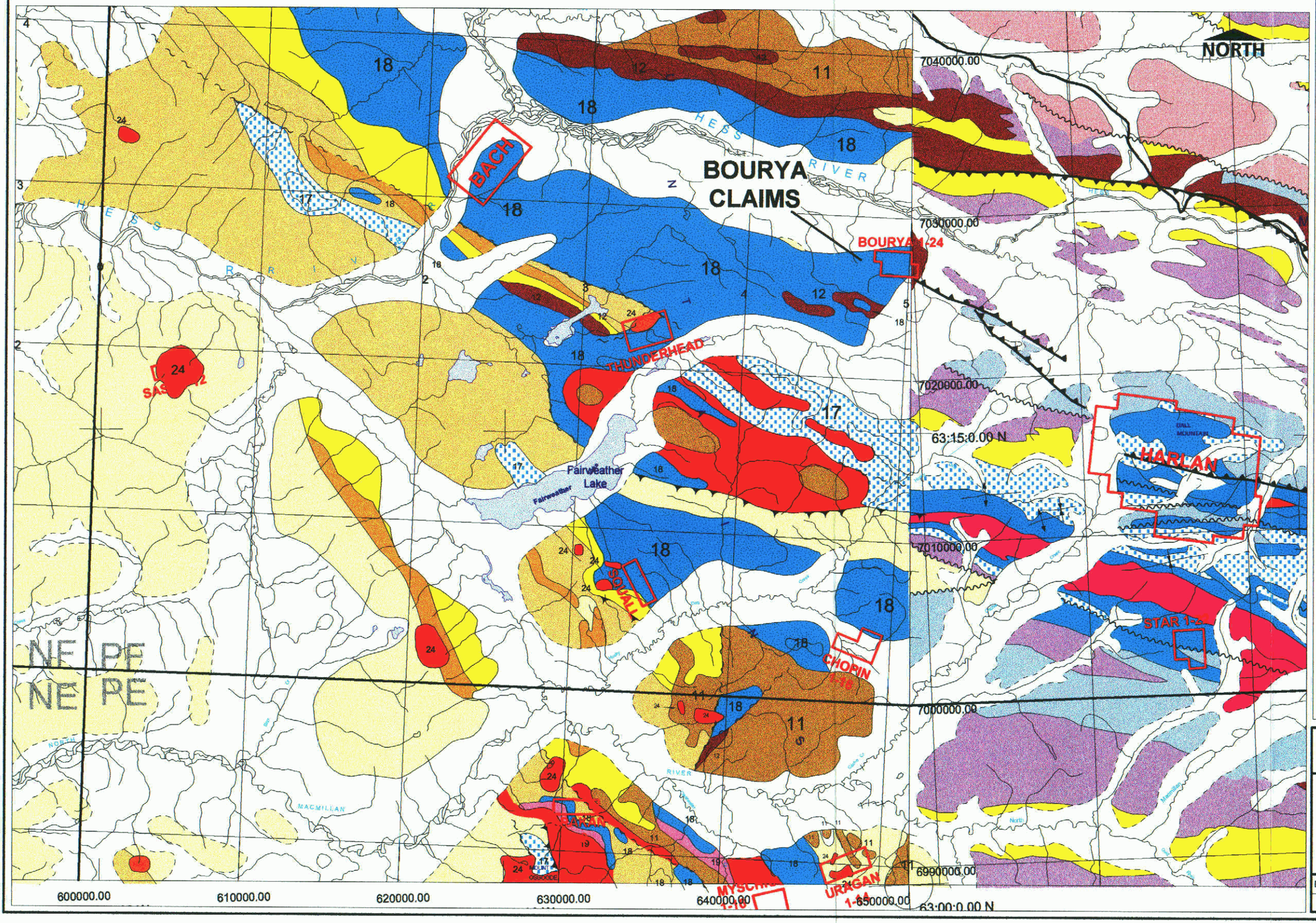


FIGURE 1: BOURYA PROPERTY GENERAL LOCATION MAP



GEOLOGICAL LEGEND

I: Selwyn Basin (Northeast of Tintina Trench)

MESOZOIC

Cretaceous

24 — Biotite granite, biotite quartz monzonite, syenite (predominantly Tombstone Suite)

Triassic

JONES LAKE FORMATION: Brown to grey weathering calcareous and micaceous sandstone and siltstone, siliceous shale and slate, minor limestone

PALEOZOIC

Permian

MOUNT CHRISTIE FORMATION: Green argillite siliceous siltstone, minor sandstone and dolostone with deep-orange weathering

Carboniferous to Permian

20 — Thin bedded limestone, minor black shale, chert chert pebble conglomerate

Mississippian

19 — Keno Hill quartzite: Massive quartzite, minor slate phyllite, argillaceous quartzite. Eastern units may be temporally equivalent.

Devonian to Mississippian

18 — EARN GROUP, Prevost Formation: Thin bedded to laminated, dark blue-grey to black slate, phyllite, commonly graphitic, lesser calcareous siltstone sandstone and shale

17 — Prevost Formation chert pebble conglomerate interbedded with chert-quartz arenite and greywacke, chert-quartz sandstone, blue-grey to black slate

EARN GROUP, Portrait Lake Formation and Unsubdivided. Thin bedded, siliceous black siltstone, shale and chert.

16 — Felsic metavolcanics, quartz porphyry (part of lower schist?)

Ordovician to Early Devonian

12 — ROAD RIVER GROUP, Sisel Formation: Orange weathering, thin bedded, bioturbated dolomitic to grey-green mudstone to siltstone, lesser chert

ROAD RIVER GROUP; Duo Formation and Unsubdivided: Thin to medium bedded, light grey to black chert, black shale, often graphitic

RABBITKETTLE FORMATION

Basalt, tuff, tuff breccia

11 — Limestone and dolomite, minor black platy argillaceous limestone and dolomite

Early to Mid-Cambrian

GULL LAKE FORMATION: Dark grey to black siliceous siltstone

SEKWI FORMATION: Limestone, silty limestone, local limestone slope breccia, minor siltstone and black shale

PROTEROZOIC

Late Hadrynian to Early Cambrian

HYLAND GROUP, Narchilla Formation: Argillite, dark grey, green to maroon shale and phullite, minor argillaceous limestone and chert pebble conglomerate and "grit" unit

Late Hadrynian

YUSEZYU FORMATION: Grey to dark grey limestone, minor arenaceous limestone, dark quartzite, calcareous quartzite, minor argillaceous limestone

YUSEZYU FORMATION: Argillite, maroon and green thin bedded, also thick bedded quartzite, calcareous quartzite, minor argillaceous limestone

VICEROY EXPLORATION (CANADA), INC.

BOURYA PROPERTY

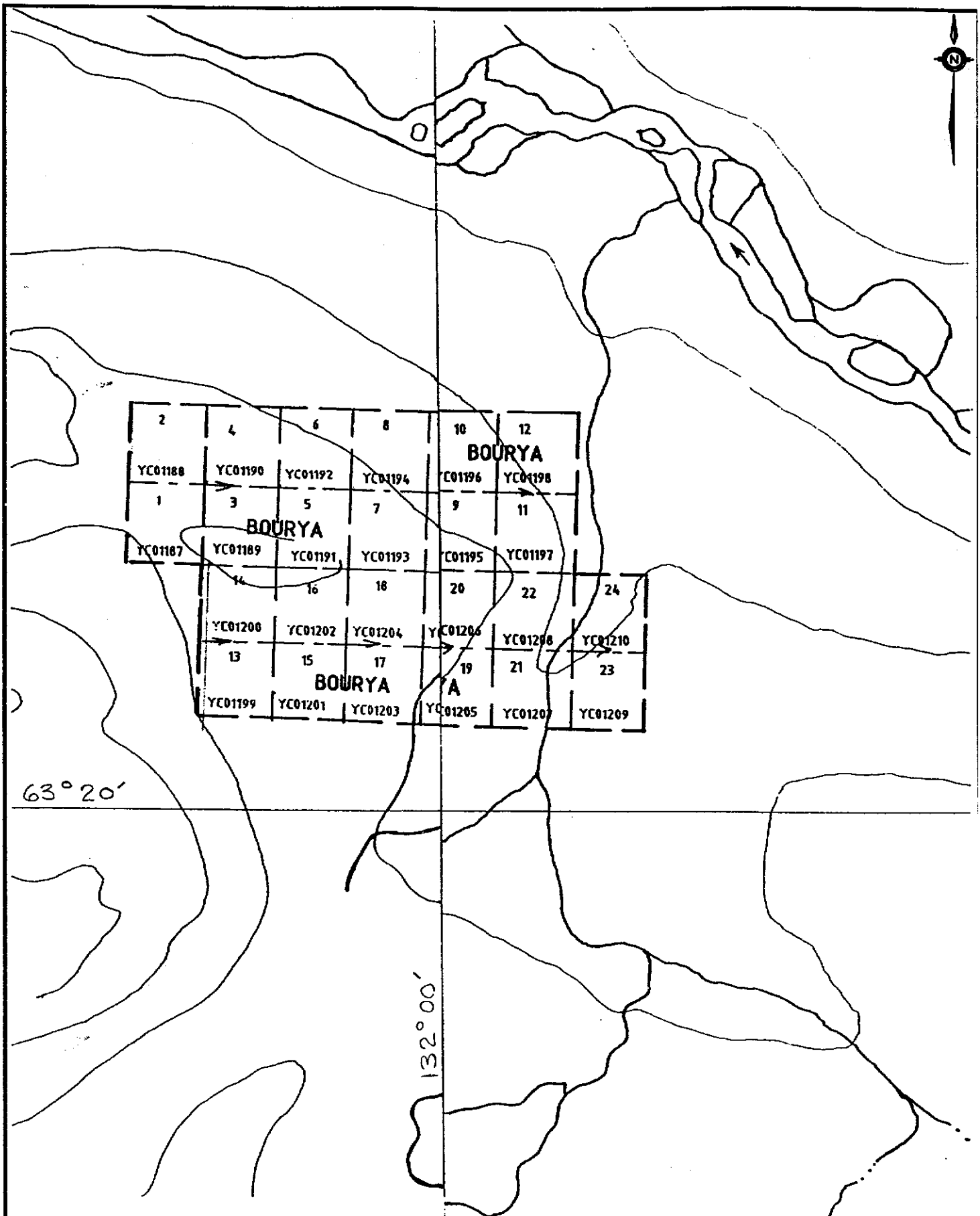
REGIONAL GEOLOGIC SETTING

0 5 10

Kilometres

DRAWN BY:	DATE: June 99	NTS: 105N/8 & 105O/5
	SCALE: 1:250,000	FIGURE NO: 2

094054



0 2500 5000 ft.

0 1000 m

Scale 1 inch = 0.5 mile or 1:31,680

Date: May 99 NTS: 105N/8 & 1050/5

VICEROY EXPLORATION (CANADA), INC.

BOURYA PROPERTY
CLAIM MAP

Fig. 3

Table 1 below lists detailed claim status, including assessment status and expiry dates following the 1998 filing.

Table 1. Status of Bourya Property claims after 1998 filing

Claim Name	*Grant No.*	*Owner*	*New expiry date*	*Work completed By*
Bourya 001-024	YC01187-01210	Viceroy Exploration (Canada), Inc.	June 22, 2001	Viceroy

1.5 Work Program

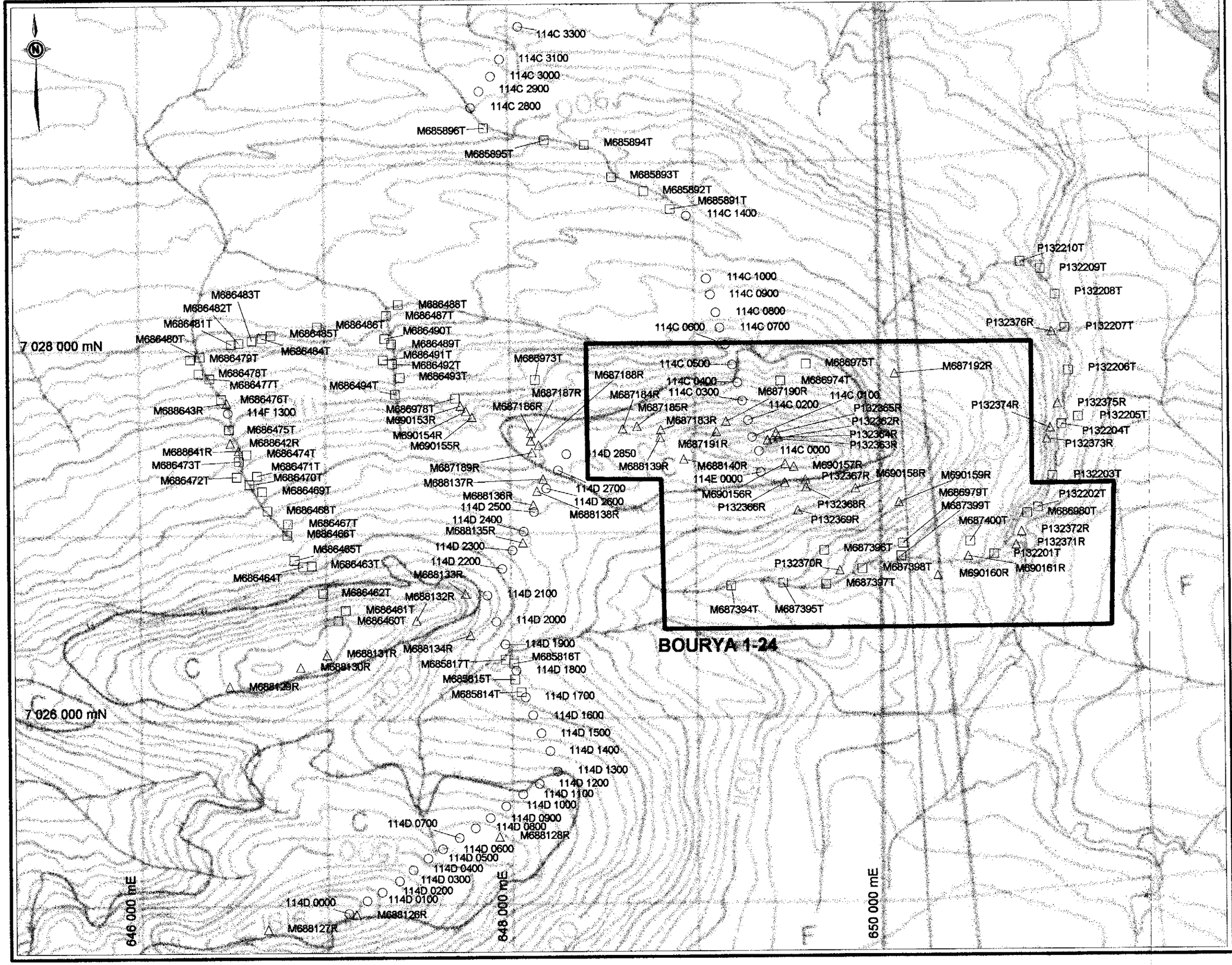
During 1998, a total of 54 rock, 79 silt and 74 soil samples were collected in the vicinity of what would become the Bourya Claims. Applicable work for assessment included 14 rock and 7 silt samples, collected in late June and July, as well as geological mapping and prospecting. All sample locations for 1998 are shown on Figure 4. Due to changes in personnel, it is not possible to ascertain which of the rock and silt samples were collected for assessment. As a result, all rock, silt and soil samples collected in the area are presented in the appendices. Appendix 1, does however, just show the applicable costs for assessment, for obtaining the 14 rock and 7 silt samples.

1.5.1 Sample Preparation and Assay Procedure

All samples were shipped and analyzed by Chemex Labs of North Vancouver, B.C. Soil samples were dried and sieved to – 80 mesh, and rock samples were crushed and pulverized to – 150 mesh. All samples were subject to 30g fire assay for gold with an atomic absorption finish, and also analyzed by 32 element ICP scan. Mercury was analyzed using a 10 ppb detection limit. Rejects are retained at Chemex Labs for one year. All sample locations have been tied into UTM co-ordinates and have been plotted. A sample database in Microsoft Excel format is included and can be interfaced with Autocad Map or MapInfo software programs.

1.5.2 Personnel

All applicable assessment work was done by Carl Schulze, Senior Exploration Geologist, Steve Gower, Consulting Geologist, Gordon Macintosh, Geologist and field assistants S. Erdman and E. Thompson.



VICEROY EXPLORATION (CANADA), INC.

BOURYA PROPERTY
(Target 114)
(YUKON REGIONAL PROJECT)

SAMPLE NUMBER MAP

DRAWN BY: CS, TL	DATE: June.99	NTS: 105N/8, 105O/5
UTM, NAD27, ZONE 8	SCALE: 1:20,000	FIGURE NO: 4

CHAPTER 2: GEOLOGY

2.1 Regional Geology

The Bourya Property is located within the Selwyn Basin which consists of a broad package of Paleozoic sediments extending ESE from north-west of Dawson City to the Yukon-NWT border north of the major NW-SE trending Tintina Fault Zone. This stratigraphy consists of shallow shelf to off-shelf marine clastic and chemical sediments, as well as basinal clastic sediments derived from the Ancient North American Platform to the north-east. Age of deposition ranges from Late Precambrian to Permian. At least two major episodes of rifting have occurred: the first during deposition of the Late Precambrian Hyland Group sediments, and the second during deposition of the Devono-Mississippian Earn Group sediments (Table 2, Figure 2). These major rift zones often host poorly sorted coarse clastic sediments, such as debris flows or turbidite horizons. Several episodes of continental uplift have led to periods of increased erosion and resulting continental margin or miogeosynclinal deposition, resulting in the creation of sequences of comparatively high energy, shallow water sediments, often coarsely grained and variably calcareous. These are separated by strata formed under deeper, quieter water conditions, resulting in formation of fine clastic sediments and chert. The Mid-Cretaceous Tombstone-Tungsten Suite (95-89 Ma) has been emplaced within the Selwyn Basin. Intrusives of this suite occur along an ESE trending belt extending for over 500 kilometres from north-west of Dawson City, Yukon to the Yukon-NWT border. Intrusives are believed to control much of the economic gold mineralization within the Selwyn Basin.

Extensive thrust faulting along the entire extent of the Selwyn Basin began during Late Jurassic time, resulting in creation of a compressional regime. Most thrust faults are oriented roughly ESE, dipping to the south-west, subparallel to the overall ESE trend of stratigraphy. Several major regional thrust faults were formed including the Dawson Thrust, Tombstone Thrust, and Robert Service Thrust. This regional lineation has been overprinted by a slightly less pronounced NE-SW lineation, marked by high angle orthogonal faults suggesting the compressional regime was followed by an extensional tectonic regime.

2.2 Property Geology

The Bourya Claims are underlain by a broad package of Earn Group east-west trending phyllite and shale (Figure 5). A large unit of graphitic phyllite occurs about 250 metres to the southwest. A small biotite-granite stock underlies southeastern areas, with associated east-west trending weakly mineralized quartz monzonite dykes extending across central areas and continuing west of the property.

TABLE 2: STRATIGRAPHIC COLUMN, BOURYA PROPERTY

Age	Group	Formation (Lithology)	Geology Map Designation	Description
Mid-Late Cretaceous (95-89Ma)	Tombstone-Tungsten Plutonic Suite	Diorite through Granite (Most commonly Quartz-Monzonite)	Kqm, Kg, Kdr	Felsic to intermediate, dioritic to granitic intrusives, most commonly monzonitic, quartz monzonitic to quartz dioritic. Frequently quartz-feldspar to feldspar porphyritic within upper emplacement levels and dykes. Tungsten Suite along Yukon - NWT border is now believed to be part of Tombstone Suite.
Devonian - Mississippian	Earn Group	**Prevost Formation** Shale, chert-pebble-conglomerate, chert-quartz sandstone	DMp, (Dme)	Brown weathering shale, grey - grey-brown weathering chert-pebble-conglomerate, dark grey to black chert-quartz sandstone.
Devonian - Mississippian	Earn Group	**Portrait Lake Formation** Shale, chert	Dp, (Dme)	Shale, chert, minor sandstone and conglomerate.
Ordovician - Early Devonian	Road River Group	**Steel Formation**	SS (OSDr)	Weakly to moderately calcareous orange weathering mudstone to siltstone, often bioturbated reflecting oxygenated bottom water conditions.
Ordovician - Early Devonian	Road River group	**Duo Lake Formation**	OSD (OSDr)	Black siliceous shale and chert, minor limestone. Weathers black to bluish white; local tan weathering.
Ordovician - Early Devonian	Road River group	**Menzies Creek Formation**	Mv	Basalts, andesites; frequently porphyritic and calcareous.

7 028 000 mN

DMe
phy

BOURYA 1-22

Phyllite

DMe
phy
Phyllite, siltstone, minor quartz-pebble conglomerate

Kqm

F.P.

QM

QM?

QPC

Gossanous phy, slt

Phy

PHY;SH

DMe
Graphitic Phyllite, Shale, locally chloritic

intensive Qtz veining

Kg
Biotite granite, Quartz monzonite, locally feldspar porphyritic, Pyritic, locally arsenical.

BGr

QFP

Phyllite

648 000 mE

650 000 mE

Silt samples

<= 14 ppb Au	(73)
15 to 34 ppb Au	(4)
35 to 49 ppb Au	(1)
50 to 99 ppb Au	(1)
>= 100 ppb Au	(0)

Soil samples

<= 19 ppb Au	(70)
20 to 49 ppb Au	(4)
50 to 99 ppb Au	(0)
100 to 249 ppb Au	(0)
250 to 499 ppb Au	(0)
>= 500 ppb Au	(0)

Rock samples

<= 19 ppb Au	(49)
20 to 99 ppb Au	(5)
100 to 499 ppb Au	(0)
500 to 999 ppb Au	(0)
>= 1000 ppb Au	(0)

LEGEND

MESOZOIC

CRETACEOUS - TOMBSTONE PLUTONIC SUITE (Kqm)

- Quartz monzonite (QM), Altered Quartz Monzonite (AQM), Quartz-feldspar porphyritic monzonite (QFP), Diorite (Dr).

PALEOZOIC

DEVONIAN to MISSISSIPPIAN - EARN GROUP (Dme)

- Thin bedded phyllite (Phy), commonly graphitic (GPhy), lesser calcareous siltstone (Slt), sandstone (SST) and shale (SH).
- Phyllite, siliceous shale, siltstone.
- Chert pebble conglomerate (CPC), lesser greywacke (Gw), sandstone.

ORDOVICIAN to EARLY DEVONIAN - ROAD RIVER GROUP (OSDr)

- STEEL FORMATION - Orange weathering, grey-green mudstone (Mst) to siltstone.
- DUO LAKE FORMATION - Chert, minor black shale, siltstone, argillite (ARG).
- DUO LAKE FORMATION - Shale, siltstone, minor chert.
- MENZIE CREEK FORMATION (Mv) - Andesite (And), basalt (Ba), often vesicular, calcareous.

PROTEROZOIC

LATE HADRYNIAN - EARLY CAMBRIAN
HYLAND GROUP (PrCh), YUSEZYU FORMATION

- Grey limestone to silty limestone.
- Phyllite, locally calcareous, argillite (ARG), shale, siltstone.
- "Grit" units; coarse clastic sediments, including quartz pebble conglomerate (QPC), quartzite (QZTE), sandstone.

SYMBOLS

- Strike and dip of bedding
- Strike and dip of foliation
- Area of outcrop or rubble
- Geologic contact
- Limit of alteration zone
- Fault
- Thrust fault (inferred), teeth indicate dip direction
- Cliff
- Soil traverse line
- Silt sample
- Soil sample
- Rock sample

ABBREVIATIONS

abnt	Abundant	graph	Graphite
AQM	Altered quartz monzonite	hem	Hematite
Arg	Argillite	hfels	Hornfels zone
argl	Argillic alteration	lim	Limonite
Ag	Silver	Po	Pyrrhotite
As	Arsenopyrite	Py	Pyrite
Au	Gold	QFP	Quartz-feldspar porphyritic
bor	Bornite	QV	Quartz vein
brec	Brecciated	Qz	Quartz
calc-sil	Calc-silicate alteration	rcrop	Rubblecrop
carb	Carbonate	scor	Scorodite
Cp	Chalcopyrite	sil	Silicified
Fe seep	Iron seep	slst	silty limestone
fcrte	Ferricrete	stwk	Stockwork zone
FP	Feldspar Porphyritic	o/c	Outcrop

0 1 km

VICEROY EXPLORATION (CANADA), INC.

BOURYA PROPERTY
(Target 114)
(YUKON REGIONAL PROJECT)
COMPILATION MAP

DRAWN BY: CS, TL	DATE: May.99	NTS: 105N/8, 105O/5
UTM, NAD27, ZONE 8	SCALE: 1:20,000	FIGURE NO: 5

094054

CHAPTER 3: MINERALIZATION

3.1 Property Mineralization

Weak gold mineralization up to 30 ppb Au and elevated mercury, arsenic, silver and antimony is associated with east-west trending quartz monzonite dikes and proximal graphitic siltstone and phyllite (see figure 5).

Weakly elevated gold values to 30 ppb, with 14.0 gpt Ag, 870 ppb mercury, and 64 ppb antimony, were recovered from graphitic siltstone. A sample of strongly gossanous, pyrrhotite enriched thin-bedded sediments about 400 metres east of the claims returned 20 ppb Au/1.5 metres, with 4.2 gpt Ag, 108 ppm As, and 6 ppm Sb. Soil sampling returned isolated weakly anomalous values to 25 ppb Au and 328 ppm Cu from northern areas. Silt sampling revealed a weakly anomalous area to the northeast, returning values to 40 ppb Au, with 6.2 gpt Ag and 0.14% copper. A silt sample taken roughly 100 metres downstream of the pyrrhotitic sediments east of the property returned 80 ppb Au, with background pathfinder values.

Sample descriptions and assay results can be found in appendices 2, 3 and 4.

CHAPTER 4: CONCLUSIONS

The Bourya Property, consisting of the Bourya 1-24 Claims located in Central Yukon on NTS sheets 105N/08, was staked in 1998 by Viceroy Exploration (Canada), Inc.

The Bourya Property is located within the Selwyn Basin which consists of a broad package of Paleozoic sediments extending ESE from north-west of Dawson City to the Yukon-NWT border north of the major NW-SE trending Tintina Fault Zone. This stratigraphy consists of shallow shelf to off-shelf marine clastic and chemical sediments, as well as basinal clastic sediments derived from the Ancient North American Platform to the north-east. Age of deposition ranges from Late Precambrian to Permian. Several episodes of continental uplift have led to periods of increased erosion and resulting continental margin or miogeosynclinal deposition, resulting in formation of comparatively high energy, shallow water sediments, often coarsely grained and variably calcareous. These are separated by strata formed under deeper, quieter water conditions, resulting in formation of fine clastic sediments and chert. The Mid-Cretaceous Tombstone-Tungsten Suite (95-89 Ma) has been emplaced within the Selwyn Basin. Members of this suite occur along an ESE trending belt extending for over 500 kilometres from north-west of Dawson City, Yukon to the Yukon-NWT border. Tombstone Suite intrusives are believed to control much of the economic gold mineralization within the Selwyn Basin.

Extensive thrust faulting along the entire extent of the Selwyn Basin began during Late Jurassic time, resulting in creation of a compressional regime. Most thrust faults are oriented roughly ESE, dipping to the south-west, subparallel to the overall ESE trend of stratigraphy. This regional lineation has been overprinted by a slightly less pronounced NE-SW lineation, marked by high angle orthogonal faults suggesting the compressional regime was followed by an extensional tectonic regime.

The Bourya Claims are underlain by a broad package of Earn Group east-west trending phyllite and shale. A large unit of graphitic phyllite occurs about 250 metres to the southwest. A small biotite-granite stock underlies southeastern areas, with associated east-west trending weakly mineralized quartz monzonite dykes extending across central areas and continuing west of the property.

Weakly elevated gold values to 30 ppb, with 14.0 gpt Ag, 870 ppb mercury, and 64 ppb anitmony, were recovered from graphitic siltstone. A sample of strongly gossanous, pyrrhotite enriched thin-bedded sediments about 400 metres east of the claims returned 20 ppb Au/1.5 metres, with 4.2 gpt Ag, 108 ppm As, and 6 ppm Sb. Soil sampling returned isolated weakly anomalous values to 25 ppb Au and 328 ppm Cu from northern areas. Silt sampling reveled a weakly anomlaous area to the northeast, returning values to 40 ppb Au, with 6.2 gpt Ag and 0.14% copper. A silt sample taken roughly 100 metres downstream of the pyrrhotitic sedimetns east of the property returned 80 ppb Au, with background pathfinder values.

CHAPTER 5: RECOMMENDATIONS

Future exploration should concentrate on more detailed follow-up around the 80 ppb Au silt anomaly in the north trending creek drainage 0.5 km east of the property. Outcrop exposure is excellent along the creek. Detailed mapping and chip sampling would be effective in determining the source of the silt anomaly and evaluating the economic potential of the hydrothermal system.

BIBLIOGRAPHY

Department of Indian and Northern Affairs, 1995: Yukon Minfile, Frances Lake Area (Sheet 105N); Exploration and Geological Services, Whitehorse.

Diment, R, 1997; Brewery Creek Report, 1996: Exploration Progress Report, In-house report, Viceroy International Exploration, Inc.

Gordey, S.P. and Anderson, R.G., 1996: Evolution of the Northern Cordilleran Miogeosyncline, Nahanni Map Area (105I), Yukon and Northwest Territories; Geological Survey of Canada, Memoir 428.

Poulson, K.H., 1996: Carlin Type Gold Deposits: Canadian Potential?, in New Deposit Models of the Cordillera, Northwest Mining Association short course.

Roots, C.F. Abbott, J.G. Cecile, M.P. Gordey, S.P. 1995: Bedrock Geology of Lansing Range Map Area (105N), East Half, Hess Mountains, Yukon; Exploration and Geological Services, Yukon Region, and Indian and Northern Affairs Canada.

Schulze, C, 1997: Yukon Regional Project, 1997 Progress Report; In-house Report, Viceroy Exploration (Canada), Inc.

STATEMENT OF QUALIFICATIONS

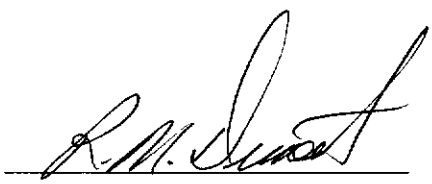
I, Rick Diment, of the City of Whitehorse, Yukon Territory, Canada, do hereby certify that:

1) I have held the position of Senior Exploration Geologist with Viceroy Exploration (Canada), Inc, since 1996.

2) I graduated from University of British Columbia with a Bachelor of Science Degree in Geology in 1986.

3) I have been continually active in mineral exploration since 1986.

4) Although I did not supervise the field activities or have not been to the property described in this report; information was compiled from the Field Party Chief's field notes and reports (Carl Schulze).



Rick Diment
Senior Geologist
Viceroy Exploration (Canada) Inc.

APPENDIX 1

APPLICABLE EXPENDITURES FOR ASSESSMENT CREDITS

Bourya Property Expenditures	
Description	**Expenditure**
Labor	$785
Camp costs	150
Helicopter	877
Fixed Wing	1300
Geochemical Analyses	420
Ground Transportation	140
Report Writing	1,300
Total	**4,972**

APPENDIX 2

ROCK ASSAY RESULTS

Bourya

Rock Sample Descriptions and Assays

Sample	X_Coord	Y_Coord	Traverse	Zone	Type	Width_m	Desc	Fm	Lithology	Modifier	Colour	Carb	Silicif	Alt_ARG	Alt_POT	Alt_PHY	Limonite	Mineral_1	M1_Amt	Mineral_2	M2_Amt	Mineral_3	M3_Amt	Date	Name
M687183R	648825	7027556	114C	8	cg		Oc	Kqm	QM	Si	wh		S1	A2			wk	P	3	As	tr			06/14/98	GDM
M687184R	648618	7027562	114C	8	cg		Rb	Kqm	QM	Si	tan		S1	A2			mod	P	3	As	tr	Hem	2	06/14/98	GDM
M687185R	648696	7027575	114C	8	cg		Rb	DMe	SLT	Frac	blk		S3	A1			wk	P	3	As	tr			06/14/98	GDM
M687186R	648120	7027543	114C	8	cg		Oc	Kqm	QM	Si	mgy		S1	A1			wk	P	5	As	3			06/14/98	GDM
M687187R	648118	7027500	114C	8	cg		Oc	Kqm	QM	Si	wh		S1	A3			wk	P	5	As	3			06/14/98	GDM
M687188R	648161	7027477	114C	8	cg		Fl	DMe	SS	Vned	dgy		S3	A1			wk	P	5	As	3	Sp	1	06/14/98	GDM
M687189R	648125	7027437	114C	8	cg		Fl	DMe	SS	Vned	tan		S3	A1			strg	P	5	As	3	Sp	1	06/14/98	GDM
M687190R	649173	7027597	114C	8	cg		Oc	Kqm	QM	Mass	mgy		S3	A1			wk	P	8	As	1	Mn	2	06/14/98	GDM
M687191R	649120	7027544	114C	8	cg		Oc	Kqm	QM	Mass	mgy		S3	A1			wk	P	8	As	1	Mn	2	06/14/98	GDM
M687192R	650088	7027849	114X	8	cg		Rb	Kqm	QM	Si	tan		S3	A3			mod	P	5	As	tr	Mn	5	06/16/98	GDM
M688126R	647158	7024948	114D	8	c		Oc	DMe	PHY	Frac	mgy		S1				mod							06/12/98	SS
M688127R	646683	7024872	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod	as	tr					06/12/98	SS
M688128R	647935	7025363	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod							06/12/98	SS
M688129R	646482	7026186	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod							06/12/98	SS
M688130R	646865	7026286	114D	8	c		Oc	DMe	PHY	Frac	tan		S1				strg							06/12/98	SS
M688131R	647009	7026353	114D	8	c		Oc	DMe	PHY	Frac	mgy		S1				mod							06/12/98	SS
M688132R	647496	7026534	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod							06/12/98	SS
M688133R	647761	7026676	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod							06/12/98	SS
M688134R	647786	7026454	114D	8	c		Oc	DMe	PHY	Frac	blk		S1				mod							06/12/98	SS
M688135R	648073	7026951	114D	8	c		Oc	DMe	PHY	Frac	mgy		S1				mod	py	2	po	1			06/12/98	SS
M688136R	648131	7027154	114D	8	c		Oc	DMe	QPC	Frac	tan		S1				mod							06/12/98	SS
M688137R	648184	7027293	114D	8	c		Oc	DMe	PHY	Frac	blk		S1	A2			mod	py	1					06/12/98	SS
M688138R	648150	7027229	114D	8	c		Oc	Kqm	GR	Frac	yl		S1				mod	py	2					06/12/98	SS
M688139R	648819	7027514	114D	8	c		Oc	DMe	PHY	Frac	mgy		S1				mod	py	2					06/12/98	SS
M688140R	648946	7027395	114D	8	c		Oc	DMe	PHY	Frac	mgy		S1				wk							06/14/98	SS
M688141R	640836	7025427	114A	8	g		Ta	DMe	PHY	Vned	blk		S2				wk							06/14/98	SS
M688142R	640002	7024297	114A	8	c		Oc	DMe	PHY	Vned	mgy													07/27/98	SG/ET
M688641R	646539	7027458	114F	8	cg		Oc		mudstone		tan													07/27/98	SG/ET
M688642R	646494	7027499	114F	8	ch	1.0	Oc		QTZ	[illegible]			S4				mod	P	3					07/27/98	SG/ET
M688643R	646476	7027716	114F	8	cg		Oc		Flph	gouge			S1	A1			wk							06/24/98	GDM
M690153R	647741	7027693	114E	8	cg	1	Oc	DMe	SLT	mbd	gry		S2	A2			mod	P	10	As	tr			06/24/98	GDM
M690154R	647769	7027664	114E	8	cg	1	Oc	Kqm	GR	Si	wh		S3	A2			mod	P	tr					06/24/98	DGM
M690155R	647803	7027631	114E	8	g		Fl	Kqm	GR	Si	yl		S3	A3			wk	As	2	P	tr			06/24/98	GDM
M690156R	649493	7027366	114E	8	g		Oc	Kqm	GR	Si	gry		S3	A1			wk	As	3	P	5			06/24/98	GDM
M690157R	649540	7027351	114E	8	cg		Oc	Kqm	GR	Si	gry		S3	A3		Ph2	wk	As	tr	P	tr			06/24/98	GDM
M690158R	649872	7027232	114E	8	g		Oc	DMe	SLT	mbd	gry		S2	A1			wk			P	3			06/24/98	GDM
M690159R	650108	7027155	114E	8	g		Oc	Kqm	GR	Si	red		S2	A1		Ph2	wk	Hem	5					06/24/98	GDM
M690160R	650317	7026759	114E	8	g		Oc	Kqm	GR	Mass	org		S1	A2		Ph2	mod	Hem	3					06/24/98	GDM
M690161R	650480	7026860	114E	8	g		Oc	DMe	SLT	mbd	blk		S2				wk	P	5	As	1			06/24/98	GDM
P132362R	649400	7027495	114Z	8	c	1.5	Oc	OSDr	SLT	Fol	buff		S2	A2	K1	Ph1	mod	P	5					07/27/98	CS
P132363R	649429	7027503	114Z	8	c	0.8	Oc	Kqm	AQM	QFP	buff		S3	A1			mod	P	6					07/27/98	CS
P132364R	649458	7027511	114Z	8	cg		Oc	Kqm	AQM	QFP	white		S2	A3		Ph1	mod	P	2	Scor	tr			07/27/98	CS
P132365R	649446	7027534	114Z	8	c	0.6	Oc	OSDr	SLT	Vned	lgy		S2	A1				P	5					07/27/98	CS
P132366R	649492	7027265	114Z	8	c	2.0	Oc	Kqm	AQM	QFP	buff		S2	A3	K1	Ph2	mod	P	4	Scor	tr			07/27/98	CS
P132367R	649603	7027280	114Z	8	c	1.5	Oc	Kqm	AQM	QFP	buff		S2	A2	K1	Ph2	mod	P	4					07/27/98	CS
P132368R	649606	7027239	114Z	8	cg		Oc	Kqm	AQM	QFP	tan		S2	A1		Ph1	mod	P	3					07/27/98	CS
P132369R	649561	7027115	114Z	8	c	2.1	Oc	Kqm	AQM	Jted	wh		S2	A2	K2	Ph2	strg	P	8					07/27/98	CS
P132370R	649785	7026789	114Z	8	cg		Rb	Kqm	GR	fgm	lgy		S3		K1	Ph1	mod	P	4	Po	6			07/27/98	CS
P132371R	650740	7026920	114Z	8	cg		Ta	Kqm	QM	QFP	buff	C1	S3	A1		Ph1	wk	P	6					07/27/98	CS
P132372R	650770	7026990	114Z	8	c	1.5	Oc	Kqm	QM	QFP	buff		S3	A1		Ph2	mod	P	5	Po	3	As	tr	07/27/98	CS
P132373R	650910	7027490	114Z	8	c	1.5	Oc	OSDr	PHY	vned	gm		S2	A2		Ph1	mod	P	5					07/27/98	CS
P132374R	650930	7027550	114Z	8	c	1.5	Ta	OSDr	PHY	Fol	gm		S2	A2		Ph1	strg	P	8					07/27/98	CS
P132375R	650970	7027680	114Z	8	cg		Ta	OSDr	PHY	Fol	gm		S1	A1		Ph2	mod	P	2					07/27/98	CS
P132376R	650940	7028070	114Z	8	cg		Ta	OSDr	PHY	vned	gry		S2	A1										07/27/98	CS

094054

asamp	Au_ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Comments
M687183R	10	2	0.48	116	310	0.5	1	0.28	1.5	0	65	3	1.3	5	420	0.28	10	0.04	200	1	0.05	1	360	142	16	0	49	0	5	5	1	5	170	
M687184R	10	2.8	0.54	56	700	0.5	2	0	0.2	0	99	10	1.5	5	3810	0.31	10	0.06	25	0	0.04	3	230	32	28	0	29	0	5	5	2	5	92	sulphide staining
M687185R	30	14	0.19	116	670	0.2	2	0	0.2	0	148	18	1.41	5	870	0.09	10	0.01	15	0	0.07	4	110	48	64	0	26	0	5	5	7	5	32	
M687186R	2	0.6	0.92	318	320	1	1	0.18	0.2	6	52	20	1.99	5	10	0.27	10	0.09	415	2	0.02	27	320	20	6	0	23	0	5	5	1	5	56	Hornfels, beside QM sill
M687187R	20	1.4	0.51	78	260	0.5	1	0.07	1	1	76	4	1.46	5	380	0.25	10	0.05	35	1	0.01	3	160	30	6	0	10	0	5	5	1	5	122	
M687188R	10	1	1.26	12	390	0.2	1	2.35	1.5	12	59	127	9.84	5	40	0.14	5	3.14	10000	0	0.01	34	830	76	1	4	696	0	5	5	19	5	300	Hematite, Qtz veining
M687189R	2	1	1.54	88	110	0.2	1	1.36	0.2	13	104	160	10.85	5	10	0.2	5	1.06	10000	0	0.01	40	3930	6	1	5	238	0	5	5	25	5	70	Hematite
M687190R	15	1	0.37	364	380	0.5	1	0.59	2.5	0	70	22	0.84	5	840	0.2	10	0.03	165	0	0.05	1	170	198	38	0	62	0	5	5	0	5	228	Pyrite blebs
M687191R	2	0.4	0.55	114	490	1	1	0.29	0.5	2	58	64	0.9	5	40	0.2	10	0.08	325	0	0.03	4	170	72	1	0	33	0	5	5	0	5	94	
M687192R	2	0.2	0.58	58	570	0.5	1	0.28	0.2	1	60	5	0.77	5	40	0.24	10	0.04	485	0	0.05	2	150	60	4	0	55	0	5	5	0	5	58	Pyrite blebs
M688126R	2	0.1	0.14	2	1640	0.2	1	2.51	0.2	2	138	7	1.32	5	10	0.06	5	1.14	745	0	0	6	100	4	1	1	666	0	5	5	3	5	20	quartz veins
M688127R	2	4.8	0.61	18	1130	0.5	1	0.34	0.2	0	190	36	1.12	5	760	0.29	10	0.09	15	5	0	16	2840	8	4	3	355	0	5	5	172	5	20	quartz-graphite veins
M688128R	2	3.8	0.12	48	2660	0.2	1	0.01	0.2	0	254	19	0.57	5	250	0.05	5	0.01	15	5	0	5	500	2	18	0	55	0	5	5	34	5	14	quartz-graphite veins
M688129R	2	0.6	0.17	8	1140	0.2	1	0.29	0.2	0	191	68	0.38	5	580	0.05	5	0.01	10	16	0	12	1620	2	4	0	143	0.01	5	5	337	5	12	quartz-graphite veins
M688130R	2	0.4	2.86	108	3640	2	1	0.93	94	19	113	1010	5.98	5	290	0.01	5	0.05	900	118	0	620	4810	1	24	6	310	0.01	5	30	361	5	8160	quartz-graphite veins
M688131R	2	2.2	0.41	64	290	0.2	1	0.24	2	4	58	27	2.63	5	110	0.22	10	0.04	90	1	0.01	3	530	44	12	0	32	0	5	5	2	5	198	barite vein (?)
M688132R	2	9.6	0.19	28	630	0.2	14	0	0.2	0	152	9	0.84	5	1260	0.09	5	0.01	20	1	0	4	60	24	10	0	6	0	5	5	7	200	70	quartz-graphite veins
M688133R	2	3.8	0.42	30	800	0.2	8	0.01	0.2	0	66	3	0.96	5	140	0.2	10	0.02	5	0	0	1	260	72	8	0	14	0	5	5	0	5	52	quartz-graphite veins
M688134R	2	0.2	0.68	6	1380	0.2	1	0.01	0.2	2	59	57	0.84	5	10	0.16	10	0.22	150	0	0	6	150	2	2	1	14	0	5	5	13	5	16	quartz-graphite veins
M688135R	2	14.4	1.16	72	710	0.2	1	0.03	0.2	3	90	42	2.07	5	40	0.29	10	0.37	480	1	0.01	15	320	20	20	3	53	0	5	5	22	5	42	quartz-graphite veins
M688136R	2	0.2	1.2	76	10000	0.2	1	15	4	0	17	57	0.28	5	130	0.03	5	1.07	630	0	0	9	590	1	2	1	9520	0	5	10	61	5	160	quartz network
M688137R	15	6.4	0.18	72	2170	0.2	1	0.03	0.5	0	215	100	0.5	5	1490	0.06	5	0.01	10	7	0	7	460	2	38	0	100	0	5	5	90	5	28	quartz network
M688138R	2	3.2	1.16	60	9160	0.5	1	0.45	3	0	235	68	1.01	5	870	0.22	5	0.03	15	28	0	35	2750	8	14	3	232	0.06	5	5	903	5	144	quartz network
M688139R	2	1.4	0.52	40	5090	0.2	1	0.15	1.5	1	263	107	0.86	5	1870	0.09	5	0.01	25	11	0	39	1240	2	8	1	104	0.02	5	5	291	5	156	quartz network
M688140R	10	0.2	0.43	6	740	0.2	1	0.01	0.2	0	211	13	0.64	5	10	0.21	5	0.13	20	2	0	5	170	1	2	0	8	0	5	5	17	10	12	quartz network
M688141R	2	0.1	0.62	4	1450	0.2	1	0.04	0.5	4	161	15	1.13	5	20	0.15	5	0.25	80	1	0	21	90	1	1	1	16	0	5	5	5	5	144	quartz veins
M688142R	2	2.2	0.32	8	1760	0.2	1	0.01	1	0	196	14	0.42	5	4100	0.12	10	0.03	20	10	0	7	200	8	6	0	27	0	5	5	302	5	22	quartz veins
M688641R	2	0.1	0.62	10	8110	0.2	1	0.07	1	3	80	9	0.63	5	340	0.15	5	0.08	125	5	0.01	14	110	1	1	1	1780	0.01	5	5	98	5	66	baritic
M688642R	2	1.2	5.65	16	10000	7	1	0	4	0	161	26	1.93	5	440	0.66	10	0.07	25	1	0.04	23	100	2	1	4	93	0.02	5	5	126	5	28	siltstone wallrock
M688643R	2	0.8	0.7	84	230	0.2	1	0.43	0.5	5	158	45	1.4	5	30	0.29	10	0.26	105	4	0.03	15	240	20	4	2	32	0	5	5	7	5	66	major fault zone, arsenical P
M690153R	35	1.4	2.18	52	540	0.2	1	0.02	0.2	0	95	46	8.94	5	20	0.27	10	0.13	30	1	0.03	14	690	38	4	3	83	0	5	5	64	5	48	
M690154R	2	0.1	0.61	42	1520	0.2	1	0	0.2	0	45	22	4.15	5	120	0.24	10	0.01	15	0	0	0	300	42	6	0	32	0	5	5	4	5	8	Boxwork
M690155R	5	0.2	0.41	98	280	0.2	1	0.03	0.2	0	112	5	0.92	5	130	0.14	10	0	15	0	0	5	290	30	2	0	54	0	5	5	0	5	2	in creek
M690156R	2	0.2	0.34	80	330	0.2	1	0.26	0.5	0	65	6	0.92	5	40	0.18	10	0.02	60	0	0.03	1	150	28	1	0	12	0	5	5	0	5	92	
M690157R	2	0.2	0.33	34	210	0.5	1	0.41	0.5	0	54	3	0.83	5	10	0.15	5	0.04	60	0	0.03	1	120	26	2	0	31	0	5	5	0	5	56	hornfelsing
M690158R	2	0.2	0.55	6	400	0.2	1	0	0.2	0	109	21	1.74	5	5	0.06	10	0.29	20	0	0	7	180	1	1	0	7	0	5	5	16	5	16	
M690159R	2	0.1	0.22	32	120	0.2	1	0.01	0.2	0	110	6	0.73	5	5	0.11	5	0	20	0	0.04	1	80	20	2	0	4	0	5	5	0	5	8	
M690160R	2	0.4	0.75	10	520	0.2	1	0.15	0.2	1	89	13	2.3	5	5	0.27	10	0.51	65	3	0.04	1	480	8	1	5	21	0.07	5	5	21	5	14	
M690161R	2	0.2	1.5	1	70	0.2	1	0.05	0.2	14	119	143	3.63	5	5	0.44	10	0.81	120	11	0.02	83	240	4	1	2	7	0.01	5	5	38	5	48	
P132362R	2	4.4	0.86	72	320	0.2	1	0.09	0.2	3	45	36	2.71	5	50	0.34	10	0.36	245	1	0	16	480	24	1	3	26	0	5	5	17	5	70	Thin-med bedding, dissem Py
P132363R	10	1.8	0.4	104	180	0.5	10	0.13	0.5	0	79	12	1.06	5	570	0.24	5	0.01	45	0	0.04	2	120	40	1	0	25	0	5	5	1	5	78	F.G. dissem. Pyrite
P132364R	2	0.8	0.37	54	410	0.5	2	0.03	0.2	0	49	8	1.28	5	10	0.23	10	0.02	45	1	0.05	1	190	26	1	0	15	0	5	5	1	5	30	More weather + arg. alt - mod sulph
P132365R	5	1.2	2.26	80	460	0.2	1	0.29	0.2	1	165	43	2.86	5	10	0.26	5	1.46	685	0	0.03	11	360	2	1	5	68	0.02	5	5	52	5	24	Vein brecc. + stwk; P al veins
P132366R	5	4.6	0.4	38	930	0.2	32	0	0.2	0	91	21	1.75	5	510	0.24	5	0.01	20	0	0	1	100	40	1	0	18	0	5	5	0	5	134	Local stringer, dissem Py, tr. scor
P132367R	5	1.4	0.44	36	290	0.2	32	0.01	2	0	98	19	1.94	5	800	0.33	5	0.01	10	0	0.02	1	120	14	1	0	9	0	5	5	0	110	280	Loc. strong Py with Ph, sil alt
P132368R	5	1.2	0.37	38	330	0.2	24	0	0.5	0	88	12	1.31	5	780	0.3	5	0	10	1	0.01	3	80	10	2	0	5	0	5	5	0	60	118	C.Grab; various alteration states
P132369R	5	1.8	0.46	88	170	0.2	14	0	1.5	0	126	40	2.93	5	100	0.32	5	0	10	1	0.02	1	100	6	2	0	6	0	5	5	0	40	194	Dissem. P, mod. perv. limonite
P132370R	2	0.6	1.51	26	590	0.5	1	0.01	1.5	10	98	146	2.35	5	30	0.54	10	0.57	120	2	0.01	29	110	2	4	5	12	0.01	5	5	44	5	82	F.g. dissem Pyrite
P132371R	5	0.6	0.42	50	340	0.5	1	0.54	2	2	84	36	0.92	5	850	0.21	10	0.04	140	1	0.04	15	150	24	12	0	41	0	5	5	1	5	144	Disem med-f.gr Pyrite
P132372R	2	0.2	0.96	46	330	0.5	1	0.1	0.2	4	157	79	1.91	5	20	0.41	10	0.44	75	5	0.01	23	240	2	2	2	11	0.01	5	5	28	5	34	Fine - med gr P, As, f.g. Po
P132373R	20	4.2	0.92	108	380	0.2	1	0	0.2	3	114	130	2.64	10	30	0.16	20	0.36	100	1	0.02	8	280	10	6	1	19	0	5	5	18	5	62	Qz veins + Py
P132374R	10	0.2	1.27	1330	510	0.2	1	0.01	0.2	2	84	82	3.04	5	70	0.12	5	0.65	485	0	0.01	11	360	34	12	3	20	0	5	5	23	5	50	Fine, folioform Qvns, dissem Py
P132375R	10	0.8	1.35	50	250	0.2	1	0.01	0.2	5	86	90	2.25	5	5	0.18	10	0.7	305	0	0	21	120	6	1	2	16	0	5	5	23	5	34	Fine sheeted Qz veins + Py
P132376R	35	3.8	0.32	16	1240	0.2	1	0	0.2	0	81	5	0.33	5	60	0.15	5	0.02	5	4	0	1	30	8	2	1	13	0	5	5	13	5	1	Qz-graph. vein, removes lim. alt

094054

APPENDIX 3

SOIL ASSAY RESULTS

Sample	X_Coord	Y_Coord	Zone	Horizon	Depth_cm	Slope_Ang	Colour	Permafrost	Cse_Frags	Vegetation	Surf_Geol	Frag_Lith	Organics	Date	Name
114A 0000	641563	7026438	8	B	8	mod	grybm	No	40	de				06/14/98	MM
114A 0100	641510	7026354	8	B	10	mod	gry		60	bb				06/14/98	MM
114A 0200	641450	7026264	8	B	10	mod	gry		50	bb				06/14/98	MM
114A 0300	641393	7026173	8	B	10	mod	grybm		20	bb				06/14/98	MM
114A 0400	641339	7026092	8	B	12	gen	gry		20	de				06/14/98	MM
114A 0500	641278	7026011	8	B	10	mod	grybm		20	bb				06/14/98	MM
114A 0600	641229	7025931	8	B	12	mod	gry		30	bb				06/14/98	MM
114A 0700	641172	7025845	8	B	10	mod	grybm		30	bb				06/14/98	MM
114A 0800	641117	7025762	8	B	16	mod	gry		30	bb				06/14/98	MM
114A 0950	641052	7025684	8	B	10	mod	brn		40	bb				06/14/98	MM
114A 1050	641003	7025609	8	B	10	mod	gry		30	bb				06/14/98	MM
114A 1150	640942	7025515	8	B	8	mod	grybm		30	bb				06/14/98	MM
114A 1250	640886	7025435	8	B	6	mod	grybm		10	bb				06/14/98	MM
114A 1350	640833	7025357	8	B	6	mod	brn		20	de				06/14/98	MM
114A 1450	640761	7025259	8	B	10	mod	gry		20	bb				06/14/98	MM
114A 1550	640679	7025135	8	B	10	mod	brn		30	bb				06/14/98	MM
114A 1650	640610	7025035	8	B	10	mod	grybm		20	bb				06/14/98	MM
114A 1750	640543	7024938	8	B	10	mod	brn		20	de				06/14/98	MM
114A 1850	640470	7024821	8	B	5	mod	grybm		10	bb				06/14/98	MM
114A 2100	640322	7024600	8	B	10	mod	gry		40	bb				06/14/98	MM
114C 0000	649354	7027436	8	B	8	rt	brn	No	35	bb	Cv	slt		04/06/98	CT
114C 0100	649318	7027513	8	B/C	10	st	brn	no	55		Cv	slt		04/06/98	CT
114C 0200	649295	7027605	8	B/C	5	st	brn	no	55		Cv	slt,sh		04/06/98	CT
114C 0300	649265	7027709	8	B	10	mod	brn	no	55	cf	Ti			04/06/98	CT
114C 0400	649239	7027808	8	B	12	mod	brn	no	30	cf	Cv	slt		04/06/98	CT
114C 0500	649210	7027905	8	B	10	mod	brn	no	5	cf	Cv	phyllite		04/06/98	CT
114C 0600	649174	7028015	8	B	10	mod	brn	no	15	cf	Cv	slt,qtz		04/06/98	CT
114C 0700	649145	7028107	8	B	10	mod	brn	no	25	cf	Cv	slt,qtz		04/06/98	CT
114C 0800	649123	7028188	8	B	17	mod	brn	no	25	cf	Ti	ch/qtz,ss		04/06/98	CT
114C 0900	649093	7028285	8	B	20	mod	brn	no	25	cf	Cv	phyllite		04/06/98	CT
114C 1000	649073	7028371	8	B	20	sl	brn	no	0	cf	Cv			04/06/98	CT
114C 1400	648969	7028711	8	B	20	sl	gry	no	50	cf	Ti	ch		04/06/98	CT
114C 2800	647807	7029306	8	B/C	5	sl	brn	no	50	burn	Cv	slt,sh		04/06/98	CT
114C 2900	647852	7029394	8	B	10	sl	brn	no	35	burn	Cv	shale		04/06/98	CT
114C 3000	647916	7029474	8	B	10	sl	brn	no	50	burn	Cv	shale		04/06/98	CT
114C 3100	647965	7029567	8	B	10	sl	brn	no	40	burn	Ti	ch,sh		04/06/98	CT
114C 3300	648065	7029743	8	B	10	sl	gry		25	cf	Ti	slt		04/06/98	CT
114C 3500	648169	7029922	8	B	20	sl	gry	yes	40	cf	Ti			04/06/98	CT
114C 3700	648273	7030092	8	B	20	sl	gry	yes		cf	Ti	ch		04/06/98	CT
114C 3800	648329	7030167	8	B	20	sl	or	no	10	cf	Ti			04/06/98	CT
114C 3900	648362	7030267	8	B	20	sl	or	no	5	cf	Cv	sh		04/06/98	CT
114C 4000	648410	7030351	8	B	20	sl	brn	no	20	cf	Ti			04/06/98	CT
114C 4100	648464	7030435	8	B	20	sl	gry	no	40	cf	Ti			04/06/98	CT
114D 0000	647120	7024958	8	B	5	mod	brn	No	40	de			0	12/06/98	MM
114D 0100	647218	7025025	8	B	8	mod	grybm	No	50	de			0	12/06/98	MM
114D 0200	647299	7025071	8	B	8	mod	gry	No	40	de			0	12/06/98	MM
114D 0300	647393	7025130	8	B	8	mod	gry	No	40	de			0	12/06/98	MM
114D 0400	647468	7025188	8	B	10	mod	gry	No	30	de			0	12/06/98	MM
114D 0500	647549	7025251	8	B	8	mod	gry	No	40	de			0	12/06/98	MM
114D 0600	647629	7025301	8	B	8	mod	gry	No	30	de			0	12/06/98	MM
114D 0700	647720	7025361	8	B	8	mod	gry	No	30	de			0	12/06/98	MM
114D 0800	647807	7025414	8	B	12	mod	gry	No	40	de			0	12/06/98	MM
114D 0900	647888	7025468	8	B	8	gen	gry	No	10	de			0	12/06/98	MM

094054

Sample	X_Coord	Y_Coord	Zone	Horizon	Depth_cm	Slope_Ang	Colour	Permafrost	Cse_Frags	Vegetation	Surf_Geol	Frag_Lith	Organics	Date	Name
114D 1000	647973	7025530	8	B	8	gen	gry	No	50	de			0	12/06/98	MM
114D 1100	648064	7025594	8	B	10	mod	gry	No	50	de			0	12/06/98	MM
114D 1200	648154	7025649	8	B	10	mod	gry	No	40	de			0	12/06/98	MM
114D 1300	648252	7025715	8	B	8	mod	gry	No	40	de			0	12/06/98	MM
114D 1400	648213	7025826	8	B	8	mod	gry	No	30	de			0	12/06/98	MM
114D 1500	648166	7025923	8	B	10	mod	gry	No	40	de			0	12/06/98	MM
114D 1600	648122	7026020	8	B	20	mod	gry	Yes	10	nv			0	12/06/98	MM
114D 1700	648083	7026118	8	B	20	mod	grybm	No	30	nv			0	12/06/98	MM
114D 1800	648033	7026262	8	B	20	mod	gry	No	40	nv			0	12/06/98	MM
114D 1900	647976	7026404	8	B	10	mod	gry	No	30	nv			0	12/06/98	MM
114D 2000	647928	7026527	8	B	15	mod	gry	No	30	de			0	12/06/98	MM
114D 2100	647882	7026668	8	B	10	mod	gry	No	10	de			0	12/06/98	MM
114D 2200	647963	7026812	8	B	10	mod	brn	No	10	bb			0	12/06/98	MM
114D 2300	648019	7026910	8	B	12	mod	gry	No	40	bb			0	12/06/98	MM
114D 2400	648080	7027013	8	B	8	mod	grybm	No	40	bb			0	12/06/98	MM
114D 2500	648135	7027118	8	B	10	mod	gry	No	40	de			0	12/06/98	MM
114D 2600	648203	7027244	8	B	10	mod	grybm	No	30	nv			0	12/06/98	MM
114D 2700	648268	7027341	8	B	10	mod	brn	No	50	nv			0	12/06/98	MM
114D 2850	648313	7027429	8	B	10	mod	brn	No	50	nv			0	12/06/98	MM
114E 0000	649365	7027323	8	B	15	fl	brn		0	scf	Cv			06/24/98	GDM
114F 1300	646485	7027663	8	Go		st	gry		20	nv	Go	Ph		07/27/98	SG

Bourya
Soil Sample Description and Assays

asamp	Au_ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn	Comments
114A 0000	10	0.2	0.42	4	90	0.2	1	0.01	0.2	5	8	38	3.28	5	30	0.03	5	0.03	70	1	0.01	20	570	12	1	0	5	0	5	5	25	5	78	Poor Sample
114A 0100	10	1	0.41	26	250	0.2	1	0.01	0.2	9	5	30	3.18	5	140	0.08	5	0.01	70	2	0.01	30	570	26	1	1	21	0	5	5	21	5	126	Fair Sample
114A 0200	15	1.4	0.35	26	160	0.2	1	0.01	0.2	2	9	39	2.27	5	50	0.03	5	0.01	25	4	0.01	9	370	8	1	0	7	0	5	5	38	5	48	Good Sample
114A 0300	5	1.4	0.86	32	2120	0.2	1	0.14	1.5	6	22	62	2.41	5	310	0.09	10	0.14	105	7	0	34	1340	12	4	3	68	0	5	5	91	5	188	Good Sample
114A 0400	30	1.8	0.66	40	1500	0.2	1	0.07	1.5	14	9	47	5.51	5	320	0.04	5	0.06	460	6	0	47	700	10	2	2	53	0	5	5	25	5	194	Fair Sample
114A 0500	2	0.4	0.48	32	170	0.2	1	0.01	0.2	4	10	27	2.64	5	10	0.03	5	0.03	65	3	0	15	500	10	1	0	8	0.01	5	5	58	5	68	Fair Sample
114A 0600	2	1.4	0.68	6	300	0.2	1	0.09	0.5	4	7	81	1.42	5	100	0.04	5	0.04	30	1	0.02	26	500	22	1	1	28	0	5	5	20	5	60	Fair Sample
114A 0700	2	0.6	0.81	100	110	0.2	1	0.01	0.2	3	9	20	1.89	5	10	0.03	5	0.03	35	1	0.01	7	220	6	1	0	5	0.01	5	5	46	5	30	Fair Sample
114A 0800	2	0.8	0.62	30	200	0.2	1	0.09	0.2	3	18	43	3.77	5	50	0.05	5	0.1	135	5	0.01	16	1590	22	1	1	35	0	5	5	53	5	80	Fair Sample
114A 0950	2	0.8	0.6	20	180	0.2	1	0.01	0.2	3	11	12	1.72	5	10	0.04	10	0.06	145	3	0	8	520	16	1	0	22	0.01	5	5	55	5	36	Fair Sample
114A 1050	2	1.8	0.53	14	550	0.2	1	0.03	0.2	3	9	24	1.43	5	80	0.04	10	0.04	60	4	0.01	12	890	10	1	0	24	0	5	5	45	5	60	Good Sample
114A 1150	2	1	0.92	16	820	0.2	1	0.05	0.5	4	15	20	2.19	5	120	0.06	10	0.1	100	5	0	15	800	12	2	1	30	0.01	5	5	68	5	80	Fair Sample
114A 1250	20	1	0.79	30	1790	0.2	1	0.13	1.5	7	17	52	2.63	5	190	0.1	10	0.16	265	7	0	33	1270	12	1	3	75	0	5	5	55	5	182	Fair Sample
114A 1350	10	1.2	0.45	18	210	0.2	1	0.04	0.2	2	14	20	1.81	5	60	0.05	10	0.05	80	7	0.01	18	1410	8	2	0	30	0	5	5	83	5	102	Fair Sample
114A 1450	2	0.6	0.47	18	180	0.2	1	0.01	0.2	3	11	14	1.48	5	40	0.04	10	0.03	75	6	0.01	13	760	10	2	0	19	0.01	5	5	70	5	74	Fair Sample
114A 1550	10	0.8	0.58	28	270	0.2	1	0.05	0.2	4	13	21	2.77	5	50	0.05	10	0.05	120	6	0.01	18	1680	14	1	1	19	0.01	5	5	79	5	96	Good Sample
114A 1650	10	0.6	0.88	26	2060	0.2	1	0.13	1	8	17	42	2.23	5	200	0.09	10	0.18	330	6	0	34	940	10	2	2	58	0	5	5	51	5	168	Good Sample
114A 1750	10	1.6	1.5	28	310	0.5	1	0.09	0.2	7	25	44	3.17	5	300	0.07	10	0.23	220	8	0	33	990	16	2	3	43	0.01	5	5	72	5	186	Good Sample
114A 1850	10	0.8	1.26	32	2020	0.5	1	0.12	1	12	22	67	2.59	5	450	0.16	10	0.2	360	8	0	54	1090	12	4	4	68	0	5	5	76	5	250	Fair Sample
114A 2100	10	0.8	0.99	20	810	0.5	1	0.49	0.5	7	15	56	2.66	5	230	0.11	10	0.24	475	5	0.01	35	1320	12	1	3	82	0	5	5	47	5	184	Fair Sample
114C 0000	2	0.6	1.12	54	240	0.2	1	0.02	0.2	4	18	36	4.07	5	50	0.06	10	0.1	130	3	0	17	520	12	1	1	8	0	5	5	81	5	82	
114C 0100	15	2	1.57	48	510	0.2	1	0.04	0.2	13	29	237	4.31	5	190	0.08	10	0.26	1390	3	0	21	1230	18	2	1	13	0.01	5	5	44	5	94	
114C 0200	25	1	1.42	48	880	0.2	1	0.07	0.2	22	40	328	4.4	5	150	0.06	10	0.34	1010	1	0	38	1250	18	1	2	13	0	5	5	34	5	166	
114C 0300	2	0.1	1.19	40	140	0.2	1	0.04	0.2	4	25	328	3.06	5	30	0.03	10	0.13	120	4	0	12	290	20	1	1	8	0.01	5	5	69	5	56	
114C 0400	5	0.2	1.07	22	240	0.5	1	0.03	0.2	2	17	469	1.89	5	30	0.02	10	0.08	55	3	0	7	510	14	1	1	8	0	5	5	27	5	28	
114C 0500	2	0.6	0.33	1	110	0.2	1	0.05	0.2	1	5	110	0.58	5	40	0.01	5	0.02	30	0	0.01	4	430	2	1	0	9	0	5	5	11	5	12	
114C 0600	10	0.1	0.81	20	150	0.2	1	0.01	0.2	1	14	17	1.53	5	5	0.03	10	0.13	70	1	0.01	7	190	2	1	0	5	0	5	5	36	5	28	
114C 0700	2	0.6	1	38	290	0.2	1	0.01	0.2	3	9	20	1.89	5	10	0.04	20	0.04	95	1	0.01	11	240	2	1	1	6	0	5	5	47	5	36	
114C 0800	2	0.2	0.45	1	140	0.2	1	0.01	0.2	1	6	13	0.63	5	10	0.03	5	0.02	30	1	0.03	3	150	2	1	0	6	0.01	5	5	26	5	14	
114C 0900	5	0.2	0.87	8	1780	0.2	1	0.04	0.5	2	10	66	0.96	5	5	0.06	30	0.16	90	2	0	9	170	2	1	1	39	0	5	5	34	5	44	
114C 1000	15	1.2	1.32	10	1050	0.5	1	0.47	0.5	5	14	227	2.11	5	280	0.1	5	0.17	120	1	0.01	69	960	6	1	4	111	0	5	5	33	5	200	no rock
114C 1400	10	1	1.1	20	330	0.2	1	0.24	0.2	19	27	107	3.87	5	190	0.07	5	0.27	1460	4	0.01	18	950	10	1	2	42	0.01	5	5	49	5	114	
114C 2800	2	0.2	0.5	8	170	0.2	1	0.01	0.2	1	8	27	1.83	5	5	0.03	10	0.03	70	4	0	6	320	6	2	0	7	0.01	5	5	46	5	34	
114C 2900	2	0.2	2.25	8	1070	0.2	1	0.07	0.2	11	32	9	3.61	5	5	0.05	10	0.27	230	1	0	19	210	20	1	2	13	0.03	5	5	76	5	206	
114C 3000	2	0.1	0.3	6	230	0.2	1	0.08	0.2	0	4	6	0.45	5	10	0.03	5	0.02	50	0	0.04	1	330	1	1	0	13	0	5	5	13	5	10	
114C 3100	2	0.2	1.63	16	660	0.2	1	0.04	0.2	5	20	15	2.97	5	10	0.05	10	0.13	120	19	0	11	160	10	1	1	10	0.01	5	5	51	5	64	
114C 3300	5	0.2	1.33	20	390	0.2	1	0.13	0.2	5	25	28	3.31	5	60	0.07	5	0.34	190	4	0	32	1100	8	1	2	30	0	5	5	57	5	108	
114C 3500	2	0.4	0.77	20	1050	0.2	1	0.14	0.2	6	15	35	2.5	5	120	0.06	5	0.18	130	3	0	23	840	10	1	2	42	0	5	5	39	5	100	
114C 3700	2	0.1	0.87	20	410	0.2	1	0.04	0.2	3	12	14	1.83	5	30	0.05	5	0.08	100	5	0	13	580	6	1	1	13	0	5	5	66	5	66	
114C 3800	2	1.2	2.34	46	310	0.5	2	0.05	0.5	8	40	22	6.22	5	50	0.09	10	0.31	240	10	0	32	3600	26	1	3	15	0	5	5	170	5	198	
114C 3900	2	0.6	0.96	16	200	0.2	1	0.02	0.2	3	14	14	1.84	5	40	0.07	10	0.09	70	6	0	13	1020	10	1	0	9	0	5	5	97	5	90	
114C 4000	5	1	2.51	38	220	0.5	1	0.12	0.5	11	34	35	4.43	5	130	0.06	10	0.3	240	12	0	46	2010	20	2	3	19	0	5	5	108	5	242	
114C 4100	2	0.8	1.4	10	850	0.5	1	0.5	2	11	25	40	2.44	5	270	0.08	10	0.39	290	6	0	51	890	10	2	4	48	0	5	5	66	5	268	
114D 0000	2	0.1	1.17	22	140	0.2	1	0.18	0.2	4	22	29	1.93	5	5	0.09	20	0.27	90	0	0	14	550	8	1	3	21	0.07	5	5	58	5	56	Fair Sample
114D 0100	2	0.2	1.43	54	160	0.2	2	0.14	0.2	7	30	41	2.75	5	60	0.15	10	0.34	260	2	0	23	760	12	1	3	19	0.06	5	5	71	5	92	Fair Sample
114D 0200	5	1.2	1.83	36	1940	0.5	1	0.28	0.5	11	25	60	3.69	5	270	0.1	5	0.33	320	6	0	44	990	16	1	4	69	0	5	5	73	5	158	Fair Sample
114D 0300	15	0.8	0.77	60	990	0.2	1	0.1	4.5	8	15	74	3.51	5	360	0.12	10	0.14	240	34	0	64	930	12	10	2	60	0	5	5	134	5	558	Fair Sample
114D 0400	5	1.2	1.28	62	1450	0.5	1	0.14	3.5	10	24	69	2.98	5	370	0.09	10	0.28	455	21	0	60	1100	16	4	2	45	0	5	5	116	5	416	Fair Sample
114D 0500	2	0.8	1.1	32	320	0.2	1	0.07	0.2	4	20	37	2.54	5	120	0.09	5	0.18	75	7	0.01	19	1350	10	2	0	46	0	5	5	50	5	92	Fair Sample
114D 0600	2	0.8	0.86	30	440	0.2	1	0.03	1	3	21	61	2.21	5	170	0.06	5	0.06	65	12	0.02	25	1120	8	2	0	17	0	5	5	96	5	164	Fair Sample
114D 0700	2	2.8	1.55	62	280	0.2	1	0.15	0.5	4	44	37	4.06	5	560	0.08	5	0.16	155	9	0	22	2410	12	6	1	43	0	5	5	160	5	94	Fair Sample
114D 0800	2	1.8	1.05	42	450	0.2	1	0.08	1.5	3	40	43	2.14	5	540	0.06	5	0.07	80	15	0.01	18	2240	12	2	0	33	0	5	5	159	5	70	Fair Sample
114D 0900	2	4	0.93	22	220	0.2	1	0.08	4.5	1	32	87	0.98	5	940	0.05	5	0.07	25	10	0.01	31	2410	2	2	0	18	0	5	10	59	5	56	Fair Sample

094054

Bourya
Soil Sample Description and Assays

asamp	Au_ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn	Comments
114D 1000	20	7.4	1.21	172	1470	0.5	1	0.77	3	2	81	131	2.67	5	1040	0.15	10	0.06	55	43	0	33	7140	44	32	0	740	0	5	10	478	5	242	Fair Sample
114D 1100	2	1.8	1.01	32	1140	0.2	1	0.09	3	1	23	122	1.22	5	550	0.07	5	0.05	35	11	0.01	28	1960	10	14	0	69	0	5	5	76	5	74	Good Sample
114D 1200	2	0.6	0.6	50	910	0.2	1	0.08	1.5	2	15	31	2.01	5	90	0.06	5	0.03	60	21	0.01	42	1330	18	2	0	34	0	5	5	129	5	452	Fair Sample
114D 1300	2	2.4	1.49	18	1460	0.2	1	0.11	8	3	20	186	1.51	5	150	0.06	10	0.15	80	4	0.01	29	2030	6	1	0	29	0	5	5	52	5	168	Fair Sample
114D 1400	2	1.6	0.96	16	820	0.2	1	0.06	2	1	13	23	1.03	5	100	0.04	10	0.05	20	5	0	9	1100	6	1	0	21	0	5	5	36	5	38	Fair Sample
114D 1500	2	0.6	1.09	20	290	0.2	1	0.03	0.2	3	18	18	2.37	5	40	0.04	10	0.09	85	5	0	10	640	10	1	1	16	0.01	5	5	75	5	68	Good Sample
114D 1600	2	2.8	0.97	24	1540	0.2	1	0.05	1.5	2	16	81	1.53	5	430	0.06	10	0.1	40	6	0.01	14	1210	2	1	0	31	0	5	5	54	5	54	Fair Sample
114D 1700	2	0.6	0.58	54	1870	0.2	1	0.03	0.5	3	14	37	2.76	5	50	0.05	5	0.05	65	9	0.01	16	1160	20	2	0	31	0.01	5	5	97	5	72	Fair Sample
114D 1800	2	2.8	1.83	44	530	0.5	1	0.04	0.5	5	31	45	4.26	5	310	0.13	10	0.22	200	10	0.01	26	1250	16	1	2	30	0	5	5	100	5	160	Fair Sample
114D 1900	10	0.8	1.45	44	1100	0.5	1	0.19	1.5	12	25	76	3.13	5	310	0.19	10	0.25	300	10	0.01	42	1710	14	2	5	57	0	5	5	106	5	214	Fair Sample
114D 2000	2	1	1.11	40	650	0.2	1	0.08	1.5	4	19	53	2.75	5	230	0.08	10	0.12	135	7	0.01	25	2070	10	2	1	28	0	5	5	71	5	128	Good Sample
114D 2100	2	3.6	1.92	34	1380	0.5	1	0.34	4	5	25	92	2.69	5	930	0.19	10	0.25	125	7	0.01	49	1470	12	1	4	51	0	5	5	73	10	228	Good Sample
114D 2200	2	1	1.28	42	810	0.2	1	0.01	0.5	3	24	28	5.17	5	90	0.13	10	0.09	65	8	0.01	17	1240	14	1	2	29	0	5	5	90	5	94	Good Sample
114D 2300	2	4.6	0.53	20	750	0.2	1	0.05	0.2	1	21	10	1.42	5	150	0.14	10	0.14	20	26	0	4	1130	34	2	0	34	0	5	5	105	5	58	Good Sample
114D 2400	2	0.4	0.71	22	190	0.2	1	0.03	0.2	3	14	9	1.86	5	30	0.06	5	0.07	75	4	0.01	9	1120	12	1	0	12	0	5	5	66	5	48	Fair Sample
114D 2500	2	0.6	0.34	10	210	0.2	1	0.01	0.2	2	9	15	0.96	5	40	0.04	10	0.03	30	5	0.01	9	340	14	2	0	11	0	5	5	54	5	44	Good Sample
114D 2600	2	3.4	0.83	22	160	0.2	1	0.01	0.2	1	18	16	5.7	5	10	0.04	5	0.37	75	4	0.01	6	1020	28	4	0	11	0.03	5	5	102	5	62	Fair Sample
114D 2700	2	1.8	0.48	34	210	0.2	8	0.02	0.2	1	7	34	2.63	5	40	0.07	5	0.06	25	4	0.03	4	510	16	2	0	10	0.02	5	5	45	5	20	Fair Sample
114D 2850	2	0.6	0.66	36	180	0.2	1	0.01	0.2	1	11	17	3.43	5	40	0.04	10	0.13	65	3	0	8	760	22	2	1	11	0.03	5	5	67	5	94	Good Sample
114E 0000	2	3.2	1.54	24	330	0.2	1	0.08	0.2	2	23	46	1.81	5	110	0.05	10	0.19	45	2	0	12	1060	20	1	0	14	0.01	5	5	45	5	36	near sill, recessive
114F 1300	10	0.8	1.1	58	960	0.5	1	0.02	0.2	5	19	68	3.37	5	110	0.16	10	0.21	100	4	0	29	640	24	2	4	39	0	5	5	36	5	120	Fault gouge

APPENDIX 4

SILT ASSAYS

Bourya
Silt Sample Description and Assays

Sample_No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
M685814T	648059	7026146	114D	8	60	grey	12/06/98	M.M.
M685815T	648025	7026214	114D	8	60	grey	12/06/98	M.M.
M685816T	648020	7026300	114D	8	60	grey	12/06/98	M.M.
M685817T	647975	7026321	114D	8	60	grey	12/06/98	M.M.
M685818T	641310	7026068	114A	8	50	gry	06/14/98	MM
M685819T	640827	7025377	114A	8	60	gry	06/14/98	MM
M685820T	640253	7024543	114A	8	60	gry	06/14/98	MM
M685821T	640067	7024313	114A	8	60	gry	06/14/98	MM
M685822T	640057	7024057	114A	8	50	or	06/14/98	MM
M685823T	640055	7023788	114A	8	50	gry	06/14/98	MM
M685824T	640021	7023462	114A	8	50	gry	06/14/98	MM
M685825T	640112	7023197	114A	8	60	gry	06/14/98	MM
M685826T	640144	7023026	114A	8	60	gry	06/14/98	MM
M685827T	640110	7023011	114A	8	60	grybm	06/14/98	MM
M685828T	640205	7022844	114A	8	60	gry	06/14/98	MM
M685891T	648680	7028749	114C	8	100	bm	06/14/98	CT
M685892T	648740	7028848	114C	8	100	bm	06/14/98	CT
M685893T	648566	7028924	114C	8	90	bm	06/14/98	CT
M685894T	648418	7029101	114C	8	80	bm	06/14/98	CT
M685895T	648201	7029127	114C	8	60	bm	06/14/98	CT
M685896T	647874	7029196	114C	8	20	bm	06/14/98	CT
M686460T	647072	7026537	114F	8	50	grybm	07/27/98	SG/ET
M686461T	647113	7026592	114F	8	80	bm	07/27/98	SG/ET
M686462T	646991	7026687	114F	8	65	bm	07/27/98	SG/ET
M686463T	646929	7026836	114F	8	60	bm	07/27/98	SG/ET
M686464T	646882	7026833	114F	8	60	red bm	07/27/98	SG/ET
M686465T	646839	7026867	114F	8	80	bm	07/27/98	SG/ET
M686466T	646801	7027001	114F	8	80	or	07/27/98	SG/ET
M686467T	646805	7027062	114F	8	75	bm	07/27/98	SG/ET
M686468T	646694	7027134	114F	8	90	bm	07/27/98	SG/ET
M686469T	646665	7027239	114F	8	60	dgry	07/27/98	SG/ET
M686470T	646598	7027276	114F	8	80	bm	07/27/98	SG/ET
M686471T	646639	7027322	114F	8	90	grybm	07/27/98	SG/ET
M686472T	646529	7027318	114F	8	90	gry	07/27/98	SG/ET
M686473T	646541	7027403	114F	8	45	grybm	07/27/98	SG/ET
M686474T	646582	7027438	114F	8	80	grybm	07/27/98	SG/ET
M686475T	646487	7027573	114F	8	90	bm	07/27/98	SG/ET
M686476T	646447	7027738	114F	8	80	bm	07/27/98	SG/ET
M686477T	646385	7027850	114F	8	90	bm	07/27/98	SG/ET
M686478T	646327	7027877	114F	8	40	bm	07/27/98	SG/ET
M686479T	646282	7027953	114F	8	85	gry	07/27/98	SG/ET
M686480T	646333	7027968	114F	8	60	tan	07/27/98	SG/ET
M686481T	646503	7028034	114F	8	90	tan	07/27/98	SG/ET
M686482T	646543	7028042	114F	8	90	tan	07/27/98	SG/ET
M686483T	646615	7028053	114F	8	90	gry	07/27/98	SG/ET
M686484T	646669	7028056	114F	8	60	tan	07/27/98	SG/ET
M686485T	646718	7028082	114F	8	70	bm	07/27/98	SG/ET
M686486T	646967	7028127	114F	8	85	tan	07/27/98	SG/ET
M686487T	647341	7028184	114F	8	60	bm	07/27/98	SG/ET
M686488T	647405	7028243	114F	8	80	dbm	07/27/98	SG/ET
M686489T	647369	7028031	114F	8	75	bm	07/27/98	SG/ET
M686490T	647331	7028059	114F	8	65	bm	07/27/98	SG/ET
M686491T	647323	7027945	114F	8	75	bm	07/27/98	SG/ET
M686492T	647371	7027923	114F	8	90	bm	07/27/98	SG/ET
M686493T	647414	7027847	114F	8	60	bm	07/27/98	SG/ET
M686494T	647387	7027758	114F	8	40	bm	07/27/98	SG/ET
M686973T	648143	7027830	114C	8	30	bm	06/14/98	GDM
M686974T	649472	7027815	114X	8	50	bm	06/16/98	GDM
M686975T	649610	7027905	114X	8	50	bm	06/16/98	GDM

094054

Bourya
Silt Sample Description and Assays

Sample_No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
M686978T	647712	7027733	114E	8	20	blk	06/24/98	GDM
M686979T	650127	7026933	114E	8	70	brn	06/24/98	GDM
M686980T	650800	7027090	114E	8	80	gry	06/24/98	GDM
M687394T	649196	7026711	114Z	8	10	brn	07/27/98	SE
M687395T	649478	7026724	114Z	8	30	brn	07/27/98	SE
M687396T	649701	7026898	114Z	8	50	brn	07/27/98	SE
M687397T	649710	7026715	114Z	8	50	brn	07/27/98	SE
M687398T	649906	7026797	114Z	8	20	brn	07/27/98	SE
M687399T	650119	7026865	114Z	8	50	brn	07/27/98	SE
M687400T	650490	7026940	114Z	8	30	brn	07/27/98	SE
P132201T	650620	7026870	114Z	8	80	brn	07/27/98	SE
P132202T	650860	7027120	114Z	8	80	brn	07/27/98	SE
P132203T	650940	7027290	114Z	8	80	brn	07/27/98	SE
P132204T	650990	7027570	114Z	8	90	gry	07/27/98	SE
P132205T	651080	7027610	114Z	8	90	gry	07/27/98	SE
P132206T	651030	7027860	114Z	8	90	gry	07/27/98	SE
P132207T	651010	7028090	114Z	8	90	gry	07/27/98	SE
P132208T	650960	7028270	114Z	8	90	gry	07/27/98	SE
P132209T	650880	7028410	114Z	8	90	gry	07/27/98	SE
P132210T	650770	7028450	114Z	8	100	brn	07/27/98	SE

094054

Bourya
Silt Sample Description and Assays

asamp	Au_ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Comments
M685814T	2	1.2	0.98	42	1410	0.5	1	0.12	3	4	17	70	2.92	5	180	0.11	5	0.19	120	12	0	39	1400	14	4	3	47	0	5	5	61	5	220	Good Sample1stcreek
M685815T	2	0.6	1.04	44	1630	0.5	1	0.3	4.5	14	19	71	3.01	5	160	0.12	5	0.24	390	11	0	53	1690	16	4	4	61	0	5	5	69	5	276	Good Sample 2ndcreek
M685816T	2	0.8	1.09	50	1480	0.5	1	0.25	4	10	18	78	3	5	150	0.12	5	0.22	380	12	0	51	1750	16	2	4	63	0	5	5	68	5	292	Good Sample 3rdcreek
M685817T	2	1	0.91	54	1220	0.5	1	0.32	8.5	13	17	65	3.15	5	180	0.13	5	0.23	465	16	0	66	1960	14	8	3	81	0	5	5	79	5	566	Good Sample main 4thcreek
M685818T	15	2	0.86	28	830	0.2	1	0.33	2	15	10	44	5.75	5	340	0.06	5	0.12	805	5	0	76	860	12	4	3	68	0	5	10	29	5	312	Good Sample
M685819T	2	0.8	1.11	22	1900	0.2	1	0.32	2.5	9	20	56	3.04	5	280	0.11	10	0.25	555	8	0	60	1080	12	1	3	74	0	5	10	65	5	370	Good Sample
M685820T	2	0.8	1.22	18	1180	0.5	1	0.64	2	13	16	38	4.38	5	280	0.15	10	0.25	3950	4	0	46	1150	10	4	3	106	0	5	10	58	5	272	Good Sample start of tributary
M685821T	2	0.8	0.99	24	1220	0.5	1	0.45	2	9	18	66	2.65	5	360	0.18	10	0.2	875	6	0	42	1330	12	4	3	104	0	5	10	75	5	220	Good Sample
M685822T	10	0.8	1.01	26	1220	0.5	1	0.51	2.5	9	20	69	2.54	5	430	0.19	10	0.21	1130	7	0	48	1340	14	6	3	109	0	5	10	83	5	252	Good Sample
M685823T	15	0.8	1.01	24	1220	0.5	2	0.57	2.5	9	20	78	2.66	5	530	0.2	10	0.25	765	9	0	51	1340	14	6	3	123	0	5	10	99	5	256	Fair Sample
M685824T	2	1	0.86	28	1030	0.5	1	0.59	3	9	19	94	2.64	5	520	0.18	10	0.24	610	13	0	68	1400	12	6	3	120	0	5	10	159	5	340	Good Sample
M685825T	2	1	0.88	26	900	0.5	1	0.63	3.5	9	19	106	2.55	5	480	0.17	10	0.29	685	13	0	65	1140	14	4	3	120	0	5	10	131	5	372	Good Sample
M685826T	2	1	0.92	28	1050	0.5	1	0.56	3	8	22	92	2.42	5	460	0.2	20	0.3	550	14	0	63	1260	14	6	3	125	0	5	20	188	5	390	Good Sample
M685827T	2	0.6	0.58	174	2060	0.2	2	1.65	4.5	48	13	53	15	5	220	0.13	10	0.28	10000	29	0.01	131	1900	1	1	2	240	0	5	5	105	5	364	Good Sample right into main
M685828T	2	0.4	0.71	28	850	0.2	1	0.6	1.5	7	13	43	3.62	5	320	0.11	10	0.21	1015	3	0	36	1360	8	2	2	91	0	5	10	57	5	196	Good Sample
M685891T	2	0.2	1.31	32	880	0.5	1	0.46	2	21	19	192	3.96	5	200	0.09	5	0.28	2180	5	0.01	67	800	10	2	4	77	0	5	5	45	5	444	
M685892T	2	0.6	1.4	48	1220	0.5	1	0.53	3	44	20	239	4.83	5	250	0.1	5	0.29	9900	6	0.01	118	860	12	1	5	97	0	5	5	47	5	538	
M685893T	2	0.8	1.63	48	1210	0.5	1	0.43	2	21	24	276	4.15	5	300	0.11	5	0.28	1785	5	0.01	81	980	10	1	6	85	0	5	5	50	5	436	
M685894T	2	0.8	1.5	32	1280	0.5	1	0.52	2	18	23	239	3.88	5	250	0.11	5	0.29	2330	5	0.01	79	870	14	1	6	98	0	5	5	52	5	428	
M685895T	2	1	1.45	44	1100	0.5	1	0.63	1.5	16	25	244	3.59	5	290	0.13	5	0.3	1580	5	0.01	80	950	8	2	6	126	0	5	5	53	5	366	
M685896T	5	1	1.08	34	1090	0.5	1	0.39	1.5	16	21	153	3.2	5	260	0.12	5	0.22	1235	4	0.01	53	570	14	1	4	90	0	5	5	40	5	272	
M686460T	2	3.8	1.54	50	990	0.5	1	0.23	2.5	7	35	200	4.06	5	570	0.17	10	0.26	200	16	0.01	60	1980	18	8	4	81	0	5	5	170	5	368	Main, dry, silt Rx frags, organic
M686461T	2	2	1.39	70	1860	0.5	1	0.21	6.5	7	24	89	3.02	5	370	0.17	10	0.18	240	22	0.01	59	1810	20	10	1	92	0	5	5	112	10	310	Dry R, silt organic
M686462T	2	1.8	1.37	58	1750	0.5	1	0.22	2	9	21	119	2.9	5	300	0.14	10	0.23	215	11	0	58	1540	18	4	4	79	0	5	5	83	5	356	Main silt, Rx frags organic
M686463T	2	1.2	1.47	44	1160	0.5	1	0.21	1.5	5	20	101	2.41	5	280	0.12	10	0.22	115	10	0	54	1350	14	2	3	64	0	5	5	78	30	324	Main silt Rx frags organic
M686464T	2	0.1	1.86	464	420	0.5	1	0.17	8.5	28	9	110	15	5	130	0.04	5	0.07	2640	77	0	96	880	1	12	3	42	0	5	5	25	5	626	Trickle L, silt organic
M686465T	2	1.4	2.98	104	980	1.5	1	0.57	14	23	18	284	7.2	5	290	0.11	10	0.17	900	25	0	194	1250	12	1	4	98	0	5	5	65	5	1335	Active L silt organic Chem. seep
M686466T	2	0.6	2.4	98	750	0.5	1	0.2	3	8	20	131	6.12	5	210	0.12	5	0.17	275	22	0	51	1250	10	2	3	58	0	5	5	100	5	404	Main, silt organic
M686467T	10	1.2	2	48	1870	0.5	1	0.21	3	22	23	109	3.24	5	410	0.17	10	0.26	930	10	0.01	74	1370	16	6	4	68	0	5	5	78	5	438	Trickle R, silt organic
M686468T	5	0.6	2.43	58	1590	0.5	1	0.2	5.5	52	22	138	3.24	5	330	0.17	10	0.24	1310	11	0.01	109	1060	14	2	4	65	0	5	5	76	10	668	Main, silt organic
M686469T	2	2	1.34	42	1440	0.2	1	0.13	1.5	6	22	61	2.4	5	310	0.16	10	0.17	135	9	0.01	34	1520	18	4	1	50	0	5	5	94	30	152	Dry, R, silt organic
M686470T	2	0.8	1.92	58	1860	1	1	0.32	10	43	26	143	3.42	5	330	0.19	10	0.24	1390	13	0.01	131	1350	18	6	4	90	0	5	5	115	5	816	Main silt clay organic
M686471T	2	1	2.4	60	1480	1	1	0.27	5	16	22	169	3.72	5	320	0.15	10	0.25	340	12	0	101	1290	16	4	4	63	0	5	5	72	5	624	Dry R, silt organic
M686472T	2	1.6	1.68	62	1450	0.5	1	0.49	5	20	22	55	4.06	5	310	0.2	10	0.23	725	11	0.01	76	1380	18	4	4	109	0	5	5	73	10	354	Dry L, silt, clay organic
M686473T	2	1	2.96	46	1630	2	1	0.43	15	56	22	153	3.42	5	280	0.19	10	0.26	1200	9	0.01	239	1130	14	6	5	114	0	5	5	73	5	1560	Main silt organic
M686474T	5	1	1.55	50	3390	0.5	1	0.29	4.5	31	21	50	3.18	5	260	0.17	10	0.24	1950	5	0.01	52	860	18	1	4	304	0	5	5	59	5	290	Dry R, silt organic
M686475T	5	0.8	2.79	46	1750	1.5	1	0.3	22	64	22	177	3.64	5	310	0.18	10	0.23	2970	10	0.01	235	960	16	6	5	107	0	5	5	69	10	1680	Main silt organic
M686476T	2	0.6	2.37	46	1580	1.5	1	0.23	34	112	18	199	3.77	5	160	0.13	10	0.2	5690	10	0	241	650	12	1	4	94	0	5	5	39	5	2030	Main, silt organic
M686477T	2	0.6	1.54	52	1780	0.5	1	0.17	6.5	33	18	108	3.18	5	150	0.13	10	0.22	1175	6	0	83	650	14	2	3	86	0	5	5	39	5	588	Main, silt organic
M686478T	10	10.4	0.84	44	1410	0.2	1	0.1	0.5	3	30	54	3.25	5	500	0.14	10	0.19	90	4	0	25	720	24	6	5	75	0	5	5	36	5	120	Dry L, silt sand gravel organic
M686479T	10	1.4	1.73	46	1630	1	1	0.33	9	32	23	121	3.19	5	320	0.15	10	0.26	1300	6	0.01	116	820	18	2	4	185	0	5	5	52	5	706	Active, silt sand organic
M686480T	20	1	3.74	50	290	2	1	0.27	44.5	205	27	273	4.1	5	250	0.2	10	0.22	9840	11	0.01	260	690	18	2	6	111	0	5	5	51	5	2160	Main silt organic
M686481T	10	1	1.44	34	1430	0.5	1	0.38	0.2	23	27	86	4.46	5	180	0.14	10	0.37	795	4	0	81	540	12	1	4	105	0	5	5	40	5	324	Sidehilling-trickle, silt organic
M686482T	2	1.2	1.56	42	1390	0.5	1	0.4	0.5	28	28	98	4.69	5	170	0.14	10	0.38	980	4	0.01	128	570	12	1	4	115	0	5	5	42	5	480	Trickle silt clay organic
M686483T	5	1	1.42	34	1010	0.5	1	0.25	2.5	21	22	88	3.29	5	180	0.12	10	0.27	1280	4	0.01	92	590	14	2	4	69	0	5	5	40	5	284	Trickle silt organic
M686484T	10	2.4	1.44	44	1440	0.5	1	0.1	0.5	6	22	104	3.26	5	220	0.12	10	0.26	195	5	0	34	890	16	2	6	51	0	5	5	40	5	142	Trickle silt organic
M686485T	10	1.8	1.16	44	1570	0.2	1	0.05	0.2	4	21	58	3.22	5	210	0.14	10	0.2	150	5	0	22	860	16	6	3	48	0	5	5	51	5	94	Dry Drain, silt organic
M686486T	10	1.2	1.56	40	1500	0.2	1	0.24	1	17	27	106	2.99	5	170	0.12	10	0.39	2960	3	0	63	620	10	2	4	94	0	5	5	41	5	194	Seep, silt organic
M686487T	10	2.2	1.48	42	860	0.2	1	0.04	0.2	4	20	119	2.94	5	220	0.09	10	0.2	150	3	0	19	720	16	2	3	26	0	5	5	40	5	72	Active silt gravel organic
M686488T	10	4.8	1.74	38	520	0.2	1	0.06	0.2	0	25	174	2.84	5	290	0.1	20	0.18	60	4	0	21	890	18	2	4	28	0	5	5	41	5	48	Active silt organic
M686489T	10	1.4	2.05	32	1050	1	1	0.14	1.5	36	18	143	2.52	5	200	0.1	10	0.21	2130	3	0	48	550	12	4	3	42	0	5	5	39	5	214	Active, silt gravel organic
M686490T	2	3	1.66	30	770	0.5	1	0.22	0.2	25	19	101	2.61	5	240	0.08	10	0.24	1050	3	0	30	740	18	4	4	69	0	5	5	35	5	112	Trickle R, silt organic
M686491T	2	1.4	1.22	32	670	0.5	1	0.29	0.5	18	18	84	2.78	5	190	0.09	10	0.25	1320	3	0	32	600	14	2	3	65	0	5	5	38	5	92	Active R, silt gravel organic
M686492T	2	1.4	1.27	38	1110	0.2	1	0.1	0.2	3	18	109	3.51	5	190	0.11	10	0.22	130	5	0	22	750	18	2	3	42	0	5	5	43	5	96	Main Cr. silt organic
M686493T	2	1.4	1.06	38	840	0.2	1	0.1	0.2	8	17	89	3.02	5	220	0.09	10	0.2	305	4	0	24	790	16	2	3	36	0	5	5	42	5	98	Seep L, silt organic
M686494T	2	2	1.09	36	400	0.2	1	0.08	0.2	4	18	68	3.09	5	270	0.1	10	0.19	110	5	0	25	780	16	2	3	28	0	5	5	44	10	100	Main, silt organic, moss mat
M686973T	25	16.2	0.83	74	300	0.2	1	0.03	0.2	2	18	190	4.58	5	260	0.07	10	0.1	60	4	0.01	13	1110	22	8	3	19	0.01	5	5	38	5	56	
M686974T	40	6.2	1.52	22	140	1	1	0.11	0.2	44	27	1395	1.62	5	150	0.04	10	0.14	1240	1	0.01	26	1380	8	2	2	13	0	5	5	19	5	64	
M686975T	2	1.6	1.65	36	730	1	1	0.87	1.5	82	24	1385	2.88	5	190	0.09	10	0.55	3920	5	0.01	123	1170	14	2	7	74	0	5	5	35	5	676	

084054

Bourya
Silt Sample Description and Assays

asamp	Au_ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Comments
M686978T	10	10.2	0.63	76	120	0.2	1	0.02	0.2	2	44	64	11.15	5	380	0.17	10	0.1	55	5	0.01	9	1180	20	10	2	49	0	5	5	44	20	44	
M686979T	2	1.2	2.57	42	490	0.5	1	0.08	0.2	4	17	95	5.63	5	180	0.11	20	0.16	75	8	0	23	680	18	2	4	24	0	5	30	41	5	82	
M686980T	2	0.6	4.78	50	380	3	1	0.32	1.5	31	20	133	4.36	5	190	0.14	30	0.29	1135	7	0.01	74	750	16	2	5	47	0	5	10	53	5	286	White staining in stream
M687394T	2	1.8	0.81	34	570	0.2	1	0.02	0.2	0	14	26	6.17	5	190	0.09	5	0.14	40	4	0	12	800	8	4	2	15	0	5	5	47	5	48	
M687395T	2	1.2	0.87	48	640	0.2	1	0.04	0.2	0	14	28	8.61	5	160	0.09	5	0.15	50	5	0	13	870	8	2	3	17	0	5	5	48	5	66	
M687396T	2	4.6	1.4	46	790	0.2	1	0.06	0.2	3	17	120	4.32	5	230	0.11	20	0.18	55	5	0	22	950	18	6	3	21	0	5	5	44	10	70	
M687397T	2	1.6	0.98	44	680	0.2	1	0.04	0.2	1	15	31	7.41	5	210	0.1	10	0.16	50	5	0	15	820	10	2	3	18	0	5	5	46	5	66	
M687398T	2	1.2	1.04	56	730	0.2	1	0.06	0.2	3	16	47	5.98	5	190	0.1	10	0.18	75	5	0	17	770	14	10	3	19	0	5	5	48	5	82	
M687399T	2	1	2.1	42	660	0.5	1	0.09	0.2	2	16	95	5.34	5	210	0.1	20	0.19	65	7	0	23	710	16	6	5	27	0	5	5	44	10	92	
M687400T	2	0.8	2.51	40	870	1.5	1	0.77	1.5	18	19	78	4.11	5	260	0.15	10	0.35	555	6	0.01	83	840	14	2	5	79	0	5	5	55	5	378	
P132201T	2	0.8	4.72	40	360	1.5	1	0.09	0.5	6	15	108	5.01	5	170	0.07	10	0.14	150	6	0	25	590	16	4	4	22	0	5	20	30	10	110	
P132202T	2	0.6	0.76	48	590	0.2	1	0.46	2	11	15	43	2.99	5	210	0.08	5	0.43	525	6	0	47	1040	12	1	4	60	0	5	5	53	5	250	
P132203T	5	0.2	0.81	62	300	0.2	1	0.59	2	12	16	41	3.29	5	190	0.09	5	0.53	540	6	0	48	1000	12	4	4	59	0	5	5	49	5	314	
P132204T	80	0.2	0.92	52	260	0.2	1	0.59	2.5	15	16	58	3.53	5	190	0.09	5	0.52	715	7	0	65	1050	14	1	4	60	0	5	5	49	5	384	
P132205T	2	0.2	0.95	22	890	0.2	1	0.43	1	11	17	32	2.88	5	180	0.11	5	0.39	395	3	0.01	36	940	14	2	4	47	0	5	5	39	5	138	
P132206T	2	0.2	0.99	80	340	0.2	1	0.68	3.5	18	18	55	3.58	5	230	0.1	5	0.54	880	8	0	84	1080	14	2	4	65	0	5	5	54	5	586	
P132207T	2	0.2	0.85	42	340	0.2	1	0.71	4	18	15	52	3.5	5	190	0.07	5	0.55	925	7	0	79	1060	14	1	4	62	0	5	5	39	5	568	
P132208T	10	0.4	0.78	70	290	0.2	1	0.62	2.5	15	15	52	3.69	5	220	0.07	5	0.57	780	7	0	60	1090	12	2	4	62	0	5	5	40	5	376	
P132209T	2	0.2	0.86	54	440	0.2	1	0.48	2.5	15	16	53	3.47	5	200	0.08	5	0.47	840	7	0	62	1110	14	2	4	65	0	5	5	47	5	380	
P132210T	2	0.6	1	22	940	0.2	1	0.35	0.5	9	15	157	2.52	5	210	0.09	5	0.25	640	4	0	58	580	10	6	4	56	0	5	5	42	5	348	

094054