

**1998 GEOLOGICAL and GEOCHEMICAL
ASSESSMENT REPORT
ON THE LIGHTNING PROPERTY
(Lightning 1-152, Tempest 1-60 Claims)**

093 923

December 20, 1998

Mayo Mining District
N.T.S. 105N/10

Latitude: 63°38' North
Longitude: 133°07' West

Owner: Viceroy Exploration (Canada), Inc.

Author: Carl M. Schulze

Date of work: August 1998

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ ~~46,500~~^{30,300}.

for *M. Buck*
Regional Manager, Exploration and
Development Services for Commissioner
of the Geological Survey of Canada

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SUMMARY

Viceroy Exploration (Canada), Inc, holds a 100% interest in the Lightning/Tempest Property, consisting of the LIGHTNING 1-152 and TEMPEST 1-60 Claims. The property is located within Selwyn Basin shelf and offshore sediments roughly 180 kilometers north of Ross River, Yukon. The property is underlain by WNW trending Earn Group chert pebble conglomerate and greywacke partially overlain by two units of Road River Group shale, siltstone, and chert, implying thrust fault contacts. Several altered quartz porphyritic monzonite dikes, including a set just north of the northern fault, extend roughly parallel to stratigraphy. Minor diorite and lamprophyre dikes occur at several locations.

Closely spaced reconnaissance traversing and local detailed exploration have revealed several broad gold geochemical anomalies across the property. The most significant is a six square kilometre area of strongly anomalous gold values in silt along a WNW trending lineament within northern parts of the property. Coincident gold-silver anomalies with values to 300 ppb Au and 118 gpt Ag were returned from this zone. Sampling of the northern dike occurrence, believed to be structurally related to the northern lineament, returned values to 735 ppb Au, with low silver values, implying a separate local source for coincident gold-silver anomalies. Minor lamprophyre dikes to the south returned values to 165 ppb Au.

Two other significant areas of coincident gold - silver anomalies in silt occur in central and southern areas respectively. These widespread anomalies suggest significant structurally controlled subsurface mineralization may exist at several locations across the property. Although base metal values are locally weakly elevated, the high precious metal values and pathfinder element concentrations indicate a predominantly gold-silver source.

CHAPTER 1: INTRODUCTION

1.1 Introductory Statement

The Lightning Property consists of 212 contiguous quartz mining claims (Lightning 1-152 and Tempest 1-60) covering a 47 square kilometre area within NTS Sheet 105N/10, in the Mayo Mining District (Figure 1).

The 1998 exploration program involved preliminary geological mapping, rock, soil and detailed silt sampling.

1.2 Location and Access

The Lightning Property is located roughly 180 kilometres north of Ross River, Yukon Territory, and roughly 150 kilometers east of Mayo, Yukon. The property is centered at 63°68' North latitude, 133°07' West longitude on NTS Map Sheet 105N/10.

Access is by helicopter from a base camp located at Fairweather Lake roughly ten kilometers to the south. Accommodations are available at Swan Lake Lodge thirty-five kilometres to the northwest.

1.3 Physiography and Vegetation

Property topography consists of fairly rugged mountains of moderate elevation with a prominent NW-SE trending ridge attaining 1700m of elevation across northern regions. Rubblecrop and talus with fairly abundant outcrop cover higher elevations.

Lower elevations are covered by typical cordilleran boreal spruce and fir forest grading into stunted conifers and buckbrush towards the tree line. Alpine tundra vegetation covers higher elevations.

1.4 Regional Exploration History and Competitor Activity

The property is located within a large underexplored portion of the Yukon. Several small claim blocks covering zinc in soil anomalies staked by Mr. R. Berdahl of Whitehorse, Yukon, were allowed to lapse by early 1997. The location of these blocks are currently covered by the Lightning/Tempest property. The Plata lead-zinc property is located roughly fifty kilometers to the east. Limited exploration and staking of similar occurrences to the west of this has been done.

Approximately 400 claims, primarily the Gotcha and Gotit Claims were tied onto the west, north, and south boundaries of the Lightning/Tempest Property in early 1998 by International Kodiak Resources.

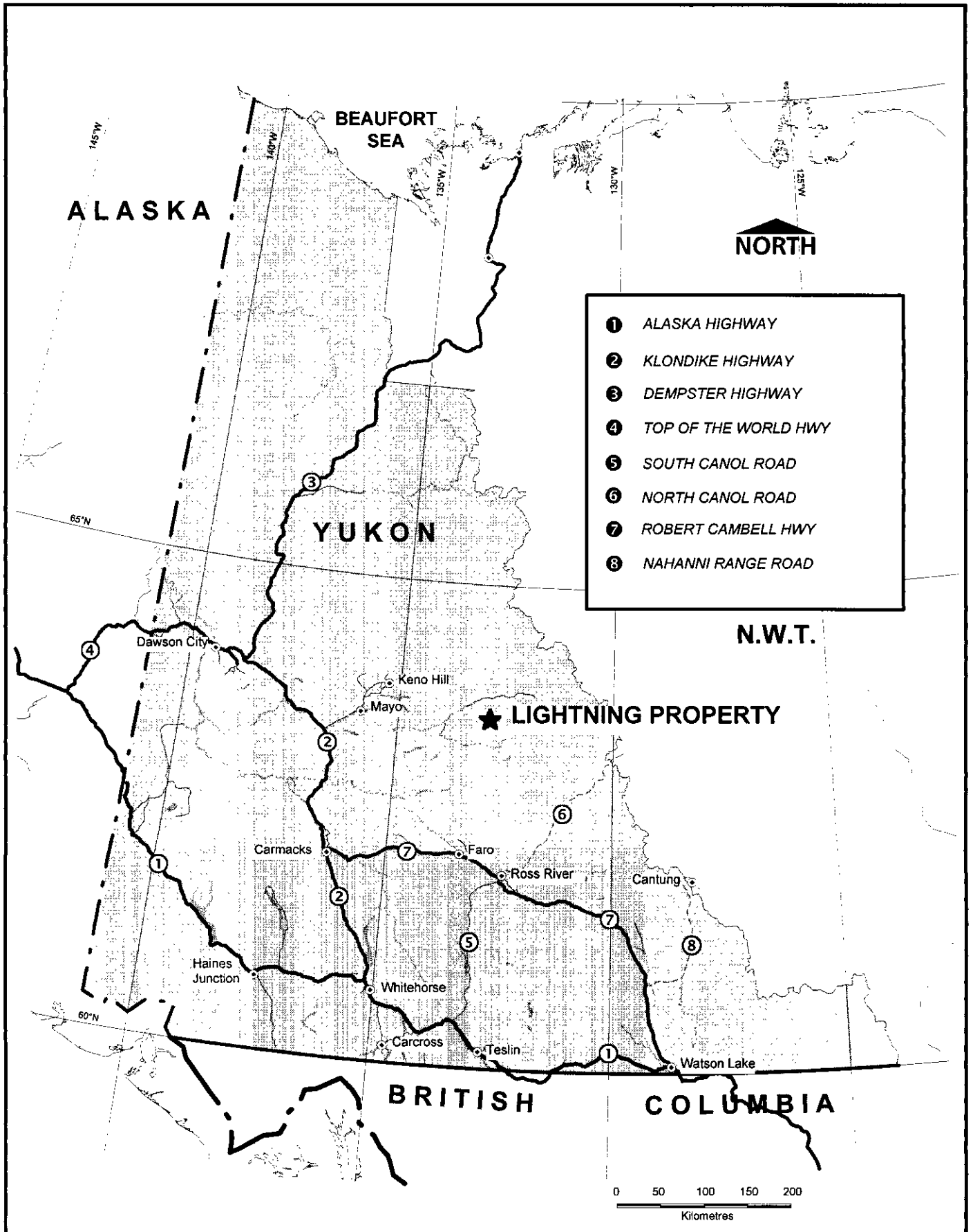


FIGURE 1: GENERAL LOCATION MAP

1.5 Property Exploration History

Baritic and pyritic sediments and strongly limonitic float encountered during reconnaissance traversing by VEC led to the staking of the Lightning 1-12 Claims in June, 1997. A series of stratigraphically controlled iron seeps along the north flank of the ridge roughly six kilometres to the east led to the staking of the Tempest 1-12 Claims. Assay results of silt sampling revealing a widespread gold anomaly led to the addition of the Lightning 13-152 Claims and Tempest 13-60 Claims (Figure 2). Work in 1998 delineated several potential metallogenic zones across the property.

Table 1 below lists detailed claim status, including assessment status and expiry dates. Figure 2 is a Claim Location Map showing recorded claim locations.

Claim Name	Grant No.	Number of Claims	Owner	New Expiry Date
Lightning 001-003	YB80993-95	3	Viceroy Exploration (Canada), Inc.	September 2, 1999
Lightning 011	YB81003	1		
Lightning 013-050	YB98044-81	38		
Lightning 058-093	YB98089-124	36		
Lightning 108-152	YB98139-183	45		
Tempest 001	YB80969	1		
Tempest 003	YB80971	1		
Tempest 005	YB80973	1		
Tempest 007	YB80975	1		
Lightning 004-010	YB80996-81002	7		
Lightning 012	YB81004	1		
Lightning 051-057	YB98082-88	7		
Lightning 094-107	YB980125-138	14		
Lightning 108-152	YB98139-183	45		
Tempest 002	YB80970	1		
Tempest 004	YB80972	1		
Tempest 006	YB80974	1		
Tempest 008-012	YB80976-80	5		
Tempest 013-026	YB81387-400	14		
Tempest 027-060	YB97902-935	34		

1.6 Work Program

The 1998 work program consisted of several closely spaced reconnaissance traverses involving detailed geological mapping, rock and silt sampling, and B-horizon soil sampling at 100m intervals. More detailed silt and soil sampling, and local hand trenching was done across select areas. All sampling was described in detail; data was entered into Microsoft Excel spreadsheet programs and combined with matching assay results.

1.6.1 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.

1.6.2 Personnel

The following personnel did all applicable work for assessment:

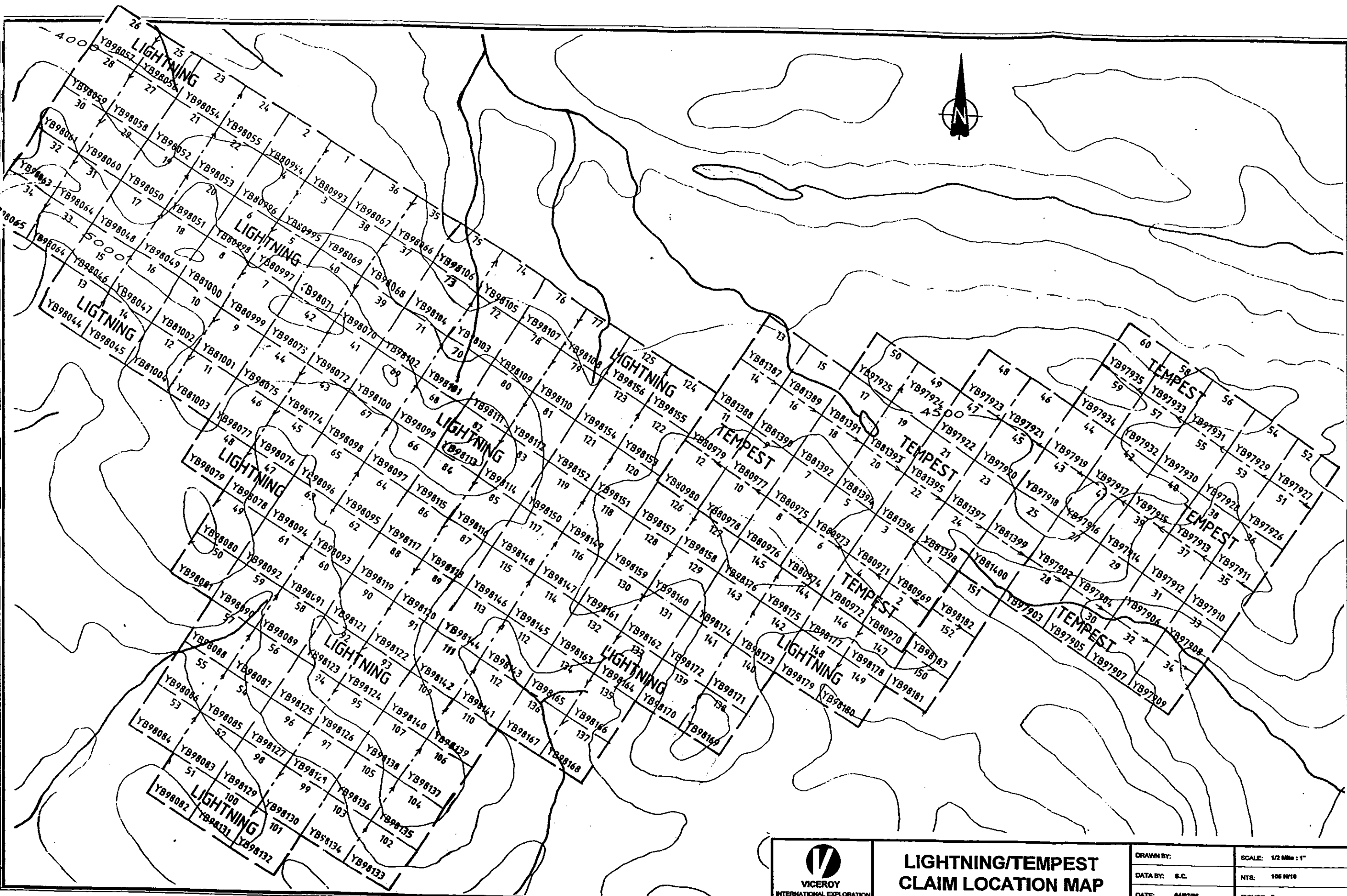
Geologists: C. Schulze Senior Geologist
 G. MacIntosh Geologist
 S. Soloviev Geologist

Field Technicians:
 S. Erdman
 C. Travis
 M. Mason

Consultants: Gower, Thompson & Associates
 Steven Gower and Elaine Thompson

Cook: Charles Meyer

Pilots: Karl Scholz
 Barry Guthrie



**LIGHTNING/TEMPEST
CLAIM LOCATION MAP**

DRAWN BY:
DATA BY: S.C.
DATE: 6/6/206

SCALE: 1/2 Mile = 1"
NTS: 100 N/10
FIGURE: 2

CHAPTER 2: GEOLOGY

2.1 Regional Geology

The property is located within the Selwyn Basin, an extensive sequence of shelf margin and off-shelf sediments deposited from late Precambrian to early Mesozoic time. The source has been interpreted as the ancient North American Continent to the northeast. The lowest members of this sequence belong to the Late Precambrian to Early Cambrian Hyland Group, consisting of coarse clastic, frequently calcareous sediments as well as fine grained, often calcareous thinly bedded shale, argillite, phyllite and minor limestone (Table 2). Extensive sequences of Road River Group shale and chert, with lesser limestone and Steel Formation calcareous siltstone to mudstone occur across the area. These are overlain by broad sequences of Earn Group chert pebble conglomerate and greywacke. Fairly sizeable units of Permian Mount Christie Formation siltstone, argillite and lesser dolostone, and Cambrian to Ordovician Rabbitkettle Formation calcareous sediments occur to the southeast (Figure 3). Younger sedimentary members than the Earn Group, including "Keno Hill Quartzite", and units of Carboniferous to Permian thin bedded limestone comprise upper members of the Selwyn Basin. An extensive suite of mid-Cretaceous quartz monzonite plutons, stocks and dikes, called the Tombstone Suite, has been emplaced within the sediments (Gordey and Andersen, 1993). Most mineralization within the Selwyn Basin appears to be associated with these intrusive structures.

2.2 Property Geology

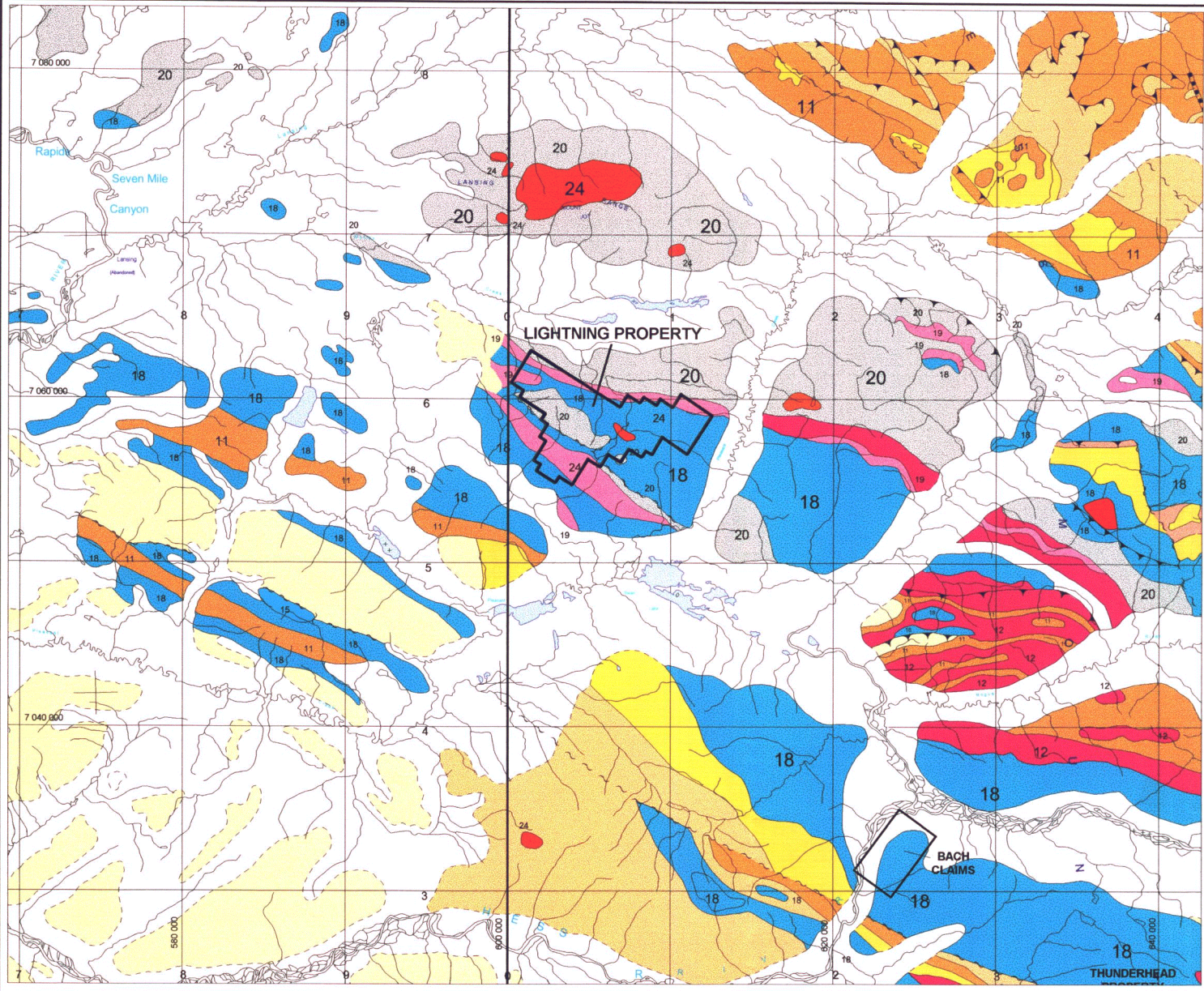
The property overlies a sequence of WNW trending Devonian to Mississippian Earn Group clastic sediments suggesting a compressional regime (Plate 1). Towards the northeast, Earn Group sediments consist primarily of chert pebble conglomerate with lesser greywacke and sandstone. The clasts are largely derived from Road River Group chert and shale. Elsewhere on the property, Earn Group sediments tend to be more finely grained, consisting of shale to siltstone, locally graphitic, with localized chloritic members. Two major units of Road River Group chert, phyllite, siltstone, and shale overlie this sequence, probably along south dipping thrust fault contacts. These sediments, often weakly calcareous, have undergone brecciation with subsequent quartz stockwork development near these contacts. Weakly to strongly baritic, variably pyritic sediments occur along western portions of the base of the northern Road River Group member. To the east, a series of iron seeps at roughly the same elevation along most streams along the north flank of the prominent ridge marks the thrust contact. Several narrow quartz porphyritic monzonite dikes comprise a 100m wide WNW trending zone within Earn Group sediments slightly north of the northern thrust fault contact. Several other similar dikes occur within the southern Road River Group unit. At least two lamprophyre occurrences have been identified as well as fairly abundant silicified pyritic diorite float near the western baritic sediments.

A pronounced WNW trending lineament occurs north of the northern thrust fault, roughly parallel to local stratigraphy. Similar lineaments occur across central and extreme southern areas, often near dike occurrences. These appear to have been offset by a largely NNE trending extensional fault regime.

TABLE 2: LIGHTNING PROPERTY STRATIGRAPHIC COLUMN

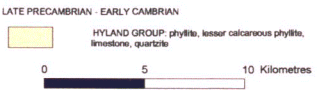
Age	Group	Formation (Lithology)	Geology Map Designation	Rock Code	Description
Mid-Cretaceous	Tombstone Plutonic Suite (Selwyn Plutonic Suite)	Monzonite, Quartz Monzonite coeval South Fork Volcanics	Kqm, Kg	QM, MO	Felsic to intermediate quartz monzonitic, monzonitic, to quartz dioritic intrusives. The name "Selwyn Suite" often applies to eastern portion of the suite. Anvil Intrusives and coeval South Fork Volcanics now considered part of Tombstone Suite; varying phases due to different fractionation states rather than a separate major intrusive event.
Devonian - Mississippian	Earn Group	Prevost Formation	Dmp (Dme)	CH, ARG ARGG	Brown weathering shale, grey to grey-brown weathering chert-pebble conglomerate, dark grey-black chert-quartz sandstone.
Devonian	Earn Group	Portrait Lake Formation	Dp (Dme)	CH, ARG, ARGG	Argillite, chert, minor sandstone and conglomerate. Black siliceous argillite form lower member. May contain minor greywacke, siltstone and baritic horizons.
Ordovician-Early Devonian	Road River Group	Steel Formation	(OSDr)	SS	Weakly to moderately calcareous orange weathering mudstone to siltstone, often bioturbated reflecting oxygenated bottom water conditions. Baritic horizons often form distinctive upper members near top of formation.
Ordovician-Early Devonian	Road River Group	Duo Lake Formation	Osd (OSDr)	CH, SLT, ARG	Black argillite and massive to thick bedded chert, weathers bluish white, local tan limonitic weathering.

Figure 3: regional geologic setting



GEOLOGICAL LEGEND

- CENOZOIC**
- Quaternary
 - 26 Unconsolidated glacial fill, alluvium, stream deposits
- MESOZOIC**
- Cretaceous
 - 24 Biotite granite, biotite quartz monzonite, syenite (predominantly Tombstone Suite)
- PALEOZOIC**
- Permian
 - 22 Chert, cherty limestone, limestone (Tahandit Formation)
 - 21 Shale, thin bedded, brown siltstone, commonly limy (previously mapped as Cretaceous, probable older)
 - Upper Pennsylvanian to Permian
 - 22* basalt flows, tuffs, slate, phyllite, minor limestone, chert, carbonaceous shale
 - Carboniferous to Permian
 - 20 Thin bedded limestone, minor black shale, chert chert pebble conglomerate
 - Mississippian ?
 - 19 Koro Hill quartzite: Massive quartzite, minor slate phyllite, argillaceous quartzite
 - Devonian
 - 18 "Lower Schist", dark gray argillite, slate, phyllite commonly graphitic; minor phyllite, limy quartzite (probably Eam Group equivalent)
 - 17 EARN GROUP: Black shale, argillite, slate, black platy limestone, chert, quartzite, chert pebble conglomerate (latter shown as circles)
 - 16 Felsic metavolcanics, quartz porphyry (part of lower schist?)
 - 15 Black platy limestone, commonly argillaceous, locally siliceous, interbedded chert
 - 14 Limestone, dark gray to brown, black, massive to thin bedded
 - 13 Limestone, dolomite: light gray to dark brownish gray
 - Ordovician - Silurian
 - 12 ROAD RIVER FORMATION: Interbedded black chert and argillite, minor quartzite, chert pebble conglomerate; Sleasie Formation (siltstone) locally noted
 - RABBITKETTLÉ FORMATION
 - 11 Dolomite and limestone, minor black platy argillaceous limestone and dolomite
 - 10 Variscoured slate
 - 9 Quartzite, slate, phyllite, limestone



**LIGHTNING PROPERTY
REGIONAL GEOLOGIC SETTING
AND LAND DISPOSITION**

DATE	Dec. 98	NTS	105N
SCALE	1: 250,000	FIGURE NO.	3

CHAPTER 3: MINERALIZATION

The structural setting of the Lightning/Tempest Property is favourable for emplacement of significant mineralization. The Earn and Road River Group sediments near the fault contacts have undergone extensive quartz stockworking with moderate limonitic staining. The northern quartz monzonite dikes just south of the lineament have undergone weak argillic alteration and silicification, and contain 1-2% fine to medium grained disseminated pyrite. The greenish dike material hosts fracture controlled quartz stockwork zones and may indicate fine grained scorodite. Values to 735 ppb Au with low silver values were returned from these dikes (Plate 2).

Towards the north boundary, silicified diorite dike float within the Lightning 1-12 Claims along the headwaters of a stream returning anomalous gold and pathfinder elements containing up to 5% pyrite and minor pyrrhotite and arsenopyrite, returned low values. Values to 165 ppb Au were returned from a lamprophyre dike. Minor strongly limonitic float identified at the Berdahl Showings failed to return significant metal values. No significant values were returned from the ferricrete showings.

Encouraging results have been returned from detailed silt sampling across the property, including definition of a northern anomalous area covering six square kilometers along a 4.5 kilometre trend. Within this, elevated gold values to 100 ppb Au with silver values to 118 gpt Ag occur along the pronounced northern lineament, suggesting a possible mineralized corridor up to twelve kilometres long. Weakly elevated gold values to 50 ppb Au were returned from soil sampling across this lineament. Elevated gold and silver values were returned from detailed silt sampling at a specific elevation within chert pebble conglomerate along this corridor in the northeastern area. Also along this lineament towards the west margin of the Tempest 1-12 Claims, detailed silt sampling returned values to 300 ppb Au and > 100 gpt Ag with strongly elevated mercury, and elevated arsenic and antimony values. Local hand trenching revealed quartz stockwork zones within Earn Group greywacke which returned values to 40 ppb Au; this is probably not the source of the pronounced anomalies. The northern quartz monzonite dikes occur nearby and are probably related to the lineament. However, associated low silver values suggest the dikes are not the direct source of the coincident gold-silver anomalies.

A number of similar gold-silver anomalies in silt returning up to 90 ppb Au occur along a subparallel lineament near the south property boundary. A third area of anomalous gold in silt values to 90 ppb Au occurs along a north-south trending lineament in the central area. These widespread strong silt anomalies suggest significant structurally controlled subsurface mineralization may exist at several localities within the property. Although base metal values are locally weakly elevated, the high precious metal values indicate a predominantly gold-silver source, as opposed to a massive sulfide source with minor associated precious metal.

CHAPTER FOUR: CONCLUSIONS

The Lightning/Tempest Property is underlain by WNW trending Earn Group chert pebble conglomerate and greywacke partially overlain by two units of Road River Group shale, siltstone, and chert, implying thrust fault contacts. Several altered quartz porphyritic monzonite dikes, including a set just north of the northern fault, extend roughly parallel to stratigraphy. Minor diorite and lamprophyre dikes occur at several locations.

Closely spaced reconnaissance traversing and local detailed exploration have revealed several broad gold geochemical anomalies across the property. The most significant is a six square kilometre area of strongly anomalous gold values in silt along a WNW trending lineament within northern parts of the property. Coincident gold-silver anomalies with values to 300 ppb Au and 118 gpt Ag were returned from this zone. Sampling of the northern dike occurrence, believed to be structurally related to the northern lineament, returned values to 735 ppb Au, with low silver values, implying a separate local source for coincident gold-silver anomalies. Minor lamprophyre dikes to the south returned values to 165 ppb Au.

Two other significant areas of coincident gold - silver anomalies in silt occur in central and southern areas respectively. These widespread anomalies suggest significant structurally controlled subsurface mineralization may exist at several locations across the property. Although base metal values are locally weakly elevated, the high precious metal values and pathfinder element concentrations indicate a predominantly gold-silver source.

CHAPTER FIVE: RECOMMENDATIONS

The Lightning/Tempest Property requires detailed surface exploration to identify structural control and possible bedrock sources of abundant geochemical anomalies. A grid should be emplaced across pertinent anomalies, followed by detailed geological mapping, rock and soil sampling. Particular attention should be placed on analysis of pathfinder elements, including silver, to determine the locations of differing mineralogical regimes. Channel sampling should be done across the mineralized northern dikes. The strongly anomalous silt occurrence returning 300 ppb Au should be extensively prospected for mineralized outcrop or rubblecrop; results may warrant a mechanised trenching program.

Strong local limonitic staining and abundant ferricrete occurrences along many geochemical anomalies suggest fairly abundant sulphide mineralization, possibly the source of the precious metal anomalies. Geophysical exploration, particularly surface EM and Induced Polarization surveys across these zones, are recommended to detect this style of mineralization, as well as stratigraphic contacts.

BIBLIOGRAPHY

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Gordey, S.P. and Anderson, R.G. 1993: Evolution of the Northern Cordilleran Miogeosyncline, Nahanni Map Area (105I), Yukon and Northwest Territories; Geological Survey of Canada, Memoir 428.

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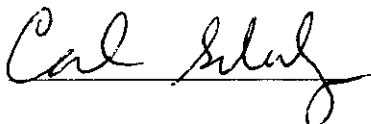
Roots, C.F. Abbott, J.G. Cecile, M.P. Gordey, S.P. 1995: Bedrock Geology of Lansing Range Map Area (105N), East Half, Hess Mountains, Yukon; Exploration and Geological Services, Yukon Region, and Indian and Northern Affairs Canada.

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

STATEMENT OF QUALIFICATIONS

I, Carl M. Schulze, of the City of Whitehorse, Yukon Territory, Canada, do hereby certify that:

- 1) I have held the position of Senior Exploration Geologist with Viceroy International Exploration since 1996.
- 2) I graduated from Lakehead University with a Bachelor of Science Degree in Geology in 1984.
- 3) I have been continually active in mineral exploration since 1984.
- 4) I supervised the exploration program and performed part of the work described in this report.
- 5) I am currently president of the Yukon Chamber of Mines and a member of the Yukon Prospectors' Association

A handwritten signature in cursive script, reading "Carl Schulze". The signature is written in black ink on a white background.

APPENDIX 1

APPLICABLE EXPENDITURES FOR ASSESSMENT CREDITS

Lightning Property (Lightning 1-152, Tempest 1-60) Expenditures	
Description	Expenditure
Personnel	\$7,020
Camp Meals and Lodging/Mob-Demob	6,920
Helicopter	16,355
Geochemical Analyses	3,920
Total	\$34,215

APPENDIX 2

ROCK ASSAY RESULTS

Lightning - Target 60
Rock Sample Description Sheet

Sample	X_Coord	Y_Coord	Traverse	Zone	Type	Width_m	Desc	Fm	Lithology	Modifier	Colour	Carb	Silicif	It_ARG	AI_TOT	AI_PHY	Limonite	Mineral_1	M1_Am	Mineral_2	M2_Am	Mineral_3	M3_Am	Date	Name
M518774R	607030.00	7059270.00	60L	8	channe	1.0	Sc		Silic Zone				S3											07/17/98	SG/ET
M518775R	607031.00	7059270.00	60L	8	channe	1.0	Sc		Silic Zone, Lamp syke		blk		S2											07/17/98	SG/ET
M518776R	607032.00	7059270.00	60L	8	channe	1.0	Sc		Silic Zone, Lamp syke		blk		S1											07/17/98	SG/ET
M518777R	607027.00	7059270.00	60L	8	channe	0.3	Sc		CpC	allrock rock														07/17/98	SG/ET
M518778R	607026.00	7059270.00	60L	8	channe	1.0	Sc		CpC	wallock			S1	A1										07/17/98	SG/ET
M518779R	607031.00	7059270.00	60L	8	pit	0.3	Sc		CpC	wallock														07/17/98	SG/ET
M685764R	606990.00	7059280.00																						06/20/98	SG/ET
M685765R	611087.11	7058938.57	60K	8	cg		FI		CpC		brn		S1				wk							06/20/98	SG/ET
M685766R	611530.00	7058580.00																						06/20/98	SG/ET
M685800R	603001.39	7060729.74	60X	8	ch	0.5	Oc		SH				S1				wk							06/20/98	SG/ET
M687051R	602874.57	7056019.23	60X	8	cg		Oc		SH	Tbd	tan						wk							06/20/98	SG/ET
M688649R	604751.19	7058441.07	60M	8	ch	0.2	Oc		ARG	brec		C1	S3											06/20/98	SG/ET
M688650R	604794.96	7058432.51	60M	8	cg		Rb		ARG	brec			S3	A2			md							07/03/98	SG/ET
P132095R	605897.45	7057190.05	60P	8	g		Rb	Kqm	FP	Mas	wh	C1	S1	A2		Ph1	wk	P	5					07/31/98	SS
P132096R	605796.63	7057205.30	60P	8	cg		Ta	PrCh	PHY	Fol	mgly						md	P	10					07/31/98	SS
P132097R	605687.05	7057252.97	60P	8	cg		Ta	Kqm	FP	Mas	yl	C1	S1	A2		Ph1	wk	P	5					07/31/98	SS
P132098R	605651.18	7057321.04	60P	8	cg		Rb	Kqm	FP	Frac	tan	C1	S2	A2		Ph1	st							07/31/98	SS
P132099R	606061.28	7057556.96	60P	8	g		Ta	PrCh	PHY	Fol	mgly						md	P	8					07/31/98	SS
P132100R	606921.35	7058196.06	60P	8	g		Ta	OSDr	SH	Frac	blk		S1			Ph1	md	Scor	3					07/31/98	SS
P132101R	607241.11	7057782.67	60P	8	g		Ta	Kqm	LAMP	Mas	dgy		S2			Ph1	wk	P	5	Cp	1	Po	1	07/31/98	SS
P132102R	607234.57	7057792.60	60P	8	g		Ta	Kqm	LAMP	Mas	dgy		S2			Ph1	wk	P	5	Cp	1	Po	1	07/31/98	SS
P132103R	608038.98	7058467.66	60P	8	g		Rb	Kqm	QZT	Frac	wh		S3	A1		Ph1	md	Scor	10					07/31/98	SS
P132104R	607926.24	7058508.29	60P	8	cg		Rb	Kqm	FP	Frac	gmish	C1	S2	A2		Ph1	wk	Scor	10	P	3			07/31/98	SS
P132105R	607957.40	7058471.59	60P	8	cg		Rb	Kqm	FP	Frac	gmish	C1	S2	A2		Ph1	wk	Scor	10	P	3			07/31/98	SS
P132106R	607966.22	7058523.01	60P	8	g		Rb	Kqm	QZT	Frac	gmish		S3	A1		Ph1	md	Scor	10	P	3			07/31/98	SS
P132107R	607903.67	7058579.25	60P	8	cg		Rb	Kqm	FP	Frac	gmish	C1	S2	A2		Ph1	wk	Scor	10	P	3			07/31/98	SS
P132108R	607849.69	7058586.91	60P	8	cg		Ta	Kqm	FP	Mas	gmish	C1	S2	A2		Ph1	wk	Scor	10	P	3			07/31/98	SS
P132251R	604773.31	7058495.37	60M	8	cg		Rb		ARG	brec		C1	S2	A1			wk							07/30/98	SG/ET
P132252R	604810.65	7058543.45	60M	8	cg		Rb		ARG	brec	yl	C1	S2	A2			md							07/30/98	SG/ET
P132253R	604784.23	7058551.82	60M	8	cg		Rb		ARG	brec	yl		S2	A2										07/30/98	SG/ET
P132254R	604893.34	7059029.44	60M	8	cg		Rb		PHY															07/30/98	SG/ET
P132255R	604961.15	7058905.46	60M	8	cg		Rb		PHY															07/30/98	SG/ET
P132256R	605020.82	7058963.39	60M	8	cg		Rb		ARG	brec			S3	A2			st							07/30/98	SG/ET
P132257R	605137.91	7058683.31	60M	8	ch	0.8	Oc		ARG	brec	yl		S1	A1										07/30/98	SG/ET
P132258R	605200.86	7058498.77	60M	8	ch	0.6	Oc		ARG	brec			S2	A2										07/30/98	SG/ET
P132392R	602523.63	7059628.96	60R	8	cg		Rb	OSDr	SLT	Qz-barite	wh		S1				wk	P	3	Ba	5			07/31/98	CS
P132393R	602455.19	7059586.24	60R	8	cg		Rb	OSDr	SLT	barite	buff		S1				wk	P	<1	Ba	60			07/31/98	CS
P132394R	602700.35	7060388.83	60R	8	cg		Ta	OSDr	SLT	Qz-carb	brn	C2		A2			st	P	2	Sp?	1			07/31/98	CS
P132395R	602761.19	7060547.69	60R	8	cg		Rb	OSDr	SH	Qz vn	tan		S1	A1			md	P	2					07/31/98	CS
P132396R	602867.89	7060497.15	60R	8	cg		Ta	Kqm	DR	Mas	blue	C1	S2			Ph3	md	P	5	As	lr			07/31/98	CS
P132397R	602800.17	7061038.96	60R	8	cg		Ta	OSDr	SLT	brec	brn	C2	S3	A1			wk	P	2					07/31/98	CS
P132398R	602732.45	7061580.78	60R	8	c	1.5	Oc	OSDr	SH	graphitic	blk			A1			wk							07/31/98	CS
P132399R	602347.36	7061774.75	60R	8	cg		Ta	Kqm	Lamp	Q-B-Por	brn			A1			wk							07/31/98	CS
P132400R	601952.63	7061650.48	60R	8	g		FI	OSDr	QZTE	Frac	wh													07/31/98	CS
P132457R	608042.82	7057805.97	60S	8	cg		FI	DMe	SH		blk						md	P	2					07/31/98	GDM
P132458R	607913.45	7058025.97	60S	8	g		FI	DMe	ARG	brec	blk						md	P	5					07/31/98	GDM
P132459R	607992.85	7058126.07	60S	8	cg		FI	DMe	SS	vn	brn		S1			Ph1	st	P	1	Hem	1			08/01/98	GDM
P132460R	608110.12	7058445.67	60S	8	cg		Oc	DMe	CPC	Mas	gry		S2	A1			wk							08/01/98	GDM

**Lightning - Target 60
Rock Sample Results Sheet**

Sample	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	Ti	U	V	W	Zn	Comments
M518774R	2	0.1	0.56	168	900	0.2	1	0.01	0.2	2	165	19	2.49	5	0	0.24	10	0.02	45	28	0	11	680	2	12	1	59	0	5	5	41	5	80	arsenate oxysalts, 0-1 m
M518775R	2	0.2	0.49	56	1080	0.2	1	0	0.2	1	199	4	1.33	5	1	0.28	10	0.02	20	12	0	7	490	4	8	0	96	0	5	5	26	5	36	arsenate oxysalts, 1-2 m
M518776R	40	0.2	0.4	124	420	0.2	1	0.01	0.2	1	229	7	1.89	5	0	0.24	5	0.01	25	13	0	5	1240	8	8	0	77	0	5	5	32	5	30	arsenate oxysalts, 2-3 m
M518777R	20	0.6	0.36	10	510	0.2	1	0.03	0.2	0	98	1	0.53	5	0	0.19	5	0.03	5	6	0	1	160	1	4	0	81	0	5	5	60	5	2	3.9 m west of M518776R
M518778R	15	0.4	0.44	8	520	0.2	1	0	0.2	0	109	1	0.27	5	0	0.18	5	0.02	5	3	0	1	140	1	4	0	75	0	5	5	75	5	1	sparse oxysalts, 110-120 degrees str
M518779R	15	0.8	0.42	174	400	0.2	1	0.01	0.2	1	155	6	2.9	5	0	0.47	5	0.02	25	50	0	8	1310	12	18	1	292	0	5	5	44	5	26	1.5 m east of M518774R
M685764R	35	1.4	0.1	88	420	0.2	1	0	0.2	2	157	11	5.68	5	320	0.3	5	0	15	24	0	3	990	6	28	0	188	0	5	5	87	5	26	
M685765R	75	0.6	0.19	62	350	0.25	1	0	0.25	1	135	5	1.01	5	340	0.1	5	0	15	1	0	4	320	6	2	0.5	35	5	5	5	12	5	12	sheared, rusty weathering
M685766R	20	2.6	0.22	20	230	0.2	1	0	0.2	0	161	7	0.56	5	470	0.1	5	0.01	10	3	0	4	180	6	10	0	3	0	5	5	25	5	10	
M685800R	2	0.1	0.13	1	900	0.25	1	0	0.25	0.5	142	9	0.45	5	20	0.03	5	0	10	1	0	3	30	1	1	0.5	7	5	5	5	5	5	16	13070NE
M687051R	25	2.2	0.49	28	2090	0.25	1	0.04	0.5	2	42	43	1.74	5	260	0.07	5	0.11	35	7	0	20	110	18	2	1	47	5	5	5	23	5	124	Tempest claim, North Draw
M688649R	10	0.1	0.2	1	770	0.25	1	7.56	0.25	3	69	19	1.76	5	40	0.005	5	4.69	260	0.5	0	10	860	1	1	1	7320	5	5	10	15	5	52	highly altered
M688650R	10	0.4	0.65	8	7360	0.25	1	2.81	0.25	3	104	21	1.41	5	40	0.01	5	1.46	170	1	0	18	1400	1	1	1	2010	5	5	10	13	5	48	composite chips approx 20M across
P132095R	2	0.1	0.57	64	400	0.5	1	0.01	0.25	0.5	71	7	0.69	5	20	0.35	5	0.01	35	0.5	0.05	6	100	44	1	0.5	12	5	5	5	0.5	5	48	Dyke, at least 5 m in thickness
P132096R	30	1.6	0.2	1	40	0.25	1	0.01	0.25	1	94	70	2.93	5	70	0.04	5	0.02	15	0.5	0.01	7	160	94	2	0.5	42	5	5	5	3	5	28	Barite "eggs" with cubic Pyrite
P132097R	2	0.1	0.32	142	3450	0.5	1	0	0.25	0.5	122	9	0.56	5	350	0.19	5	0	25	0.5	0	2	70	4	1	0.5	24	5	5	5	1	5	8	Large barite crystals - 30 vol. %
P132098R	2	0.1	0.51	232	1080	0.5	1	0	0.25	0.5	248	23	1.05	5	160	0.23	5	0.01	35	0.5	0	4	110	6	1	0.5	10	5	5	5	3	5	14	Probably, had Py content more than 2
P132099R	10	2.2	0.12	2	150	0.25	1	0.01	0.25	3	162	44	2.64	5	170	0.01	5	0	30	2	0.05	12	320	32	1	0.5	109	5	5	5	5	5	70	Fine-grained Py; large "egg"
P132100R	2	0.1	4.85	22	10000	0.5	1	2.66	32	5	30	12	1.76	5	180	0.03	5	1.53	695	2	0	118	400	4	1	5	945	5	5	10	81	5	1550	Scor and white mica along fractures
P132101R	215	0.1	0.19	1	360	0.25	1	0.77	1.5	10	18	134	150	5	60	0.005	5	3.38	10000	0.5	0	37	770	2	8	27	162	5	5	30	48	5	318	Lamprophyric dyke
P132102R	165	0.1	0.16	1	150	0.25	1	0.59	7.5	19	52	547	150	5	70	0.005	5	2.63	10000	0.5	0	47	1130	14	1	22	141	5	5	10	29	5	368	Lamprophyric dyke
P132103R	10	0.8	0.16	24	450	0.25	1	0	0.25	0.5	212	5	1.56	5	610	0.19	5	0.03	250	8	0	2	260	8	18	0.5	22	5	5	5	21	5	4	Quartz vein in altered FP dyke
P132104R	100	0.2	0.91	88	1050	0.25	1	0	0.25	0.5	105	8	1.71	5	530	0.38	5	0.07	115	9	0	7	250	12	10	1	14	5	5	5	28	5	4	Altered dyke
P132105R	295	0.6	0.71	154	960	0.25	1	0	0.25	0.5	158	3	1.37	5	810	0.36	5	0.05	15	3	0	4	280	8	10	2	21	5	5	5	24	5	2	Altered dyke
P132106R	30	7	0.27	66	780	0.25	1	0	0.25	0.5	335	27	0.82	5	2310	0.12	5	0.01	25	5	0	4	350	118	72	0.5	94	5	5	5	16	5	6	Quartz vein in altered FP dyke
P132107R	735	1	0.82	62	1440	0.25	1	0	0.25	0.5	102	3	1.35	5	670	0.36	5	0.05	25	3	0	6	70	12	14	1	8	5	5	5	18	5	1	Altered dyke
P132108R	230	0.8	0.58	62	1860	0.25	1	0	0.25	0.5	156	1	0.35	5	750	0.28	5	0.04	15	2	0	2	50	8	12	0.5	12	5	5	5	19	5	1	Altered dyke
P132251R	2	0.1	0.33	8	3040	0.25	1	6.86	0.25	7	57	17	1.01	5	10	0.06	5	3.39	385	0.5	0	20	230	2	1	1	690	5	5	5	16	5	62	
P132252R	2	0.1	0.47	10	3080	0.25	1	3.03	0.25	6	113	23	0.79	5	30	0.11	5	1.46	350	1	0	25	1120	4	1	1	552	5	5	5	25	5	52	
P132253R	10	0.2	0.4	24	2780	0.25	1	0.43	0.25	13	166	35	2.07	5	50	0.05	5	0.27	380	1	0	40	80	6	1	1	64	5	5	5	19	5	140	
P132254R	2	0.1	0.61	1	690	0.25	1	0.12	0.25	12	26	46	9.21	5	50	0.12	5	0.52	2070	0.5	0	35	40	8	1	15	27	5	5	5	43	5	178	
P132255R	20	0.1	0.43	14	1180	0.25	1	4.29	0.25	11	37	37	2.96	5	80	0.08	5	1.6	2580	0.5	0	36	130	6	2	9	828	5	5	10	21	5	96	
P132256R	60	0.1	0.47	8	840	0.25	1	0.04	0.25	13	201	222	12.15	5	50	0.02	5	0.04	1630	1	0	42	300	34	6	5	22	5	5	5	18	5	196	
P132257R	15	0.1	0.41	12	3050	0.25	1	0	0.25	1	133	25	0.52	5	5	0.11	5	0.06	20	1	0	9	50	14	1	1	15	5	5	5	9	5	20	
P132258R	30	0.1	0.43	18	820	0.25	1	0	0.25	2	178	31	0.87	5	30	0.12	5	0.05	20	1	0	6	80	18	2	1	12	5	5	5	15	5	22	
P132392R	10	0.1	1.85	22	10000	0.25	1	0.01	1.5	7	106	35	1.32	5	320	0.04	5	0.02	475	1	0	26	100	12	1	3	86	5	5	5	10	5	70	Qz-barite veining, dissem Py
P132393R	2	0.2	0.6	6	7230	0.25	1	0	0.5	2	17	9	0.47	5	120	0.005	5	0	225	0.5	0	8	10	6	4	1	288	5	5	5	5	5	22	Bedded baritic seds, frac. cont. P
P132394R	20	0.6	0.42	24	120	0.25	1	0.44	0.25	15	115	54	9.04	5	90	0.01	5	0.17	10000	2	0	36	530	16	6	3	216	5	5	5	12	5	266	Strong lim. after sulphides
P132395R	10	0.2	0.39	48	3590	0.25	1	0	0.25	2	241	54	2.33	5	50	0.05	5	0.04	215	1	0	12	50	16	2	3	18	5	5	5	27	5	72	Qz vein + stwk; loc. Py, carb alt
P132396R	2	0.1	1.05	24	3010	0.25	1	1.69	0.25	11	38	15	3.24	5	30	0.4	30	0.45	665	1	0.04	11	600	22	1	7	171	5	5	5	13	5	112	F.gr dissem py; diorite?
P132397R	2	0.6	0.85	48	5250	0.25	1	0.65	0.5	4	96	31	2.1	5	140	0.04	5	0.29	520	0.5	0.05	20	690	20	10	4	316	5	5	5	10	5	110	Microbreccia + qz stringers
P132398R	10	10.2	2.15	94	2930	1	1	1.07	3.5	1	132	98	2.06	5	5340	0.12	5	0.04	10	24	0	56	6530	14	24	4	279	5	5	10	1160	5	254	Fspar (?) porphyroblasts, lim. al fol
P132399R	2	0.1	1.72	1	600	0.25	1	0.82	2	17	55	13	3.84	5	140	0.42	30	0.39	1140	0.5	0.02	35	620	38	1	5	30	5	5	5	21	5	634	Lamprophyre; 5% Qz-biot porphyry
P132400R	2	0.1	0.07	6	140	0.25	1	0	0.25	0.5	261	3	0.31	5	30	0.02	5	0	15	3	0	3	30	10	2	0.5	29	5	5	5	4	5	6	Frac. cont yellow stain + prob weath
P132457R	2	1.8	0.72	10	1330	0.25	1	0.04	2.5	21	31	13	3.95	5	310	0.28	5	0.04	340	8	0	14	470	46	10	1	40	5	5	5	95	5	398	
P132458R	2	0.1	0.75	20	890	0.25	1	0	0.25	0.5	217	26</																						

APPENDIX 3
SILT ASSAY RESULTS

Lightning - Target 60
Silt Sample Description Sheet

Sample No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
M686571T	602734.04	7060405.69	60X	8	65	brn	07/02/98	SG/ET
M686572T	602853.89	7060553.26	60X	8	95	brn	07/02/98	SG/ET
M686573T	602930.64	7060628.98	60X	8	65	brn	07/02/98	SG/ET
M686574T	602982.69	7060651.75	60X	8	70	brn	07/02/98	SG/ET
M686575T	602977.43	7060616.75	60X	8	60	brn	07/02/98	SG/ET
M686576T	603064.45	7060712.43	60X	8	20	brn	07/02/98	SG/ET
M686577T	603100.38	7060772.31	60X	8	50	or	07/02/98	SG/ET
M686578T	602591.68	7060237.20	60X	8	70	brn	07/02/98	SG/ET
M686579T	602514.09	7060197.52	60X	8	80	brn	07/02/98	SG/ET
M686580T	602501.67	7060155.54	60X	8	40	tan	07/02/98	SG/ET
M686581T	602439.43	7060132.81	60X	8	80	tan	07/02/98	SG/ET
M686582T	602373.38	7060163.15	60X	8	80	tan	07/02/98	SG/ET
M686583T	603913.75	7056208.71	60X	8	50	brn	07/02/98	SG/ET
M686584T	603931.65	7056251.95	60X	8	60	tan	07/02/98	SG/ET
M686585T	603876.53	7056250.53	60X	8	15	red	07/02/98	SG/ET
M686586T	603822.71	7056190.51	60X	8	60	tan	07/02/98	SG/ET
M686587T	603761.75	7056210.38	60X	8	70	tan	07/02/98	SG/ET
M686588T	603712.28	7056171.52	60X	8	70	brn	07/02/98	SG/ET
M686589T	603645.06	7056181.35	60X	8	40	tan	07/02/98	SG/ET
M686590T	603686.97	7056107.15	60X	8	40	brn	07/02/98	SG/ET
M686591T	603569.54	7056099.34	60X	8	60	brn	07/02/98	SG/ET
M686592T	603596.16	7056026.32	60X	8	60	tan	07/02/98	SG/ET
M686593T	603561.76	7055969.12	60X	8	75	tan	07/02/98	SG/ET
M686594T	603486.23	7055966.92	60X	8	85	brn	07/02/98	SG/ET
M686595T	603421.09	7055898.94	60X	8	65	brn	07/02/98	SG/ET
M686596T	603366.99	7055816.70	60X	8	65	brn	07/02/98	SG/ET
M686597T	603298.21	7055784.12	60X	8	70	brn	07/02/98	SG/ET
M686598T	602872.40	7055637.27	60X	8	60	gry	07/02/98	SG/ET
M686599T	602719.71	7055785.41	60X	8	60	bl	07/02/98	SG/ET
M686600T	602458.90	7055657.98	60X	8	80	bl	07/02/98	SG/ET
M686646T	606340.22	7059034.80	60F	8	95	bl	06/19/98	SG/ET
M686647T	606351.82	7058984.16	60F	8	70	gry/brn	06/19/98	SG/ET
M686648T	606372.75	7058945.55	60F	8	80	gry/brn	06/19/98	SG/ET
M686649T	606371.00	7058887.99	60F	8	90	dgry	06/19/98	SG/ET
M686650T	606429.83	7058860.07	60F	8	90	gry brn	06/19/98	SG/ET
M686766T	605216.76	7056294.43	60X	8	70	gry	06/12/98	SE
M686767T	607686.04	7056786.59	60X	8	80	gry	06/12/98	SE
M686870T	602080.97	7056024.75	60X	8	70	brn	06/14/98	SG/ET
M686871T	604545.28	7060272.11	60X	8	20	brn	06/14/98	SG/ET
M686933T	604297.53	7056300.47	60X	8	70	brn	06/10/98	SG/ET
M686934T	604627.65	7056906.98	60X	8	50	brn	06/10/98	SG/ET
M686935T	605153.10	7057749.76	60X	8	50	tan	06/10/98	SG/ET
M686936T	605678.54	7058592.53	60X	8	70	brn	06/10/98	SG/ET
M686937T	605846.55	7058806.86	60X	8	100	tan	06/10/98	SG/ET
M686938T	605941.68	7058986.64	60X	8	100	tan	06/10/98	SG/ET
M686939T	606141.82	7059320.83	60X	8	95	brn	06/10/98	SG/ET
M686940T	606307.43	7059586.70	60X	8	70	blk	06/10/98	SG/ET
M686941T	603321.60	7055375.76	60X	8	70	gry	06/10/98	SG/ET
M686942T	603153.25	7055295.78	60X	8	70	brn	06/10/98	SG/ET
M686943T	603705.67	7058866.69	60X	8	30	tan	06/11/98	SG/ET
M686944T	603547.31	7058608.82	60X	8	50	gry	06/11/98	SG/ET
M686945T	603546.52	7058546.20	60X	8	50	gry	06/11/98	SG/ET
M686946T	603152.22	7058188.88	60X	8	40	brn	06/11/98	SG/ET
M686947T	603129.69	7058104.25	60X	8	40	brn	06/11/98	SG/ET
M686948T	603131.01	7058044.66	60X	8	50	gry	06/11/98	SG/ET
M686949T	602506.07	7056959.53	60X	8	40	brn	06/11/98	SG/ET
M686950T	602282.87	7056416.49	60X	8	50	brn	06/11/98	SG/ET
M687311T	607977.34	7057791.53	60S	8	20	brn	07/31/98	GDM
M687312T	608124.22	7057627.29	60S	8	90	or	07/31/98	GDM
M687401T	607086.52	7059344.02	60L	8	90	tan	07/17/98	SG/ET
M687402T	607120.37	7059326.26	60L	8	90	brn	07/17/98	SG/ET

Lightning - Target 60
Silt Sample Description Sheet

Sample_No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
M687403T	607124.99	7059368.64	60L	8	65	brn	07/17/98	SG/ET
M687404T	607056.62	7059287.56	60L	8	90	tan	07/17/98	SG/ET
M687405T	606941.93	7059415.09	60L	8	70	tan	07/17/98	SG/ET
M687422T	605457.45	7058537.37	60M	8	90	tan	07/31/98	SG/ET
M687423T	605427.43	7058503.36	60M	8	90	brn	07/31/98	SG/ET
M687424T	605503.30	7058452.02	60M	8	80	brn	07/31/98	SG/ET
M687425T	605513.11	7058420.60	60M	8	70	brn	07/31/98	SG/ET
M687426T	605521.73	7058376.05	60M	8	95	brn	07/31/98	SG/ET
M687427T	605531.03	7058626.47	60M	8	65	brn	07/31/98	SG/ET
M687701T	611422.44	7058067.89	60K	8	100	gry	06/20/98	SG/ET
M687702T	611337.46	7058021.15	60K	8	95	gry	06/20/98	SG/ET
M687703T	611285.24	7057993.32	60K	8	70	brn	06/20/98	SG/ET
M687704T	611258.64	7057856.98	60K	8	90	brn	06/20/98	SG/ET
M687705T	611167.80	7057842.38	60K	8	60	brn	06/20/98	SG/ET
M687706T	611195.02	7057805.12	60K	8	60	red	06/20/98	SG/ET
M687707T	611065.00	7057860.96	60K	8	90	brn	06/20/98	SG/ET
M687708T	611004.91	7057990.71	60K	8	75	gry	06/20/98	SG/ET
M687709T	610974.01	7058076.16	60K	8	80	gry brn	06/20/98	SG/ET
M687710T	610927.01	7058062.35	60K	8	60	gry	06/20/98	SG/ET
M688401T	602392.86	7055767.68	60X	8	90	dbm	07/02/98	SG/ET
M688402T	602296.28	7055785.00	60X	8	90	dbm	07/02/98	SG/ET
M688403T	602232.83	7055850.35	60X	8	75	dbm	07/02/98	SG/ET
M688404T	602152.02	7055914.87	60X	8	70	dbm	07/02/98	SG/ET
M690301T	606443.63	7058822.54	60F	8	75	dgry	06/19/98	SG/ET
M690302T	606482.96	7058785.74	60F	8	90	dgry	06/19/98	SG/ET
M690303T	606434.08	7058793.35	60F	8	90	dgry	06/19/98	SG/ET
M690304T	606408.97	7058744.13	60F	8	75	gry brn	06/19/98	SG/ET
M690305T	606447.90	7058756.83	60F	8	70	bl	06/19/98	SG/ET
M690306T	606487.52	7058743.27	60F	8	90	dgry	06/19/98	SG/ET
M690307T	606468.77	7058713.17	60F	8	80	gry	06/19/98	SG/ET
M690308T	606425.49	7058679.30	60F	8	90	bl	06/19/98	SG/ET
M690309T	606462.31	7058685.96	60F	8	90	dgry	06/19/98	SG/ET
M690310T	606465.13	7058596.94	60F	8	70	dgry	06/19/98	SG/ET
M690311T	606485.96	7058540.24	60F	8	60	dgry	06/19/98	SG/ET
M690312T	606449.31	7058626.51	60F	8	65	dgry	06/19/98	SG/ET
M690313T	606872.30	7059476.46	60F	8	60	bl	06/19/98	SG/ET
M690314T	606924.09	7059456.70	60F	8	80	bl	06/19/98	SG/ET
M690315T	606969.50	7059416.81	60F	8	100	red/brn	06/19/98	SG/ET
M690316T	607010.07	7059398.18	60F	8	100	gry	06/19/98	SG/ET
M690317T	606901.02	7059407.46	60F	8	80	bl	06/19/98	SG/ET
M690318T	606460.00	7059330.00	60K	8			06/20/98	SG/ET
M690319T	606260.00	7059160.00	60K	8			06/20/98	SG/ET
M690320T	606220.00	7059160.00	60K	8			06/20/98	SG/ET
M690321T	606285.00	7059150.00	60K	8			06/20/98	SG/ET
M690322T	607000.00	7059540.00	60K	8			06/20/98	SG/ET
M690323T	606990.00	7059510.00	60K	8			06/20/98	SG/ET
M690324T	610815.57	7058394.05	60K	8	50	bl	06/20/98	SG/ET
M690325T	610847.29	7058284.51	60K	8	65	brn	06/20/98	SG/ET
M690326T	610914.74	7058181.82	60K	8	30	wh	06/20/98	SG/ET
M690327T	610982.61	7058130.30	60K	8	50	brn	06/20/98	SG/ET
M690328T	610896.87	7058115.68	60K	8	75	brn	06/20/98	SG/ET
M690329T	610559.24	7058956.27	60K	8	70	brn	06/20/98	SG/ET
M690330T	610573.02	7059020.42	60K	8	90	dgry	06/20/98	SG/ET
M690331T	610643.66	7058959.86	60K	8	90	dgry	06/20/98	SG/ET
M690332T	610922.44	7058995.59	60K	8	60	tan	06/20/98	SG/ET
M690333T	610975.53	7058880.93	60K	8	70	brn	06/20/98	SG/ET
M690334T	611114.14	7058879.23	60K	8	70	bl	06/20/98	SG/ET
M690335T	611257.59	7058845.39	60K	8	80	tan	06/20/98	SG/ET
M690336T	611323.09	7058877.18	60K	8	80	red/brn	06/20/98	SG/ET
M690337T	611335.37	7058759.71	60K	8	70	brn	06/20/98	SG/ET
M690338T	611374.89	7058854.84	60K	8	85	gry brn	06/20/98	SG/ET

Lightning - Target 60
Silt Sample Description Sheet

Sample_No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
M690339T	611403.81	7058777.43	60K	8	70	tan	06/20/98	SG/ET
M690340T	611474.03	7058764.03	60K	8	85	brn	06/20/98	SG/ET
M690341T	611530.00	7058751.71	60K	8	80	gry brn	06/20/98	SG/ET
M690342T	611568.58	7058733.45	60K	8	50	gry	06/20/98	SG/ET
M690343T	611552.80	7058674.33	60K	8	65	tan	06/20/98	SG/ET
M690344T	611600.95	7058703.18	60K	8	60	gry	06/20/98	SG/ET
M690345T	611600.23	7058615.89	60K	8	40	gry	06/20/98	SG/ET
M690346T	611558.74	7058528.79	60K	8	80	brn	06/20/98	SG/ET
M690347T	611505.19	7058337.40	60K	8	60	bl	06/20/98	SG/ET
M690348T	611536.45	7058296.10	60K	8	70	brn	06/20/98	SG/ET
M690349T	611476.52	7058198.06	60K	8	70	bl	06/20/98	SG/ET
M690350T	611478.83	7058106.74	60K	8	60	tan	06/20/98	SG/ET
P132218T	607243.98	7058212.72	60N	8	100	bl	07/31/98	SE
P132219T	607271.44	7058286.16	60N	8	100	bl	07/31/98	SE
P132220T	607283.89	7058383.00	60N	8	70	gry	07/31/98	SE
P132222T	607295.03	7058456.62	60N	8	100	gry	07/31/98	SE
P132223T	607291.93	7058533.43	60N	8	100	gry	07/31/98	SE
P132224T	607307.00	7058595.89	60N	8	100	gry	07/31/98	SE
P132225T	607310.12	7058680.71	60N	8	100	gry	07/31/98	SE
P132226T	607301.07	7058771.73	60N	8	100	gry	07/31/98	SE
P132227T	607288.64	7058837.52	60N	8	70	gry	07/31/98	SE
P132228T	607278.28	7058905.32	60N	8	90	gry	07/31/98	SE
P132229T	607315.72	7058961.47	60N	8	90	gry	07/31/98	SE
P132230T	607357.11	7059006.48	60N	8	90	gry	07/31/98	SE
P132231T	607393.53	7059062.65	60N	8	100	bl	07/31/98	SE
P132232T	607003.31	7058383.05	60N	8	100	bl	07/31/98	SE
P132233T	607017.37	7058445.52	60N	8	100	bl	07/31/98	SE
P132234T	607024.56	7058530.30	60N	8	100	bl	07/31/98	SE
P132235T	607044.02	7058615.95	60N	8	100	bl	07/31/98	SE
P132236T	607071.77	7058712.62	60N	8	90	bl	07/31/98	SE
P132237T	607121.09	7058820.17	60N	8	80	bl	07/31/98	SE
P132238T	607150.26	7058867.32	60N	8	70	gry	07/31/98	SE
P132239T	607194.20	7058952.70	60N	8	70	gry	07/31/98	SE
P132240T	607279.68	7059015.41	60N	8			07/31/98	SE
P132241T	607473.43	7059187.84	60N	8	80	or	07/31/98	SE
P132242T	607478.31	7059230.41	60N	8	70	or	07/31/98	SE
P132243T	607487.20	7059368.71	60N	8	80	or	07/31/98	SE
P132244T	607484.21	7059454.60	60N	8	80	or	07/31/98	SE
P132245T	607497.80	7059560.52	60N	8	70	or	07/31/98	SE
P132246T	607569.44	7059577.92	60N	8	60	or	07/31/98	SE
P132247T	607519.51	7059663.32	60N	8	70	or	07/31/98	SE
P132248T	607533.24	7059780.35	60N	8	70	or	07/31/98	SE
P132416T	601952.95	7061716.54	60R	8	60	fgry	07/31/98	CS
P132417T	601990.94	7061566.22	60R	8	70	dgry	07/31/98	CS
P132418T	601955.99	7061498.32	60R	8	75	dgry	07/31/98	CS
P132419T	601897.89	7061488.59	60R	8	85	bl	07/31/98	CS
P132775T	605427.49	7058186.17	60Q	8	70	brn	07/31/98	M.M.
P132776T	605378.09	7058072.56	60Q	8	70	brn	07/31/98	M.M.
P132777T	605382.87	7057886.64	60Q	8	75	brn	07/31/98	M.M.
P132778T	605384.74	7057711.86	60Q	8	65	gry	07/31/98	M.M.
P132779T	605335.95	7057565.92	60Q	8	70	brn	07/31/98	M.M.
P132780T	605216.50	7057399.55	60Q	8	65	brn	07/31/98	M.M.
P132781T	605116.72	7057255.18	60Q	8	80	gry	07/31/98	M.M.
P132782T	605024.93	7057097.59	60Q	8	70	gry brn	07/31/98	M.M.
P132783T	604958.85	7056955.88	60Q	8	60	brn	07/31/98	M.M.
P132784T	604930.24	7056791.54	60Q	8	70	gry brn	07/31/98	M.M.
P132785T	605025.37	7056650.09	60Q	8	70	brn	07/31/98	M.M.
P132786T	605079.89	7056524.23	60Q	8	70	brn	07/31/98	M.M.
P132787T	605145.47	7056385.12	60Q	8	70	brn	07/31/98	M.M.
P132788T	605253.68	7056229.38	60Q	8	75	brn	07/31/98	M.M.
P132789T	606683.82	7057809.75	60T	8	60	gry brn	08/01/98	M.M.

Lightning - Target 60
Silt Sample Description Sheet

Sample_No	X_Coord	Y_Coord	Traverse	Zone	Fines	Colour	Date	Name
P132790T	606688.19	7057672.32	60T	8	65	gry brn	08/01/98	M.M.
P132791T	606697.52	7057522.72	60T	8	60	tan	08/01/98	M.M.
P132792T	606707.34	7057331.69	60T	8	60	tan	08/01/98	M.M.
P132793T	606622.86	7057187.15	60T	8	70	gry brn	08/01/98	M.M.
P132794T	606485.90	7057088.65	60T	8	70	gry brn	08/01/98	M.M.
P132795T	606373.16	7056967.65	60T	8	70	gry	08/01/98	M.M.
P132796T	606186.02	7056854.55	60T	8	70	gry brn	08/01/98	M.M.
P132797T	605977.81	7056688.13	60T	8	70	gry brn	08/01/98	M.M.
P132798T	605799.47	7056544.63	60T	8	65	gry brn	08/01/98	M.M.
P132799T	605664.93	7056475.39	60T	8	70	gry	08/01/98	M.M.
P132800T	605476.43	7056414.83	60T	8	80	gry	08/01/98	M.M.
P133401T	607361.00	7057946.78	60U	8	100	gry	08/01/98	SE
P133402T	607451.29	7057986.20	60U	8	90	gry	08/01/98	SE
P133403T	607566.70	7057995.03	60U	8	80	gry	08/01/98	SE
P133404T	607720.40	7058046.89	60U	8	60	gry	08/01/98	SE
P133405T	607809.32	7058059.04	60U	8	60	gry	08/01/98	SE
P133406T	607926.03	7058090.09	60U	8	80	gry	08/01/98	SE
P133407T	607920.85	7058163.89	60U	8	60	gry	08/01/98	SE
P133408T	608125.76	7058069.72	60U	8	70	gry	08/01/98	SE
P133409T	608236.31	7058018.00	60U	8	70	gry	08/01/98	SE
P133410T	608359.52	7057999.49	60U	8	60	or	08/01/98	SE
P133411T	608482.08	7057991.34	60U	8	60	or	08/01/98	SE
P133412T	608583.00	7057991.84	60U	8	60	gry	08/01/98	SE
P133413T	608632.57	7058069.86	60U	8	90	brn	08/01/98	SE
P133414T	608718.43	7057975.10	60U	8	60	brn	08/01/98	SE
P133415T	608851.82	7057957.37	60U	8	60	gry	08/01/98	SE
P133416T	608909.47	7057902.90	60U	8	80	gry	08/01/98	SE
P133417T	609000.60	7057828.18	60U	8	90	gry	08/01/98	SE
P133418T	609029.46	7057742.74	60U	8	90	gry	08/01/98	SE
P133419T	609078.24	7057725.44	60U	8	90	gry	08/01/98	SE
P133420T	609128.20	7057726.19	60U	8	90	gry	08/01/98	SE
P133421T	609177.68	7057794.18	60U	8	90	gry	08/01/98	SE
P133422T	609227.54	7057782.89	60U	8	90	gry	08/01/98	SE
P133423T	610451.28	7057850.00	60U	8	70	gry	08/01/98	SE
P133424T	610479.25	7057780.62	60U	8	70	tan	08/01/98	SE
P133425T	610482.50	7057680.25	60U	8	90	brn	08/01/98	SE
P133426T	610498.19	7057604.92	60U	8	90	brn	08/01/98	SE
P133427T	610509.65	7057510.53	60U	8	90	brn	08/01/98	SE
P133428T	610522.03	7057405.11	60U	8	90	brn	08/01/98	SE

Lightning - Target 60
Silt Sample Results Sheet

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
M686571T	2	0.4	1.44	4	1290	0.25	1	0.51	0.5	10	22	117	2.53	5	250	0.08	5	0.48	650	6	5	29	1230	16	1	1	189	5	5	5	31	5	150	Trickle, saddle, silt, organic
M686572T	2	0.2	1.63	24	1080	0.25	1	0.21	0.5	13	25	119	3.64	5	110	0.06	10	0.42	490	6	5	34	1030	20	1	3	97	5	5	5	35	5	178	Dry, saddle, silt, organic
M686573T	15	1.4	3.5	30	810	0.5	1	0.11	3.5	80	23	329	3.9	5	110	0.06	5	0.26	1500	6	5	125	1000	16	4	5	66	0.01	5	5	39	5	624	Main drain, dry, sulfate coating, silt Rx frag, org.
M686574T	10	3.2	3.46	30	750	0.25	1	0.06	3	148	25	453	4.01	5	130	0.07	5	0.3	2920	11	5	135	800	14	1	15	74	0.01	5	5	35	5	448	Main Drain, active, silt Rx frags organic
M686575T	5	2.2	0.8	8	250	0.25	1	0.03	0.25	5	21	101	8.04	5	80	0.06	5	0.22	140	5	5	19	860	12	1	3	29	5	5	5	31	5	82	Seep R, silt Rx frags, organic, Chemical seep
M686576T	30	2.2	1.96	24	210	0.25	1	0.06	2	63	30	252	9.78	5	110	0.06	5	0.2	1615	9	5	47	780	12	2	30	37	5	5	10	26	5	242	Main Cr. silt Rx frags, organic, Chemical soup
M686577T	10	5.6	2.37	6	120	0.25	4	0.08	3	16	37	178	14.75	5	170	0.04	5	0.15	930	7	5	34	670	10	8	9	40	5	5	10	24	10	154	Main Cr. silt Gravel organic
M686578T	2	0.2	1.47	10	1810	0.25	1	0.49	3	10	21	98	2.8	5	90	0.11	10	0.38	1650	5	5	34	1370	16	1	1	187	0.01	5	5	45	5	212	Dry saddle, silt, organic
M686579T	2	0.2	1.29	1	940	0.25	1	0.24	1	9	22	68	2.66	5	60	0.07	10	0.37	595	5	5	29	790	10	1	2	87	0.01	5	5	42	5	164	Main Drain, dry, silt, organic
M686580T	2	0.2	1.46	8	1080	0.25	2	0.19	0.5	10	25	63	2.91	5	60	0.08	10	0.42	655	5	5	49	640	12	1	3	60	0.02	5	5	45	5	166	Seep L, silt Rx frags.
M686581T	2	0.2	1.49	1	2170	0.25	1	0.4	2.5	14	24	98	2.81	5	100	0.08	10	0.46	950	4	5	113	940	14	1	3	154	0.01	5	5	39	5	362	Main Drain, active, sulfate coating, silt, organic
M686582T	2	0.2	1.12	6	830	0.25	1	0.2	0.25	6	21	44	2.57	5	40	0.07	10	0.37	355	6	5	27	780	12	2	1	62	0.01	5	5	45	5	114	Seep R, silt, organic
M686583T	15	1.2	0.7	20	770	0.25	1	0.02	0.25	3	13	56	3.27	5	130	0.05	5	0.1	60	3	5	19	450	10	1	2	25	5	5	5	22	5	78	Major Drain, dry, silt Rx frags, organic
M686584T	35	1.2	0.88	34	1190	0.25	1	0.03	0.25	4	18	95	5.48	5	360	0.05	5	0.15	95	4	5	20	490	18	2	4	38	0.01	5	5	30	5	88	Dry Gully R, silt sand gravel organic
M686585T	30	2.6	0.68	12	650	0.25	1	0.01	0.25	2	11	100	1.50	5	200	0.03	5	0.06	40	3	5	15	370	12	1	3	18	0.01	5	10	18	5	120	Trickle R, silt Rx frags, organic
M686586T	25	3	0.94	22	910	0.25	1	0.02	0.25	6	14	108	6.78	5	200	0.04	5	0.12	170	4	5	26	550	16	1	4	28	5	5	5	22	5	110	Main Cr. silt gravel organic
M686587T	2	0.2	1.06	14	580	0.25	1	0.09	0.25	8	19	54	2.46	5	50	0.05	10	0.27	310	3	5	28	380	6	1	3	22	0.04	5	5	36	5	86	Dry Gully R silt Rx frags, organic
M686588T	15	2.4	2.08	10	780	0.25	1	0.04	0.25	36	18	183	3.54	5	190	0.05	5	0.19	845	5	5	56	530	16	2	5	33	0.01	5	5	28	5	160	Dry Gully R silt Rx frags, organic
M686589T	10	0.4	1.47	10	1120	0.25	1	0.21	1	21	26	147	5.2	5	130	0.08	5	0.39	965	8	5	135	560	14	2	4	141	0.01	5	5	35	5	324	Dry Gully R 10M over silt Rx frags, organic
M686590T	20	2.4	1.92	18	1100	0.25	1	0.03	0.25	28	18	178	5.78	5	250	0.07	5	0.17	830	5	5	38	620	18	4	5	33	0.01	5	5	28	5	140	Main Cr. dry, silt Rx frags, organic
M686591T	15	0.6	1.29	10	510	0.25	1	0.03	0.25	50	15	120	3.55	5	130	0.06	5	0.15	1440	4	5	39	520	16	4	3	26	5	5	5	25	5	122	Dry Gully R, silt gravel organic
M686592T	15	0.6	1.08	24	740	0.25	1	0.03	0.25	17	14	110	4.29	5	140	0.05	5	0.12	455	4	5	31	490	12	2	3	28	5	5	5	23	5	122	Main Cr. silt organic
M686593T	2	0.4	0.82	8	780	0.25	2	0.07	0.25	7	15	44	2.38	5	60	0.05	5	0.22	260	4	5	21	530	10	1	1	31	0.01	5	5	29	5	72	Dry Gully L, silt, organic
M686594T	20	1	1.17	8	1080	0.25	1	0.05	0.25	20	15	99	4.71	5	160	0.06	5	0.15	585	6	5	57	520	12	1	3	43	5	5	5	25	5	184	Main Cr. silt, organic
M686595T	10	0.8	1.5	20	1310	0.25	1	0.08	0.25	20	16	161	3.41	5	120	0.06	5	0.19	650	4	5	80	560	14	1	3	59	5	5	5	27	5	232	Main Cr. silt Rx frags organic
M686596T	10	0.6	1.03	28	1560	0.25	1	0.1	0.5	23	15	122	4.1	5	120	0.06	5	0.19	760	4	5	78	600	14	2	3	76	5	5	5	27	5	170	Main Cr. silt sand Rx frags, organic
M686597T	10	1	0.44	30	1300	0.25	1	0.03	0.25	1	9	33	1.75	5	110	0.05	10	0.03	35	5	5	9	930	10	1	0.5	46	5	5	5	29	5	52	Dry Gully R silt Rx frags organic
M686598T	20	1	0.65	50	2220	0.25	1	0.24	0.25	3	11	38	1.76	5	290	0.08	10	0.22	120	4	5	43	490	12	1	2	180	5	5	5	32	5	110	seep, silt clay organic
M686599T	15	2	0.76	14	1300	0.25	1	0.72	0.5	3	11	74	1	5	630	0.05	5	0.18	90	4	5	37	1640	8	2	3	209	5	5	5	31	5	98	Seep silt organic
M686600T	25	2.2	0.87	18	2220	0.25	1	0.52	0.25	3	14	100	1.88	5	430	0.1	5	0.29	125	1	5	26	860	18	1	3	370	5	5	5	49	5	74	Marsh headwaters silt organic
M686646T	2	2.6	0.72	38	960	0.25	1	0.04	0.25	1	10	29	2.03	5	1150	0.09	10	0.05	25	11	5	8	1140	16	6	0.5	55	5	5	5	63	5	42	Resample 60F M594088T
M686647T	2	2.2	0.61	52	1240	0.25	1	0.03	0.25	1	9	25	3	5	1140	0.08	10	0.04	35	12	5	8	1200	18	10	0.5	66	5	5	5	68	5	56	25 m upslope, silt rock frags, ferrocrete float
M686648T	2	2.2	0.87	22	810	0.25	1	0.04	0.25	2	11	20	1.55	5	1130	0.1	5	0.06	50	8	5	9	1190	18	2	0.5	52	5	5	5	49	5	48	25 m upslope, seepage, silt, organic
M686649T	2	2.6	0.55	50	820	0.25	1	0.02	0.25	1	8	27	2.74	5	1090	0.06	5	0.04	25	11	5	8	1240	16	6	0.5	55	5	5	5	53	5	48	silt, organic, (over from 48)
M686650T	2	2.2	0.63	78	740	0.25	2	0.02	0.25	1	9	23	3.18	5	1160	0.07	5	0.04	25	13	5	8	1310	18	10	0.5	55	5	5	5	71	5	52	silt, organic
M686766T	10	2.4	1.07	26	1100	0.25	1	0.08	0.5	15	16	70	3.89	5	270	0.05	5	0.16	690	13	5	22	1990	10	4	2	92	0.01	5	5	49	5	124	
M686767T	15	7.8	0.43	60	620	0.25	1	0.05	0.25	0.5	13	47	2.21	5	490	0.11	10	0.06	25	17	5	7	3010	18	12	0.5	98	5	5	5	54	5	46	
M686870T	45	2.6	0.92	42	1220	0.25	1	0.69	0.5	5	12	72	4.08	5	830	0.05	5	0.18	490	4	5	48	3720	16	1	3	209	5	5	5	37	5	142	Major ck, silt, graphitic, organics
M686871T	2	2.8	1.16	24	850	0.25	1	0.09	0.5	5	13	87	3.28	5	360	0.04	5	0.19	130	7	5	23	1790	10	8	3	58	5	5	5	31	5	104	Major drain, high silt, organics
M686933T	2	3.6	0.88	34	1250	0.25	1	0.13	1.5	4	15	42	2.6	5	260	0.06	5	0.17	165	17	5	35	1730	16	10	0.5	89	5	5	5	58	5	130	Dry gully, silt + organics
M686934T	20	2	1.4	20	430	0.25	1	0.03	0.25	5	21	91	3.84	5	250	0.06	5	0.32	135	8	5	22	2070	20	2	2	51	5	5	5	25	5	70	Dry gully, silt, graphitic, organics
M686935T	90	2.2	1.96	32	1640	0.25	1	0.18	1	18	24	109	3.85	5	250	0.11	5	0.28	760	7	5	47	1720	34	2	1	106	5	5	5	42	5	182	Trickle into marsh, silt, organics
M686936T	10	7.4	1.26	20	1630	0.25	1	0.12	1.5	2	17	83	2.19	5	720	0.05	5	0.21	80	10	5	19	2580	6	2	0.5	72	5	5	5	38	5	84	Active, opposite side of marsh, organics
M686937T	2	0.4	2.02	24	400	0.25	1	0.19	0.5	10	30	31	3.29	5	140	0.07	10	0.53	385	5	5	24	1180	12	2	3	31	0.03	5	5	52	5	142	Dry silt
M686938T	2	3.4	0.68	40	830	0.25	1	0.11	1.5	4	16	50																						

**Lightning - Target 60
Silt Sample Results Sheet**

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	
M687403T	100	20.6	0.9	8	730	0.25	1	0.05	0.5	1	14	62	0.94	5	5	0.1	5	0.04	15	5	0.01	23	2060	16	8	0.5	28	5	5	5	31	5	28	Dry, silt organic	
M687404T	20	1.4	1.72	46	340	0.25	1	0.1	0.25	6	28	20	2.86	5	0.5	0.11	10	0.38	235	7	5	17	820	18	10	2	44	0.03	5	5	65	5	84	gouge & silt	
M687405T	15	1.8	0.61	60	570	0.25	1	0.02	0.25	2	12	15	2.13	5	2	0.12	10	0.11	50	11	5	11	770	16	10	1	59	5	5	5	42	5	42	silt Rx frags organic, Argillite, Quartz	
M687422T	20	1	1.15	22	820	0.25	1	0.08	0.25	3	18	48	3.88	5	180	0.07	5	0.2	120	5	5	18	940	18	2	0.5	41	0.01	5	5	49	5	82	15M from M686935T dry, silt organic	
M687423T	10	0.8	0.97	8	620	0.25	1	0.04	0.25	3	16	29	1.91	5	90	0.07	5	0.11	85	3	5	10	1010	12	1	0.5	24	5	5	5	41	5	42	Dry silt organic	
M687424T	20	0.8	1.26	20	780	0.25	1	0.12	0.25	3	20	52	2.68	5	180	0.09	5	0.2	115	5	5	22	1220	20	1	0.5	67	0.01	5	5	54	5	72	Beside marsh, dry, silt clay organic poss gouge	
M687425T	20	2.8	1.01	1	340	0.25	1	0.04	0.25	3	14	122	7.16	5	230	0.04	5	0.08	25	3	5	31	1180	10	2	2	37	5	5	5	19	5	64	Beside Marsh, chemical seep, silt organic	
M687426T	50	5.4	1.96	18	660	0.25	1	0.13	0.5	3	26	225	2.13	5	470	0.08	5	0.25	50	5	5	61	1330	30	1	2	77	5	5	5	37	5	120	Beside marsh, seep, silt clay organic poss gouge	
M687427T	50	1.8	1.59	30	2460	0.25	1	0.09	0.25	3	24	45	2.4	5	810	0.07	5	0.29	85	7	5	23	1020	22	2	1	62	5	5	5	53	5	98	Dry silt clay organic	
M687701T	2	1.8	0.61	26	420	0.25	1	0.11	0.25	4	17	37	2.02	5	480	0.1	10	0.17	95	12	5	16	720	12	6	2	45	0.01	5	5	50	5	70	fault gouge, bank blowout, left side, silt, clay	
M687702T	2	1.4	0.83	48	630	0.5	1	0.19	0.4	12	15	42	2.66	5	540	0.06	10	0.18	365	10	5	71	1260	16	6	2	71	0.01	5	5	43	5	358	main creek, silt, clay, organic	
M687703T	2	1.6	0.92	46	670	0.5	1	0.26	0.6	15	15	49	2.69	5	830	0.07	10	0.16	385	11	49	5	106	1570	20	8	1	85	5	5	5	43	5	402	trickle, right side, silt, gravel, organic
M687704T	2	1.6	0.7	58	1000	0.25	1	0.23	0.5	11	15	44	2.72	5	710	0.06	10	0.13	390	12	5	73	1230	18	8	1	93	5	5	5	47	5	288	seepage, left side, silt, sand	
M687705T	2	1.4	0.92	54	760	0.5	1	0.19	0.45	16	17	45	2.91	5	650	0.07	10	0.18	570	11	5	78	1340	18	6	3	76	0.01	5	5	49	5	376	main creek, silt, gravel, organic	
M687706T	2	1.4	0.39	30	150	0.25	6	0.03	0.5	2	9	23	150	5	430	0.04	5	0.05	45	6	5	7	1480	8	1	1	22	5	5	5	44	5	34	chemical seep, silt, organic, left side	
M687707T	10	8	0.63	66	320	0.25	1	0.04	0.25	2	21	28	2.88	5	1300	0.1	10	0.1	55	42	5	14	2340	18	20	0.5	36	5	5	5	104	5	46	dry gully, silt, organic	
M687708T	10	12	0.48	64	310	0.25	1	0.04	0.25	1	19	23	2.37	5	1370	0.09	10	0.09	45	49	5	12	2280	18	14	0.5	34	5	5	5	94	5	42	trickle, silt, organic	
M687709T	20	20.2	0.51	162	410	0.25	2	0.09	1	0.5	47	24	7.43	5	1810	0.07	5	0.06	40	69	5	19	10000	20	28	1	36	0.01	5	10	262	5	48	active, silt, organic, right side	
M687710T	10	3.4	0.25	22	360	0.25	1	0.04	0.25	0.5	10	9	1.07	5	470	0.09	5	0.03	25	13	5	7	1260	14	8	0.5	27	5	5	5	37	5	16	silt, organic, dry gully	
M688401T	2	1.6	0.72	56	2030	0.25	1	0.89	0.25	5	10	43	6.02	5	370	0.04	5	0.18	875	1	5	34	7180	10	1	3	256	5	5	5	50	5	114	Main Cr. silt organic	
M688402T	10	2.2	1.01	56	980	0.25	2	1.01	1	6	15	52	7	5	530	0.08	5	0.21	1215	4	5	48	7580	12	2	4	257	5	5	5	67	5	158	Main Cr. silt organic	
M688403T	10	2.8	1.3	36	1070	0.25	1	0.96	1.5	6	17	95	4.22	5	910	0.1	5	0.21	585	4	5	54	4840	16	1	4	267	5	5	5	62	5	160	Main Cr. silt organic	
M688404T	20	2.4	1.17	20	1050	0.25	1	0.82	0.5	3	16	68	2.95	5	820	0.09	5	0.19	260	6	5	37	3700	18	1	4	209	5	5	5	55	5	102	Main Cr. silt organic	
M690301T	2	1.8	0.94	30	820	0.25	1	0.03	0.5	1	13	22	1.56	5	970	0.11	10	0.07	35	11	5	11	930	20	2	0.5	50	5	5	5	72	5	52	silt, rock frags, organic, shale in float	
M690302T	2	1.4	0.7	56	940	0.25	1	0.03	0.5	0.5	11	26	2.14	5	750	0.1	10	0.06	30	14	5	10	890	22	8	0.5	83	0.01	5	5	77	5	68	silt, rock frags, organic, shale	
M690303T	2	1.8	0.95	24	810	0.25	1	0.04	0.25	1	15	25	1.35	5	610	0.1	10	0.12	45	8	5	8	850	18	2	0.5	41	5	5	5	65	5	42	silt, organic	
M690304T	2	2.2	0.77	22	1080	0.25	1	0.03	0.25	0.5	12	21	1.21	5	830	0.1	10	0.06	25	8	5	6	890	16	2	0.5	52	5	5	5	58	5	32	silt, rock frags, organic	
M690305T	2	6.2	0.74	40	280	0.25	1	0.04	0.5	1	10	51	1.82	5	1440	0.08	5	0.04	15	11	5	17	2010	16	6	0.5	79	5	5	5	74	5	74	silt, rock frags, organic	
M690306T	2	1.4	0.8	30	750	0.25	1	0.03	0.25	0.5	12	16	1.25	5	420	0.08	10	0.06	25	9	5	7	750	14	2	0.5	42	5	5	5	71	5	44	silt, rock frags, organic	
M690307T	2	0.6	0.69	18	670	0.25	1	0.03	0.25	0.5	13	13	0.98	5	180	0.06	10	0.04	30	6	5	6	550	12	1	0.5	22	0.01	5	5	82	5	32	silt, rock frags, organic, shale	
M690308T	2	2.8	1.2	2	870	0.25	1	0.04	0.5	1	14	42	0.88	5	480	0.06	5	0.06	25	3	5	9	2030	8	1	0.5	27	5	5	5	45	5	18	silt, organic	
M690309T	2	3.4	0.66	74	1050	0.25	1	0.03	0.5	0.5	12	32	2.09	5	810	0.11	10	0.05	20	19	5	11	1130	22	12	0.5	143	5	5	5	98	5	74	silt, organic	
M690310T	2	1.8	0.44	38	650	0.25	1	0.01	0.25	0.5	9	36	2.18	5	540	0.08	10	0.04	20	14	5	7	640	18	10	0.5	68	5	5	5	67	5	54	silt, rock frags, clay	
M690311T	2	2.4	0.77	78	810	0.25	1	0.02	0.5	1	15	41	2.63	5	270	0.14	10	0.05	40	27	5	12	1270	32	14	0.5	182	0.01	5	5	127	5	90	silt, rock frags, possible area of influence	
M690312T	2	1.8	1.17	34	580	0.25	1	0.06	0.25	3	22	40	3.01	5	460	0.09	10	0.2	130	11	5	13	1510	18	4	0.5	57	0.01	5	5	96	5	80	silt, rock frags	
M690313T	20	15.2	0.77	80	690	0.25	1	0.06	0.5	0.5	17	41	4.71	5	1900	0.07	5	0.05	30	15	5	16	2400	26	12	1	42	0.01	5	5	44	5	40	M594090T resample, silt, rock fragments, organic	
M690314T	10	5	0.39	42	610	0.25	1	0.03	0.25	0.5	10	11	3.54	5	580	0.06	10	0.07	30	8	5	7	650	14	10	0.5	32	0.01	5	5	37	5	24	upstream, silt, organic, fault gouge	
M690315T	2	5.6	2.59	1	60	0.5	1	0.04	0.25	0.5	10	176	0.13	5	610	0.01	5	0.01	10	6	5	16	3650	6	18	3	10	0.01	5	5	30	5	18	upstream, left side, dry gully, silt	
M690316T	300	119	1.43	62	250	0.25	1	0.04	0.25	1	43	86	2.79	5	14550	0.24	5	0.09	30	26	5	17	1700	52	26	1	64	0.01	5	5	105	5	42	upstream, left side,	
M690317T	85	20.6	0.87	24	670	0.25	1	0.03	0.25	0.5	14	27	1.04	5	1960	0.11	10	0.06	20	13	5	12	830	34	10	0.5	37	0.01	5	5	44	5	26	silt, organic	
M690318T	2	1.8	0.97	40	960	0.2	1	0.04	1.5	3	11	56	2.37	5	850	0.09	10	0.06	100	14	0	16	920	18	8	2	72	0.01	5	5	67	5	110		
M690319T	2	2	1.19	34	1220	0.2	1	0.05	0.5	3	19	32	2.34	5	690	0.11	10	0.13	85	9	0	16	1450	20	2	1	70	0.01	5	5	59	5	82		
M690320T	2	3.8	0.98	20	430	0.2	1	0.06	1	3	13	88	1.67	5	660	0.06	5	0.09	40	7	0	23	1420	12	2	0	44	0	5	5	43	5	84		
M690321T	2	0.6	0.9	36	1090	0.2	1	0.07	0.5	4	18	29	2.87	5	270	0.07	10	0.24	135	10	0	20	760	16	2	1	56	0.01	5	5	54	5	114		
M690322T	2	1.4	0.69	38	730	0.2	1	0.05	1	4	11	37	2.44	5	530	0.06	5																		

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Silt Sample Results Sheet

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
M690339T	2	1	1.55	48	870	0.5	1	0.22	5.5	35	20	51	3.21	5	820	0.1	10	0.22	715	10	5	101	1140	20	2	3	78	0.01	5	5	47	5	432	main creek, silt, organic
M690340T	2	1.4	0.95	54	860	0.25	1	0.51	5	8	18	52	2.54	5	1950	0.12	10	0.26	225	13	5	124	1480	26	10	1	143	5	5	5	55	5	294	dry gully, silt, organic
M690341T	2	1.6	1.46	62	870	0.5	1	0.36	5.5	17	18	70	2.63	5	1890	0.1	10	0.18	640	13	5	111	2380	26	8	3	108	5	5	5	49	5	408	active, left side, silt, sand, organic
M690342T	2	1	0.71	58	740	0.25	1	0.19	2	6	15	40	2.07	5	620	0.11	10	0.12	180	11	5	33	1220	30	6	1	112	0.01	5	5	38	5	122	trickle, left side, silt, sand, organic
M690343T	2	1	1.06	48	720	0.25	1	0.22	3	14	18	41	2.91	5	600	0.08	10	0.24	395	9	5	59	1130	18	2	2	76	0.01	5	5	41	5	286	main creek, silt, organic
M690344T	10	4.2	1.15	54	840	0.5	1	0.13	1.5	8	20	112	2.54	5	1000	0.1	10	0.15	305	13	5	40	1790	20	10	1	72	0.01	5	5	63	5	168	seep, left side, silt, organic, left side
M690345T	2	1.2	0.91	40	840	0.25	1	0.21	0.5	4	20	33	2.6	5	520	0.12	10	0.22	100	9	5	31	1110	16	4	2	62	0.03	5	5	55	5	94	seep, left side, silt, organic
M690346T	10	1.2	1.29	56	1060	0.5	1	0.24	2	17	22	47	3.13	5	790	0.11	10	0.25	550	11	5	60	1330	18	6	3	86	0.02	5	5	59	5	268	main creek, silt, organic
M690347T	2	1.4	1.22	50	800	0.5	1	0.36	11	20	18	56	2.88	5	710	0.1	10	0.23	670	10	5	168	1500	18	6	1	103	0.01	5	5	53	5	574	main creek, silt, organic
M690348T	2	1.6	0.8	28	530	0.25	1	0.17	0.5	3	22	32	2.21	5	230	0.09	10	0.19	110	10	5	21	960	10	6	2	34	0.03	5	5	71	5	86	trickle, left side, silt, sand, organic
M690349T	2	1.2	1.25	52	920	0.5	1	0.21	4.5	18	20	46	2.99	5	630	0.09	10	0.21	555	10	5	77	1280	16	4	3	70	0.01	5	5	53	5	410	main creek, silt, organic
M690350T	2	2.4	0.76	18	290	0.25	1	0.06	0.25	3	18	21	1.78	5	480	0.09	10	0.15	75	9	5	14	730	14	2	0.5	33	0.01	5	5	48	5	62	seepage, left side, silt, gravel, organic
P132218T	2	0.8	0.48	46	690	0.2	1	0.01	0.5	2	8	71	1.95	5	470	0.09	5	0.16	30	16	0	30	760	12	10	3	178	0	5	5	67	5	142	
P132219T	10	2.6	0.4	70	460	0.2	1	0.05	0.5	0	13	53	3	5	710	0.19	5	0.05	30	33	0	16	1820	22	16	3	297	0	5	5	124	5	102	
P132220T	10	6.2	0.63	122	380	0.2	1	0.11	1.5	1	18	74	4.59	5	660	0.19	5	0.08	55	38	0	19	2890	24	24	4	274	0	5	5	371	5	122	LIMONITIC AT 220M FROM START
P132222T	5	3	0.46	80	280	0.2	1	0.1	2	0	17	58	8.31	5	470	0.11	5	0.06	35	24	0	16	2390	12	24	3	192	0	5	5	485	5	120	
P132223T	5	2.8	0.46	66	410	0.2	1	0.09	1.5	0	14	62	5.72	5	560	0.13	5	0.05	30	25	0	16	1960	12	20	3	203	0	5	5	231	5	138	
P132224T	2	2.4	0.43	56	250	0.2	1	0.07	0.5	0	13	56	7.4	5	510	0.12	5	0.05	25	22	0	14	1650	12	22	3	164	0	5	5	183	5	124	
P132225T	2	5	0.81	66	570	0.2	1	0.05	1.5	1	16	75	4.38	5	1250	0.14	5	0.09	45	23	0	18	1760	28	12	4	123	0	5	5	96	5	124	
P132226T	5	2.8	0.41	58	450	0.2	1	0.06	0.5	0	12	67	5.13	5	740	0.12	5	0.06	25	23	0	16	1840	14	20	3	191	0	5	5	144	5	130	
P132227T	2	2.2	0.41	88	190	0.2	1	0.03	2	0	9	46	150	5	360	0.07	5	0.03	50	39	0	10	2270	6	22	2	77	0	5	5	96	5	82	
P132228T	2	2.2	0.38	52	280	0.2	1	0.08	0.5	0	12	55	7.89	5	510	0.1	5	0.05	20	21	0	14	1910	10	14	2	177	0	5	5	114	5	110	
P132229T	2	2.6	0.48	48	380	0.2	1	0.05	0.5	0	11	57	6.56	5	980	0.1	5	0.05	40	23	0	14	1490	14	18	3	138	0	5	5	113	5	94	
P132230T	2	2.6	0.46	46	300	0.2	1	0.05	0.25	0	11	47	10	5	860	0.09	5	0.04	35	22	0	11	1440	10	20	3	120	0	5	5	103	5	76	
P132231T	2	3.4	0.44	34	1250	0.2	1	0.05	0.5	0	11	61	1.37	5	1200	0.09	10	0.03	20	19	0	11	2040	16	12	3	319	0	5	5	98	5	54	
P132232T	2	3.2	0.44	48	630	0.2	1	0.05	1	0	11	53	2.3	5	690	0.14	5	0.06	35	28	0	13	1720	18	14	3	198	0	5	5	128	5	86	
P132233T	2	2.2	0.45	40	1030	0.2	1	0.08	1	0	10	60	1.36	5	740	0.11	10	0.04	30	22	0	13	1400	14	10	2	224	0	5	5	118	5	68	
P132234T	2	5.4	0.57	80	590	0.2	1	0.06	1.5	1	14	83	3.33	5	870	0.14	5	0.07	45	31	0	20	1690	20	28	6	194	0	5	5	157	5	178	
P132235T	2	3.8	0.32	64	700	0.2	1	0.06	0.5	0	10	56	3.92	5	660	0.09	5	0.04	35	24	0	12	1800	16	20	2	167	0	5	5	115	5	102	
P132236T	2	3.4	0.37	68	510	0.2	1	0.06	0.5	0	12	58	4.86	5	600	0.1	5	0.05	30	26	0	13	1750	14	26	4	180	0	5	5	132	5	108	
P132237T	2	3.6	0.41	70	570	0.2	1	0.06	0.5	1	13	61	4.35	5	660	0.1	5	0.06	30	26	0	14	1760	16	26	4	182	0	5	5	134	5	112	
P132238T	2	5.4	0.53	70	640	0.2	1	0.07	0.5	0	15	70	4	5	1230	0.14	10	0.07	30	30	0	16	1750	20	26	5	214	0	5	5	146	5	128	
P132239T	2	3.4	0.48	64	700	0.2	1	0.06	1	1	12	58	3.61	5	880	0.12	10	0.06	45	27	0	16	1660	16	24	4	182	0	5	5	129	5	118	
P132240T	2	2	0.38	50	170	0.2	1	0.04	0.2	0	11	47	13.6	5	760	0.09	5	0.04	20	20	0	11	1350	10	18	3	109	0	5	5	98	5	82	
P132241T	2	2.2	0.33	40	130	0.2	1	0.04	0.2	0	10	40	150	5	750	0.08	5	0.03	40	17	0	9	1200	2	18	2	86	0	5	5	87	5	68	
P132242T	2	2	0.38	60	130	0.2	1	0.06	0.2	0	12	56	14.85	5	730	0.09	5	0.04	55	21	0	11	1500	6	20	3	111	0	5	5	99	5	88	
P132243T	2	1.8	0.31	48	100	0.2	1	0.03	0.2	0	10	42	150	5	590	0.07	5	0.03	25	15	0	9	1310	4	22	1	62	0	5	5	76	5	68	
P132244T	2	1.8	0.26	50	110	0.2	1	0.03	0.2	0	8	36	150	5	570	0.05	5	0.03	40	16	0	8	1240	2	18	1	63	0	5	5	70	5	60	
P132245T	10	1.6	1	178	790	0.5	1	0.21	0.5	21	9	26	10.85	5	590	0.04	5	0.11	1535	10	0	60	2500	8	12	3	67	0	5	5	31	5	172	
P132246T	5	2.4	0.52	168	220	0.2	1	0.04	0.2	5	12	62	14.9	5	750	0.07	5	0.04	520	23	0	14	2010	6	22	4	72	0	5	5	77	5	76	
P132247T	10	2	0.44	130	140	0.2	1	0.04	0.2	2	13	56	150	5	660	0.07	5	0.03	245	22	0	12	1970	2	22	4	75	0	5	5	86	5	80	
P132248T	10	1.8	0.78	104	1220	0.2	1	0.12	2	13	14	52	4.03	5	920	0.11	10	0.1	610	22	0	30	2020	16	18	1	148	0	5	5	89	5	150	
P132416T	20	2.6	1.52	46	1110	0.25	1	0.17	1.5	5	16	80	2.37	5	870	0.1	10	0.11	190	15	5	29	2320	14	8	3	188	0.01	5	5	116	5	208	Mossmat, rare fines, shale frags
P132417T	10	2.2	1.08	38	1570	0.25	1	0.25	0.5	2	17	73	2.17	5	450	0.08	5	0.1	100	14	5	21	2620	12	6	2	284	0.01	5	5	131	5	126	Dry tributary, sev. sites, gr. shale frags
P132418T	15	1	1.16	28	400	0.25	1	0.07	0.5	9	17	90	3.11	5	190	0.06	5	0.23	295	6	5	28	1120	14	2	2	54	0.01	5	5	55	5	138	Sandy, mod. silts, several sites
P132419T	10	2.8	0.52	54	1280	0.25	1	0.13	2	1	8	47	2	5	1800	0.11	10	0.																

Lightning - Target 60
Silt Sample Results Sheet

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
P132790T	2	5.4	1.05	56	450	0.25	1	0.04	5	18	15	72	4.64	5	310	0.13	5	0.08	350	37	5	25	1120	12	26	5	110	5	5	5	117	5	292	Main
P132791T	2	4.2	0.33	44	110	0.25	1	0.03	0.25	0.5	16	67	150	5	380	0.09	5	0.05	35	37	5	8	1500	1	60	2	70	5	5	5	128	5	160	Left
P132792T	2	100	2.39	44	420	0.25	1	0.13	4	3	38	171	4.63	5	3200	0.06	5	0.06	50	17	5	37	7200	8	12	12	97	5	5	5	44	5	342	Left
P132793T	2	4.2	0.82	62	320	0.25	1	0.05	2	2	15	84	6.56	5	350	0.13	5	0.1	90	38	5	21	1620	14	28	3	112	5	5	5	128	5	254	Main
P132794T	2	4.8	0.58	58	260	0.25	1	0.05	1.5	0.5	19	49	9.49	5	410	0.12	5	0.09	40	41	5	16	1470	12	54	3	103	5	5	5	132	5	196	Main
P132795T	40	8.4	2.44	32	840	0.25	1	0.07	1.5	102	13	292	1.79	5	290	0.08	5	0.05	2050	9	5	21	4490	10	8	3	60	5	5	5	39	5	102	Left
P132796T	10	4.6	0.57	58	320	0.25	1	0.07	0.25	0.5	16	44	7.74	5	390	0.1	5	0.08	55	42	5	14	2000	14	44	2	113	5	5	5	151	5	142	Main
P132797T	2	2.8	0.58	60	620	0.25	1	0.08	0.5	1	15	52	4.54	5	350	0.13	10	0.11	55	31	5	15	1750	16	26	2	126	5	5	5	163	5	160	Main
P132798T	185	4	0.58	60	330	0.25	1	0.07	0.5	3	16	50	7.78	5	380	0.12	5	0.09	115	37	5	15	2210	10	36	2	114	5	5	5	165	5	156	Main
P132799T	2	4.2	0.63	74	480	0.25	1	0.07	0.5	0.5	17	54	6.58	5	430	0.14	10	0.1	75	37	5	16	2340	12	36	3	127	5	5	5	175	5	168	Main
P132800T	2	4.6	0.71	58	510	0.25	1	0.08	1	0.5	16	59	5.35	5	470	0.13	10	0.1	60	34	5	15	2110	14	30	3	127	5	5	5	162	5	156	Main
P133401T	10	3	0.52	30	600	0.25	1	0.12	1.5	1	12	57	1.67	5	440	0.16	10	0.03	140	15	5	14	1250	16	6	1	294	5	5	5	52	5	72	
P133402T	2	3.4	1.09	78	480	0.25	1	0.13	2	1	19	97	2.3	5	490	0.17	10	0.07	105	23	5	23	2600	18	16	1	357	5	5	5	146	5	142	
P133403T	10	3.2	0.95	64	810	0.25	1	0.15	1.5	3	16	95	2.32	5	530	0.15	10	0.06	175	21	5	21	2310	18	18	3	331	5	5	5	124	5	122	
P133404T	2	5.8	0.88	66	770	0.25	1	0.06	1.5	1	15	86	2.97	5	460	0.16	10	0.12	75	26	5	19	1610	22	26	2	192	0.01	5	5	153	5	154	
P133405T	2	7.4	0.96	74	720	0.25	1	0.07	5	1	15	89	2.92	5	780	0.17	10	0.11	80	28	5	21	2430	20	32	3	230	5	5	5	170	5	176	
P133406T	2	6.2	1.05	80	600	0.25	1	0.11	4	1	16	100	3.57	5	660	0.16	10	0.12	75	30	5	23	2670	22	32	3	250	5	5	5	163	5	206	
P133407T	2	7.6	0.7	64	570	0.25	1	0.06	0.5	1	15	69	2.95	5	1230	0.15	10	0.08	50	21	5	16	2000	22	18	2	155	5	5	5	116	5	110	
P133408T	5	4.4	0.98	52	860	0.25	1	0.11	2.5	1	11	62	1.97	5	530	0.1	10	0.11	30	22	5	18	1990	16	18	1	211	5	5	5	105	5	150	
P133409T	2	5.8	1.12	56	750	0.25	1	0.1	2.5	5	11	87	2.78	5	530	0.11	5	0.11	135	22	5	21	2350	18	26	3	198	5	5	5	102	5	192	
P133410T	2	2.2	0.63	48	150	0.25	1	0.03	0.25	0.5	8	112	150	5	190	0.07	5	0.1	45	10	5	17	1000	10	12	3	63	5	5	5	36	5	374	LIMONITIC TRIB
P133411T	2	3	0.84	46	210	0.25	1	0.04	1.5	5	10	119	12.65	5	280	0.07	5	0.13	155	14	5	21	1320	10	24	3	81	5	5	5	48	5	324	
P133412T	2	3.4	1.03	42	470	0.25	1	0.06	3.5	1	12	116	7.42	5	560	0.09	5	0.13	60	16	5	22	1450	16	18	3	111	5	5	5	61	5	320	
P133413T	5	1.6	0.55	38	1510	0.25	1	0.39	3	4	9	24	2.09	5	2800	0.11	10	0.25	200	15	5	101	1100	22	8	1	190	5	5	5	55	5	180	
P133414T	5	1.6	1.84	40	770	0.25	1	0.06	2.5	6	12	111	4.33	5	960	0.11	10	0.14	155	18	5	24	1310	14	12	3	102	5	5	5	64	5	290	
P133415T	2	0.8	0.84	42	730	0.25	1	0.06	2.5	5	15	73	3.87	5	380	0.12	10	0.16	110	10	5	24	970	14	6	3	95	5	5	5	52	5	246	
P133416T	2	0.8	0.72	36	660	0.25	1	0.05	2	7	11	64	3.16	5	440	0.1	10	0.12	165	12	5	20	870	14	8	2	93	5	5	5	46	5	224	
P133417T	2	0.6	0.78	38	840	0.25	1	0.05	2	5	13	63	3.2	5	390	0.11	10	0.13	110	11	5	21	910	16	6	2	98	5	5	5	49	5	228	
P133418T	5	2.2	0.61	30	910	0.25	1	0.25	3	3	13	31	2.26	5	550	0.13	20	0.1	115	10	5	32	2060	16	8	1	221	5	5	5	62	5	270	
P133419T	5	1.8	0.91	38	790	0.25	1	0.28	6.5	6	19	46	5.03	5	630	0.16	10	0.18	295	15	5	92	2120	16	4	3	192	5	5	5	76	5	726	
P133420T	2	1.4	0.99	36	490	0.25	1	0.18	5.5	3	16	47	3.01	5	540	0.14	10	0.17	115	10	5	64	1840	20	8	2	142	5	5	5	60	5	342	
P133421T	2	1	0.83	34	790	0.25	1	0.08	3.5	6	13	69	3.21	5	400	0.11	10	0.13	135	12	5	25	1110	14	6	2	113	5	5	5	51	5	294	
P133422T	35	20.4	0.62	32	390	0.25	1	0.03	0.25	0.5	15	33	1.37	5	2560	0.13	10	0.06	30	41	5	13	920	24	12	0.5	26	5	5	5	59	5	26	
P133423T	20	4.2	0.52	40	520	0.25	1	0.07	0.25	1	13	31	1.71	5	950	0.14	10	0.08	75	26	5	23	1000	22	12	0.5	42	5	5	5	63	5	42	SOILY
P133424T	30	7.2	0.93	42	1090	0.5	1	0.23	2	27	17	86	1.97	5	1510	0.14	10	0.1	825	16	5	81	1610	24	10	0.5	80	5	5	5	59	5	98	SOILY
P133425T	20	1.6	1.03	46	700	0.5	1	0.14	1.5	10	21	56	3.09	5	760	0.13	10	0.19	425	11	5	51	1320	16	6	2	68	0.01	5	5	69	5	168	
P133426T	10	1.4	1.61	66	590	1.5	1	0.07	1	10	17	62	5.21	5	650	0.12	10	0.11	385	12	5	37	1660	14	10	2	61	5	5	5	70	5	242	
P133427T	25	3	1.36	58	440	0.5	1	0.07	0.5	6	18	57	3.69	5	1110	0.12	10	0.11	220	16	5	33	1550	20	10	2	66	5	5	5	66	5	160	
P133428T	10	2	1.41	56	610	1	1	0.25	7	24	17	69	4.55	5	830	0.13	10	0.15	960	16	5	109	1550	20	10	3	97	5	5	5	76	5	492	

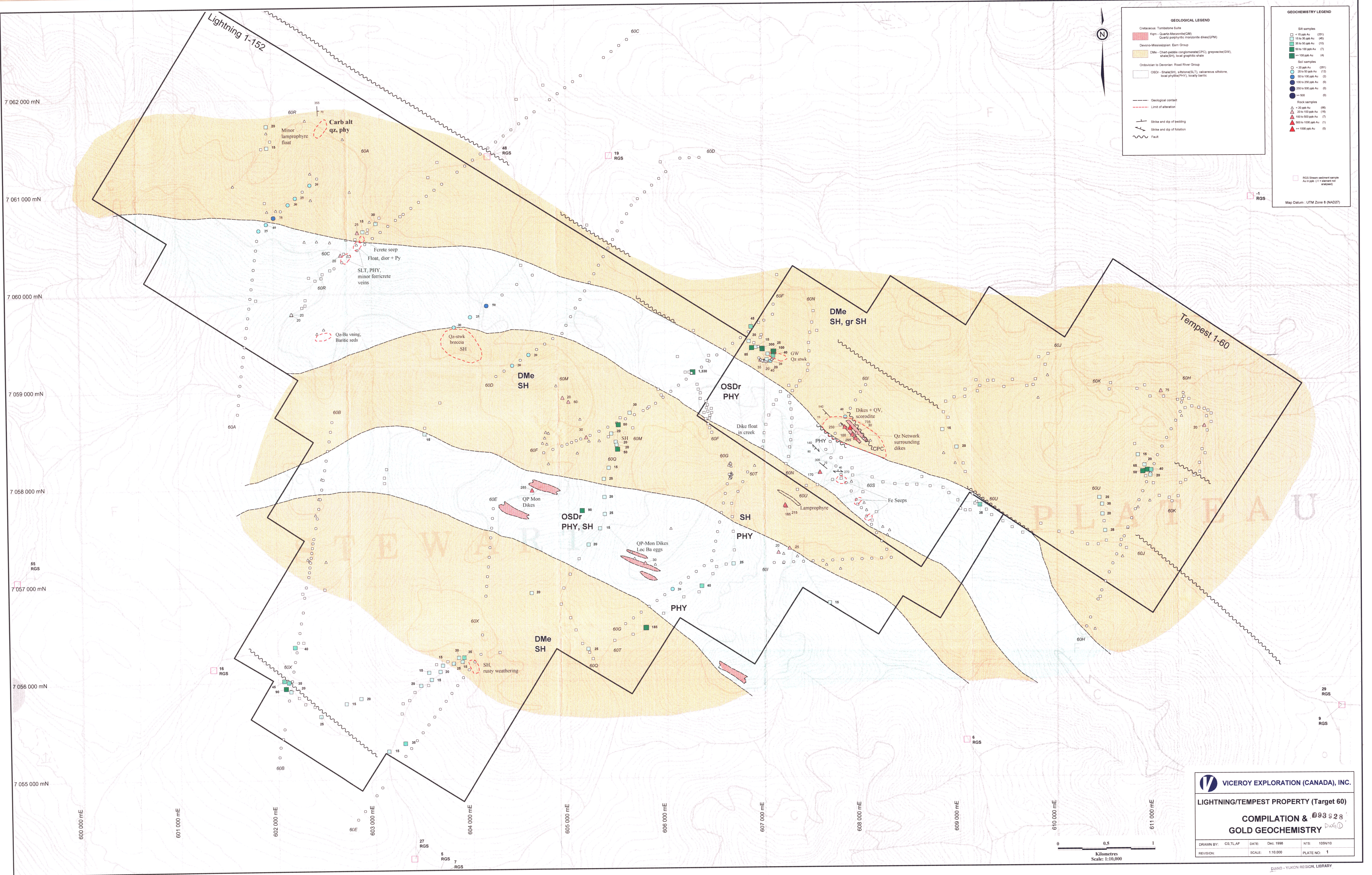
APPENDIX 4
SOIL ASSAY RESULTS

Lightning - Target 60
Soil Sample Results Sheet

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
60L 0000	10	1.4	0.44	30	210	0.2	1	0.03	0.2	2	10	13	1.57	5	0	0.06	10	0.08	50	6	0	9	630	8	8	0	20	0	5	5	36	5	40	M685764R
60L 0025	5	1.2	0.44	24	440	0.2	1	0.06	0.2	4	8	20	1.31	5	0	0.04	10	0.14	115	4	0	11	430	6	4	1	20	0	5	5	21	5	42	
60L 0050	2	1.2	0.34	10	330	0.2	1	0	0.2	0	6	7	0.64	5	0	0.03	10	0.01	20	3	0	4	260	6	1	0	9	0	5	5	22	5	18	Possible gouge
60L 0075	2	2.8	0.86	38	820	0.2	1	0.02	0.2	3	12	22	1.68	5	0	0.07	10	0.12	45	9	0	12	740	14	8	1	30	0	5	5	41	5	52	Silt,Qtz
60L 0100	15	4.6	0.51	8	980	0.2	1	0.06	0.2	0	8	12	0.7	5	0	0.07	5	0.03	20	3	0	12	1230	8	2	0	20	0	5	5	21	5	18	NOTE:
60L 0125	2	0.6	0.55	12	190	0.2	1	0.01	0.2	0	9	6	0.71	5	0	0.04	10	0.03	20	3	0	5	410	8	1	0	14	0	5	5	34	5	18	Later found bedrock
60L 0150	15	1	0.98	34	310	0.2	1	0.03	0.2	3	19	11	2.56	5	0	0.08	10	0.14	145	9	0	8	460	18	14	1	28	0.01	5	5	71	5	44	under one to two feet
60L 0175	20	0.8	0.86	90	580	0.2	1	0.03	0.2	4	18	16	3.71	5	0	0.06	10	0.17	175	10	0	12	690	22	12	1	23	0.01	5	5	53	5	52	of glacial till.
60L 0187	2	0.2	0.31	26	150	0.2	1	0	0.2	2	6	10	1.13	5	0	0.04	10	0.01	30	8	0	6	300	12	2	0	19	0	5	5	58	5	36	
60L 0200	2	0.8	0.67	16	90	0.2	1	0.01	0.2	2	10	8	1.58	5	0	0.04	10	0.05	65	3	0	6	220	8	1	0	7	0.04	5	5	68	5	32	
60L 0213	2	1.2	1.4	20	90	0.2	1	0.06	0.2	5	25	9	3.69	5	0	0.05	10	0.34	230	3	0	12	450	16	1	1	10	0.04	5	5	58	5	52	
60L 0225	2	0.8	0.38	56	190	0.2	1	0	0.2	1	8	12	1.45	5	0	0.06	10	0.02	30	9	0	7	430	18	6	0	30	0	5	5	62	5	46	
60T 0000	2	0.8	0.14	4	1100	0.2	1	0	0.2	0	3	76	0.34	0	310	0.05	0	0	5	9	0	6	140	12	2	0	54	0	0	0	28	0	6	Good
60T 0100	2	3.2	0.69	46	1860	0.2	1	0.23	5.5	1	10	35	1.43	0	550	0.98	10	0.03	50	33	0	33	1640	18	20	1	153	0	0	0	159	0	188	Fair
60T 0200	10	6	0.98	82	700	0.2	1	0.05	3.5	4	14	60	4.27	0	450	0.15	0	0.22	180	41	0	28	2550	28	44	2	193	0.01	0	0	182	0	238	Fair

Lightning - Target 60
Soil Sample Description Sheet

Sample	X Coord	Y Coord	Zone	Horizon	Depth_cm	Slope_Ang	Colour	Permafrost	ss_Frag	Vegetation	Surf_Geo	Frag_Lith	Organics	Date	Name
60L 0000	606975.00	7059300.00	8	B	45	mod	bm		5	stunted cf		cong		07/17/98	SG/ET
60L 0025	606995.00	7059290.00	8	B	10	fl	gry bm				st			07/17/98	SG/ET
60L 0050	607010.00	7059270.00	8	B	20	fl	lt gry		20	stunted cf	ti	cong		07/17/98	SG/ET
60L 0075	607030.00	7059265.00	8	B	25	fl	gry bm		20	stunted cf	ti	ARG		07/17/98	SG/ET
60L 0100	607050.00	7059260.00	8	B	25	fl	gry bm		25	stunted cf	st		5	07/17/98	SG/ET
60L 0125	607070.00	7059265.00	8	B	30	sl	bm		10	stunted cf		ARG		07/17/98	SG/ET
60L 0150	607075.00	7059270.00	8	B	20	sl	or			stunted cf	st			07/17/98	SG/ET
60L 0175	607095.00	7059270.00	8	B	20	fl	bm		10	stunted cf		ARG		07/17/98	SG/ET
60L 0187	607105.00	7059280.00	8	B	25	sl	or gry		50	stunted cf	ti			07/17/98	SG/ET
60L 0200	607110.00	7059285.00	8	B	25	sl	or gry		30	stunted cf				07/17/98	SG/ET
60L 0213	607120.00	7059295.00	8	B	20	fl	org		10	cf				07/17/98	SG/ET
60L 0225	607125.00	7059300.00	8	B	30	rt	tan gry		70	cf	ti			07/17/98	SG/ET
60T 0000	606850.00	7058130.00	8	B	8	rt	bl		0					08/01/98	M.M.
60T 0100	606800.00	7058030.00	8	B	8	st	gry		50					08/01/98	M.M.
60T 0200	606750.00	7057930.00	8	B	8	st	gry		50					08/01/98	M.M.



GEOLOGICAL LEGEND

- Ordovician to Cambrian Suite
 - Kim - Quartz-Monzonite (QM)
 - Quartz porphyritic monzonite dikes (QPM)
- Devono-Mississippian: Earn Group
 - DMe - Chart pebble conglomerate (CPC), greywacke (GW), shale (SH), local granitic sills
- Ordovician to Devonian: Road River Group
 - OSDr - Shale (SH), siltstone (SLT), calcareous siltstone, local greywacke (GW), locally ferritic

--- Geological contact
 - - - - - Limit of alteration
 --- Strike and dip of bedding
 --- Strike and dip of foliation
 ~~~~~ Fault

**GEOCHEMISTRY LEGEND**

Soil samples

- < 15 ppb Au (231)
- 15 to 35 ppb Au (45)
- 35 to 50 ppb Au (15)
- 50 to 100 ppb Au (7)
- > 100 ppb Au (6)

Soil samples

- < 20 ppb Au (281)
- 20 to 50 ppb Au (132)
- 50 to 100 ppb Au (2)
- 100 to 250 ppb Au (8)
- 250 to 500 ppb Au (5)
- > 500 (5)

Rock samples

- < 20 ppb Au (88)
- 20 to 100 ppb Au (16)
- 100 to 500 ppb Au (7)
- 500 to 1000 ppb Au (1)
- > 1000 ppb Au (5)

RGS Stream sediment sample  
 Au in ppb (1 = element not analyzed)

Map Datum: UTM Zone 8 (NAD27)

**VICEROY EXPLORATION (CANADA), INC.**

**LIGHTNING/TEMPEST PROPERTY (Target 60)**

**COMPILATION & GEOCHEMISTRY**

0 0.5 1  
 Kilometres  
 Scale: 1:10,000

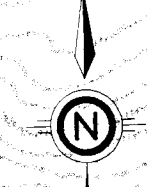
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|-------------------|-----------------|--------------|
| DRAWN BY: CS,TLAF | DATE: Dec. 1998 | NTS: 105N/10 |
| REVISION:         | SCALE: 1:10,000 | PLATE NO: 1  |

DIAMOND - YUKON REGION, LIBRARY

GEOCHEMISTRY LEGEND

- Silt Sample
- Soil Sample
- △ Rock Sample
- M51874R Sample Number

Map Datum : UTM Zone 8 (NAD27)

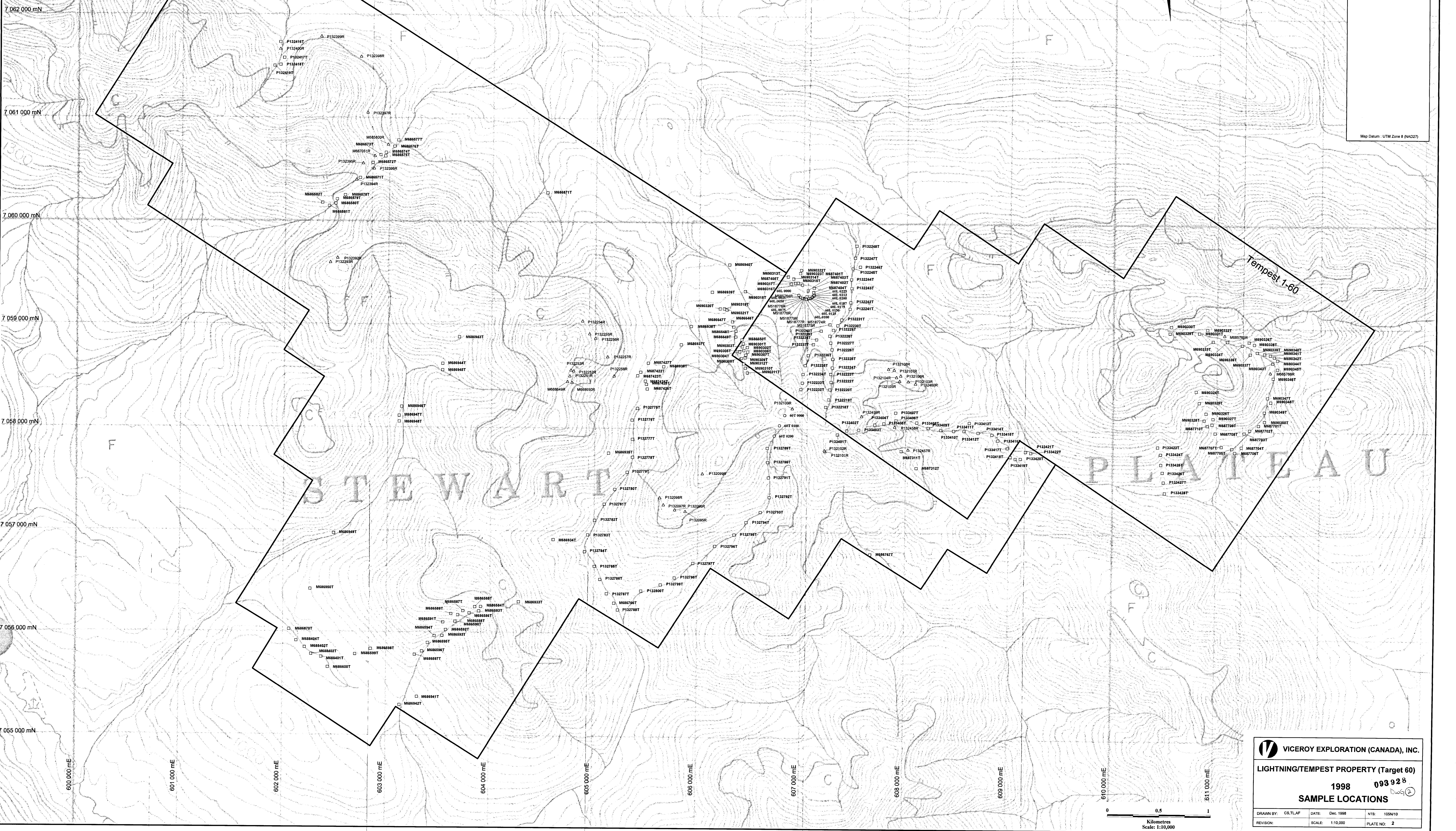


Lightning 1-152

Tempest 1-60

STEWART

PLATEAU



**VICEROY EXPLORATION (CANADA), INC.**

**LIGHTNING/TEMPEST PROPERTY (Target 60)**

1998 **093928**  
Dwg 2

**SAMPLE LOCATIONS**

|                    |                 |             |
|--------------------|-----------------|-------------|
| DRAWN BY: CS,TL,AF | DATE: Dec. 1998 | NTS: 105N10 |
| REVISION:          | SCALE: 1:10,000 | PLATE NO: 2 |

