

**REPORT ON THE 1993**  
**PROSPECTING AND GEOCHEMICAL WORK IN**  
**THE ENGLISHMAN RANGE (TESLIN MAP AREA)**  
**AND JOJO LAKE (KUSAWA LAKE MAP AREA)**

**YMIP # 93-082 IVAN ELASH**

**LOCATIONS**

**#1 - 45 KM. N.E. OF TESLIN YUKON**  
**N.T.S. 105 C/8&9**  
**LONGITUDE 132°15' WEST**  
**LATITUDE 60° 30' NORTH**

**#2 - 80 KM. W.S.W. OF WHITEHORSE, YUKON**  
**N.T.S. 115 A/9**  
**LONGITUDE 136° 18' WEST**  
**LATITUDE 60° 35' NORTH**

## INTRODUCTION

Prospecting work consisted of stream silt sampling, soil and rock sampling and prospecting. The work was carried out between May 27 and July 25, 1993. The Wolf River area was worked with Harry Kern, JoJo Lake work was completed by myself.

## LOCATION AND ACCESS

Location number 1 is located near the Wolf River, in the Thirty Mile and Englishman Ranges, approximately 46 km. Northeast of Teslin, Yukon. The center of the project area is at approximately 60°30' North latitude and 132°15' West longitude within map area 105 C/8 & 9.

Access to the area is via float plane from Teslin to Fish Lake which is approximately 16 km's up river from the center of the project area. A canoe was used to move camps down the Wolf River to access the work areas.

Location number 2 is located Northwest of Kusawa Lake in the Coastal Mountain Range also known as the Yukon Plateau. The area is approximately 80 km. W.S.W. of Whitehorse. The center of the project area is at approximately 60°35' North latitude and 136°18' West longitude within map area 115 A/9.

Access to the area was by float plane from Whitehorse to JoJo Lake. An inflatable and 4 hp. motor were used to access different work areas around the lake.

## PROPERTY

*The Wolf River area is completely staked over.*  
~~There has not been any claims staked within the project area. There are currently no active mining claims in either area.~~ Parts of both locations are currently withdrawn from staking under the provisions of the Yukon Land Claims Agreement.

## REGIONAL GEOLOGY

The geology of the Teslin map area was described by Mulligan 1963 and the area is currently being remapped by the G.S.C. (Gordy, 1992). The area is part of the Ominica Belt of the West Cordillera. Terranes represented in this part of Teslin map area include the pericratonic Nisultlin terrane and the accreted Slide Mountain and Dorsey terranes (Wheeler and McFeely, 1988). Recent work by Gordy (1992) indicates that rocks assigned to the Dorsey terrane bear similarities to North American margin strata. The presence of Mississippian age volcanics and block faulting is in keeping with Devono-Mississippian tectonism elsewhere along the North American margin.

Intrusive platonitic rocks in the area are predominantly early Cretaceous granites to syenite and non-zonite with a few Jurassic or Cretaceous peridotite and pyroxenite bodies found Northeast of the Thirtymile and Englishman Ranges.

The geology of the JoJo Lake area within Dezadeash map area 115A. The Yukon Plateau includes a wide variety of schists and gneisses derived from sedimentary strata, as well as some hornblende chlorite schists of probable volcanic origin. These rocks are probably, in large part, of the precambrian age, but may include some altered Palaeozoic rocks.

Ivan Flash

1994

Prospecting Season

To Date  
Dec. 03, 1994

Number of Mines x 2	18.00
Arctic Star Printing	14.81
Northern Analytical Labs.	1166.30
Aurum Geological	375.62
Deacon Equip.	134.40
Sifton Air & Inflatable Rental	1018.75
John McIntyre: Canoe & Motor Rental	1300.00
John McIntyre: Motor Rental	300.00
Coyote Air Service	492.20
Neville Crosby Ind. & Greyhound	78.56
Yukon Office Supplies	7.59
" " "	2.27
Yukon College Book Store (books)	26.64
Nelson's Hardware (hammer)	16.36
Integraphics x 3	61.47
Whorse Mining District Office x 4	9.63
Canada Map Office x 9	154.86
Mac's Fireweed (books)	16.03
Beaver Lumber (Gold Chisel)	10.69
Per Diem: 43 Days at 52.80	<u>2313.40</u>
	7517.58
Less Advance	<u>2500.00</u>
	5017.58

# Expenses

Ivan J. Elash

Dec 23, 1993

1993 Prospecting Season

Horwood's x 6	22.15
Rainbow Typing	21.40
Mac's Fireweed (Books)	30.97
Woolco (mag. glass)	8.55
Whitehorse Mining Dist.	22.47
Canada Map Office	56.29
Emtegraphics	311.97.
Neville Crosby Ind. Shipping	489.65
Northern Analytical Lab's.	<u>160.50</u>
	1123.95

## CONCLUSIONS AND RECOMMENDATIONS

Prospecting and geochemical sampling in the Englishmans and Thirtymile Ranges was completed by Ivan Elash and Harry Kern, under a prospecting grant provided by the Yukon Mining Incentive Program. This area is N E of Teslin, Yukon. The work here was follow up to the 1992 prospecting season, we ~~WERE~~ could not substantiate yhe results of the previous year. The area has subsequently been staked by Cominco, they obviously found something that we missed. The area is underlain by limestone and argillaceous quartzite and phylites of the Englishmans Group (Mulligan 1963) but which may actually be part of the Earn Group stratigraphy (Gordy 1992). Rock samples containing anomalous gold also contain anomalous Pb, Zn, Cd, Ca, Fe, and W which suggest the presence of skarn mineralization. The presence of thin but pervasive quartz-carbonate veining in the areas containing the anomalous gold in rock samples may indicate another mineralized system in the area. There is no point in returning to the area according to Al Doherty, Aurum Geological, Whitehorse, Yukon.

The work in the Jo Jo Lake area, W S W of Whitehorse, Yukon, resulted with anomalous readings on the west side of the lake and fairly close to Land Claims. The area is on a granitic intrusion vdry massive in size. Faulting is apparent on yhe east and west sides of the lake. Sampling of silts, soil and rocks was carried out extensively on yhe east side of the lake, and no anomalous readings arose. I will not return to this area until Land Claims have been settled or an agreement can be made with natives on access to their land.

19-Jun-93date

Assay Certificate

Page1

Haywire Industries

WO13937

Sample #            Au ppb

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113004	1
113021	18
113048	1
113050	7
113062	1
123001	13
123002	1
123011	5
123013	2
123017	1
123018	22
123019	3
123020	1
123026	0
123053	2
153051	38

Certified by





INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS

iPL 93F1809

2036 Columbia Street  
 Vancouver, B.C  
 Canada V5Y 3E1  
 Phone (604) 879-7878  
 Fax (604) 879-7898

Northern Analytical Laboratories 16 Samples

Out: Jun 22, 1993 Project: W0 13937  
 In: Jun 18, 1993 Shipper: Norm Smith  
 PO#: Shipment: ID=C030901

0= Rock 0= Soil 0= Core 0=RC Ct 16= Pulp 0=Other  
 Raw Storage: -- -- -- -- 12Mon/Dis --  
 Pulp Storage: -- -- -- -- 12Mon/Dis --

[020108:19:10:39062393]  
 Mon=Month Dis=Discard  
 Rtn=Return Arc=Archive

Msg: ICP(AqR)30

Document Distribution

1 Northern Analytical Laboratories EN RT CC IN FX  
 105 Copper Road 1 2 2 2 1  
 Whitehorse DL 3D 5D BT BL  
 YT Y1A 2Z7 0 0 0 1 0

ATT: Norm Smith

Ph:403/668-4968  
 Fx:403/668-4890

Analytical Summary

##	Code	Met	Title	Limit	Limit	Units	Description	Element	##
		hod	Low High						
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	99.99	%	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	99.99	%	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	99.99	%	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	%	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	%	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	30





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Client: Northern Analytical Laboratories  
Project: W0 13937 16 Pulp

iPL: 93F1809

Out: Jun 22, 1993  
In: Jun 18, 1993

Page 1 of 1

Section 1 of 1  
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
113004	<	5	19	15	<	<	<	2	<	<	<	3	5	74	<	75	2	262	23	22	1	<	<	0.33	0.37	0.71	0.17	0.13	0.02	0.02
113048	<	4	16	30	<	<	<	5	<	<	<	4	3	29	<	117	13	256	54	4	11	2	0.10	0.56	0.22	1.45	0.21	0.41	0.06	0.03
113050	3.1	79	409	711	<	<	<	4	<	<	2.8	9	18	58	<	161	43	363	10	18	4	6	0.16	1.40	0.38	2.37	0.64	0.66	0.10	0.03
113062	0.1	3	5	27	<	<	4	4	<	<	0.7	<	5	12	<	99	3	60	<	51	2	<	<	0.07	0.55	0.33	4.82	0.03	0.01	0.01
123001	0.1	2	6	21	<	<	<	2	<	<	<	2	3	27	<	80	7	286	5	87	<	1	0.02	0.54	0.36	0.80	0.14	0.08	0.06	0.02
123002	0.2	7	33	44	<	<	3	3	<	<	<	6	10	79	<	136	19	252	13	37	2	2	0.08	1.23	0.47	1.49	0.35	0.29	0.11	0.02
123011	0.1	5	11	9	<	<	<	2	<	<	<	2	1	29	<	87	13	133	11	10	4	2	0.07	0.53	0.10	0.90	0.27	0.13	0.03	0.01
123013	0.4	4	66	255	<	<	<	3	<	<	0.8	5	7	24	<	110	29	338	23	22	3	4	0.10	1.07	0.67	1.65	0.57	0.07	0.09	0.03
123017	0.2	52	13	57	<	<	<	4	<	<	<	23	19	94	<	158	36	234	5	80	1	7	0.17	4.59	2.16	4.31	1.23	0.90	0.27	0.07
123018	<	16	9	87	<	<	<	2	<	<	<	20	29	229	<	59	41	1436	24	6	8	5	0.22	2.92	0.08	5.01	1.28	2.03	0.02	0.03
123019	0.3	13	30	108	<	<	<	3	<	<	<	14	25	107	<	124	33	687	15	49	3	4	0.14	2.39	0.36	3.24	0.97	1.29	0.12	0.02
123020	0.3	6	33	70	<	<	<	3	<	<	<	8	13	29	<	122	30	567	18	48	5	4	0.10	1.82	0.53	2.33	0.61	0.37	0.16	0.03
123021	0.1	12	42	54	<	<	<	7	<	<	<	12	5	61	<	66	28	535	9	22	1	2	0.14	1.46	0.67	2.28	1.22	0.15	0.03	0.05
123026	<	2	4	7	<	<	<	4	<	<	0.3	1	2	4	<	145	<	31	<	17	1	<	<	0.03	2.78	0.20	1.18	0.01	0.01	0.01
123053	0.3	3	27	25	<	<	<	4	<	<	0.1	1	2	7	<	135	3	53	<	13	<	<	<	0.06	2.32	0.24	0.44	0.01	0.01	0.01
153051	0.2	4	14	26	<	<	<	4	<	<	0.2	1	2	444	<	126	3	53	5	87	2	<	0.01	0.12	0.02	0.43	0.02	0.06	0.02	0.01

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01  
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 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

Haywire Industries

WO13930

Sample #	Au ppb
Goldpan	9
111003	7
111006	7
111007	9
111008	19
111009	13
111010	21
111011	8
111012	10
111013	10
111014	9
111015	3
111017	3
111018	8
111019	16
111020	21
111028	1
111031	53
111032	8
111034	25
111035	7
111036	1
111037	9
111038	10
111039	5
111041	2
111042	0
111043	8
111044	16
111059	15
112002	16
112022	3
112023	4
112024	1
112025	7
112027	10
112029	13
112033	18
112040	12
112045	23
112046	56,



19-Jun-93date

Assay Certificate

Page2

Haywire Industries

WO13930

Sample #	Au ppb
112047	4
112049	7
112061	12
112065	6
121003	7
121004	44
121005	304
121006	1
121007	163
121008	5
121009	4
121012	55
121014	4
121015	5





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## Northern Analytical Laboratories 55 Samples

Out: Jun 22, 1993 Project: W0 13930  
In : Jun 18, 1993 Shipper: Norm Smith  
PO#: Shipment: ID=C030901

0= Rock 0= Soil 0= Core 0=RC Ct 55= Pulp 0=Other  
Raw Storage: -- -- -- -- 12Mon/D1s --  
Pulp Storage: -- -- -- -- 12Mon/D1s --

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Mon=Month Dis=Discard  
Rtn=Return Arc=Archive

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Whitehorse	DL 3D 5D BT BL
YT Y1A 2Z7	0 0 0 1 0
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	Fx:403/668-4890

### Analytical Summary

##	Code	Met	Title	Limit	Limit	Units	Description	Element	##
				Low	High				
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	99.99	%	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	99.99	%	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	99.99	%	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	%	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	%	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	30





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Client: Northern Analytical Laboratories  
Project: WO 13930 55 Pulp

iPL: 93F1806

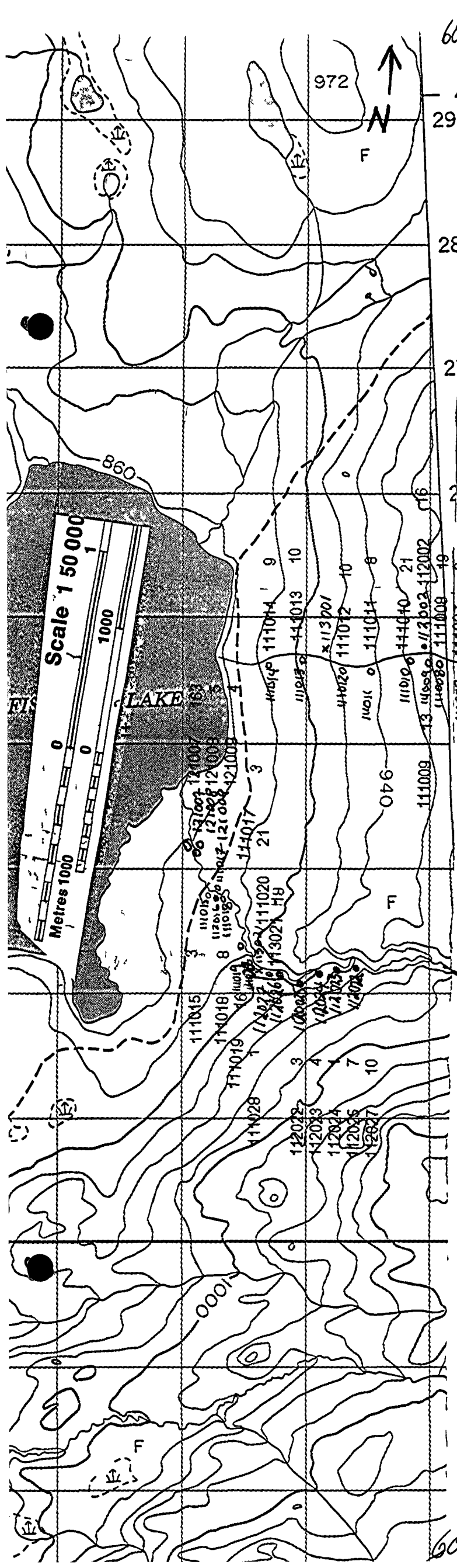
Out: Jun 22, 1993  
In: Jun 18, 1993

Page 2 of 2

Section 1 of 1  
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
13930 112045	0.1	19	12	45	5	<	<	1	<	<	0.1	9	23	141	<	24	31	220	15	26	2	2	0.06	1.00	0.52	1.75	0.53	0.08	0.02	0.06
13930 112046	<	9	19	74	14	<	<	1	<	<	<	10	25	81	<	35	55	275	11	10	3	3	0.06	2.07	0.20	3.71	0.56	0.07	0.02	0.06
13930 112047	<	31	15	75	7	<	<	1	<	<	<	12	35	202	<	34	43	413	18	32	3	4	0.07	1.56	0.71	2.80	0.92	0.16	0.03	0.07
13930 112049	<	32	16	71	8	<	<	1	<	<	<	15	35	190	<	38	47	417	19	22	1	4	0.06	1.91	0.37	2.97	0.87	0.15	0.02	0.06
13930 112065	<	14	22	70	10	<	<	1	<	<	0.1	12	38	248	<	45	65	256	12	11	7	5	0.06	2.42	0.38	3.23	0.62	0.10	0.02	0.06
13930 121003	<	7	10	48	10	<	<	1	<	<	0.2	6	15	90	<	18	23	567	13	16	<	1	0.05	0.70	0.33	1.50	0.41	0.06	0.02	0.06
13930 121004	<	7	7	48	10	<	<	1	<	<	0.1	7	14	105	<	20	28	580	18	18	<	2	0.05	0.75	0.36	1.65	0.40	0.07	0.02	0.06
13930 121005	<	7	6	57	7	<	<	1	<	<	<	8	17	100	<	36	67	550	29	18	<	2	0.06	0.74	0.40	3.24	0.41	0.07	0.02	0.07
13930 121006	<	9	8	51	5	<	<	1	<	<	0.1	8	16	104	<	20	26	561	17	18	<	2	0.05	0.77	0.36	1.65	0.43	0.08	0.02	0.07
13930 121007	<	9	11	50	10	<	<	1	<	<	0.1	8	18	111	<	22	29	428	17	19	1	2	0.05	0.89	0.37	1.78	0.47	0.07	0.02	0.06
13930 121008	<	10	11	48	10	<	<	1	<	<	0.4	7	16	102	<	20	26	427	14	18	1	2	0.05	0.83	0.34	1.62	0.44	0.07	0.02	0.06
13930 121009	<	9	10	51	6	<	<	1	<	<	0.2	7	16	105	<	20	27	376	16	18	<	2	0.05	0.85	0.35	1.67	0.44	0.07	0.02	0.06
13930 121012	0.2	15	12	71	6	<	<	1	<	<	0.4	9	22	106	<	26	40	344	27	20	<	2	0.06	0.97	0.49	2.17	0.48	0.09	0.02	0.07
13930 121014	<	14	8	65	6	<	<	<	<	<	0.2	8	20	106	<	27	33	237	17	25	1	2	0.06	0.96	0.62	1.91	0.51	0.08	0.02	0.07
13930 121015	<	10	10	45	6	<	<	1	<	<	0.1	8	19	110	<	26	34	314	15	26	1	2	0.06	0.81	0.70	1.87	0.55	0.07	0.02	0.07
13930 Gold Pan	<	9	10	41	6	<	<	<	<	<	<	6	15	113	<	21	26	280	16	26	1	2	0.04	0.80	0.54	1.58	0.42	0.06	0.02	0.07

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01  
 Max Reported\* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 999 99 1.00 99.99 99.99 99.99 9.99 9.99 5.00 5.00  
 Method ICP  
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate  
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



60° 40'

N T S  
105 c/9

Longitude 132° 01' West  
Latitude 60° 37' North

**LEGEND**  
 ○ Silt Sample  
 ● Soil Sample  
 X Rock Sample

- 121003 7 121003 X 123001 13  
 121005 301  
 121004 44  
 123001 13  
 123002 13  
 121006 1  
 111006 7  
 113004 1  
 111003 7
- Icy Bottom
- Big Creek

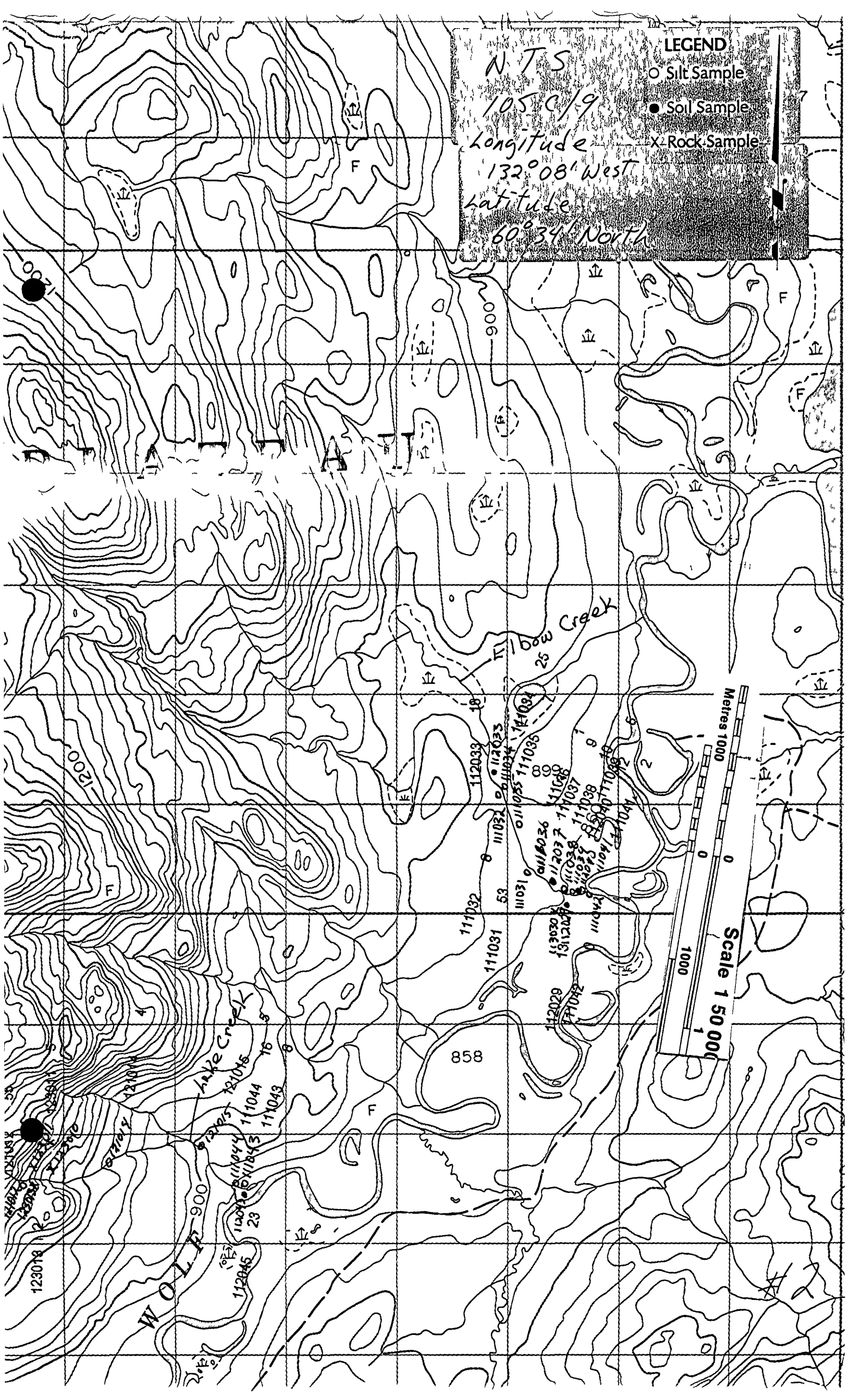
105 c/9

60° 35'

#1

N T S  
 105 C/9  
 Longitude  
 132° 08' West  
 Latitude  
 60° 34' North

- LEGEND**
- Silt Sample
  - Soil Sample
  - × Rock Sample











NTS  
 105 C/9  
 Longitude  
 132° 17' West  
 Latitude  
 60° 32' North

**LEGEND**  
 ○ Silt Sample  
 ● Soil Sample  
 X Rock Sample

Metres 1000  
 0  
 1000  
 Scale 1:50 000

43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  
 | | | | | | | |  
 20' (20)

**CONTOURS IN METRES ABOVE MEAN SEA LEVEL**

**FOUR METRE INTERVAL 20 METRES**

NORTH AMERICAN DATUM 1927

TRANSVERSE MERCATOR PROJECTION

FOR INFORMATION CONCERNING BENCH MARKS AND HORIZONTAL SURVEY MONUMENTS CAN BE OBTAINED FROM THE GEODETTIC SURVEY SURVEYS AND MAPPING BRANCH, OTTAWA

#6

**THIRTY  
 YUKON TERRITORY**

Miles 1 0  
 Metres 1000 0

Sc

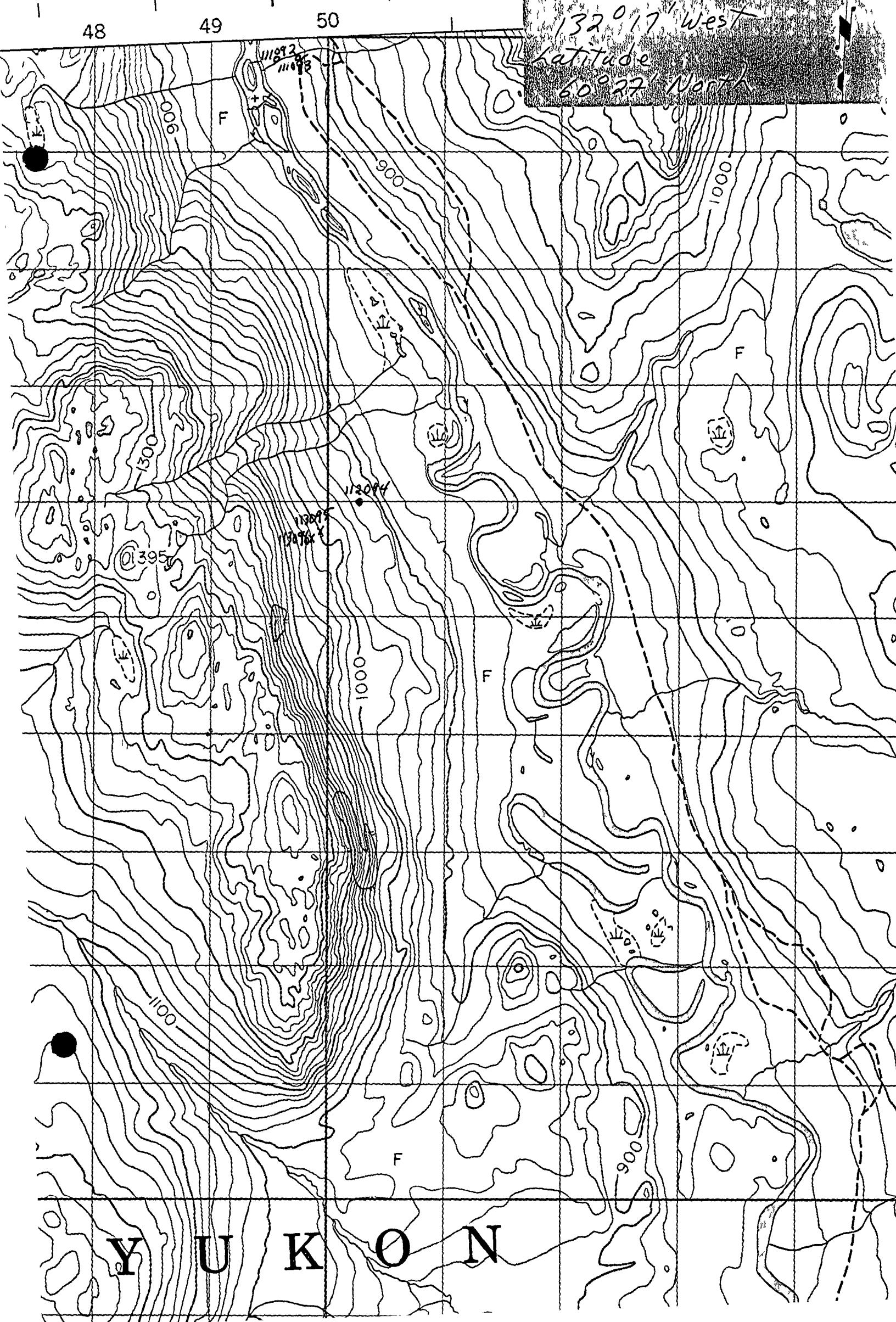
Scale  
150,000

(20)

Canada

NTS  
105 c/8  
Longitude  
132° 17' West  
Latitude  
60° 27' North

LEGEND  
○ Silt Sample  
● Soil Sample  
× Rock Sample



Y U K O N

silt  
211001  
-sorc  
212001  
213001  
Rock

05 Aug 93date

Assay Certificate

Page1

Ivan J Elash

WO 13994

Sample	Au ppb
211005	9
211006	10
211007	6
211008	15
211010	5
212011	<5
212013	8
212014	11
212015	<5
212016	<5
211018	5
212019	<5
212020	<5
211021	<5
212022	16
211023	<5
211024	<5
211025	<5
211026	<5
211032	<5
212036	<5
212039	<5
212040	11
211042	13
211043	12
211044	7
211046	11
211047	309
211051	7
211055	9
212058	<5
211062	5
211063	<5
211064	<5
211065	5
211066	70
211067	18
211075	5
212076	94
211079	8
211082	13
212083	13

Certified by

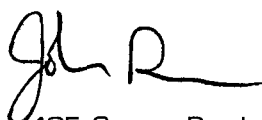



Ivan J Elash

WO 13994

Sample	Au ppb
211084	15
211085	14
211086	14
211087	11
211088	16
211089	12
211090	13
211091	20
211092	10
211094	11
211095	5
211096	6
211097	6
211098	11
211103	10
211104	12
211106	17
212109	43
211110	6
211111	5
211112	8
213002	21
213037	5
213038	18
213041	7
213048	16
213049	8
213050	<5
213052	10
213053	7
213054	11
213059	<5
213060	13
213061	<5
213069	<5
213070	<5
213071	<5
213072	5
213073	5
213074	12
213077	<5
213078	<5

Certified by




05 Aug 93date

Assay Certificate

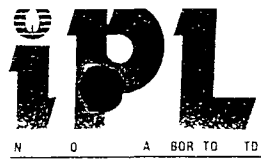
Page3

Ivan J Elash

WO 13994

Sample	Au ppb
213080	<5
213081	23
213093	12
213100	8
213101	<5
213105	<5
213107	73
213108	<5
113081	24
113082	<5
113083	<5
113088	<5
112090	101
114091	<5

*wolf  
River  
location  
common with  
Harry Kern*



**CERTIFICATE OF ANALYSIS**  
iPL 93H2414

2036 Columbia Street  
Vancouver BC  
Canada V5T 3E1  
Phone (604) 879 7878  
Fax (604) 879 7898

Northern Analytical Laboratories 20 Samples 0 Rock 0 Soil 0 Core 0 RC Ct 20 Pulp 0 Other [042014 32 45 39082693]  
 0 t A 26 199 Project 13994 Raw Storage 12Mon/D1s Mon Month Dis Discard  
 In A g 24 199 Sh pper Norm Smith Pulp Storage 12Mon/D s Rtn Return Arc Archive  
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**Analytical Summary**

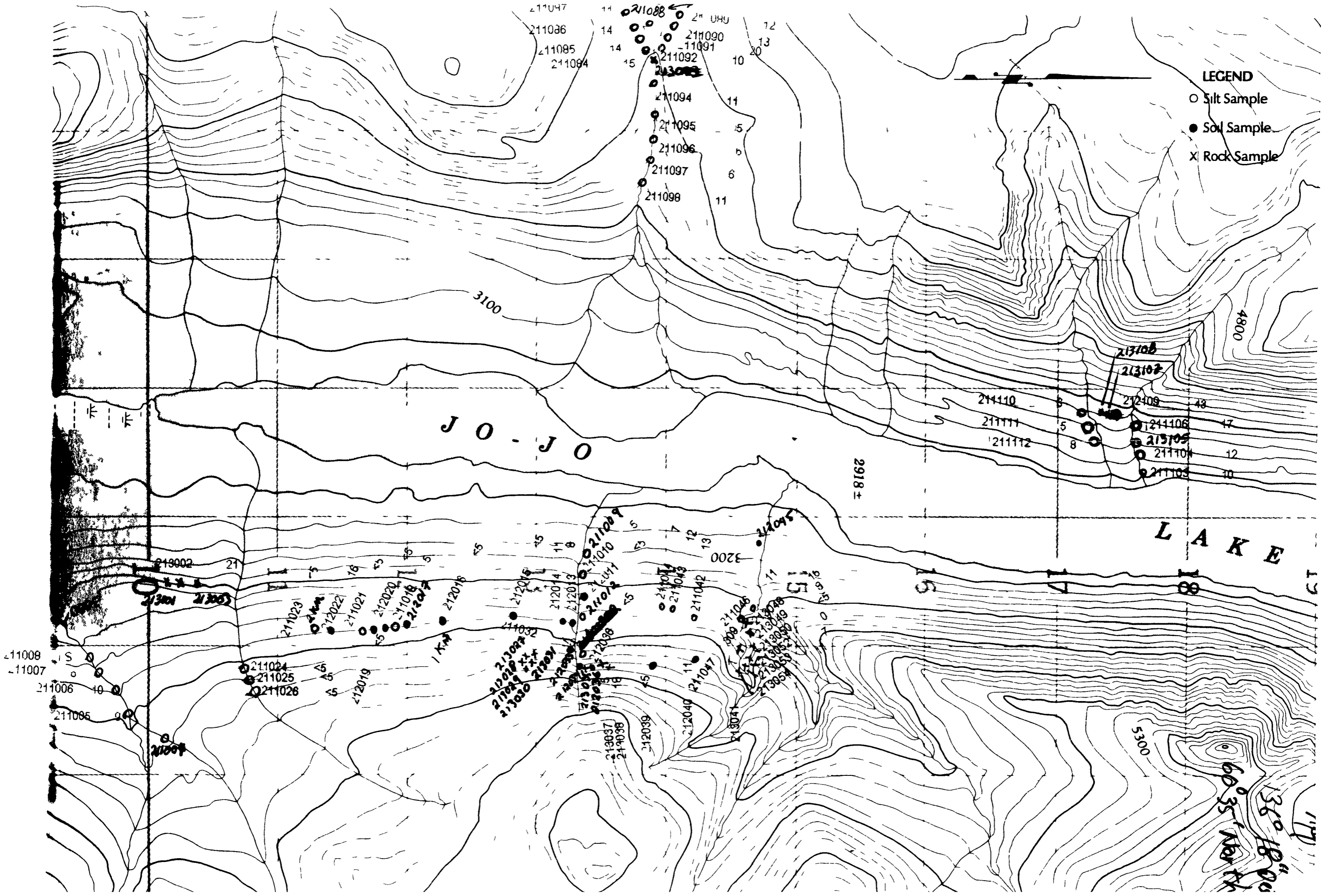
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			hod	Low	High				
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molybdenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	?	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	99.99	?	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	99.99	?	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	99.99	?	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	?	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	?	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	?	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	?	P ICP	Phosphorus	30





**LEGEND**

- Silt Sample
- Soil Sample
- X Rock Sample



NTS 115 A-9

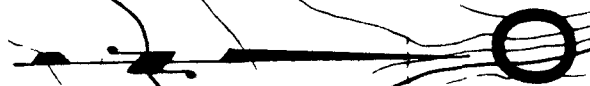
Longitude 136° 18' West

Latitude 60° 35' North

213001 To 213050

and 213052 To 213054

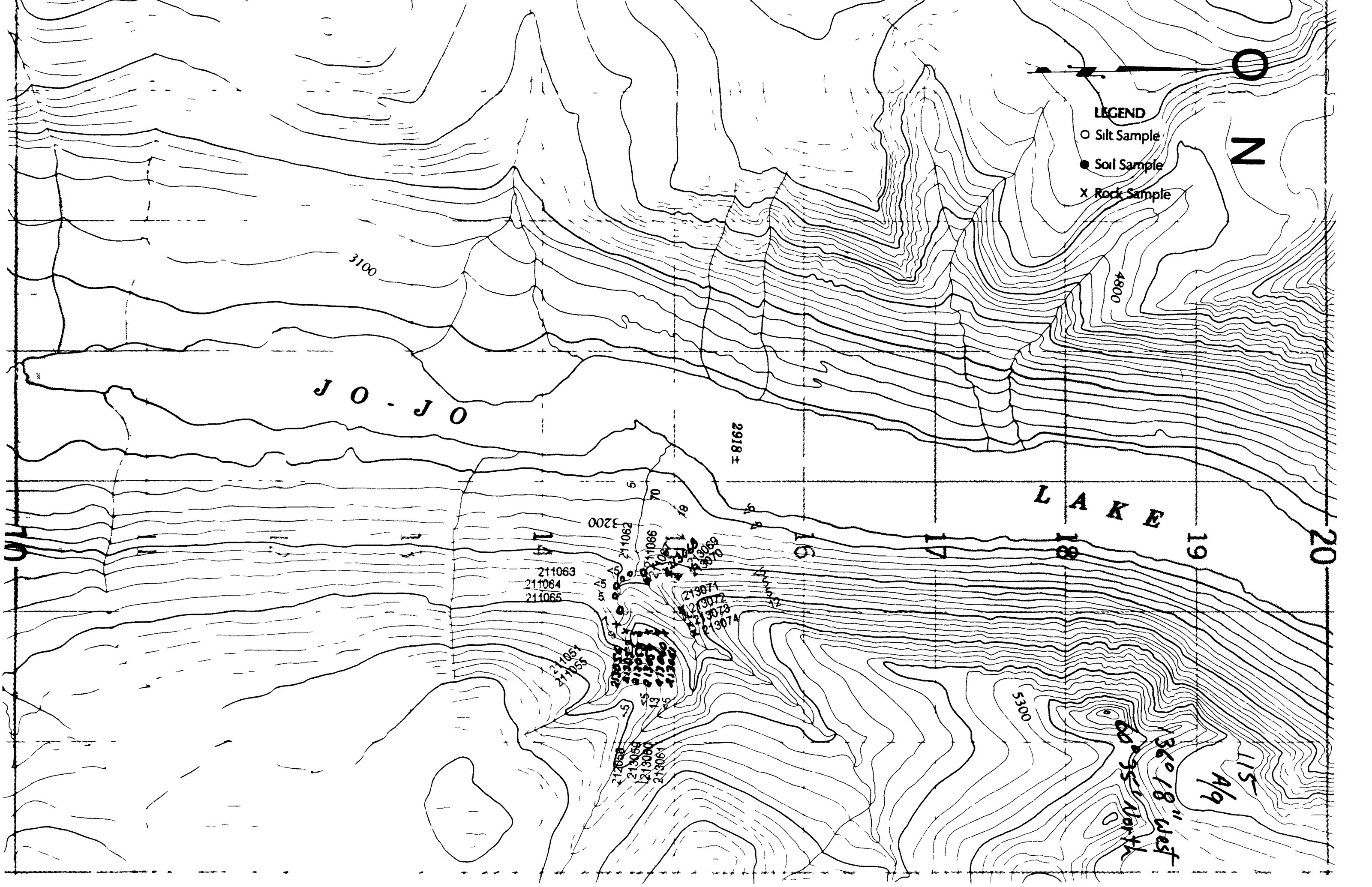
211084 To 211112 < West Side  
of JoJo Lake >



N

LEGEND

- Silt Sample
- Soil Sample
- x Rock Sample



J O - J O

L A K E

211063  
211064  
211065

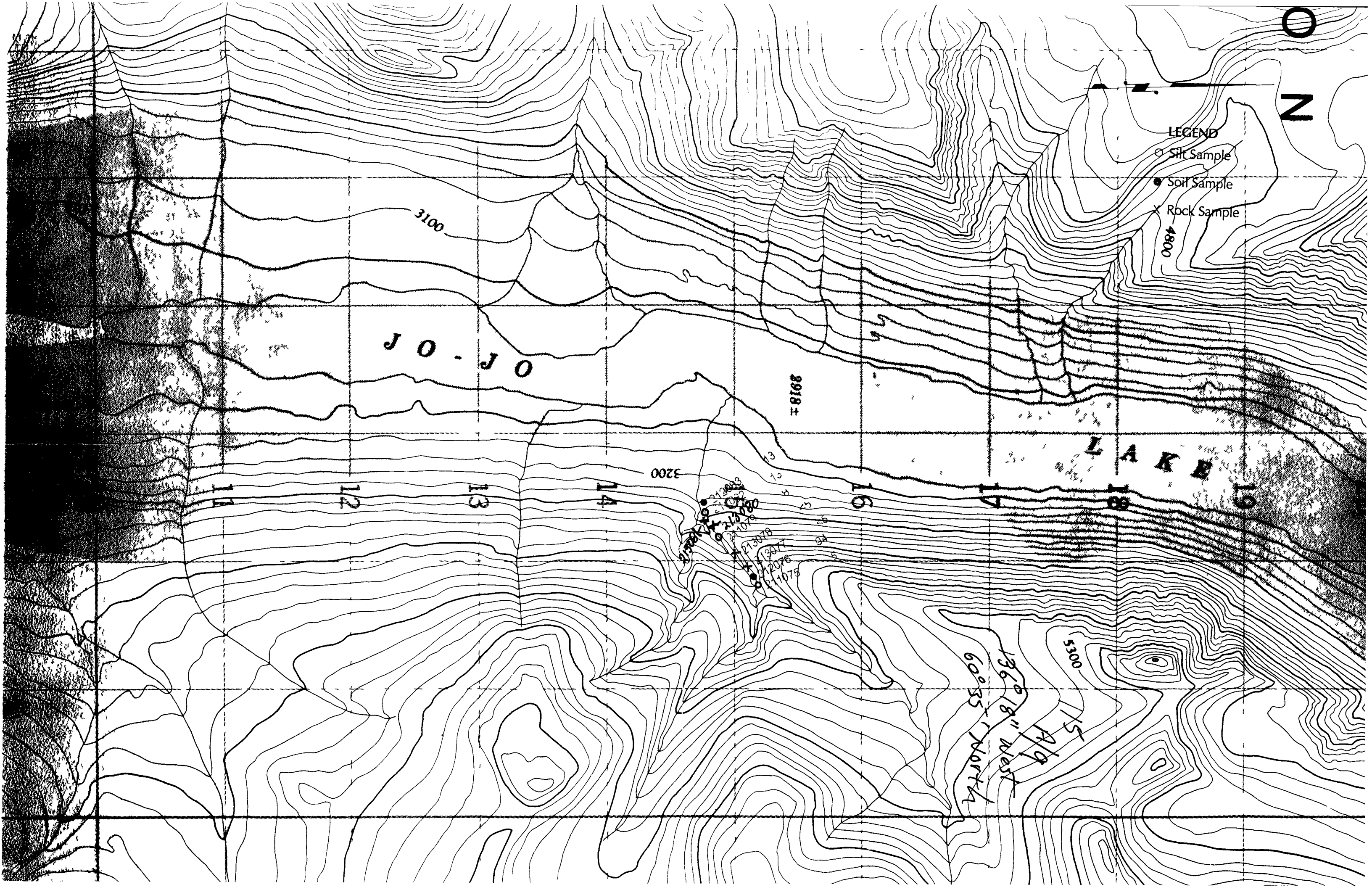
213071  
213072  
213073  
213074

213058  
213059  
213060  
213061

1360 18" West  
60-95' North  
115  
A/q

NTS 115 A-9  
Longitude 136° 18' West  
Latitude 60° 35' North

211051	213070
211055	213071
213056	213072
213057	213073
213058	213074
213059	
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213061	
211062	
211063	
211064	
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211066	
211067	
213068	
213069	



0  
N

LEGEND

- Silt Sample
- Soil Sample
- × Rock Sample

J O - J O

L A R B

11 12 13 14 15 16 17 18

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3918 ±

4800

5300

A/P  
136° 18' West  
60° 35' North

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3002  
3001  
3000

NTS 115 A-9

longitude 136° 18" West

latitude 60° 35' North

211075

212076

213077

213078

211079

213080

213081

211082

211083

211083

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