

June 26/91

885981

NELSON ISLAND

Elements	:	Se	Duplicates
Units	:	PPM	
Detection Limits	:	0.100	
42466 NI91-5A		0.830	0.760
42467 NI91-6A		0.530	0.450
42468 NI91-12		0.220	
42469 NI91-5E		4.950	
42470 NI91-6B		-0.100	
42471 NI91-5B (DUP)		4.950	
42472 NI91-7		-0.100	
42473 NI91-9		0.150	0.110
42474 NI91-12A		-0.100	-0.100
42475 NI91-15		2.500	
42476 NI91-8C		5.300	
42477 NI91-12B		-0.100	-0.100
42478 NI91-13		-0.100	
42479 STANDARD B		0.150	
42480 NI91-5		5.400	5.250
42481 NI91-15A		5.940	

STANDARDS	:	GXR5	NBSS1633a	GSS-1	GSS-4
UNITS	:	ppm	ppm	ppm	ppm
	:				
Se		0.91	11.0	0.09	0.49
		0.99	10.9	0.10	
Certified Value		1.12	10.3	0.14	0.64
\bar{x} from last runs		0.90	9.4	0.11	0.59

Elements	:	Cu	Pb	Zn	As	Se
Units	:	PPM	PPM	PPM	PPM	PPM
Detection Limits	:	2.000	6.000	2.000	1.000	1.000
42466 NI91-5A	:	154.000	10.000	284.000	70.000	
42467 NI91-6A	:	135.000	72.000	3600.000	84.000	
42468 NI91-12	:	225.000	14.000	285.000	10.000	
42469 NI91-5B	:	282.000	-6.000	144.000	33.000	
42470 NI91-6B	:	18.000	-6.000	123.000	4.000	
42471 NI91-5B(DUP)	:	278.000	-6.000	112.000	33.000	
42472 NI91-7	:	5.000	-6.000	18.000	1.000	
42473 NI91-9	:	245.000	8.000	279.000	11.000	
42474 NI91-12A	:	75.000	-6.000	188.000	6.000	
42475 NI91-15	:	141.000	-6.000	137.000	59.000	
42476 NI91-8C	:	157.000	-6.000	27.000	18.000	
42477 NI91-12B	:	3400.000	-6.000	640.000	6.000	
42478 NI91-13	:	132.000	-6.000	157.000	8.000	
42479 STANDARD B	:	281.000	-6.000	28.000	5.000	
42480 NI91-5	:	237.000	-6.000	140.000	19.000	
42481 NI91-15A	:	296.000	-6.000	98.000	94.000	

STANDARDS	:	GXR4	GXR5	MP1
UNITS	:	ppm	ppm	%
	:	ASL/CERT	ASL/CERT	ASL/CERT
Cu	:	5600/6000	325/354	1.87/2.03
Pb	:	48/52	18/21	1.66/1.80
Zn	:	67/73	49/49	15.7/15.9
As	:	97/98	11/11	

JUL 29 1991

Geological Survey Branch
MEMPR

June 26/91

Tom, more results... this Arsenic... the 1st two soils (5A & 6A) are (very) high for soils and rocks 15 & 15.A are also anomalously high.

Ray Lett was saying that these analyses are total metal extraction & will give higher values than a partial extraction (more reasonable to report) which comes closer to representing the "bio-availability of metals" - the amounts that can get into plants. Forestry, apparently commonly uses 1 partial extraction analyses methods.

Lab Number	Field Number	Cu		Pb		Zn		As		Se	
		Result	Method Intl	Result	Method Intl	Result	Method Intl	Result	Method Intl	Result	Method Intl
042466	NI91-5A	154	AAS KC	10	AAS KC	284	AAS KC	70	AAS/AH KC	0.83	AAS/AH KC
042467	NI91-6A	135	AAS KC	72	AAS KC	3600	AAS KC	84	AAS/AH KC	0.53	AAS/AH KC
042468	NI91-12	225	AAS KC	14	AAS KC	285	AAS KC	10	AAS/AH KC	0.22	AAS/AH KC
042469	NI91-5B(DUP)	282	AAS KC	<6	AAS KC	144	AAS KC	33	AAS/AH KC	4.95	AAS/AH KC
042470	NI91-6B	18	AAS KC	<6	AAS KC	123	AAS KC	4	AAS/AH KC	<0.10	AAS/AH KC
042471	NI91-5B(DUP)	278	AAS KC	<6	AAS KC	112	AAS KC	33	AAS/AH KC	4.95	AAS/AH KC
042472	NI91-7	-5	AAS KC	<6	AAS KC	18	AAS KC	1	AAS/AH KC	<0.10	AAS/AH KC
042473	NI91-9	245	AAS KC	8	AAS KC	279	AAS KC	11	AAS/AH KC	0.15	AAS/AH KC
042474	NI91-12A	75	AAS KC	<6	AAS KC	188	AAS KC	6	AAS/AH KC	<0.10	AAS/AH KC
042475	NI91-15	141	AAS KC	<6	AAS KC	137	AAS KC	59	AAS/AH KC	2.50	AAS/AH KC

LOG NO: JUL 29 1991 VAN 5
ACTION:
FILE NO:

Lab Number	Field Number	Au		Cu		Pb		Zn		As	
		Result	Method Intl	Result	Method Intl	Result	Method Intl	Result	Method Intl	Result	Method Intl
042476	NI91-8C	1b	FA/ICP ACM	157	AAS KC	<6	AAS KC	27	AAS KC	18	AAS/AH KC
042477	NI91-12B	4b	FA/ICP ACM	3400	AAS KC	<6	AAS KC	640	AAS KC	6	AAS/AH KC
042478	NI91-13	6b	FA/ICP ACM	132	AAS KC	<6	AAS KC	157	AAS KC	8	AAS/AH KC
042479	STANDARD B	27b	FA/ICP ACM	281	AAS KC	6	AAS KC	28	AAS KC	5	AAS/AH KC
042480	NI91-5	6b	FA/ICP ACM	237	AAS KC	<6	AAS KC	140	AAS KC	19	AAS/AH KC
042481	NI91-15A	4b	FA/ICP ACM	296	AAS KC	<6	AAS KC	98	AAS KC	94	AAS/AH KC

LOG NO:	JUL 29 1991	VAN
ACTION:		
FILE NO:		

Lab Number	Field Number	Se Result	Method	Intl
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042476	NI91-8C	5.30	AAS/AH	KC
042477	NI91-12B	<0.10	AAS/AH	KC
042478	NI91-13	<0.10	AAS/AH	KC
042479	STANDARD B	0.15	AAS/AH	KC
042480	NI91-5	5.40	AAS/AH	KC
042481	NI91-15A	5.94	AAS/AH	KC

LOG NO: JUL 29 1991 VAN

ACTION:

FILE NO:

ANALYTICAL AND LAPIDARY SERVICES REQUEST

Page 1 of 1

Analytical Sciences Laboratory
541 Superior Street, Victoria B.C., V8V 1X4
(604) 356-2134

Lab Batch Number 91/017

Number of Samples 14
Geologist/Project P. WILTON / R. LANE
Responsibility Number 670

Commitment Number _____
Spending Authority P. WILTON
Account Number 06746

Date Samples Received _____
Date Preliminary Report _____
Date of Final Report _____

LAB NUMBER	SAMPLE NUMBER	NTS MAP SHEET	UTM ZN	UTM EASTING	UTM NORTHING	MINFILE CODE STRAT	MINFILE CODE ROCK	SAMPLE TYPE	ANALYTICAL PACKAGE	MIN.	PULV. CODE	COST PER SAMPLE
42466	NI 91-5A	92G9						SOIL			ASL3	10.50
42467	NI 91-6A	92G9						SOIL			ASL3	10.50
42468	NI 91-12	92G9						SOIL			ASL3	10.50
	*											
42469	NI 91-5B	92G9						G	ASL6 [Pb, Zn]		ASL2	12.25
42470	NI 91-6B	92G9						G	G]		ASL2	12.25
42472	NI 91-7	92G9						G	ASL7 (As)		ASL2	12.25
42473	NI 91-8	92G9						G	ASL7 (Se) Au		ASL2	12.25
42474	NI 91-9	92G9						G			ASL2	12.25
42475	NI 91-12A	92G9						G			ASL2	12.25
42476	NI 91-12B	92G9						G	Au		ASL2	12.25
42477	NI 91-13	92G9						G	Au		ASL2	12.25
42478	NI 91-15	92G9						G			ASL2	12.25
42480	NI 91-5	92G9						C	Au	M	ASL2	12.25
42481	NI 91-15A	92G9						C	Au		ASL2	12.25

Special Instructions :

Estimated Cost : 166.25

Elements	Cu	Pb	Zn	As	Se
Units	PPM	PPM	PPM	PPM	PPM
Detection Limits	2.000	6.000	2.000	1.000	1.000
42466 NI91-5A	154.000	10.000	284.000		
42467 NI91-6A	135.000	72.000	<u>3600.000</u>		
42468 NI91-12	225.000	14.000	285.000		
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42474 NI91-12A	75.000	-6.000	188.000		
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42476 NI91-8C	157.000	-6.000	27.000		
42477 NI91-12B	<u>3400.000</u>	-6.000	640.000		
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42480 NI91-5	237.000	-6.000	140.000		
42481 NI91-15A	296.000	-6.000	98.000		

Tom Sample NI91-12B ran 0.34% Cu (malachite stained skarn float - near source)
 soil NI91-6A ran 0.36% Zn !!

The other elements / analyses will be done by Wed / Thur. of next week. Ray Lett will review / check data for its 'certainty' & will FAX results to you at end of next week.

B