

Division of Geological & Geophysical Surveys

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**PRELIMINARY GEOCHEMICAL AND MAJOR OXIDE DATA:
CHULITNA PROJECT, HEALY A-6 QUADRANGLE AND
NEARBY AREAS (1997 & 1998 DATA)**

by

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Introduction

This report consists of geochemical and major oxide analyses of rocks samples collected by DGGs for a geological mapping project in the Healy A-6 quadrangle and nearby areas (including parts of the Healy A-5, B-5, B-6 and Mt. McKinley A-1 quadrangles). Maps of major oxide and geochemical sample locations are included in the report. Field work was conducted during the summers of 1997 and 1998 as a follow-up to geophysical surveys of the Chulitna mining district flown in 1996 (Burns, 1997). The information included herein is current as of October 21, 1998. Samples were analyzed by Chemex Labs, Inc., 994 Glendale Ave., Unit 3, Sparks, Nevada 89431 and by R.J. Newberry, University of Alaska, Fairbanks, Alaska, 99709.

Samples were collected by the following individuals and are identified in the sample names by the letters following their names: R.B. Blodgett¹ (RB), T.K. Bundzen² (BT), K.H. Clautice³ (KC), B.G. Gage⁴ (BG), S.A. Haug⁴ (SH), C.C. Hawley⁵ (CH), E.E. Harris³ (HA), S.A. Liss³ (SL), M.L. Miller⁶ (AM), R.J. Newberry⁷ (RN), R.R. Reifenhuth³ (RR).

Reference

Burns, Laurel E. Portfolio of aeromagnetic and resistivity maps of the Chulitna mining district (1997): Alaska Division of Geological and Geophysical Surveys, Public Data File 97-7. 6 pages.

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Table 1: 1997 Geochemical Data, Chulitna Project, Healy A-6 and nearby areas*

X= minimum concentration due to incomplete digestion in aqua regia

Sample ID	Latitude	Longitude															
			ELEMENT	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca
			UNITS	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%
			METHOD	FA-AAS	FA-GRAV	FA-GRAV	CP-AES	FA-GRAV	FA-GRAV	ICP-AES	ICP-AES	XRF	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00
97AM200B	63.09694	-149.67457		<5	---		1.8			2.4	8.0		580.0	<0.5	<2		0.0
97AM200C	63.09694	-149.67457		10	---		<0.2			0.1	<2		40.0	<0.5	<2		0.0
97AM200D	63.09694	-149.67457		10	---		0.2			0.0	6.0		50.0	<0.5	<2		<0.1
97AM200E	63.09694	-149.67457		20	---		<0.2			<0.1	2.0		60.0	<0.5	<2		<0.1
97AM200F	63.09694	-149.67457		10	---		<0.2			0.0	<2		600.0	<0.5	34.0		0.8
97AM203A	63.08164	-149.67990		<5	---		<0.2			1.0	6.0		120.0	<0.5	<2		0.0
97AM205C	63.09532	-149.63143		<5	---		<0.2			3.1	8.0		70.0	<0.5	<2		2.9
97AM213E	63.11447	-149.66906		<5	---		<0.2			2.7	8.0		130.0	<0.5	<2		0.1
97AM217A	63.12166	-149.64535		<5	---		<0.2			0.1	<2		40.0	<0.5	<2		0.0
97AM226A	63.17146	-149.52400		<5	---		<0.2			3.3	<2		1140.0	<0.5	<2		1.8
97AM 226A	63.17146	-149.52400					<0.2			3.8	2.0		840.0	0.5	<2		2.2
97AM227A	63.17169	-149.51937		15	---		<0.2			0.3	<2		80.0	<0.5	<2		0.3
97AM235B	63.10135	-149.71631		<5	---		<0.2			0.1	12.0		80.0	<0.5	<2		0.0
97BT211D	63.18252	-149.91566		<5	---		1.2			0.3	6.0		<10	<0.5	6.0		0.1
97BT227B	63.23688	-149.78337		<5	---		0.2			0.2	<2		60.0	<0.5	<2		>15.00
97BT228	63.23615	-149.76635		<5	---		1.2			0.5	70.0		110.0	<0.5	<2		1.7
97BT229	63.23702	-149.75036		<5	---		<0.2			0.6	<2		190.0	<0.5	<2		11.6
97BT260	63.19412	-149.80042		<5	---		<0.2			2.6	<2		830.0	5.5	<2		2.9
97BT261	63.19082	-149.79447		<5	---		0.4			0.2	84.0		550.0	<0.5	<2		0.1
97BT262A	63.19717	-149.81974		<5	---		<0.2			0.3	16.0		100.0	<0.5	<2		1.0
97BT262B	63.19717	-149.81974		<5	---		<0.2			0.4	16.0		140.0	<0.5	12.0		0.8
97BT273A	63.16056	-149.85961		10	---		31.2			0.2	72.0		<10	<0.5	<2		>15.00
97BT273B	63.16056	-149.85961		90	---		6.2			0.1	>10000	25.3	<10	<0.5	<2		0.5
97BT273C	63.16056	-149.85961		540	---		35.0			0.1	>10000	22.7	<10	<0.5	66.0	52.0	0.1
97BT285	63.15022	-149.85144		255			0.4			2.0	548.0		120.0	1.0	6.0	6.1	0.0
97BT285X	63.15022	-149.85144		75			27.6			1.6	1450.0		40.0	<0.5	Intf*		0.6
97BT288	63.21094	-149.84370		<5			<0.2			1.2	12.0		170.0	0.5	<2		0.1
97HA028	63.17564	-149.61298		<5	---		0.2			1.2	1790.0		130.0	0.5	<2		2.7
97HA041A	63.09050	-149.74146		<5	---		0.8			1.5	1945.0		90.0	<0.5	<2		4.4
97HA048	63.02160	-149.83297		5			0.2			1.7	14.0		30.0	<0.5	<2		5.2
97HA049A	63.02025	-149.82852		<5			<0.2			0.5	12.0		230.0	<0.5	<2		0.1
97HA049B	63.02025	-149.82852		<5			<0.2			0.1	10.0		2500.0	<0.5	<2		0.4
97HA051A	63.01127	-149.82569		<5			1.0			6.8	8.0		180.0	2.0	<2		2.9

Sample ID	X		Cu %	Fe %	X		K %	La ppm	Mg %	X		Na %	Ni ppm	P ppm	Pb ppm	Rb ppm	Sb ppm
	Co ppm	Cr ppm			Ga ppm	Hg ppm				Mn ppm	Mo ppm						
	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES
	1	1	1	0	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2
	10000	10000	10000	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000	10000
97AM200B	17.0	32.0	49.0		2.8	<10	<1	0.3	10.0	1.6	420.0	<1	0.0	26.0	320.0	72.0	4.0
97AM200C	1.0	377.0	5.0		1.9	<10	<1	0.0	<10	<0.1	5460.0	1.0	<0.1	8.0	40.0	<2	<2
97AM200D	1.0	161.0	4.0		5.8	<10	<1	<0.1	<10	<0.1	2370.0	15.0	<0.1	6.0	100.0	12.0	2.0
97AM200E	<1	224.0	4.0		1.5	<10	<1	<0.1	<10	<0.1	45.0	3.0	<0.1	2.0	10.0	<2	<2
97AM200F	<1	80.0	32.0		0.3	<10	<1	<0.1	<10	0.1	>10000	<1	<0.1	60.0	570.0	<2	<2
97AM203A	2.0	171.0	10.0		2.4	<10	<1	0.1	<10	0.5	405.0	1.0	<0.1	8.0	160.0	6.0	<2
97AM205C	21.0	25.0	48.0		5.5	10.0	<1	0.1	<10	2.0	1460.0	<1	<0.1	6.0	410.0	<2	<2
97AM213E	11.0	167.0	14.0		3.6	10.0	<1	0.6	<10	1.5	330.0	<1	0.0	49.0	620.0	2.0	<2
97AM217A	<1	160.0	13.0		0.6	<10	<1	0.0	<10	0.0	280.0	1.0	<0.1	4.0	60.0	4.0	<2
97AM226A	17.0	53.0	11.0		4.2	10.0	<1	0.5	30.0	2.2	505.0	<1	0.2	8.0	1760.0	4.0	<2
97AM 226A	15.0	57.0	12.0		4.4	10.0	<1	0.6	30.0	2.2	580.0	1.0	0.3	7.0	1850.0	2.0	<2
97AM227A	10.0	98.0	63.0		1.3	<10	<1	0.0	<10	0.2	1375.0	<1	<0.1	20.0	10.0	6.0	<2
97AM235B	<1	217.0	1.0		0.5	<10	<1	0.0	<10	0.0	45.0	<1	<0.1	3.0	300.0	2.0	12.0
97BT211D	<1	124.0	4.0		1.3	<10	<1	0.1	<10	<0.1	270.0	4.0	<0.1	3.0	510.0	2.0	<2
97BT227B	3.0	48.0	19.0		0.7	<10	<1	0.0	<10	0.3	1480.0	<1	<0.1	9.0	220.0	8.0	2.0
97BT228	5.0	140.0	17.0		2.9	<10	<1	0.2	<10	0.0	90.0	3.0	0.0	33.0	6950.0	6.0	<2
97BT229	6.0	41.0	10.0		1.3	<10	<1	0.2	10.0	2.2	2720.0	<1	0.0	16.0	3350.0	6.0	<2
97BT260	6.0	143.0	587.0		2.7	<10	<1	0.1	<10	1.5	145.0	<1	<0.1	29.0	340.0	<2	10
97BT261	3.0	163.0	7.0		0.9	<10	<1	0.1	<10	0.1	215.0	3.0	<0.1	9.0	210.0	6.0	<2
97BT262A	2.0	134.0	8.0		0.8	<10	<1	0.1	<10	0.3	165.0	<1	0.0	7.0	60.0	34.0	2.0
97BT262B	1.0	96.0	1.0		0.8	<10	<1	0.2	<10	0.3	125.0	<1	0.1	6.0	160.0	48.0	<2
97BT273A	1.0	61.0	2200.0		0.7	<10	<1	0.0	<10	0.2	1120.0	<1	<0.1	5.0	110.0	2.0	2
97BT273B	50.0	33.0	615.0		>15.00	10.0	<1	<0.1	<10	0.0	130.0	13.0	<0.1	21.0	<10	8.0	9
97BT273C	7.0	32.0	2290.0		>15.00	10.0	<1	<0.1	<10	<0.1	35.0	7.0	<0.1	7.0	<10	158.0	6
97BT285	6.0	145.0	438.0		>15.00	<10	<1	0.4	<10	0.5	515.0	<1	0.0	18.0	570.0	14.0	38
97BT285X	21.0	83.0	>10000	1.3	5.6	<10	<1	0.2	<10	0.8	300.0	7.0	0.0	81.0	Intf*	22.0	28
97BT288	21.0	75.0	107.0		8.9	<10	<1	0.2	60.0	0.1	905.0	<1	0.0	57.0	570.0	10.0	
97HA028	6.0	30.0	18.0		3.2	<10	<1	0.2	10.0	0.8	730.0	<1	0.0	3.0	960.0	2.0	2.0
97HA041A	4.0	19.0	100.0		3.4	<10	<1	0.2	<10	0.8	1520.0	<1	<0.1	4.0	480.0	<2	<2
97HA048	9.0	30.0	52.0		3.3	<10	<1	0.0	<10	1.0	2080.0	1.0	0.1	16.0	720.0	8.0	<2
97HA049A	7.0	148.0	66.0		1.5	<10	<1	0.1	<10	0.3	4770.0	1.0	<0.1	10.0	270.0	8.0	<2
97HA049B	<1	113.0	6.0		0.2	<10	<1	<0.1	<10	0.1	>10000	1.0	0.0	57.0	120.0	2.0	2.0
97HA051A	12.0	157.0	53.0		2.8	10.0	<1	0.8	<10	1.6	325.0	3.0	0.7	87.0	580.0	10.0	83

Sample ID	Sc	Sn	X	Te	X	X	U	V	X	W	W	Zn	Zn	Field description
	ppm	ppm	Sr	ppm	Ti	Ti	ppm	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	XRF	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES	AAS		
	1		1	0.1	0.01	10	10	1	10			2	0	
	10000		10000	1000	5	10000	10000	10000	10000			10000	100	
97AM200B	4.0		10.0		<.01	<10	<10	42.0	<10			110.0		arg w/disseminated and fine seams of py
97AM200C	1.0		5.0		<.01	<10	<10	8.0	<10			10.0		qtz vein w/grey sulfide (aspy?)
97AM200D	1.0		1.0		<.01	<10	<10	11.0	<10			16.0		qtz veined and Fe-stained chert?
97AM200E	<1		<1		<.01	<10	<10	7.0	<10			<2		chert
97AM200F	<1		42.0		<.01	<10	<10	16.0	80.0			124.0		Mn-stained?, rexlized chert + rhodonite?
97AM203A	1.0		5.0		<.01	<10	<10	38.0	<10			22.0		Fe-stained qtz vein from chert
97AM205C	21.0		76.0		0.3	<10	<10	165.0	<10			86.0		volcaniclastic ss? w/diss. py. minor cp
97AM213E	4.0		12.0		0.1	<10	<10	79.0	<10			74.0		graphitic? arg or siltstone, high in Mn?
97AM217A	1.0		2.0		<.01	<10	<10	4.0	<10			12.0		qtz veined cherty tuff/arg. minor Fe-stain
97AM226A	8.0		187.0		0.1	<10	<10	77.0	<10			112.0		px diorite dike
97AM 226A	11.0		227.0		0.1	<10	<10	81.0	<10			114.0		px diorite dike
97AM227A	<1		9.0		<.01	<10	<10	6.0	<10			66.0		Fe-stained former chert? or cherty mudstone w/ py seams
97AM235B	<1		18.0		<.01	<10	<10	3.0	<10			2.0		vfg dk siliceous rock
97BT211D	<1		1.0		<.01	<10	10.0	<1	<10			568.0		
97BT227B	3.0		989.0		<.01	<10	<10	4.0	<10			44.0		
97BT228	3.0		155.0		<.01	<10	<10	122.0	<10			50.0		breccia
97BT229	8.0		1405.0		<.01	<10	<10	15.0	<10			36.0		sandy shale
97BT260	8.0	5	444.0		<.01	<10	<10	33.0	<10	5		102.0		limestone/basalt
97BT261	2.0		63.0		<.01	<10	<10	7.0	<10			34.0		qtz soil zone
97BT262A	<1		63.0		<.01	<10	<10	2.0	<10			20.0		mineralized granite dike
97BT262B	<1		61.0		<.01	<10	10.0	<1	<10			36.0		mineralized granite dike
97BT273A	<1	51	151.0		<.01	<10	<10	18.0	<10	1		44.0		qtz carbonate
97BT273B	<1	257	147.0		<.01	<10	<10	9.0	<10	5		100.0		massive aspy zone
97BT273C	<1	298	104.0	1.5	<.01	<10	<10	9.0	<10	<5		128.0		sulfidized mudstone
97BT285	6.0	6	7.0	0.1	0.1	<10	<10	203.0	<10	5		62.0		
97BT285X	6.0	44	17.0		0.0	<10	<10	119.0	<10	<2		344.0		Ready Cash
97BT288	6.0		13.0		0.0	<10	<10	72.0	<10			116.0		felsic aphanitic intrusion
97HA028	3.0		277.0		<.01	<10	<10	10.0	<10			116.0		felsic dike w/sulfides
97HA041A	6.0		35.0		0.2	<10	<10	38.0	<10			62.0		tuff, volcaniclastic?
97HA048	7.0		41.0		0.2	<10	<10	89.0	<10			88.0		banded lt grey gm tuff and dk-med grey tuff
97HA049A	1.0		20.0		<.01	<10	<10	24.0	<10			34.0		chert w/qtz and Fe-oxide
97HA049B	<1		55.0		<.01	<10	<10	<1	<10			70.0		chert
97HA051A	8.0	8	916.0		0.1	<10	<10	141.0	<10	3		86.0		Fe-stained monzodiorite dike

			ELEMENT																
			UNITS	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca	Cd	
			METHOD	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01	0.5	
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00	100	
Sample ID	Latitude	Longitude																	
97HA051C	63.01127	-149.82569	<5				0.6				0.3	12.0		10.0	<5	<2		<0.1	<0.5
97HA 067	63.07700	-149.72632					<0.2				1.6	4.0		40.0	<0.5	<2		1.2	<0.5
97KC207	63.12639	-149.78188	<5	---			<0.2				0.1	102.0		<10	<0.5	<2		0.8	2.0
97KC208	63.12414	-149.78624	<5				<0.2				3.8	12.0		10.0	0.5	<2		3.9	1.0
97KC213	63.07160	-149.85668	<5	---			<0.2				0.3	228.0		10.0	<0.5	<2		7.6	1.5
97KC214	63.07034	-149.85389	<5	---			0.6				4.1	16.0		30.0	<0.5	<2		5.9	1.0
97KC215	63.06899	-149.85071	<5	---			<0.2				5.8	12.0		<10	<0.5	<2		0.6	<0.5
97KC 216	63.06895	-149.84896					<0.2				2.5	<2		10.0	<0.5	<2		6.1	<0.5
97KC 220	63.06044	-149.83549					<0.2				2.6	2.0		620.0	0.5	<2		1.9	<0.5
97KC220	63.06044	-149.83549	<5	---			<0.2				3.5	14.0		90.0	0.5	<2		3.2	0.5
97KC221	62.99274	-149.86121	<5	---			0.2				4.2	34.0		220.0	0.5	<2		1.5	<0.5
97KC222	62.99279	-149.86105	150	---			2.2				1.6	5670.0		100.0	1.0	30.0	29.0	0.7	7.5
97KC225	62.99281	-149.86111	35	---			16.6				1.0	3650.0		170.0	1.0	42.0		0.2	3.0
97KC227	63.18150	-149.91635	<5	---			3.4				0.9	70.0		<10	2.0	2.0		0.1	>100.0
97KC228	63.21317	-149.57322	<5	---			3.8				1.2	98.0		90.0	<0.5	<2		0.2	3.5
97KC229	63.21317	-149.57322	<5	---			9.4				0.4	48.0		40.0	<0.5	2.0		0.0	5.0
97KC230	63.21317	-149.57322	<5	---			5.0				0.5	32.0		30.0	1.0	<2		0.8	17.0
97KC236	63.19381	-149.64963	3820	---			36.8				2.6	>10000	8.4	<10	<0.5	252.0	210.0	0.1	51.5
97KC251	63.19471	-149.61498	<5			---	<0.2				0.1	2.0		10.0	<0.5	<2		0.0	<0.5
97KC256B	63.16497	-149.54951	<5			---	<0.2				0.4	<2		200.0	<0.5	2.0		0.3	<0.5
97KC 260	63.11305	-149.76135					<0.2				2.8	10.0		50.0	0.5	<2		1.8	<0.5
97KC 262	63.19291	-149.60885					<0.2				2.4	26.0		340.0	<0.5	<2		1.7	<0.5
97KC263	63.19168	-149.61527	15	---			2.6				0.7	40.0		80.0	<0.5	<2		<0.1	<0.5
97KC264	63.19022	-149.61420	<5	---			<0.2				0.0	144.0		<10	<0.5	<2		<0.1	0.5
97KC265	63.18907	-149.61310	10	---			<0.2				0.9	28.0		100.0	0.5	<2		0.4	<0.5
97KC270	63.17821	-149.61589	<5			---	0.2				1.6	4.0		90.0	0.5	<2		2.1	<0.5
97KC276A	63.07556	-149.95638	<5			---	<0.2				0.6	6.0		40.0	0.5	<2		1.1	<0.5
97KC276B	63.07556	-149.95638	30			---	1.8				5.2	40.0		40.0	<0.5	16.0		3.9	1.0
97KC279	63.07134	-149.95671	>10000			12	92.4				0.1	>10000	20.1	30.0	<0.5	238.0	<0.1	0.0	3.5
97KC282	63.07061	-149.95879	1120			---	>100.0	2.9			0.7	2430.0		50.0	<0.5	18.0	15.0	1.6	>100.0
97KC284B	63.06997	-149.96017	110			---	1.0				2.7	1165.0		50.0	<0.5	6.0	2.3	1.6	<0.5
97KC294	63.03434	-150.00079	<5			---	0.6				1.1	58.0		120.0	<0.5	<2		4.5	2.0
97KC295	63.03751	-150.00115	<5			---	0.2				3.0	18.0		40.0	<0.5	<2		5.9	<0.5
97KC300	63.04890	-150.00079	6240			---	5.2				1.4	48.0		<10	<0.5	70.0	42.0	1.0	1.0
97KC303	63.01964	-149.97037	15			---	<0.2				2.1	24.0		180.0	0.5	2.0		3.5	<0.5

	Co ppm ICP-AES 1 10000	Cr ppm ICP-AES 1 10000	Cu ppm ICP-AES 1 10000	Cu % AAS 0 100	Fe % ICP-AES 0.01 15	Ga ppm ICP-AES 10 10000	Hg ppm ICP-AES 1 10000	K % ICP-AES 0.01 10	La ppm ICP-AES 10 10000	Mg % ICP-AES 0.01 15	Mn ppm ICP-AES 5 10000	Mo ppm ICP-AES 1 10000	Na % ICP-AES 0.01 5	Ni ppm ICP-AES 1 10000	P ppm ICP-AES 10 10000	Pb ppm ICP-AES 2 10000	Rb ppm XRF	Sb ppm ICP-AES 2 10000
Sample ID																		
97HA051C	49.0	815.0	2.0		4.7	<10	<1	<0.01	<10	12.7	330.0	<1	0.0	1295.0	<10	10.0		<2
97HA 067	7.0	19.0	38.0		2.0	<10	<1	0.1	<10	0.5	1085.0	<1	<0.01	6.0	370.0	2.0		<2
97KC207	51.0	347.0	7.0		3.6	<10	2.0	<0.01	<10	13.7	715.0	<1	<0.01	963.0	10.0	<2		2.0
97KC208	23.0	31.0	212.0		7.3	20.0	<1	0.0	<10	1.3	615.0	<1	0.0	10.0	1690.0	2.0		<2
97KC213	12.0	167.0	13.0		1.8	<10	<1	<0.01	<10	3.5	945.0	<1	<0.01	55.0	40.0	<2		2.0
97KC214	32.0	89.0	5040.0		4.4	10.0	<1	0.0	<10	4.6	2000.0	<1	0.0	64.0	190.0	<2		<2
97KC215	42.0	42.0	3050.0		11.3	20.0	<1	0.0	<10	3.2	1490.0	1.0	<0.01	34.0	220.0	<2		<2
97KC 216	26.0	186.0	140.0		4.0	<10	<1	<0.01	<10	3.2	585.0	<1	0.0	103.0	270.0	2.0		<2
97KC 220	24.0	19.0	54.0		8.1	10.0	<1	0.1	10.0	1.3	1080.0	<1	0.1	5.0	2170.0	2.0		<2
97KC220	31.0	21.0	84.0		8.9	20.0	<1	0.0	10.0	1.8	1035.0	<1	0.0	7.0	2650.0	<2		<2
97KC221	8.0	64.0	82.0		3.3	10.0	<1	0.9	10.0	1.3	280.0	<1	0.4	8.0	1110.0	14.0		2.0
97KC222	2.0	76.0	75.0		1.1	<10	<1	0.6	<10	0.1	200.0	4.0	0.0	3.0	280.0	44.0	359	2.0
97KC225	<1	156.0	349.0		1.8	10.0	<1	0.6	<10	0.1	1585.0	3.0	<0.01	2.0	80.0	58.0	292	2.0
97KC227	3.0	21.0	771.0		6.0	10.0	<1	0.0	<10	0.1	635.0	<1	0.0	<1	320.0	<2	6	<2
97KC228	6.0	59.0	63.0		2.6	<10	<1	0.4	10.0	0.5	1570.0	1.0	0.0	7.0	880.0	54.0	123	18.0
97KC229	3.0	69.0	43.0		1.2	<10	<1	0.2	10.0	0.0	640.0	1.0	<0.01	3.0	80.0	462.0	127	40.0
97KC230	7.0	33.0	98.0		2.4	<10	<1	0.2	10.0	0.1	2500.0	1.0	0.0	20.0	340.0	186.0	170	20.0
97KC236	91.0	174.0	2870.0		11.8	10.0	<1	<0.01	<10	3.0	510.0	<1	<0.01	132.0	230.0	<2	9	18.0
97KC251	2.0	165.0	40.0		4.2	<10	<1	0.0	<10	0.0	745.0	<1	<0.01	7.0	130.0	4.0		<2
97KC256B	3.0	240.0	29.0		2.1	<10	<1	0.1	<10	0.3	1090.0	3.0	<0.01	13.0	70.0	8.0		<2
97KC 260	10.0	22.0	60.0		4.9	10.0	<1	0.0	10.0	1.4	1340.0	<1	0.0	7.0	940.0	6.0		<2
97KC 262	11.0	96.0	8.0		3.8	10.0	<1	0.6	10.0	1.7	750.0	<1	0.2	16.0	1140.0	2.0		<2
97KC263	<1	49.0	20.0		0.4	<10	<1	0.3	10.0	0.0	20.0	<1	<0.01	1.0	40.0	38.0		12.0
97KC264	1.0	140.0	11.0		8.4	<10	<1	<0.01	<10	0.0	65.0	1.0	<0.01	8.0	90.0	<2		<2
97KC265	3.0	102.0	4.0		1.7	<10	<1	0.3	20.0	0.1	1035.0	1.0	0.1	11.0	370.0	2.0		2.0
97KC270	10.0	105.0	12.0		2.8	<10	<1	0.3	10.0	1.2	1575.0	1.0	0.1	13.0	750.0	12.0		2.0
97KC276A	1.0	43.0	4.0		1.6	<10	<1	0.2	40.0	0.0	225.0	2.0	0.1	<1	220.0	20.0		<2
97KC276B	44.0	120.0	3650.0		11.4	10.0	<1	0.4	<10	2.0	575.0	<1	0.0	122.0	460.0	6.0	13	2.0
97KC279	49.0	58.0	3180.0		>15.00	<10	<1	0.0	<10	<0.01	20.0	<1	0.3	6.0	<10	300.0	2	310.0
97KC282	8.0	206.0	2110.0		5.3	<10	5.0	0.2	<10	0.6	785.0	<1	0.0	23.0	700.0	2430.0	6	1845.0
97KC284B	38.0	75.0	1685.0		11.6	10.0	<1	0.3	<10	1.8	320.0	<1	0.1	84.0	1720.0	4.0	52	<2
97KC294	14.0	32.0	38.0		3.9	<10	<1	0.3	10.0	1.6	830.0	1.0	0.1	43.0	1580.0	14.0		6.0
97KC295	35.0	425.0	236.0		5.9	<10	<1	0.1	<10	4.8	1080.0	<1	0.1	267.0	260.0	<2		<2
97KC300	228.0	122.0	5650.0		>15.00	<10	<1	<0.01	<10	1.1	240.0	<1	0.0	74.0	270.0	10.0	2	6.0
97KC303	18.0	79.0	53.0		4.9	<10	<1	0.3	10.0	2.0	1015.0	1.0	0.1	13.0	1440.0	10.0		<2

Sample ID	Sc ppm ICP-AES 1 10000	Sn ppm XRF	Sr ppm ICP-AES 1 10000	Te ppm AAS 0.1 1000	Ti % ICP-AES 0.01 5	Ti ppm ICP-AES 10 10000	U ppm ICP-AES 10 10000	V ppm ICP-AES 1 10000	W ppm ICP-AES 10 10000	W ppm XRF	Zn ppm ICP-AES 2 10000	Zn % AAS 0 100	Field description
97HA051C	6.0		3.0		<0.1	<10	<10	15.0	<10		34.0		brecciated margin to dike, Broad Pass
97HA 067	6.0		10.0		0.1	<10	<10	40.0	<10		44.0		massive grn sil mudstone or tuff?
97KC207	4.0		45.0		<0.1	<10	<10	10.0	<10		18.0		Ca-Si altered serpentinite
97KC208	10.0		27.0		0.3	<10	<10	181.0	<10		118.0		gabbro
97KC213	4.0		89.0		<0.1	<10	<10	27.0	<10		8.0		lithic tuff/congl w/red chert, GX:qtz vein
97KC214	24.0		56.0		0.0	<10	<10	158.0	<10		70.0		dk grey brecciated tuff w/calcite veining
97KC215	21.0		46.0		0.1	<10	<10	212.0	<10		30.0		malachite and cpy in grnstone
97KC 216	12.0		48.0		0.2	<10	<10	149.0	<10		42.0		greenstone
97KC 220	9.0		74.0		0.3	<10	<10	181.0	<10		152.0		andesite/basalt w/trace cpy
97KC220	17.0		156.0		0.1	<10	<10	262.0	<10		180.0		andesite/basalt w/trace cpy
97KC221	5.0		257.0		0.2	<10	<10	66.0	<10		80.0		very alt'd lamp. dike
97KC222	<1	165	12.0	<0.1	<0.1	<10	<10	4.0	50.0	90	214.0		greisen
97KC225	<1	2253	15.0		<0.1	<10	<10	4.0	<10	9	232.0		greisen
97KC227	1.0	500	8.0		<0.1	<10	10.0	9.0	<10	<5	5870.0		v alt'd granite
97KC228	2.0	24	9.0		0.0	<10	<10	19.0	<10	6	238.0		limonite hfls
97KC229	<1	53	3.0		<0.1	<10	<10	<1	<10	5	474.0	5.8	limonitic aspy-bearing fg intrusive
97KC230	<1	69	18.0		<0.1	<10	<10	3.0	<10	4	1400.0	1.5	alt'd fg intrusive w/asy, sph, limonite
97KC236	7.0	24	3.0	2.2	<0.1	<10	<10	64.0	<10	<5	94.0		blk fg siltstone/arg
97KC251	<1		1.0		<0.1	<10	<10	29.0	<10		20.0		asy-py bearing alt'd dike
97KC256B	1.0		23.0		<0.1	<10	<10	7.0	<10		18.0	3.0	dk-lt grey grn radiolarian chert, limonite stain
97KC 260	17.0		18.0		0.4	<10	<10	106.0	<10		102.0		volcaniclastic
97KC 262	7.0		124.0		0.2	<10	<10	92.0	<10		74.0		hbl bt monzodiorite porphyry
97KC263	<1		16.0		<0.1	<10	<10	<1	<10		16.0		pyritic white sugary alt'd tuff?
97KC264	<1		1.0		<0.1	<10	<10	19.0	<10		10.0		brecciated, Mn-rich ultramafic?, float
97KC265	<1		32.0		<0.1	<10	<10	3.0	<10		54.0		alt'd dike w/trace aspy
97KC270	4.0		129.0		<0.1	<10	<10	38.0	<10		76.0		tan alt'd dike, trace aspy
97KC276A	<1		212.0		<0.1	<10	<10	<1	<10		90.0		dacite? porphyry
97KC276B	19.0	3	105.0		0.2	<10	<10	221.0	<10	<5	252.0		dacite? porphyry
97KC279	<1	81	23.0	1.2	<0.1	<10	10.0	10.0	<10	<5	106.0		asy vein adjacent to bt qtz diorite?
97KC282	5.0	111	64.0	<0.1	<0.1	<10	<10	23.0	<10	11	7740.0		qtz sulfide veinlets in qtz dior
97KC284B	16.0	58	34.0	<0.1	0.4	<10	<10	164.0	<10	11	44.0		hfls w/cpy
97KC294	6.0		618.0		<0.1	<10	<10	22.0	<10		116.0		tuff??
97KC295	20.0		134.0		<0.1	<10	<10	131.0	<10		42.0		blk slate
97KC300	5.0	14	12.0	4.0	0.2	<10	<10	59.0	<10	<2	108.0		gossanous rock w/py and cpy
97KC303	9.0		418.0		<0.1	<10	<10	70.0	<10		110.0		dk red/orange alt'd felsic dike

Sample ID	Latitude	Longitude	ELEMENT	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca	Cd
			UNITS	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm
			METHOD	FA-AAS	FA-GRAV	FA-GRAV	CP-AES	FA-GRAV	FA-GRAV	ICP-AES	ICP-AES	XRF	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01	0.5
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00	100
97KC313	63.18040	-149.71857		<5		---	<0.2				1.2	12.0	210.0	<0.5	<2		2.5	<0.5
97KC319	63.12487	-149.56689		<5			0.2				2.5	4.0	50.0	<0.5	<2		6.3	<0.5
97KC323	63.20320	-149.60683		<5			1.0				1.1	22.0	180.0	<0.5	<2		0.1	<0.5
97KC324	63.20318	-149.60683		<5			4.8				0.6	26.0	40.0	0.5	<2		0.0	1.0
97KC332A	63.04558	-149.57529		<5			0.2				2.1	26.0	90.0	<0.5	<2		7.8	<5
97KC332B	63.04555	-149.57529		<5			0.6				0.8	6.0	120.0	<0.5	<2		5.4	<0.5
97KC338	63.12038	-149.79593		50			<0.2				0.6	70.0	<10	<0.5	<2		0.0	<0.5
97KC339	63.08897	-149.93089		370			0.6				1.4	234.0	330.0	<0.5	<2	0.5	3.7	<0.5
97KC348	63.03357	-149.46794		<5			0.2				2.5	8.0	80.0	3.0	<2		1.3	<0.5
97KC349	63.02810	-149.44637		<5			0.2				1.1	10.0	50.0	1.5	<2		0.1	0.5
97KC350	63.02812	-149.44646		<5			0.8				0.6	8.0	20.0	<0.5	<2		<0.1	<0.5
97KC351	63.02812	-149.44640		<5			0.6				0.4	28.0	30.0	<0.5	<2		0.0	<0.5
97KC354	63.04435	-149.92348		<5			2.0				3.1	<2	<10	<0.5	10.0		0.1	<0.5
97KC355	63.02812	-149.44637		<5			0.2				0.7	28.0	50.0	<0.5	<2		0.0	<0.5
97RN 300A	63.16986	-149.67464					<0.2				2.8	2.0	50.0	<0.5	<2		1.4	<0.5
97RN303	63.17401	-149.67660		<5	---		<0.2				0.1	14.0	<10	<0.5	<2		0.9	2.0
97RN 304	63.17215	-149.68086					<0.2				2.3	6.0	90.0	<0.5	<2		7.2	<0.5
97RN 307	63.18203	-149.65910					<0.2				2.9	<2	170.0	<0.5	<2		2.5	<0.5
97RN312	63.15943	-149.68709		<5	---		<0.2				0.4	6.0	80.0	0.5	<2		0.3	<0.5
97RN 317A	63.15733	-149.77875					<0.2				2.5	2.0	40.0	0.5	<2		2.4	<0.5
97RN317A	63.15733	-149.77875		<5	---		<0.2				2.8	6.0	90.0	<5	<2		10.5	0.5
97RN325A	63.07137	-149.82884		60	---		7.6				1.3	1085.0	20.0	1.5	62.0		3.2	>100.0
97RN325C	63.07137	-149.82884		30	---		41.8				0.6	6410.0	30.0	0.5	18.0		0.1	>100.0
97RN325D	62.99428	-149.85822		<5			<0.2				0.7	124.0	10.0	<0.5	6.0		0.0	<0.5
97RN326A	62.99254	-149.86146		10	---		13.4				1.6	752.0	170.0	1.5	32.0		0.3	39.0
97RN326C	62.99254	-149.86146		20	---		29.4				1.9	2910.0	40.0	67.0	26.0		0.3	71.0
97RN327A	63.18178	-149.91769		<5	---		6.0				0.6	24.0	<10	0.5	8.0		0.0	>100.0
97RN327B	63.18178	-149.91769		<5	---		1.4				0.5	100.0	<10	0.5	2.0		0.0	5.5
97RN327C	63.18178	-149.91769		<5	---		1.0				0.3	14.0	<10	4.0	2.0		0.1	19.5
97RN327D	63.18178	-149.91769		<5	---		73.6				0.4	2920.0	<10	0.5	8.0		0.1	8.5
97RN327E	63.18178	-149.91769		<5	---		29.2				0.8	502.0	<10	1.0	4.0		0.1	5.0
97RN328A	63.21082	-149.57376		<5	---		3.8				1.1	46.0	120.0	0.5	<2		0.2	11.0
97RN329A	63.21216	-149.57225		<5	---		8.6				0.2	24.0	20.0	<0.5	2.0		<0.1	3.0
97RN330B	63.25814	-149.55299		<5	---		0.2				1.7	14.0	<10	<0.5	<2		6.3	1.0
97RN330C	63.25814	-149.55299		20	---		0.4				1.0	862.0	<10	<0.5	<2		8.5	1.5

Sample ID	Co	Cr	Cu	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	Sb
	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES
	1	1	1	0	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2
	10000	10000	10000	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000
97KC313	8.0	75.0	17.0		2.1	<10	<1	0.3	20.0	0.3	395.0	<1	0.1	25.0	900.0	26.0		2.0
97KC319	15.0	144.0	75.0		3.7	<10	<1	0.1	10.0	2.1	995.0	<1	0.1	47.0	1140.0	4.0		<2
97KC323	<1	53.0	57.0		7.9	<10	<1	0.3	10.0	0.2	20.0	1.0	0.0	3.0	250.0	42.0		10.0
97KC324	<1	71.0	10.0		1.2	<10	<1	0.3	<10	0.0	70.0	<1	0.1	3.0	10.0	148.0	105	138.0
97KC332A	29.0	33.0	109.0		5.8	<10	<1	0.1	10.0	2.2	1050.0	1.0	0.1	26.0	1090.0	4.0		6.0
97KC332B	6.0	98.0	80.0		2.9	<10	<1	0.2	<10	0.5	510.0	17.0	0.0	47.0	270.0	8.0		4.0
97KC338	<1	134.0	3.0		0.7	<10	<1	0.3	10.0	0.0	45.0	<1	0.1	2.0	<10	8.0		<2
97KC339	10.0	64.0	57.0		3.7	<10	<1	0.5	10.0	1.6	685.0	1.0	0.0	35.0	1280.0	2.0	81	6.0
97KC348	<1	68.0	8.0		1.6	<10	<1	0.9	40.0	0.2	205.0	<1	0.1	1.0	260.0	10.0	192	<2
97KC349	2.0	161.0	18.0		1.9	<10	<1	0.3	40.0	0.1	270.0	1.0	0.1	4.0	310.0	8.0	184	<2
97KC350	<1	142.0	22.0		0.8	<10	<1	0.2	10.0	0.0	115.0	3.0	0.1	1.0	60.0	38.0		<2
97KC351	<1	152.0	11.0		1.6	<10	<1	0.2	10.0	0.0	20.0	<1	0.1	2.0	100.0	14.0		<2
97KC354	37.0	191.0	2960.0		6.8	<10	<1	<0.1	<10	2.6	1120.0	19.0	0.0	47.0	90.0	<2	1	<2
97KC355	1.0	111.0	17.0		1.6	<10	<1	0.2	40.0	0.1	75.0	<1	0.1	1.0	220.0	14.0		<2
97RN 300A	16.0	102.0	62.0		3.7	10.0	<1	0.1	<10	2.1	1210.0	<1	<0.1	29.0	330.0	2.0		<2
97RN303	60.0	387.0	1.0		3.4	<10	<1	<0.1	<10	11.1	535.0	<1	<0.1	1035.0	10.0	<2		<2
97RN 304	27.0	305.0	43.0		4.1	<10	<1	0.1	10.0	3.7	945.0	<1	0.0	92.0	1090.0	2.0		<2
97RN 307	10.0	52.0	36.0		3.6	<10	<1	0.2	<10	1.5	1065.0	<1	0.1	13.0	420.0	4.0		<2
97RN312	1.0	93.0	1.0		1.1	<10	<1	0.2	20.0	0.0	440.0	<1	0.1	4.0	150.0	20.0		<2
97RN 317A	19.0	165.0	2.0		4.2	10.0	<1	0.1	10.0	1.4	575.0	<1	0.1	43.0	870.0	<2		2.0
97RN317A	17.0	88.0	182.0		2.4	10.0	<1	0.1	10.0	2.1	1245.0	<1	0.0	35.0	580.0	<2		<2
97RN325A	10.0	52.0	1630.0		>15.00	10.0	<1	0.1	10.0	0.9	1340.0	8.0	0.2	37.0	200.0	2.0	2	6.0
97RN325C	<1	181.0	3100.0		2.2	<10	<1	0.3	<10	0.0	650.0	1.0	<0.1	3.0	180.0	20.0	146	8.0
97RN325D	<1	151.0	17.0		0.9	<10	<1	0.3	<10	0.0	155.0	1.0	0.1	2.0	260.0	2.0		<2
97RN326A	<1	175.0	413.0		2.2	10.0	<1	0.9	<10	0.0	2460.0	4.0	0.0	1.0	150.0	118.0	467	<2
97RN326C	<1	137.0	1440.0		2.7	30.0	<1	1.2	<10	0.0	6100.0	11.0	0.0	1.0	270.0	152.0	681	4.0
97RN327A	2.0	58.0	983.0		5.5	<10	<1	0.0	<10	0.0	280.0	1.0	0.1	<1	80.0	20.0	7	6.0
97RN327B	1.0	184.0	13.0		1.3	<10	1.0	0.2	<10	<0.1	130.0	18.0	0.0	3.0	30.0	2.0	89	<2
97RN327C	1.0	86.0	432.0		1.3	<10	<1	0.0	<10	<0.1	700.0	1.0	0.1	1.0	270.0	2.0	11	<2
97RN327D	<1	102.0	604.0		0.6	<10	<1	0.3	<10	<0.1	250.0	1.0	0.0	1.0	260.0	692.0	629	4.0
97RN327E	<1	107.0	130.0		0.5	<10	<1	0.4	<10	<0.1	885.0	<1	0.1	1.0	280.0	224.0	749	<2
97RN328A	5.0	56.0	49.0		1.8	<10	<1	0.4	10.0	0.2	2320.0	1.0	<0.1	21.0	430.0	94.0	160	8.0
97RN329A	<1	31.0	28.0		0.6	<10	<1	0.1	<10	<0.1	870.0	<1	<0.1	1.0	50.0	240.0	94	18.0
97RN330B	5.0	42.0	110.0		4.5	<10	<1	0.0	<10	0.8	1000.0	<1	0.0	17.0	730.0	2.0		<2
97RN330C	8.0	44.0	463.0		7.0	<10	<1	0.0	<10	0.3	835.0	1.0	<0.1	13.0	150.0	2.0		<2

Sample ID	Sc	Sn	Sr	Te	Ti	Ti	U	V	W	W	Zn	Zn	Field description
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	XRF	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES	AAS	
	1		1	0.1	0.01	10	10	1	10		2	0	
	10000		10000	1000	5	10000	10000	10000	10000		10000	100	
97KC313	5.0		71.0		<0.1	<10	<10	12.0	<10		58.0		mg limonite/hem stained alt'd felsic dike
97KC319	4.0		397.0		<0.1	<10	<10	58.0	<10		84.0	1.9	alt'd gabbro? and blk slaty arg
97KC323	3.0		13.0		<0.1	<10	<10	79.0	<10		30.0		gnarly arg and greenstone, qtz-py-aspy? veins
97KC324	<1	28	5.0		<0.1	<10	<10	<1	<10	4	152.0		pyritic felsic dike
97KC332A	15.0		303.0		<0.1	<10	<10	177.0	<10		78.0		lt tan wx fg mafic dike w/dissem py
97KC332B	4.0		242.0		<0.1	<10	<10	35.0	<10		88.0		orange limonite stain, trace Sb?
97KC338	<1		3.0		<0.1	<10	<10	1.0	<10		12.0		pyritic felsic dike
97KC339	7.0	11	327.0	<0.1	<0.1	<10	<10	21.0	<10	6	54.0		tan pyritic qtz porph dike
97KC348	4.0	27	24.0		<0.1	<10	<10	7.0	<10	10	62.0	1.7	
97KC349	3.0	17	11.0		<0.1	<10	<10	5.0	<10	19	132.0		very Fe-stained pyritic cg bt granite
97KC350	<1		3.0		<0.1	<10	<10	<1	<10		20.0		grey-grn pyritic aplite
97KC351	<1		5.0		<0.1	<10	<10	1.0	<10		10.0		pyritic grey-white aplite
97KC354	10.0	3	1.0		0.1	<10	<10	69.0	<10	<2	214.0		Fe-stained pyritic zone in Dt
97KC355	1.0		11.0		<0.1	<10	<10	5.0	<10		24.0		limonitic granite
97RN 300A	10.0		66.0		0.2	<10	<10	86.0	<10		56.0		massive grnstone
97RN303	5.0		26.0		<0.1	<10	<10	8.0	<10		18.0		serpentinite
97RN 304	21.0		100.0		0.0	<10	<10	132.0	<10		38.0		serpentinite
97RN 307	7.0		35.0		0.0	<10	<10	38.0	<10		60.0		
97RN312	<1		38.0		<0.1	<10	<10	<1	<10		46.0		bt qtz porphyry dike-rhy?
97RN 317A	23.0		63.0		<0.1	<10	<10	200.0	<10		22.0		Cu-stained congl
97RN317A	13.0		116.0		<0.1	<10	<10	101.0	<10		40.0		Cu-stained congl
97RN325A	2.0	560	21.0		0.1	<10	<10	35.0	<10	<5	>10000		skarn
97RN325C	<1	8484	11.0		<0.1	<10	10.0	<1	<10	<5	>10000		greisen
97RN325D	<1		4.0		<0.1	<10	10.0	<1	<10		12.0		granite
97RN326A	<1	2297	15.0		<0.1	<10	<10	<1	<10	6	3470.0		greisen
97RN326C	1.0	3151	11.0		<0.1	<10	<10	<1	<10	<5	8500.0		
97RN327A	1.0	16	3.0		<0.1	<10	10.0	10.0	<10	<5	>10000		spl-rich greisen
97RN327B	<1	45	1.0		<0.1	<10	10.0	<1	<10	9	426.0		tour-qtz-musc greisen
97RN327C	2.0	26	7.0		<0.1	<10	10.0	3.0	<10	4	442.0		spl-bearing greisen
97RN327D	<1	1495	5.0		<0.1	<10	10.0	<1	120.0	120	158.0		aspy-rich musc greisen
97RN327E	<1	693	3.0		<0.1	<10	10.0	<1	60.0	44	92.0		musc-rich greisen
97RN328A	1.0	33	9.0		<0.1	<10	<10	12.0	<10	3	578.0		alt'd Tgr
97RN329A	<1	62	3.0		<0.1	<10	<10	<1	<10	7	228.0		tour breccia
97RN330B	5.0		20.0		0.1	<10	<10	46.0	<10		60.0		tuff w/pale garnet (gross?) veinlets
97RN330C	3.0		26.0		0.0	<10	<10	31.0	<10		32.0		skarn

			ELEMENT	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca	Cd	
			UNITS	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
			METHOD	FA-AAS	FA-GRAV	FA-GRAV	CP-AES	FA-GRAV	FA-GRAV	ICP-AES	ICP-AES	XRF	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES	
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01	0.5	
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00	100	
Sample ID	Latitude	Longitude																	
97RN330D	63.25814	-149.55299	<5	---			0.8				1.9	260.0		<10	<0.5	<2		3.8	1.0
97RN330E	63.25814	-149.55299	265	---			1.8				0.5	>10000	5.1	10.0	<0.5	10.0	14.0	0.4	16.5
97RN331A	63.25814	-149.55299	470	---			1.2				0.7	88.0		<10	<0.5	22.0	21.0	2.3	1.5
97RN331B	63.25814	-149.55299	50	---			<0.2				1.4	28.0		20.0	<0.5	<2		8.6	1.0
97RN332B	63.18099	-149.91818	>10000	2			6.0				1.2	>10000	6.0	10.0	<0.5	3390.0	1000	4.0	21.0
97RN332C	63.18099	-149.91818	2630	---			1.0				1.2	>10000	6.7	10.0	<0.5	168.0	144.0	6.8	29.0
97RN337A	63.21326	-149.65211	>10000	3			83.4				0.3	>10000	19.4	10.0	<0.5	426.0	<0.1	<0.01	>100.0
97RN338	63.21418	-149.64486	9120	---			>100.0		331.0		0.1	>10000	28.5	<10	<0.5	Intf*	198.0	<0.01	>100.0
97RN339A	63.21483	-149.64616	820	---			4.4				0.9	3060.0		10.0	<0.5	4.0	10.0	1.5	1.5
97RN347A	63.18630	-149.92333	10	---			10.6				0.8	3710.0		20.0	1.0	12.0		0.1	8.5
97RN347B	63.18630	-149.92333	20	---			2.8				0.7	86.0		10.0	0.5	8.0		0.0	15.0
97RN347C	63.18630	-149.92333	25	---			1.4				2.8	68.0		60.0	5.0	4.0		0.4	>100.0
97RN348A	63.18445	-149.92124	10	---			2.2				0.4	38.0		<10	4.0	2.0		0.2	>100.0
97RN348B	63.18445	-149.92124	5	---			7.4				0.6	220.0		<10	5.0	<2		0.0	20.5
97RN362C	63.22249	-149.57361	980	---			>100.0		138.0		0.1	>10000	20.7	<10	<0.5	98.0		<0.01	>100.0
97RN365A	63.22119	-149.56268	10	---			0.2				2.6	294.0		80.0	0.5	<2		2.6	1.0
97RN366A	63.22009	-149.55915	<5	---			0.4				0.4	82.0		120.0	<0.5	<2		0.3	1.5
97RN379B	63.21380	-149.64942	6160	---			83.6				0.1	152.0		<10	<0.5	Intf*		0.4	26.5
97RN404	63.13096	-149.76120	10	---			1.0				2.1	24.0		30.0	<0.5	<2		0.9	1.0
97RN408A	63.16638	-149.78765	1170	---			2.6				4.8	56.0		30.0	<0.5	<2	<0.1	3.0	0.5
97RN415B	63.22092	-149.58443	15	---			0.4				1.3	104.0		90.0	<0.5	<2		0.1	<0.5
97RN429	63.13283	-149.76450	80	---			1.2				1.0	62.0		20.0	<0.5	<2		0.0	<0.5
97RN430A	63.13356	-149.76068	<5	---			<0.2				0.9	24.0		80.0	<0.5	<2		8.8	1.0
97RN443	63.10295	-149.95889	15	---			0.2				2.2	24.0		70.0	<0.5	<2		0.5	<0.5
97RN444A	63.10236	-149.96084	<5	---			0.2				0.7	6.0		60.0	<0.5	<2		0.0	<0.5
97RN444B	63.10236	-149.96084	<5	---			12.0				0.7	<2		30.0	<0.5	6.0		0.0	<0.5
97RN461A	63.20061	-149.58441	<5	---			0.6				3.2	16.0		140.0	<0.5	<2		0.7	<0.5
97RN462B	63.20212	-149.58389	<5	---			0.2				3.5	2.0		310.0	<0.5	<2		3.2	<0.5
97RN463B	63.20070	-149.57851	<5	---			0.6				3.1	4.0		150.0	<0.5	<2		0.7	<0.5
97RN464D	63.20082	-149.57226	<5	---			0.6				1.9	2.0		70.0	<0.5	<2		0.4	<0.5
97RN466A	63.21076	-149.56936	55	---			16.6				3.1	410.0		80.0	<0.5	8.0		0.1	3.5
97RN495C	63.11967	-149.86419	<5	---			<0.2				2.2	<2		90.0	<0.5	<2		2.4	<0.5
97RN504A	63.02982	-149.44828	<5	---			1.2				0.4	54.0		<10	<0.5	<2		<0.01	<0.5
97RN506A	63.03015	-149.45372	2360	---			67.4				0.0	>10000	28.1	10.0	<0.5	744.0	<0.1	0.0	1.5
97RN508A	63.01636	-149.49223	<5	---			0.4				0.3	284.0		<10	0.5	<2		0.0	<0.5

	Co ppm	Cr ppm	Cu ppm	Cu %	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Rb ppm	Sb ppm
	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES
	1	1	1	0	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2
	10000	10000	10000	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000
Sample ID																		
97RN330D	6.0	57.0	869.0		10.1	10.0	<1	0.1	<10	1.2	970.0	1.0	0.0	37.0	<10	<2		2.0
97RN330E	77.0	39.0	971.0		>15.00	10.0	<1	0.1	<10	0.2	180.0	2.0	<0.1	29.0	<10	<2	114	20.0
97RN331A	23.0	30.0	1180.0		10.9	<10	<1	<0.1	<10	0.3	645.0	1.0	<0.1	291.0	1250.0	14.0	7	4.0
97RN331B	4.0	35.0	101.0		5.2	10.0	<1	0.0	<10	0.4	1115.0	<1	<0.1	35.0	620.0	6.0		2.0
97RN332B	68.0	46.0	571.0		11.3	10.0	<1	0.0	<10	0.3	740.0	5.0	<0.1	20.0	80.0	<2	78	16.0
97RN332C	155.0	50.0	328.0		11.1	10.0	<1	0.0	<10	0.1	950.0	4.0	<0.1	7.0	<10	<2	39	14.0
97RN337A	46.0	26.0	2260.0		>15.00	10.0	<1	0.1	<10	0.0	10.0	9.0	<0.1	20.0	80.0	224.0	37	232.0
97RN338	<1	32.0	>10000	1.2	>15.00	10.0	<1	0.0	<10	<0.1	45.0	3.0	<0.1	31.0	Intf*	3530.0	<10	1875.0
97RN339A	21.0	126.0	1125.0		4.8	<10	<1	0.1	10.0	0.6	490.0	81.0	<0.1	10.0	470.0	30.0	8	18.0
97RN347A	<1	232.0	373.0		0.8	<10	<1	0.5	<10	0.0	55.0	<1	<0.1	3.0	480.0	114.0	264	<2
97RN347B	1.0	234.0	9.0		1.6	<10	<1	0.3	<10	0.0	250.0	1.0	0.0	6.0	50.0	6.0	114	<2
97RN347C	5.0	160.0	197.0		8.1	30.0	<1	0.4	10.0	0.6	2380.0	2.0	<0.1	43.0	1190.0	8.0	280	2.0
97RN348A	1.0	55.0	294.0		2.2	<10	<1	0.0	<10	0.1	555.0	<1	0.1	1.0	300.0	6.0	12	2.0
97RN348B	<1	96.0	154.0		2.1	<10	1.0	0.2	<10	0.0	445.0	<1	0.0	3.0	80.0	24.0	150	<2
97RN362C	4.0	38.0	1015.0		>15.00	10.0	<1	0.0	<10	<0.1	145.0	3.0	<0.1	13.0	<10	4220.0	<10	702.0
97RN365A	15.0	130.0	27.0		3.6	10.0	<1	0.2	10.0	2.5	785.0	<1	0.0	45.0	1150.0	10.0		6.0
97RN366A	<1	86.0	6.0		1.0	<10	<1	0.2	10.0	0.0	210.0	1.0	0.1	3.0	40.0	44.0		8.0
97RN379B	<1	31.0	>10000	10.2	4.0	<10	5.0	0.0	<10	0.2	40.0	<1	<0.1	8.0	Intf*	2.0		7580.0
97RN404	21.0	127.0	5290.0		7.5	10.0	<1	0.0	10.0	1.0	3150.0	<1	<0.1	25.0	310.0	12.0		42.0
97RN408A	89.0	69.0	1470.0		11.6	10.0	1.0	0.0	10.0	0.2	110.0	5.0	0.2	76.0	990.0	2.0	4	40.0
97RN415B	5.0	172.0	73.0		4.6	<10	<1	0.4	<10	0.6	295.0	1.0	<0.1	12.0	430.0	6.0		4.0
97RN429	15.0	232.0	108.0		6.0	<10	<1	<0.1	<10	0.4	455.0	2.0	<0.1	20.0	170.0	68.0		16.0
97RN430A	6.0	44.0	44.0		3.3	<10	1.0	0.3	<10	1.0	1230.0	<1	<0.1	21.0	270.0	<2		<2
97RN443	40.0	173.0	241.0		5.1	<10	<1	0.1	10.0	1.2	290.0	2.0	0.1	77.0	780.0	28.0		2.0
97RN444A	10.0	269.0	22.0		3.7	<10	<1	0.2	<10	0.2	45.0	<1	0.1	32.0	240.0	138.0		<2
97RN444B	5.0	291.0	4510.0		1.9	<10	<1	0.1	<10	0.3	100.0	<1	0.0	18.0	140.0	18.0	7	<2
97RN461A	20.0	81.0	88.0		3.6	<10	<1	1.4	<10	1.2	640.0	<1	0.3	32.0	610.0	24.0		<2
97RN462B	13.0	144.0	28.0		4.1	<10	<1	0.9	10.0	2.6	780.0	1.0	0.1	11.0	1750.0	10.0		<2
97RN463B	8.0	36.0	56.0		3.4	<10	<1	1.0	<10	1.0	450.0	3.0	0.3	9.0	510.0	4.0		2.0
97RN464D	7.0	73.0	58.0		3.5	<10	<1	0.3	<10	0.9	490.0	<1	0.1	9.0	770.0	14.0		<2
97RN466A	8.0	92.0	227.0		5.6	<10	<1	0.5	10.0	1.3	1230.0	2.0	0.0	18.0	680.0	934.0	97	12.0
97RN495C	15.0	211.0	22.0		3.3	<10	<1	0.1	10.0	2.3	720.0	1.0	0.1	26.0	1090.0	6.0		<2
97RN504A	<1	125.0	62.0		0.9	<10	<1	0.1	<10	0.1	60.0	<1	0.0	1.0	20.0	8.0		<2
97RN506A	69.0	<1	7970.0		>15.00	<10	<1	0.0	<10	<0.1	25.0	<1	0.3	<1	<10	24.0	26	464.0
97RN508A	<1	141.0	13.0		0.8	<10	<1	0.1	<10	0.0	30.0	<1	0.0	1.0	10.0	10.0	202	<2

Sample ID	Sc ppm ICP-AES 1 10000	Sn ppm XRF 1 10000	Sr ppm ICP-AES 1 10000	Te ppm AAS 0.1 1000	Ti % ICP-AES 0.01 5	Ti ppm ICP-AES 10 10000	U ppm ICP-AES 10 10000	V ppm ICP-AES 1 10000	W ppm ICP-AES 10 10000	W ppm XRF 10 10000	Zn ppm ICP-AES 2 10000	Zn % AAS 0 100	Field description
97RN330D	4.0		36.0		0.1	<10	<10	70.0	<10		58.0		po-rich dk cpx skarn
97RN330E	6.0	14	8.0	5.4	0.0	<10	<10	41.0	<10	<2	34.0		aspy-rich rock
97RN331A	2.0	15	5.0	1.6	0.0	<10	<10	14.0	<10	<5	52.0		skarn, oxidized
97RN331B	1.0		25.0		0.0	<10	<10	25.0	<10		38.0		gt-py?-pyx alt'd volcanic
97RN332B	3.0	37	6.0	76.0	0.0	<10	<10	37.0	<10	5	42.0		po-rich gt cpx skarn
97RN332C	2.0	49	11.0	18.0	0.0	<10	<10	28.0	<10	10	30.0		cg gt, pyx, qtz, po-rich skarn
97RN337A	1.0	38	1.0	48.0	<0.1	<10	<10	7.0	<10	1	72.0		oxidized sulfide breccia
97RN338	<1	176	1.0	<0.1	<0.1	<10	<10	6.0	<10	<5	>10000		vein, py, aspy, spl
97RN339A	4.0	13	14.0	1.0	<0.1	<10	<10	27.0	<10	5	98.0		dike w/Qtz
97RN347A	<1	233	7.0		<0.1	<10	10.0	<1	<10	9	146.0		aspy, Qtz vein w/musc greisen margin
97RN347B	<1	51	1.0		<0.1	<10	10.0	<1	<10	6	514.0		Qtz vein
97RN347C	14.0	874	8.0		0.0	<10	<10	65.0	<10	2	3640.0		greisen vein
97RN348A	1.0	232	10.0		<0.1	<10	10.0	3.0	<10	<5	6320.0		greisen
97RN348B	<1	32	1.0		<0.1	<10	10.0	1.0	<10	7	754.0		tour-replaced granite
97RN362C	<1	53	12.0		<0.1	<10	<10	5.0	<10	<5	>10000		aspy vein
97RN365A	7.0		119.0		0.1	<10	<10	76.0	<10		136.0		alt'd dike, plagiophen
97RN366A	<1		30.0		<0.1	<10	<10	<1	<10		112.0		dike
97RN379B	<1		29.0		<0.1	<10	<10	1.0	<10		1625.0		fresh monzodiorite
97RN404	3.0		15.0		0.0	<10	<10	75.0	<10		68.0		red chert, volcanogenic?
97RN408A	2.0	<1	237.0	1.5	0.1	<10	<10	31.0	<10	<2	46.0		hornfels
97RN415B	3.0		8.0		0.0	<10	<10	51.0	<10		20.0		hornfelsed tuff
97RN429	2.0		6.0		<0.1	<10	<10	63.0	<10		40.0		bedded chert and tuff
97RN430A	5.0		75.0		<0.1	<10	<10	84.0	<10		18.0		alt'd chert and tuff
97RN443	9.0		12.0		<0.1	<10	<10	384.0	<10		84.0		hornfels w/dissemin po and cp
97RN444A	3.0		5.0		<0.1	<10	<10	43.0	<10		120.0		sulfides dissemin. in alt'd wacke
97RN444B	2.0	18	3.0		<0.1	<10	<10	39.0	<10	1	28.0		conglomerate
97RN461A	14.0		49.0		0.2	<10	<10	123.0	<10		140.0		massive, fg, purplish-grey hfls arg?
97RN462B	15.0		164.0		0.1	<10	<10	129.0	<10		104.0		gnarly argillite
97RN463B	8.0		64.0		0.1	<10	<10	76.0	<10		70.0		hfls arg
97RN464D	5.0		19.0		0.1	<10	<10	57.0	<10		76.0		Fe-stained hfls surrounding dike
97RN466A	5.0	58	13.0		0.0	<10	<10	65.0	<10	12	360.0		hfls arg w/sulfides
97RN495C	7.0		79.0		0.2	<10	<10	77.0	<10		68.0		bt-bearing gabbro??
97RN504A	<1		1.0		<0.1	<10	<10	<1	<10		30.0		HeaA-5, fg equigran aplitic granite w/musc greisen
97RN506A	1.0	102	3.0	3.8	<0.1	<10	30.0	9.0	<10	<5	64.0		aspy and py vein
97RN508A	<1	24	1.0		<0.1	<10	<10	<1	<10	6	20.0		HeaA-5, dike, diabase??

Sample ID	Latitude	Longitude	ELEMENT	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca	Cd
			UNITS	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm
			METHOD	FA-AAS	FA-GRAV	FA-GRAV	CP-AES	FA-GRAV	FA-GRAV	ICP-AES	ICP-AES	XRF	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01	0.5
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00	100
97RN512A	63.14956	-149.85725		170			76.8			0.0	>10000	8.9	10.0	<0.5	<2	0.5	0.0	33.0
97RN512B	63.14956	-149.85725		<5			0.8			3.5	118.0		90.0	<0.5	<2		2.9	<0.5
97RN513A	63.14798	-149.85374		<5			0.6			4.7	630.0		50.0	<0.5	4.0		4.7	<0.5
97RN513C	63.14798	-149.85374		90			3.8			0.2	56.0		10.0	<0.5	20.0	5.9	6.3	<0.5
97RR 155A	63.13365	-149.77175					<0.2			3.3	14.0		70.0	<0.5	<2		4.1	<0.5
97SH 125	63.20763	-149.70200					<0.2			3.0	12.0		50.0	0.5	<2		2.6	<0.5
97SL304A	63.19297	-149.60543		10	---		5.8			0.6	52.0		220.0	0.5	<2		0.1	<5
97SL304B	63.19297	-149.60543		<5	---		<0.2			0.7	46.0		70.0	0.5	<2		0.1	0.5
97SL304C	63.19297	-149.60543		<5	---		0.2			0.7	36.0		80.0	0.5	<2		0.8	0.5
97SL310	63.17975	-149.59402		<5	---		<0.2			3.3	4.0		50.0	0.5	<2		2.0	0.5
97SL314	63.16782	-149.57903		<5	---		<0.2			2.6	6.0		330.0	<0.5	<2		0.1	<0.5
97SL315	63.16774	-149.57610		20	---		<0.2			2.9	<2		120.0	0.5	<2		1.9	0.5
97SL 315	63.16774	-149.57610					<0.2			3.3	<2		150.0	0.5	<2		2.9	<0.5
97SL320A	63.17794	-149.68929		<5	---		1.6			4.8	10.0		160.0	<0.5	<2		1.3	<0.5
97SL321A	63.17733	-149.69357		<5	---		<0.2			0.3	12.0		30.0	<0.5	<2		0.9	<0.5
97SL323	63.17643	-149.72286		<5	---		<0.2			2.4	10.0		200.0	0.5	<2		3.6	0.5
97SL325	63.17837	-149.71933		<5	---		<0.2			3.0	6.0		90.0	<0.5	<2		1.8	1.0
97SL342A	63.17231	-149.70430		<5	---		<0.2			4.4	8.0		60.0	<0.5	<2		1.6	<0.5
97SL345A	63.16897	-149.69982		<5	---		1.6			3.2	50.0		210.0	<0.5	Intf*		4.0	1.5
97SL345B	63.16897	-149.69982		20	---		0.2			5.4	<2		50.0	<0.5	<2		2.7	<0.5
97SL345C	63.16897	-149.69982		<5	---		<0.2			0.7	4.0		10.0	<0.5	<2		12.6	2.5
97SL346	63.16702	-149.70078		<5	---		0.2			1.2	<2		20.0	<0.5	<2		13.6	2.0
97SL348	63.16511	-149.69212		<5	---		<0.2			0.2	8.0		30.0	<0.5	<2		>15.00	2.5
97SL350A	63.16431	-149.68669		<5	---		0.2			1.1	32.0		10.0	<0.5	<2		0.5	1.5
97SL395	63.22225	-149.69483		60			0.8			1.2	374.0		250.0	<0.5	<2		0.1	<0.5
97SL396A	63.22385	-149.69400		<5			<0.2			1.1	40.0		130.0	<0.5	<2		13.3	<0.5
97SL397	63.22463	-149.69204		<5			0.4			3.1	70.0		270.0	<0.5	<2		0.2	<0.5
97SL 399B	63.23941	-149.65263					<0.2			3.1	6.0		260.0	<0.5	<2		2.8	<0.5
97SL399C	63.23941	-149.65263		<5			0.2			0.4	24.0		80.0	<0.5	<2		12.9	<0.5
97SL399D	63.23941	-149.65263		<5			0.2			1.4	16.0		310.0	0.5	<2		5.3	0.5
97SL 402A	63.20455	-149.56279					<0.2			0.6	26.0		100.0	<0.5	<2		1.5	<0.5
97SL407	63.02467	-149.88690		<5			<0.2			3.2	6.0		40.0	<0.5	<2		3.4	<0.5
97SL 407	63.02467	-149.88690					<0.2			3.7	8.0		10.0	<0.5	<2		4.8	<0.5
97SL409	63.02209	-149.88957		<5			<0.2			0.4	26.0		20.0	<0.5	<2		10.3	<0.5
97SL415A	63.25814	-149.55299		10			1.2			1.4	1375.0		<10	<0.5	<2		0.7	<0.5

	Co ppm ICP-AES 1 10000	Cr ppm ICP-AES 1 10000	Cu ppm ICP-AES 1 10000	Cu % AAS 0 100	Fe % ICP-AES 0.01 15	Ga ppm ICP-AES 10 10000	Hg ppm ICP-AES 1 10000	K % ICP-AES 0.01 10	La ppm ICP-AES 10 10000	Mg % ICP-AES 0.01 15	Mn ppm ICP-AES 5 10000	Mo ppm ICP-AES 1 10000	Na % ICP-AES 0.01 5	Ni ppm ICP-AES 1 10000	P ppm ICP-AES 10 10000	Pb ppm ICP-AES 2 10000	Rb ppm XRF	Sb ppm ICP-AES 2 10000
Sample ID																		
97RN512A	6.0	86.0	546.0		7.1	<10	<1	<0.01	<10	<0.01	15.0	<1	0.1	<1	<10	2570.0	<10	264.0
97RN512B	31.0	79.0	237.0		6.5	10.0	<1	0.3	<10	1.7	590.0	<1	0.1	57.0	1040.0	4.0		<2
97RN513A	120.0	116.0	94.0		5.1	10.0	<1	0.1	<10	1.3	485.0	<1	0.4	184.0	1010.0	8.0		2.0
97RN513C	107.0	20.0	3400.0		10.2	<10	<1	0.0	<10	0.1	700.0	<1	0.0	24.0	390.0	2.0	1	<2
97RR 155A	19.0	270.0	25.0		4.6	10.0	<1	0.0	10.0	3.4	995.0	<1	0.01	54.0	1570.0	8.0		<2
97SH 125	39.0	66.0	392.0		8.8	10.0	<1	0.1	<10	2.4	745.0	<1	<0.01	77.0	880.0	<2		<2
97SL304A	4.0	190.0	34.0		1.8	<10	<1	0.3	10.0	0.1	40.0	3.0	0.0	11.0	180.0	54.0		42.0
97SL304B	2.0	108.0	8.0		1.3	<10	<1	0.4	20.0	0.1	685.0	<1	0.1	3.0	200.0	8.0		8.0
97SL304C	3.0	94.0	15.0		1.6	<10	<1	0.3	20.0	0.1	850.0	1.0	0.0	5.0	310.0	6.0		8.0
97SL310	10.0	31.0	77.0		4.4	10.0	<1	0.2	<10	1.0	905.0	<1	0.0	5.0	610.0	4.0		<2
97SL314	7.0	16.0	22.0		2.5	<10	<1	0.9	10.0	0.5	145.0	1.0	0.0	17.0	500.0	4.0		2.0
97SL315	18.0	56.0	13.0		4.9	10.0	<1	0.1	30.0	2.0	680.0	<1	0.0	7.0	1750.0	10.0		2.0
97SL 315	20.0	65.0	19.0		5.0	10.0	<1	0.1	30.0	2.5	630.0	1.0	0.0	9.0	2150.0	6.0		<2
97SL320A	54.0	290.0	2680.0		7.1	10.0	<1	0.1	<10	1.7	275.0	<1	0.0	381.0	440.0	<2		2.0
97SL321A	4.0	325.0	94.0		4.6	<10	<1	0.0	<10	0.2	210.0	1.0	<0.01	14.0	40.0	2.0		2.0
97SL323	13.0	72.0	9.0		4.6	10.0	<1	0.2	10.0	1.8	895.0	<1	0.0	6.0	1410.0	6.0		<2
97SL325	33.0	108.0	430.0		7.6	20.0	<1	0.0	<10	1.9	400.0	1.0	0.0	73.0	940.0	2.0		<2
97SL342A	30.0	181.0	104.0		5.5	10.0	<1	0.0	<10	4.7	560.0	<1	0.1	66.0	210.0	2.0		<2
97SL345A	19.0	225.0	>10000	1.2	1.2	<10	<1	0.1	<10	4.1	1450.0	<1	0.0	348.0	Intf*	<2		<2
97SL345B	29.0	223.0	662.0		5.5	10.0	<1	0.0	<10	4.6	590.0	<1	<0.01	195.0	210.0	<2		2.0
97SL345C	17.0	69.0	509.0		2.1	<10	<1	0.0	<10	7.8	1955.0	<1	0.0	93.0	150.0	<2		2.0
97SL346	10.0	68.0	90.0		1.1	<10	<1	0.0	<10	8.1	1495.0	<1	<0.01	90.0	90.0	4.0		<2
97SL348	37.0	14.0	10.0		6.5	<10	<1	0.0	<10	1.2	1360.0	<1	<0.01	30.0	10.0	6.0		2.0
97SL350A	63.0	405.0	378.0		4.6	<10	<1	<0.01	<10	11.2	800.0	<1	<0.01	770.0	90.0	<2		2.0
97SL395	4.0	79.0	21.0		3.2	<10	<1	0.2	<10	0.4	75.0	<1	0.0	10.0	250.0	2.0		2.0
97SL396A	9.0	34.0	20.0		2.2	<10	<1	0.2	<10	0.5	400.0	<1	0.0	15.0	370.0	2.0		<2
97SL397	10.0	82.0	29.0		6.0	<10	<1	0.2	<10	1.6	1250.0	<1	0.0	48.0	590.0	12.0		<2
97SL 399B	11.0	43.0	11.0		5.0	10.0	<1	0.3	10.0	2.0	1010.0	<1	0.2	5.0	1180.0	6.0		<2
97SL399C	5.0	18.0	42.0		3.5	<10	<1	0.1	<10	4.7	920.0	1.0	0.0	5.0	320.0	6.0		<2
97SL399D	17.0	110.0	33.0		4.8	<10	<1	0.3	10.0	2.0	1030.0	1.0	0.0	31.0	1310.0	24.0		2.0
97SL 402A	10.0	42.0	13.0		3.9	<10	<1	0.1	20.0	0.9	740.0	1.0	0.1	4.0	2060.0	<2		<2
97SL407	24.0	60.0	84.0		4.8	<10	<1	0.1	<10	2.8	700.0	<1	0.1	38.0	570.0	<2		<2
97SL 407	24.0	62.0	93.0		4.7	10.0	<1	0.0	<10	3.1	75.0	<1	0.0	35.0	680.0	<2		<2
97SL409	20.0	98.0	17.0		3.8	<10	<1	0.1	<10	4.7	1185.0	<1	0.0	49.0	460.0	2.0		<2
97SL415A	4.0	61.0	360.0		10.7	<10	<1	0.0	<10	0.9	465.0	<1	0.1	15.0	420.0	8.0		2.0

Sample ID	Sc	Sn	Sr	Te	Ti	Tl	U	V	W	W	Zn	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	ICP-AES	XRF	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES	AAS
	1		1	0.1	0.01	10	10	1	10		2	0
	10000		10000	1000	5	10000	10000	10000	10000		10000	100
Sample ID	Field description											
97RN512A	<1	1204	2.0	<0.1	<0.1	<10	<10	3.0	<10	3	866.0	vuggy Qtz-aspy vein
97RN512B	14.0		66.0		0.2	<10	<10	208.0	<10		84.0	slightly po-bearing hfls/endoskarn?
97RN513A	15.0		149.0		0.2	<10	<10	178.0	<10		62.0	amph-rich veinlets
97RN513C	<1	9	25.0	0.2	0.0	<10	<10	11.0	10.0	22	42.0	mineralized skarn w/garnet? and/or sulfides?
97RR 155A	17.0		129.0		0.3	<10	<10	141.0	<10		86.0	white-lt grey wx dike
97SH 125	17.0		162.0		0.6	<10	10.0	222.0	<10		98.0	Nikolai
97SL304A	2.0		13.0		<0.1	<10	<10	19.0	<10		26.0	blk sandy shale
97SL304B	<1		12.0		<0.1	<10	<10	1.0	<10		94.0	siliceous white alt'd dike
97SL304C	<1		47.0		<0.1	<10	<10	1.0	<10		124.0	lt grey alt'd dike
97SL310	13.0		25.0		0.3	<10	<10	83.0	<10		112.0	siliceous arg w/sulfides
97SL314	5.0		24.0		<0.1	<10	<10	29.0	<10		90.0	siliceous shales
97SL315	8.0		80.0		0.2	<10	<10	74.0	<10		130.0	igneous rock, dike?
97SL 315	7.0		92.0		0.2	<10	<10	59.0	<10		110.0	igneous rock, dike?
97SL320A	23.0		18.0		<0.1	<10	<10	181.0	<10		82.0	congl w/sulfides
97SL321A	1.0		8.0		0.0	<10	<10	22.0	<10		12.0	red chert
97SL323	9.0		432.0		<0.1	<10	<10	99.0	<10		80.0	volcanics (GX is w/sulfides)
97SL325	6.0		56.0		0.4	<10	<10	212.0	<10		104.0	altered basaltic volcanics
97SL342A	26.0		56.0		0.2	<10	<10	164.0	<10		72.0	serpentinite-like rock
97SL345A	15.0		180.0		<0.1	<10	<10	224.0	<10		12.0	red chert, red shale, red ss, pebble congl
97SL345B	13.0		48.0		<0.1	<10	<10	71.0	<10		50.0	green layer between red bed
97SL345C	6.0		381.0		<0.1	<10	<10	173.0	<10		20.0	calcite vein, trace malachite and galena
97SL346	5.0		149.0		<0.1	<10	<10	34.0	<10		30.0	pale grn cherty rock
97SL348	3.0		74.0		<0.1	<10	<10	79.0	<10		54.0	red beds
97SL350A	9.0		23.0		<0.1	<10	<10	44.0	<10		20.0	green-blk ultramafic
97SL395	3.0		13.0		<0.1	<10	<10	27.0	<10		32.0	h/s=med grey bt dike, gx=gossan, py, chalcopy, sph
97SL396A	3.0		450.0		<0.1	<10	<10	28.0	<10		52.0	limey siltstone and silty ls w/sulfides
97SL397	6.0		36.0		<0.1	<10	<10	54.0	<10		88.0	shales and greywacke, some sulfides
97SL 399B	15.0		181.0		0.3	<10	<10	132.0	<10		80.0	porph Qtz diorite w/sulfides
97SL399C	5.0		1205.0		<0.1	<10	<10	35.0	<10		46.0	carb breccia
97SL399D	17.0		431.0		0.0	<10	<10	94.0	<10		106.0	red grungy dike, some bt intact
97SL 402A	10.0		58.0		0.1	<10	<10	37.0	<10		86.0	aphanitic blue/blk volc rock w/bt and felds phenos
97SL407	14.0		44.0		0.2	<10	<10	165.0	<10		60.0	grn gabbro?
97SL 407	16.0		55.0		0.2	<10	<10	189.0	<10		54.0	grn gabbro?
97SL409	23.0		777.0		<0.1	<10	<10	42.0	<10		20.0	orange silica-carb outcrop, Cu
97SL415A	4.0		10.0		0.1	<10	<10	86.0	<10		38.0	red grungy rock

Sample ID	Latitude	Longitude	ELEMENT	Au	Au FA	Au FA	Ag	Ag	Ag	Al	As	As	Ba	Be	Bi	Bi	Ca	Cd
			UNITS	ppb	oz/T	gm/T	ppm	oz/T	gm/T	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm
			METHOD	FA-AAS	FA-GRAV	FA-GRAV	CP-AES	FA-GRAV	FA-GRAV	ICP-AES	ICP-AES	XRF	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0	0	0	3	0	2		10	1	2	0	0.01	0.5
			UPPER LIMIT	10000	30	1000	100	30	1000	15	7		10000	100	10000	1000	15.00	100
97SL415B	63.25814	-149.55299		20			1.8			0.6	3330.0		10.0	<0.5	2.0		0.2	<0.5
97SL417B	63.24091	-149.54952		<5			<0.2			1.4	24.0		240.0	0.5	<2		1.3	<0.5
97SL419A	63.24389	-149.65268		<5			<0.2			1.9	26.0		220.0	0.5	<2		2.9	<0.5
97SL419B	63.24389	-149.65268		10			0.6			1.5	14.0		110.0	<0.5	2.0		1.0	<0.5
97SL419C	63.24389	-149.65268		<5			<0.2			3.2	10.0		210.0	<0.5	2.0		3.0	<0.5
97SL 420	63.24320	-149.64841					<0.2			1.7	32.0		730.0	0.5	<2		1.6	<0.5
97SL422A	63.24074	-149.61728		<5			0.2			0.9	62.0		60.0	<0.5	<2		2.2	<0.5
97SL422B	63.24074	-149.61728		<5			0.2			2.4	8.0		60.0	<0.5	<2		1.2	<0.5
97SL422C	63.24074	-149.61728		15			0.6			0.4	128.0		40.0	<0.5	2.0		0.2	<0.5
97SL422D	63.24074	-149.61728		5			0.6			2.1	66.0		180.0	<0.5	4.0		0.1	<0.5
*Analyses by Chemex Labs, 212 Brooksbank Avenue, North Vancouver, B.C. V7J 2C1																		

	Co	Cr	Cu	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	Sb
	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES
	1	1	1	0	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2
	10000	10000	10000	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000
Sample ID																		
97SL415B	1.0	55.0	86.0		4.0	<10	<1	0.1	<10	0.5	210.0	<1	0.0	2.0	<10	2.0		<2
97SL417B	9.0	40.0	6.0		4.1	<10	<1	0.3	40.0	0.3	985.0	1.0	0.0	10.0	1480.0	16.0		<2
97SL419A	13.0	30.0	12.0		5.3	<10	<1	0.2	10.0	1.6	1040.0	1.0	0.1	7.0	1060.0	10.0		<2
97SL419B	7.0	61.0	200.0		7.0	<10	<1	0.3	<10	0.5	400.0	<1	0.0	12.0	160.0	24.0		8.0
97SL419C	11.0	56.0	10.0		5.2	<10	<1	0.2	10.0	2.0	795.0	1.0	0.2	6.0	990.0	6.0		<2
97SL 420	9.0	108.0	12.0		3.5	<10	<1	0.4	30.0	1.6	630.0	1.0	0.1	8.0	800.0	10.0		<2
97SL422A	6.0	152.0	150.0		2.9	<10	<1	0.3	<10	0.8	185.0	1.0	0.0	24.0	360.0	<2		2.0
97SL422B	8.0	117.0	52.0		3.7	<10	<1	0.3	<10	1.4	315.0	1.0	0.1	51.0	480.0	8.0		<2
97SL422C	14.0	190.0	287.0		6.0	<10	<1	0.2	<10	0.1	60.0	1.0	0.0	26.0	450.0	2.0		6.0
97SL422D	5.0	94.0	113.0		4.0	<10	<1	0.3	<10	1.1	165.0	1.0	0.0	16.0	350.0	4.0		54.0

	Sc	Sn	Sr	Te	Ti	Tl	U	V	W	W	Zn	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	ICP-AES	XRF	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	XRF	ICP-AES	AAS
	1		1	0.1	0.01	10	10	1	10		2	0
	10000		10000	1000	5	10000	10000	10000	10000		10000	100
Sample ID	Field description											
97SL415B	3.0		4.0		0.1	<10	<10	55.0	<10		12.0	alt'd felsic dike?
97SL417B	4.0		46.0		<0.1	<10	<10	28.0	<10		90.0	reddish outcrop
97SL419A	18.0		205.0		<0.1	<10	<10	91.0	<10		106.0	porphyritic granodiorite
97SL419B	6.0		45.0		<0.1	<10	<10	67.0	<10		40.0	breccia
97SL419C	16.0		302.0		<0.1	<10	<10	121.0	<10		80.0	fg slightly calc siltstone, some sulfides
97SL 420	10.0		91.0		0.2	<10	<10	86.0	<10		86.0	equigran. Granodiorite
97SL422A	3.0		100.0		<0.1	<10	<10	21.0	<10		28.0	fg equigran qtz diorite, bt, sulfides
97SL422B	4.0		51.0		<0.1	<10	<10	47.0	<10		24.0	si-rich rock w/sulfides
97SL422C	1.0		9.0		<0.1	<10	<10	15.0	<10		20.0	si-rich rock w/lots of sulfides
97SL422D	5.0		15.0		<0.1	<10	<10	61.0	<10		16.0	gossany rock

Table 2: 1998 Geochemical Data, Chulitna Project, Healy A-6 and nearby areas

X= minimum concentration due to incomplete digestion in aqua regia

Sample ID	Latitude	Longitude	ELEMENT												Cr
			Au	Au	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	
			ppb	oz/T	ppm	oz/T	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			METHOD	FA-AAS	FA-GRAV	ICP-AES	FA-GRAV	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	
			LOWER LIMIT	5	0	0.00	0	0.0	2	10.0	1	2	0.01	0.50	1
			UPPER LIMIT	10000	30	100.00	30	15.0	7	10000.0	100	10000	15	100.00	10000
98BG019	63.18293	-149.66054	7080	---	>100.0	18.3	0.12	>10000	<10	<5	248	0.01	Intf*	49	72
98BG020	63.18104	-149.65398	40	---	2.4	---	0.34	478	60	<5	<2	4.15	<5	8	54
98BG123A	63.21371	-149.65011	>10000	0.608	>100.0	3.1	0.65	>10000	30	<5	184	0.26	445.0	3	102
98BG135	63.21371	-149.65011	>10000	3.092	>100.0	8.1	0.45	>10000	30	<5	Intf*	0.41	78.0	16	82
98Ha008	63.02394	-149.48516	230	---	32.4	---	0.80	>10000	<10	0.5	18	0.03	1.5	2	89
98Ha009	63.02967	-149.49544	<5	---	<2	---	2.91	30	60	0.5	<2	2.84	<5	31	58
98Ha013	63.00654	-149.49140	10	---	2.6	---	1.09	314	190	3.0	<2	0.06	<5	45	119
98Ha014	63.00597	-149.48857	<5	---	0.6	---	1.49	108	130	1.0	<2	0.11	<5	7	112
98Ha024	63.12178	-149.33829	<5	---	<2	---	1.34	44	50	<5	<2	0.55	<5	6	50
98Ha025	63.12155	-149.33190	40	---	0.4	---	2.12	40	70	<5	<2	0.91	0.5	12	34
98Ha033B	63.11173	-149.56741	15	---	0.8	---	0.57	108	80	0.5	<2	0.13	<5	<1	75
98Ha042	63.21207	-149.19469	<5	---	<2	---	3.40	50	80	<5	<2	0.81	0.5	16	256
98Ha043A	63.21148	-149.19073	<5	---	2.6	---	0.91	36	40	<5	4	0.02	0.5	5	243
98Ha043B	63.21148	-149.19073	<5	---	<2	---	2.62	6	80	0.5	<2	2.66	<5	17	69
98Ha054A	63.28153	-149.13174	<5	---	<2	---	3.33	32	680	<5	<2	0.72	0.5	29	366
98Ha055	63.26696	-149.32728	<5	---	0.2	---	1.58	18	70	<5	<2	1.10	<5	7	56
98Ha057C	63.23185	-149.15735	10	---	<2	---	0.91	6	70	0.5	<2	0.15	<5	1	68
98Ha057D	63.23185	-149.15735	10	---	<2	---	2.50	24	50	0.5	<2	1.85	0.5	17	67
98Ha060A	63.17146	-149.66373	<5	---	0.4	---	3.83	<2	250	<5	<2	3.24	<5	26	167
98Ha062B	63.17435	-149.64143	<5	---	1.4	---	0.38	22	60	0.5	2	0.87	<5	1	78
98Ha070B	63.19167	-149.61442	<5	---	<2	---	0.23	8	<10	<5	<2	0.10	<5	2	290
98Ha071A	63.18831	-149.61008	10	---	0.2	---	1.99	10	160	0.5	<2	0.81	<5	11	64
98KC104C	63.24707	-149.53157	<5	---	<2	---	2.49	6	240	0.5	<2	2.92	<5	17	62
98KC106	63.24454	-149.52846	10	---	0.6	---	1.47	166	90	<5	<2	0.73	0.5	10	42
98KC110	63.23645	-149.51056	50	---	0.4	---	2.88	30	150	<5	<2	0.41	<5	12	141
98KC112A	63.23267	-149.50894	<5	---	0.8	---	3.94	30	190	<5	<2	0.70	3.0	17	128
98KC112B	63.23267	-149.50894	<5	---	<2	---	2.16	6	230	<5	<2	1.18	<5	6	35
98KC115	63.27181	-149.43325	75	---	16.8	---	3.50	848	570	0.5	62	0.36	<5	20	66
98KC122A	63.28582	-149.49430	<5	---	0.2	---	0.84	104	230	0.5	2	2.81	<5	13	36
98KC122B	63.28582	-149.49430	15	---	<2	---	0.70	22	170	<5	<2	2.27	<5	5	32
98KC123A	63.03124	-149.48249	<5	---	5.2	---	1.16	10	30	2.5	<2	0.33	<5	<1	108
98KC123B	63.03124	-149.48249	935	---	>100.0	75	2.53	30	10	6.5	<2	2.14	12.0	14	91
98KC133	63.17701	-149.54763	<5	---	1	---	0.67	118	360	0.5	<2	0.04	0.5	10	115
98KC134A	63.17832	-149.54307	<5	---	21	---	1.39	34	180	1.5	2	0.05	0.5	12	48

Sample ID	Cu		Fe	X		Hg	X		La	X		Mg	Mn	X		Ni	P	Pb	Pb	Sb	Sc	
	ppm	%		Ga	%		K	%		%	%											
	ICP-AES	AAS		ICP-AES	ICP-AES		ICP-AES	ICP-AES		ICP-AES	ICP-AES		ICP-AES	ICP-AES	ICP-AES							ICP-AES
	1.00	0.01		0.01	10		1	0.01		10	0.01		5	1	0.01		1	10		2	2	1
	10000.00	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000	10000	10000	10000	10000				
98BG019	2460	---	>15.00	<10	5	0.04	<10	0.05	90	<1	<.01	7	140	1055	---	2390	<1					
98BG020	37	---	2.79	<10	<1	0.21	<10	1.15	3770	<1	<.01	13	280	6	---	14	2					
98BG123A	2260	---	>15.00	<10	<1	0.30	<10	0.44	310	1	<.01	8	350	5460	---	248	1					
98BG135	>10000	7.23	>15.00	<10	<1	0.19	<10	0.17	305	4	<.01	30	Intf*	378	---	568	<1					
98Ha008	168	---	3.31	<10	<1	0.11	<10	0.07	985	<1	0.03	1	10	144	---	108	2					
98Ha009	28	---	5.99	10	<1	0.28	10	2.42	540	3	0.16	23	3380	2	---	<2	6					
98Ha013	49	---	3.87	<10	<1	0.24	<10	0.11	2050	7	<.01	69	770	4	---	10	3					
98Ha014	51	---	2.70	<10	<1	0.20	10	0.45	335	1	0.01	74	380	4	---	4	2					
98Ha024	23	---	2.59	<10	<1	0.07	<10	0.66	720	1	0.08	5	340	10	---	<2	10					
98Ha025	98	---	3.56	<10	<1	0.21	<10	1.27	1380	<1	0.04	6	380	12	---	2	9					
98Ha033B	10	---	0.60	<10	<1	0.21	<10	0.03	105	<1	0.07	1	30	26	---	<2	1					
98Ha042	35	---	5.26	10	<1	0.17	10	2.11	560	2	0.02	97	640	4	---	<2	6					
98Ha043A	140	---	1.94	<10	<1	0.17	<10	0.26	220	<1	<.01	53	60	782	---	<2	1					
98Ha043B	7	---	3.65	10	<1	0.09	30	2.18	640	3	0.14	6	550	6	---	<2	11					
98Ha054A	39	---	3.92	10	<1	1.35	<10	3.1	215	1	0.19	186	470	6	---	2	16					
98Ha055	11	---	2.94	<10	<1	0.06	10	1.04	500	1	0.09	5	620	4	---	<2	10					
98Ha057C	1	---	0.65	<10	<1	0.44	<10	0.02	90	<1	0.07	4	40	2	---	<2	<1					
98Ha057D	11	---	3.19	<10	<1	0.19	<10	1.51	300	2	0.26	7	700	2	---	<2	5					
98Ha060A	80	---	4.62	10	1	0.14	<10	3.19	1540	1	0.17	88	320	<2	---	<2	20					
98Ha062B	16	---	0.89	<10	<1	0.25	<10	0.03	295	6	0.05	1	90	46	---	<2	<1					
98Ha070B	296	---	1.00	<10	<1	<.01	<10	0.12	85	1	<.01	8	120	<2	---	<2	<1					
98Ha071A	70	---	4.14	<10	1	0.48	10	0.93	635	2	0.03	44	270	4	---	12	6					
98KC104C	19	---	5.27	<10	<1	0.31	30	1.85	1140	2	0.03	5	1670	2	---	<2	13					
98KC106	21	---	2.62	<10	<1	0.22	<10	0.78	635	1	0.01	26	210	20	---	14	3					
98KC110	112	---	5.06	10	<1	0.56	<10	1.36	345	2	0.12	42	600	12	---	<2	6					
98KC112A	195	---	5.83	10	<1	0.81	<10	1.23	705	3	0.24	52	330	8	---	2	9					
98KC112B	27	---	3.90	10	<1	0.26	30	0.77	840	1	0.09	3	1150	12	---	<2	2					
98KC115	1795	---	6.49	10	<1	2.33	10	1.69	380	1	0.08	1	800	<2	---	<2	18					
98KC122A	20	---	5.13	<10	<1	0.22	10	0.72	940	3	<.01	17	910	16	---	4	8					
98KC122B	12	---	3.44	<10	<1	0.18	20	1.11	725	1	0.03	4	870	10	---	<2	3					
98KC123A	48	---	0.86	<10	<1	0.48	10	0.03	1025	1	0.01	<1	<10	1215	---	<2	<1					
98KC123B	2220	---	5.85	10	<1	0.04	<10	1.16	>10000	1	<.01	23	270	9420	---	<2	7					
98KC133	43	---	6.71	<10	<1	0.15	40	0.01	295	3	<.01	47	1600	30	---	24	4					
98KC134A	104	---	8.54	<10	<1	0.29	30	0.04	620	7	<.01	82	1610	100	---	6	2					

Sample ID	X	X	X		X				Field description
	Sr	Ti	Ti	U	V	W	Zn	Zn	
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	
	1	0.01	10	10	1	10	2	0.01	
	10000	5	10000	10000	10000	10000	10000	100	
98BG019	<1	<0.01	<10	<10	7	10	324	---	massive aspy vein
98BG020	109	<0.01	<10	<10	4	<10	46	---	dissem py in silicic vein
98BG123A	12	<0.01	<10	<10	1	<10	>10000	1.43	mineralized breccia--Golden Zone drill core
98BG135	37	<0.01	<10	<10	<1	<10	3930	---	mineralized breccia--Golden Zone drill core
98Ha008	1	<0.01	<10	10	1	<10	140	---	medium xline plag, qtz hornblende granite
98Ha009	152	0.09	<10	<10	60	<10	106	---	dk gray/black, greenish, Fe stained, slightly micaceous mafic dike
98Ha013	8	<0.01	<10	<10	64	<10	104	---	Fe stained hfis ss
98Ha014	16	<0.01	<10	<10	36	<10	164	---	fg, lt gray/green hfis ss
98Ha024	19	0.18	<10	<10	34	<10	58	---	lt green & black, vfg silicic/cherty rock w/ qtz veining
98Ha025	39	0.21	<10	<10	44	<10	92	---	"Ugly Tuff" black & green silicic rock w/flow banding, minor sulfides & qtz veining
98Ha033B	3	<0.01	<10	<10	<1	<10	58	---	felsic/rhyolitic dike-qtz,plag phen w/py
98Ha042	37	<0.01	<10	<10	84	<10	116	---	ss:v hard,silicic,dk gray,vfg
98Ha043A	4	<0.01	<10	<10	22	<10	174	---	qtz veins:gossanous
98Ha043B	148	0.06	<10	<10	66	<10	98	---	mafic dike-plag phen,dk gray,fg
98Ha054A	48	0.2	<10	<10	171	<10	54	---	hfis:maroon/green,silicic,fg,w/asp
98Ha055	66	0.16	<10	<10	52	<10	92	---	hfis:xline,volc,hnbld,grnt
98Ha057C	29	<0.01	<10	<10	1	<10	22	---	felsic dike:white,fine xline
98Ha057D	134	0.13	<10	<10	43	<10	100	---	hfis
98Ha060A	71	0.28	<10	<10	154	<10	62	---	fine xline,mafic volc,calc,w/minor sulfides
98Ha062B	69	<0.01	<10	<10	<1	<10	10	---	crs xline,monzodiorite? dike w/qtz eyes and sulfides
98Ha070B	2	<0.01	<10	<10	86	<10	6	---	hfis maroon green,silicified
98Ha071A	43	0.01	<10	<10	69	<10	44	---	black,gray/green,vf xline,w/sulfides
98KC104C	176	<0.01	<10	<10	100	<10	110	---	limonite alt'd-med gray/green aphanitic dike
98KC106	30	<0.01	<10	<10	34	<10	182	---	dk gray, weakly limonite alt'd basaltic? breccia
98KC110	42	0.07	<10	<10	75	<10	104	---	limonite gwke w/vfg dissem py & cpy?
98KC112A	77	0.12	<10	<10	85	<10	212	---	limonitic fractured argillite
98KC112B	48	0.04	<10	<10	8	<10	160	---	hnbl-bearing gray aphanitic dike
98KC115	21	0.31	<10	<10	107	<10	94	---	cpy-bearing limonite hfis
98KC122A	149	<0.01	<10	<10	44	<10	112	---	limonite volcanic breccia w/ Mn staining
98KC122B	216	<0.01	<10	<10	18	<10	112	---	lt green, slightly calc"latite" dike w/asp
98KC123A	7	<0.01	<10	10	<1	<10	216	---	limonitic qtz porph dike
98KC123B	41	<0.01	<10	<10	57	<10	5210	---	tetrahedrite?+/-cpy float
98KC133	192	<0.01	<10	<10	42	<10	164	---	limonitic fg porph dike
98KC134A	31	<0.01	<10	<10	12	<10	330	---	limonitic chert-pebble conglm lens

			ELEMENT	Au	Au	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr
			UNITS	ppb	oz/T	ppm	oz/T	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			METHOD	FA-AAS	FA-GRAV	ICP-AES	FA-GRAV	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0.00	0	0.0	2	10.0	1	2	0.01	0.50	1	1
			UPPER LIMIT	10000	30	100.00	30	15.0	7	10000.0	100	10000	15	100.00	10000	10000
Sample ID	Latitude	Longitude														
98KC134B	63.17832	-149.54307	<5	---		0.4	---	0.23	28	340	<5	<2	0.01	<5	3	203
98KC138A	63.04705	-149.58921	10	---		2.4	---	1.00	50	250	<5	<2	2.01	<5	1	34
98KC138B	63.04705	-149.58921	40	---		2.8	---	0.39	34	110	<5	<2	0.14	<5	<1	35
98KC147A	63.02384	-149.72952	<5	---		1.4	---	0.47	72	120	<5	<2	0.22	<5	4	40
98KC147B	63.02384	-149.72952	<5	---		<2	---	1.79	40	440	0.5	<2	4.14	<5	22	145
98KC148B	63.00395	-149.80237	<5	---		0.2	---	3.37	8	350	1.0	<2	0.44	<5	7	40
98KC149A	62.99966	-149.80114	<5	---		0.6	---	0.89	28	150	0.5	<2	0.04	1.5	20	107
98KC149C	62.99966	-149.80114	<5	---		1.4	---	2.19	26	30	<5	<2	0.01	2.0	4	126
98KC153	63.22017	-149.68528	30	---		0.8	---	3.77	178	140	0.5	<2	0.23	<5	9	400
98KC156B	63.22134	-149.75164	5	---		1.8	---	2.72	40	130	<5	<2	1.59	<5	37	130
98KC167B	63.11768	-149.77219	<5	---		0.2	---	1.01	28	170	<5	<2	0.03	<5	6	115
98KC167C	63.11768	-149.77219	<5	---		<2	---	3.45	8	370	<5	<2	3.65	<5	25	192
98KC167D	63.11768	-149.77219	<5	---		<2	---	0.41	42	2410	<5	<2	1.72	4.5	20	33
98KC171C	62.99291	-149.71953	<5	---		0.4	---	1.17	52	410	<5	<2	0.89	<5	12	54
98KC172B	62.98839	-149.71987	15	---		<2	---	1.33	12	740	<5	<2	0.11	<5	4	32
98KC178A	63.21463	-149.67269	<5	---		0.2	---	1.59	86	40	<5	<2	4.99	<5	36	384
98KC182A	63.22349	-149.67743	5	---		17.4	---	2.61	44	160	<5	Intf*	2.21	<5	16	123
98KC183	63.20037	-149.73303	<5	---		<2	---	0.62	36	100	0.5	<2	1.11	<5	<1	31
98KC184	63.18276	-149.66142	6610	---		>100.0	15.8	0.05	>10000	10	<5	200	<0.1	26.0	52	16
98KC185	63.19941	-149.64708	>10000	0.408		89.2	---	1.57	622	30	<5	Intf*	1.56	9.0	77	1
98KC186	63.23247	-149.62189	1220	---		6.2	---	0.08	>10000	<10	<5	26	8.70	<5	745	28
98KC188	63.24080	-149.60746	5160	---		12.2	---	0.12	>10000	10	<5	90	0.06	<5	111	126
98KC189	63.10779	-149.95080	<5	---		0.2	---	4.66	<2	50	0.5	<2	3.48	<5	29	70
98KC194	63.22766	-149.68988	<5	---		<2	---	2.81	6	90	<5	4	1.62	<5	28	90
98KC194A	63.22766	-149.68988	110	---		1.8	---	2.75	200	310	0.5	<2	0.26	<5	6	41
98RN009A	63.25038	-149.47333	<5	---		<2	---	0.86	196	90	1.0	<2	0.15	<5	5	42
98RN012	63.27103	-149.42345	<5	---		0.8	---	0.28	360	30	<5	<2	0.01	<5	<1	117
98RN013	63.27301	-149.43959	30	---		24.8	---	2.38	162	300	<5	10	0.20	3.5	47	56
98RN014	63.27694	-149.42829	10	---		1	---	0.20	1880	40	<5	16	0.01	<5	<1	70
98RN015A	63.27997	-149.42657	1410	---		8	---	0.03	>10000	<10	<5	3650	<0.1	Intf*	45	97
98RN015B	63.27997	-149.42657	<5	---		1.2	---	0.19	1070	10	<5	8	<0.1	<5	<1	75
98RN016	63.27321	-149.42931	210	---		3.8	---	0.39	>10000	70	<5	286	0.07	Intf*	7	111
98RN017B	63.28443	-149.48369	>10000	0.544		3.8	---	1.27	>10000	10	<5	106	0.08	Intf*	573	117
98RN050A	63.23176	-149.62166	235	---		40.2	---	0.08	1885	<10	<5	Intf*	8.73	6.0	34	21
98RN050B	63.23176	-149.62166	270	---		2.6	---	0.08	8190	<10	<5	6	11.70	0.5	121	21
98RN050C	63.23176	-149.62166	410	---		4.4	---	0.40	>10000	<10	<5	6	11.85	Intf*	88	20
98RN050D	63.23176	-149.62166	600	---		0.6	---	0.56	>10000	<10	<5	8	14.85	Intf*	366	24

	Cu ppm	Cu %	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Pb %	Sb ppm	Sc ppm
	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
	1.00	0.01	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2	1
	10000.00	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000	10000
Sample ID																	
98KC134B	10	---	1.14	<10	<1	0.09	<10	<0.1	60	<1	<0.1	8	260	2	---	6	1
98KC138A	21	---	2.25	<10	<1	0.41	<10	0.17	170	1	<0.1	6	470	6	---	4	5
98KC138B	8	---	0.49	<10	<1	0.28	<10	0.03	5	<1	<0.1	1	10	6	---	6	1
98KC147A	50	---	6.80	<10	<1	0.11	<10	0.05	50	9	<0.1	28	1980	16	---	10	1
98KC147B	43	---	4.12	<10	<1	0.19	10	2.65	1000	4	0.02	64	1320	10	---	<2	12
98KC148B	10	---	4.49	10	<1	0.56	10	1.28	805	3	0.02	14	1430	10	---	<2	6
98KC149A	46	---	11.00	<10	<1	0.22	<10	0.03	6770	<1	<0.1	67	1030	42	---	4	4
98KC149C	80	---	5.55	<10	<1	0.02	<10	1.3	400	1	<0.1	14	90	26	---	8	4
98KC153	27	---	4.65	10	<1	0.07	<10	3.29	180	3	<0.1	94	1020	2	---	8	12
98KC156B	4690	---	7.44	10	<1	0.09	<10	2.21	310	2	0.03	100	1100	<2	---	6	14
98KC167B	68	---	2.37	<10	<1	0.07	<10	0.38	115	7	0.02	25	280	10	---	<2	5
98KC167C	40	---	4.28	10	<1	0.08	10	2.98	1220	2	0.03	33	960	14	---	<2	13
98KC167D	27	---	1.35	<10	<1	0.09	30	0.04	>10000	2	0.01	42	8100	22	---	<2	3
98KC171C	60	---	3.16	<10	<1	0.14	<10	0.38	1940	6	0.03	35	540	10	---	<2	5
98KC172B	56	---	1.91	<10	1	0.34	<10	0.8	375	<1	0.01	9	300	2	---	<2	4
98KC178A	72	---	4.07	<10	<1	0.04	<10	3.6	1925	1	0.03	142	480	2	---	<2	22
98KC182A	>10000	4	3.10	<10	4	0.04	<10	1.89	1070	3	0.04	58	Intf*	<2	---	<2	13
98KC183	38	---	0.51	<10	<1	0.16	<10	0.12	225	<1	0.06	3	20	22	---	<2	1
98KC184	2430	---	>15.00	<10	<1	0.01	<10	0.01	30	1	<0.1	<1	<10	528	---	1865	<1
98KC185	>10000	15.8	>15.00	<10	<1	0.33	<10	0.19	500	9	0.21	72	Intf*	40	---	<2	3
98KC186	420	---	12.50	<10	<1	<0.1	<10	0.06	810	4	<0.1	72	<10	<2	---	64	<1
98KC188	734	---	>15.00	<10	<1	0.06	<10	0.01	55	3	<0.1	55	50	20	---	194	<1
98KC189	199	---	5.67	10	1	<0.1	10	2.45	700	2	0.01	49	710	<2	---	<2	15
98KC194	103	---	5.62	<10	1	0.03	<10	2.24	675	2	0.05	70	520	<2	---	<2	13
98KC194A	125	---	7.67	<10	1	0.28	10	1.55	345	3	<0.1	10	1960	6	---	2	12
98RN009A	15	---	1.32	<10	<1	0.23	40	0.11	75	<1	0.03	3	430	10	---	<2	1
98RN012	52	---	0.76	<10	<1	0.13	<10	0.02	25	4	0.05	1	30	10	---	<2	<1
98RN013	8840	---	6.15	10	<1	2.10	40	1.73	320	6	0.01	3	860	2	---	<2	17
98RN014	139	---	0.87	<10	<1	0.10	<10	<0.1	10	40	0.03	<1	10	10	---	2	<1
98RN015A	32	---	>15.00	<10	7	0.01	10	<0.1	5	37	<0.1	<1	200	40	---	212	<1
98RN015B	127	---	1.02	<10	<1	0.10	<10	<0.1	20	14	0.04	1	10	10	---	2	1
98RN016	241	---	2.86	<10	<1	0.20	10	0.02	20	5	0.02	2	10	22	---	36	<1
98RN017B	1735	---	>15.00	<10	3	0.13	<10	0.47	210	6	<0.1	58	350	20	---	82	6
98RN050A	>10000	1.58	10.05	<10	<1	<0.1	<10	0.03	785	2	<0.1	56	Intf*	2	---	<2	<1
98RN050B	1140	---	8.04	<10	<1	<0.1	<10	0.03	1025	1	<0.1	75	90	4	---	<2	<1
98RN050C	1725	---	7.35	<10	1	0.01	<10	0.05	1185	<1	<0.1	21	120	4	---	<2	<1
98RN050D	201	---	8.80	<10	1	0.03	<10	0.06	1365	1	<0.1	27	80	10	---	6	<1

Sample ID	Sr	Ti	Ti	U	V	W	Zn	Zn	Field description
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	
	1	0.01	10	10	1	10	2	0.01	
	10000	5	10000	10000	10000	10000	10000	100	
98KC134B	51	<.01	<10	<10	6	<10	26	---	limonitic gray chert
98KC138A	180	<.01	<10	<10	28	<10	22	---	limonite fault gouge
98KC138B	19	<.01	<10	<10	9	<10	4	---	gray fault gouge-sulfides?
98KC147A	10	<.01	<10	<10	46	<10	194	---	limonitic fault gouge
98KC147B	483	<.01	<10	<10	80	<10	94	---	lt green, sericitized biot monzodiorite dike
98KC148B	41	0.13	<10	<10	75	<10	92	---	limonitic, K-alt'd monzodiorite dike
98KC149A	5	<.01	<10	<10	51	<10	434	---	gossanous material-former dike?
98KC149C	4	0.02	<10	<10	66	<10	364	---	limonitic argillite
98KC153	20	0.01	<10	<10	113	<10	44	---	limonitic vuggy qtz
98KC156B	42	<.01	<10	<10	116	<10	104	---	camygdaloidal basalt w/chrysotile?
98KC167B	17	<.01	<10	<10	46	<10	40	---	pyritic chert w/Qtz veining
98KC167C	1020	<.01	<10	<10	116	<10	96	---	lt green alt'd dike w/epidote?pyx?
98KC167D	120	<.01	<10	<10	6	<10	122	---	Mn ooids w/terminated vuggy qtz
98KC171C	31	<.01	<10	<10	37	<10	110	---	limonitic hfls
98KC172B	10	0.04	<10	<10	27	<10	44	---	tuffaceous gray/green chert
98KC178A	278	<.01	<10	<10	133	<10	72	---	course lithic tuff & chert
98KC182A	35	<.01	<10	<10	251	<10	62	---	qtz/malachite vein in angular red chert pebble conglom
98KC183	144	<.01	<10	<10	1	<10	34	---	qtz porph dike
98KC184	<1	<.01	<10	<10	<1	<10	804	---	Long Creek prospect samples
98KC185	12	0.09	<10	<10	29	<10	260	---	Cu-King samples
98KC186	24	<.01	<10	<10	<1	<10	30	---	Banner prospect samples
98KC188	<1	<.01	<10	<10	<1	10	24	---	Riverside prospect
98KC189	194	0.31	<10	<10	136	<10	70	---	hfls volc. or dike
98KC194	30	0.29	<10	<10	210	<10	58	---	
98KC194A	29	<.01	<10	<10	86	<10	58	---	felsic dike-Fe stained
98RN009A	11	<.01	<10	<10	4	<10	26	---	
98RN012	1	<.01	<10	<10	1	<10	6	---	felsic dike swarm w/dissemin musc. py, cpy
98RN013	5	0.38	<10	<10	109	<10	270	---	Cu mineralized hfls
98RN014	2	<.01	<10	<10	<1	<10	10	---	Tertiary granite rubble w/aspy & moly
98RN015A	<1	<.01	<10	<10	1	50	40	---	aspy vein
98RN015B	<1	<.01	<10	<10	<1	<10	6	---	aspy in Tg
98RN016	12	<.01	<10	<10	<1	<10	32	---	aspy vein
98RN017B	1	0.02	<10	<10	81	<10	70	---	minz'n aspy
98RN050A	39	<.01	<10	<10	3	<10	444	---	cpy-sph-cpx skarn from marble
98RN050B	54	<.01	<10	<10	3	<10	22	---	pyx-grnt-aspy-po skarn from marble
98RN050C	51	0.01	<10	<10	11	<10	46	---	pyx-grnt-amph skarn w/sulfides
98RN050D	45	<.01	<10	<10	39	10	18	---	carb-aspy-amph

			ELEMENT	Au	Au	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr
			UNITS	ppb	oz/T	ppm	oz/T	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			METHOD	FA-AAS	FA-GRAV	ICP-AES	FA-GRAV	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0.00	0	0.0	2	10.0	1	2	0.01	0.50	1	1
			UPPER LIMIT	10000	30	100.00	30	15.0	7	10000.0	100	10000	15	100.00	10000	10000
Sample ID	Latitude	Longitude														
98RN053A	63.19900	-149.64277	10	---	<2	---	2.21	184	60	<5	<2	5.18	<5	14	26	
98RN059A	63.19756	-149.65374	140	---	3.4	---	2.95	538	<10	<5	24	2.98	0.5	72	6	
98RN059B	63.19756	-149.65374	20	---	2.4	---	2.71	86	<10	<5	14	2.61	0.5	78	5	
98RN060A	63.19582	-149.65766	360	---	7.4	---	1.31	72	30	<5	28	5.11	1.5	12	17	
98RN061	63.18587	-149.66923	40	---	6.2	---	4.38	356	10	<5	14	0.07	<5	19	309	
98RN061B	63.18587	-149.66923	5300	---	>100.0	7	0.11	>10000	10	<5	292	0.05	Intf*	89	68	
98RN064	63.18402	-149.65918	20	---	1	---	2.39	418	70	<5	<2	3.20	1.5	21	131	
98RN065	63.18360	-149.66040	4250	---	>100.0	5.8	0.03	>10000	<10	<5	184	0.01	Intf*	10	83	
98RN075	63.19302	-149.65449	20	---	1.4	---	2.82	248	50	<5	<2	2.27	2.0	24	90	
98RN076	63.19191	-149.65240	4190	---	>100.0	10	1.29	>10000	10	<5	120	1.28	Intf*	23	216	
98RN082A	63.20293	-149.68174	20	---	0.8	---	2.27	152	50	<5	<2	6.30	<5	10	26	
98RN085A	63.20294	-149.67641	70	---	3.2	---	1.32	872	80	<5	<2	1.63	3.0	10	20	
98RN086A	63.20117	-149.67121	5	---	<2	---	0.98	418	270	<5	<2	2.29	<5	7	39	
98RN089	63.24022	-149.61768	10	---	0.8	---	1.90	322	80	<5	<2	2.05	0.5	8	46	
98RN090A	63.24038	-149.60632	9250	---	9.2	---	0.03	>10000	<10	<5	132	0.57	Intf*	281	100	
98RN112B	63.19526	-149.65935	120	---	0.4	---	1.24	204	50	<5	2	1.79	<5	33	20	
98RN112C	63.19526	-149.65935	10	---	4.2	---	0.44	162	60	<5	<2	10.20	0.5	43	57	
98RN112D	63.19526	-149.65935	<5	---	0.8	---	1.85	32	30	<5	2	9.06	<5	16	44	
98RN122A	63.23657	-149.61597	10	---	0.4	---	2.97	64	50	<5	2	0.51	<5	8	136	
98RN124A	63.23697	-149.61386	>10000	0.689	12.2	---	0.10	>10000	<10	<5	386	0.03	Intf*	31	26	
98RN138	63.23361	-149.61812	7240	---	10.4	---	0.24	>10000	<10	<5	110	<.01	Intf*	205	46	
98RR075A	63.20435	-149.76126	725	---	0.8	---	0.55	>10000	280	<5	16	0.20	Intf*	3	84	
98RR081A	63.19722	-149.78995	135	---	0.2	---	0.50	5400	240	0.5	2	0.48	<5	4	76	
98SL302B	63.07984	-149.41854	180	---	0.4	---	2.68	418	210	0.5	2	0.24	<5	10	65	
98SL302C	63.07984	-149.41854	15	---	<2	---	0.54	256	100	<5	<2	0.03	<5	<1	65	
98SL302D	63.07984	-149.41854	10	---	0.2	---	0.24	106	40	<5	<2	0.01	<5	5	238	
98SL304	63.08024	-149.43263	20	---	0.6	---	1.68	94	130	<5	<2	0.22	<5	7	31	
98SL307A	63.08078	-149.44551	5	---	0.2	---	4.82	42	20	<5	<2	2.49	<5	32	39	
98SL307B	63.08078	-149.44551	10	---	0.4	---	2.16	124	90	<5	2	0.51	<5	2	30	
98SL307C	63.08078	-149.44551	<5	---	0.2	---	1.69	42	80	<5	<2	0.51	<5	10	61	
98SL311	63.12600	-149.34090	<5	---	<2	---	5.68	44	60	0.5	<2	1.32	0.5	41	614	
98SL315	63.14071	-149.33464	<5	---	0.2	---	3.19	18	140	<5	<2	0.01	<5	8	74	
98SL317A	63.14229	-149.32829	<5	---	0.2	---	2.66	38	160	<5	2	0.22	<5	23	130	
98SL319D	63.14388	-149.30703	<5	---	0.2	---	2.37	10	90	<5	4	0.06	<5	10	110	
98SL319E	63.14388	-149.30703	<5	---	0.2	---	2.63	20	100	<5	<2	0.07	<5	6	109	
98SL323B	63.00247	-149.94933	<5	---	<2	---	1.05	18	30	<5	2	3.86	<5	18	67	
98SL324B	62.99990	-149.94247	<5	---	<2	---	3.97	8	100	<5	2	0.04	<5	20	105	

Sample ID	Cu	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Pb	Sb	Sc
	ppm	%	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
	1.00	0.01	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2	1
	10000.00	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000	10000
98RN053A	170	---	4.26	10	<1	0.10	<10	1.81	850	<1	0.08	6	1070	2	---	<2	19
98RN059A	7090	---	>15.00	<10	<1	0.01	<10	0.06	250	1	0.08	8	3980	6	---	<2	<1
98RN059B	3720	---	>15.00	<10	<1	0.01	<10	0.07	230	1	0.07	10	3890	6	---	<2	<1
98RN060A	3190	---	4.10	<10	<1	0.01	<10	0.53	1065	1	0.01	13	210	2	---	<2	1
98RN061	507	---	10.45	10	<1	0.03	<10	3.85	310	3	<0.1	236	400	36	---	2	12
98RN061B	877	---	>15.00	<10	5	0.03	<10	0.05	30	<1	<0.1	48	130	1795	---	1385	<1
98RN064	144	---	4.72	<10	<1	0.31	<10	3.13	1490	<1	0.02	83	570	2	---	6	15
98RN065	4550	---	>15.00	<10	8	0.01	<10	<0.1	200	<1	0.01	<1	390	1965	---	882	<1
98RN075	638	---	4.86	<10	<1	0.12	<10	2.39	495	1	0.12	93	420	<2	---	2	7
98RN076	3960	---	>15.00	<10	6	0.08	<10	1.83	715	3	<0.1	223	340	>10000	1.49	456	7
98RN082A	32	---	3.53	<10	<1	0.11	<10	1.43	1075	1	0.07	6	500	30	---	4	4
98RN085A	151	---	4.46	<10	<1	0.17	10	1.03	1650	2	0.02	19	450	124	---	12	4
98RN086A	28	---	2.53	<10	<1	0.23	10	0.79	430	3	0.04	10	910	2	---	<2	4
98RN089	146	---	2.91	<10	<1	0.21	20	1.08	255	5	0.08	7	1130	26	---	<2	5
98RN090A	276	---	13.15	<10	3	0.01	<10	0.07	275	4	<0.1	116	190	62	---	186	1
98RN112B	445	---	10.95	<10	<1	0.01	10	1.52	760	1	<0.1	28	2970	<2	---	<2	1
98RN112C	1640	---	8.69	<10	<1	<0.1	<10	0.95	1345	<1	<0.1	22	270	<2	---	16	4
98RN112D	145	---	3.72	<10	<1	0.05	<10	0.71	590	<1	<0.1	110	550	<2	---	2	6
98RN122A	158	---	5.38	<10	<1	0.10	<10	1.58	485	<1	0.05	46	390	<2	---	<2	6
98RN124A	113	---	>15.00	<10	<1	0.01	<10	<0.1	<5	<1	<0.1	8	Intf*	Intf*	---	446	<1
98RN138	663	---	>15.00	<10	<1	0.02	<10	0.01	15	1	<0.1	19	Intf*	Intf*	---	388	<1
98RR075A	7	---	2.21	<10	<1	0.30	10	0.01	60	<1	0.08	4	150	24	---	12	<1
98RR081A	18	---	1.46	<10	<1	0.31	10	0.01	130	<1	0.06	3	130	18	---	4	<1
98SL302B	60	---	5.53	<10	<1	0.51	<10	1.05	100	<1	0.05	18	650	12	---	14	8
98SL302C	19	---	1.85	<10	<1	0.21	10	0.02	70	<1	0.05	1	40	6	---	<2	1
98SL302D	19	---	1.21	<10	<1	0.08	<10	0.03	195	<1	<0.1	16	100	2	---	<2	<1
98SL304	39	---	2.53	<10	<1	0.51	<10	0.56	635	1	0.04	11	430	4	---	<2	6
98SL307A	231	---	6.27	10	<1	0.08	<10	1.69	680	<1	0.03	48	700	<2	---	2	5
98SL307B	34	---	3.36	<10	<1	0.50	<10	0.71	520	1	<0.1	1	1440	<2	---	2	9
98SL307C	39	---	3.45	<10	<1	0.10	<10	0.79	1120	<1	0.05	7	390	2	---	<2	11
98SL311	40	---	5.92	10	<1	0.01	<10	6.39	1455	<1	<0.1	303	1300	<2	---	<2	19
98SL315	67	---	4.43	<10	<1	0.31	10	1.52	515	1	0.03	30	380	10	---	<2	3
98SL317A	9	---	3.93	<10	<1	0.21	10	1.18	280	<1	0.01	89	460	<2	---	<2	3
98SL319D	101	---	4.61	<10	<1	0.22	<10	1.38	300	2	0.01	44	500	16	---	<2	2
98SL319E	42	---	4.59	<10	<1	0.25	<10	1.51	335	2	0.02	26	420	22	---	2	3
98SL323B	28	---	5.36	<10	<1	0.17	<10	0.61	975	<1	0.04	42	560	<2	---	<2	16
98SL324B	27	---	7.67	<10	<1	0.18	<10	0.55	100	<1	0.03	192	160	<2	---	<2	11

Sample ID	Sr	Ti	Ti	U	V	W	Zn	Zn	Field description
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	
	1	0.01	10	10	1	10	2	0.01	
	10000	5	10000	10000	10000	10000	10000	100	
98RN053A	84	0.18	<10	<10	109	<10	34	---	alt'd felsic intrusion?qtz,feldspar,grnt w/py & po
98RN059A	63	0.08	<10	<10	12	<10	22	---	pyx-po-cpy-skarn
98RN059B	62	0.08	<10	<10	11	<10	10	---	pyx-po-skarn
98RN060A	33	0.05	<10	<10	45	10	72	---	pyx-po-cpy-skarn
98RN061	3	<.01	<10	<10	110	<10	120	---	redbed conglm w/silt and dissem-veinlets of py,aspy
98RN061B	<1	<.01	<10	<10	7	<10	956	---	aspy in vein
98RN064	70	<.01	<10	<10	82	<10	134	---	silicified (hfls'd?) argillite w/py vnlt
98RN065	2	<.01	<10	<10	4	40	>10000	2.11	aspy,py vein in silicified? argillite
98RN075	57	0.02	<10	<10	52	<10	80	---	hfls'd redbed w/dissemin and vein py-po
98RN076	33	<.01	<10	<10	45	<10	5000	---	py,cpy veins in alt'd hfls
98RN082A	162	<.01	<10	<10	54	<10	90	---	limestone: black,pyritized
98RN085A	167	<.01	<10	<10	36	<10	174	---	hfls'd turbidite
98RN086A	266	<.01	<10	<10	23	<10	48	---	K-type qtz monzodiorite dike:plag alt'd to sericite w/dissemin aspy
98RN089	96	0.11	<10	<10	46	<10	56	---	monzodiorite w/po veinlets & dissem
98RN090A	7	<.01	<10	<10	5	<10	30	---	massive qtz,aspy,po,py
98RN112B	24	0.02	<10	<10	22	<10	44	---	sulfide rich skarn?
98RN112C	124	<.01	<10	<10	30	<10	46	---	skarn?
98RN112D	86	<.01	<10	<10	60	<10	102	---	cpx rich skarn?
98RN122A	40	0.14	<10	<10	70	<10	46	---	Fe stained hfls'd argillite
98RN124A	<1	<.01	<10	20	<1	<10	38	---	qtz,aspy vein
98RN138	<1	<.01	<10	20	<1	<10	36	---	aspy qtz vein
98RR075A	85	<.01	<10	<10	<1	<10	24	---	plag,qtz porph dike
98RR081A	70	<.01	<10	<10	<1	<10	46	---	qtz,plag phenocryst dike
98SL302B	87	0.04	<10	<10	65	<10	68	---	black argillite
98SL302C	7	<.01	<10	<10	<1	<10	64	---	lt bluish dike w/sulfides
98SL302D	3	<.01	<10	<10	4	<10	24	---	white bull qtz vein w/pyrite
98SL304	11	0.19	<10	<10	41	<10	52	---	gossan in black argillite
98SL307A	27	0.47	<10	<10	152	<10	96	---	volcanic dike
98SL307B	18	0.24	<10	<10	53	<10	38	---	bluish Si argillite
98SL307C	10	0.25	<10	<10	88	<10	66	---	Si argillite w/reddish weathering rind
98SL311	107	0.04	<10	<10	204	<10	126	---	plutonic dike
98SL315	34	0.01	<10	<10	54	<10	84	---	Fe stained, Si-argillite & chert
98SL317A	34	<.01	<10	<10	29	<10	110	---	hypabyssal alt'd basalt or andesite dike
98SL319D	10	<.01	<10	<10	34	<10	100	---	reddish alt'd rock
98SL319E	13	<.01	<10	<10	46	<10	92	---	yellow/green alt'd rock
98SL323B	139	<.01	<10	<10	46	<10	72	---	cg,silty ss w/some boxwork qtz veining
98SL324B	19	<.01	<10	<10	66	<10	52	---	green sandy shale w/Qtz,py in veins

Sample ID	Latitude	Longitude	ELEMENT	Au	Au	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr
			UNITS	ppb	oz/T	ppm	oz/T	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			METHOD	FA-AAS	FA-GRAV	ICP-AES	FA-GRAV	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES
			LOWER LIMIT	5	0	0.00	0	0.0	2	10.0	1	2	0.01	0.50	1	1
			UPPER LIMIT	10000	30	100.00	30	15.0	7	10000.0	100	10000	15	100.00	10000	10000
98SL324C	62.99990	-149.94247		5	---	<2	---	2.55	<2	90	<5	2	0.15	<5	31	119
98SL325A	62.99988	-149.94145		<5	---	<2	---	2.76	42	620	<5	<2	0.29	<5	15	64
98SL325B	62.99988	-149.94145		<5	---	<2	---	1.86	32	80	<5	<2	>15.00	<5	2	53
98SL328A	62.99596	-149.93264		<5	---	0.8	---	3.85	12	90	<5	2	0.17	<5	1	31
98SL328B	62.99596	-149.93264		<5	---	<2	---	0.13	30	30	<5	<2	11.05	<5	60	301
98SL329A	62.99421	-149.93103		<5	---	<2	---	2.59	4	260	<5	<2	1.02	<5	14	106
98SL330A	62.99197	-149.93014		<5	---	0.2	---	5.16	<2	10	0.5	2	3.35	<5	23	13
98SL334	63.02054	-149.79216		<5	---	0.4	---	1.13	26	370	<5	2	0.01	<5	<1	48
98SL337A	63.01187	-149.79422		10	---	0.2	---	0.39	16	460	<5	2	0.04	<5	1	140
98SL337B	63.01187	-149.79422		15	---	<2	---	1.06	8	780	<5	<2	<0.01	<5	<1	93
98SL337C	63.01187	-149.79422		<5	---	<2	---	0.64	12	230	<5	<2	0.01	<5	<1	177
98SL339	62.99647	-149.88260		<5	---	<2	---	1.34	18	350	<5	<2	0.04	<5	3	117
98SL349A	62.96763	-149.91861		<5	---	0.2	---	5.19	22	130	1.0	<2	1.69	<5	10	117
98SL349B	62.96763	-149.91861		630	---	0.6	---	0.67	48	630	2.5	<2	0.01	<5	<1	205
98SL349C	62.96763	-149.91861		110	---	0.8	---	2.07	<2	70	<5	<2	0.15	<5	<1	42
98SL349D	62.96763	-149.91861		135	---	0.4	---	1.34	64	140	1.0	<2	0.89	0.5	1	187
98SL350	62.96663	-149.91908		<5	---	0.2	---	3.12	14	130	0.5	<2	1.55	<5	7	101
98SL351B	63.00055	-149.86802		<5	---	<2	---	0.24	8	20	<5	<2	0.04	<5	<1	267
98SL354A	63.00120	-149.85811		<5	---	0.4	---	4.55	52	630	<5	<2	0.21	0.5	16	209
98SL355C	62.99847	-149.71826		10	---	0.2	---	4.06	<2	130	<5	<2	2.64	<5	30	48
98SL356A	62.99208	-149.72390		<5	---	<2	---	1.39	18	110	<5	<2	0.08	<5	3	62
98SL356B	62.99208	-149.72390		<5	---	0.8	---	4.94	88	10	<5	2	0.18	<5	45	109
98SL357B	62.98604	-149.71560		<5	---	0.2	---	2.35	4	6060	0.5	<2	0.08	1.0	7	133
98SL368C	63.04537	-149.86053		<5	---	<2	---	2.04	<2	110	<5	<2	0.56	<5	9	52
98SL369A	63.04621	-149.85188		<5	---	0.2	---	3.83	<2	100	<5	<2	0.13	<5	13	28
98SL369B	63.04621	-149.85188		<5	---	<2	---	5.36	32	90	<5	<2	1.65	<5	31	234
98SL384B	63.08528	-149.77004		<5	---	<2	---	3.33	<2	230	<5	<2	6.48	<5	29	98
98SL386	63.07911	-149.75868		<5	---	0.2	---	2.99	<2	220	<5	2	0.69	<5	12	27
98SL387	63.07737	-149.75996		<5	---	<2	---	5.05	<2	70	<5	<2	4.23	<5	32	79
98SL400	63.26865	-149.35191		<5	---	<2	---	2.18	<2	40	<5	2	0.83	0.5	9	39
98SL401	63.26654	-149.35276		<5	---	<2	---	2.73	<2	250	<5	<2	1.21	<5	8	48
98SL402B	63.26298	-149.35209		<5	---	<2	---	2.51	<2	190	<5	<2	0.76	<5	9	42
98SL402C	63.26298	-149.35209		<5	---	<2	---	2.54	<2	30	<5	<2	0.52	<5	20	26
98SL405	63.26434	-149.35860		<5	---	0.2	---	2.32	42	110	<5	<2	1.24	0.5	11	44
98SL406	63.27459	-149.34684		<5	---	<2	---	1.46	<2	160	<5	<2	2.39	<5	6	39

*Analyses by Chemex Labs, 212 Brooksbank Avenue, North Vancouver, B.C. V7J 2C1

Sample ID	Cu	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Pb	Sb	Sc
	ppm	%	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	ICP-AES	AAS	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	ICP-AES	ICP-AES
	100	0.01	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2		2	1
	10000.00	100	15	10000	10000	10	10000	15	10000	10000	5	10000	10000	10000		10000	10000
98SL324C	23	---	5.51	<10	<1	0.18	<10	0.4	125	<1	0.02	224	660	<2	---	<2	9
98SL325A	24	---	4.69	10	1	0.08	20	1.44	1090	<1	0.06	25	1280	6	---	<2	7
98SL325B	<1	---	0.69	<10	<1	0.01	<10	8.97	190	<1	<0.01	13	440	<2	---	<2	4
98SL328A	27	---	4.75	<10	<1	0.24	<10	1.28	125	<1	0.06	7	520	6	---	<2	5
98SL328B	1	---	2.38	<10	<1	<0.01	<10	7.33	1395	<1	<0.01	798	<10	<2	---	<2	3
98SL329A	36	---	2.80	<10	<1	1.06	10	1.36	250	<1	0.21	16	780	<2	---	<2	4
98SL330A	135	---	5.92	10	<1	0.12	10	2.13	975	<1	0.01	15	1840	<2	---	<2	11
98SL334	34	---	2.41	<10	<1	0.26	10	0.24	85	1	0.01	8	230	8	---	<2	2
98SL337A	14	---	1.37	<10	<1	0.11	<10	0.05	30	1	0.01	3	20	2	---	<2	<1
98SL337B	14	---	0.85	<10	<1	0.31	<10	0.09	50	3	0.02	7	140	8	---	<2	1
98SL337C	15	---	3.11	<10	<1	0.01	10	0.4	205	1	<0.01	4	250	<2	---	<2	1
98SL339	19	---	2.50	<10	<1	0.29	<10	0.43	205	1	0.01	8	310	8	---	<2	1
98SL349A	42	---	3.61	10	1	1.25	<10	1.6	765	<1	0.27	53	390	<2	---	<2	7
98SL349B	4	---	0.84	<10	<1	0.30	10	0.14	80	9	0.04	4	100	14	---	16	1
98SL349C	43	---	6.68	10	<1	0.07	<10	2.24	1470	<1	0.03	1	700	20	---	<2	2
98SL349D	18	---	1.80	<10	<1	0.19	<10	0.32	110	5	0.04	4	2570	16	---	14	1
98SL350	29	---	2.04	<10	<1	0.19	<10	0.38	235	1	0.33	35	310	14	---	4	4
98SL351B	16	---	1.33	<10	<1	0.01	<10	0.03	195	1	<0.01	5	150	4	---	<2	<1
98SL354A	60	---	4.29	10	<1	1.04	<10	2.89	390	3	0.08	120	280	<2	---	<2	10
98SL355C	190	---	6.38	10	<1	0.06	<10	2.03	730	<1	0.1	40	430	<2	---	<2	11
98SL356A	53	---	2.53	<10	<1	0.23	10	0.24	155	3	0.04	7	330	6	---	2	4
98SL356B	295	---	9.66	10	<1	0.01	<10	2.54	1625	<1	0.04	61	800	<2	---	<2	28
98SL357B	30	---	5.03	<10	<1	0.25	10	0.72	925	1	0.03	11	230	2	---	<2	4
98SL368C	30	---	3.00	<10	<1	0.23	<10	0.79	225	<1	0.04	9	110	<2	---	<2	5
98SL369A	46	---	5.85	<10	<1	0.24	<10	1.44	480	<1	0.07	13	330	<2	---	<2	5
98SL369B	29	---	5.94	10	<1	0.08	10	4.38	645	<1	0.12	85	990	<2	---	<2	14
98SL384B	186	---	5.30	10	<1	0.15	<10	2.4	1515	<1	0.01	73	2220	<2	---	<2	13
98SL386	55	---	4.90	<10	<1	0.21	<10	1.2	1075	<1	0.01	14	550	2	---	<2	5
98SL387	96	---	4.72	10	<1	0.03	<10	3.58	930	<1	<0.01	72	680	<2	---	<2	15
98SL400	8	---	3.71	<10	<1	0.04	10	1.07	330	<1	0.06	4	1050	<2	---	<2	10
98SL401	10	---	3.71	10	<1	0.04	10	1.66	425	<1	0.04	5	1060	<2	---	2	11
98SL402B	6	---	3.46	<10	<1	0.06	10	1.68	365	<1	0.06	4	980	<2	---	<2	11
98SL402C	46	---	3.04	<10	<1	0.01	<10	1.6	390	<1	0.07	23	320	<2	---	<2	1
98SL405	24	---	3.90	10	<1	0.04	10	1.52	675	<1	0.06	6	1120	<2	---	<2	9
98SL406	17	---	2.02	<10	<1	0.17	10	0.64	595	<1	0.05	5	1050	4	---	<2	6

Sample ID	Sr	Ti	Ti	U	V	W	Zn	Zn	Field description
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	ICP-AES	AAS	
	1	0.01	10	10	1	10	2	0.01	
	10000	5	10000	10000	10000	10000	10000	100	
98SL324C	38	<.01	<10	<10	63	<10	58	---	lt green to dk red chert in redbeds
98SL325A	20	0.02	<10	<10	96	<10	130	---	felsic tuff
98SL325B	366	0.01	<10	<10	49	<10	16	---	green to gray limestone w/sulfides
98SL328A	37	<.01	<10	<10	56	<10	72	---	black shale
98SL328B	873	<.01	<10	<10	23	<10	6	---	alt'd redbed conglm-matrix supported,qtz veins w/micas-sulfides?
98SL329A	69	0.2	<10	<10	89	<10	58	---	equigranular biot. qtz diorite
98SL330A	69	0.33	<10	<10	234	<10	98	---	"Ugly Tuff" w/sulfides
98SL334	8	<.01	<10	<10	25	<10	32	---	black phyllite and shale
98SL337A	8	<.01	<10	<10	19	<10	6	---	dk gray fractured chert
98SL337B	26	<.01	<10	<10	32	<10	14	---	black phyllite and shale
98SL337C	25	<.01	<10	<10	45	<10	22	---	qtz veins
98SL339	17	<.01	<10	<10	16	<10	42	---	dk gray chert
98SL349A	139	0.13	<10	<10	152	<10	110	---	cherty arg
98SL349B	40	<.01	<10	<10	95	<10	8	---	argillite w/green alteration
98SL349C	369	0.01	<10	<10	97	<10	46	---	white gossanous vein
98SL349D	188	<.01	<10	<10	84	<10	26	---	qtz veins
98SL350	151	0.1	<10	<10	69	<10	36	---	banded chert w/sulfides
98SL351B	7	<.01	<10	<10	6	<10	16	---	Fe stained qtz vein
98SL354A	54	0.09	<10	<10	161	<10	128	---	Fe stained blue/gray chert
98SL355C	50	0.47	<10	<10	179	<10	86	---	andesite/basaltic dike
98SL356A	14	<.01	<10	<10	29	<10	42	---	dk gray/blue chert w/sulfides
98SL356B	9	0.01	<10	<10	394	<10	152	---	sulfide veins
98SL357B	27	0.01	<10	<10	32	<10	98	---	Fe-Mn-stained cherty rock
98SL368C	15	<.01	<10	<10	47	<10	60	---	volcanic conglm
98SL369A	30	0.01	<10	<10	64	<10	100	---	blue/black siliceous argillite
98SL369B	89	0.01	<10	<10	143	<10	96	---	monzodiorite dike
98SL384B	146	0.49	<10	<10	124	<10	146	---	gray/green rock w/calcite
98SL386	17	0.26	<10	<10	41	<10	96	---	"bad" Ugly Tuff
98SL387	59	0.23	<10	<10	162	<10	74	---	gabbroic dike
98SL400	58	0.2	<10	<10	75	<10	86	---	grnt amphibole metatuff
98SL401	103	0.11	<10	<10	85	<10	82	---	grnt amphibole metatuff
98SL402B	45	<.01	<10	<10	88	<10	96	---	grnt,hnbld,biot,rhyodacite tuff,red layered,more silicic
98SL402C	20	0.14	<10	<10	60	<10	44	---	lt gray, cg, pyroxenite?
98SL405	99	0.17	<10	<10	80	<10	96	---	grnt,hnbld,biot meta-rhyodacite tuff
98SL406	93	<.01	<10	<10	34	<10	74	---	felsic dike +/- sulfides

Table 3: 1997 Major Oxide Data, Chulitna Project, Healy A-6 quadrangle and nearby areas*															
Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
97AM 226A	63.17146	-149.52400	15.46	5.55	<.01	8.16	2.58	4.41	0.13	2.35	0.47	53.29	1.52	4.72	98.64
97AM 243A	63.03560	-149.99001	11.38	9.13	0.32	9.43	0.94	13.69	0.14	1.45	0.12	48.22	0.48	3.83	99.13
97BT 249	63.20869	-149.71649	12.59	6.97	0.02	6.79	1.13	5.94	0.12	2.76	0.35	51.70	0.80	8.90	98.07
97BT 254A	63.20542	-149.75889	14.96	1.66	<.01	2.29	4.02	0.28	0.05	3.99	0.07	68.30	0.21	2.90	98.73
97BT 254B	63.20542	-149.75889	14.60	1.04	<.01	1.40	4.05	0.10	0.06	3.43	0.03	72.08	0.04	2.34	99.17
97BT 259	63.19712	-149.80928	16.00	5.08	<.01	15.05	0.43	4.40	0.15	4.44	0.25	43.87	4.30	4.36	98.33
97BT 270B	63.14528	-149.96568	15.94	2.88	<.01	4.30	3.55	1.19	0.08	3.38	0.21	66.18	0.57	0.84	99.12
97CH 005	63.18168	-149.64807	15.30	2.31	<.01	3.38	4.24	0.60	0.09	3.32	0.15	66.74	0.39	3.33	99.85
97CH 007	63.19351	-149.65678	14.54	6.17	<.01	8.82	2.24	5.66	0.16	2.30	0.45	51.34	1.49	5.30	98.47
97HA 031	63.17147	-149.60911	12.96	7.44	<.01	7.37	3.09	5.70	0.16	1.83	0.33	52.99	0.85	5.76	98.48
97HA 053	63.00532	-149.84336	0.84	0.15	0.27	8.49	0.04	41.68	0.15	0.15	<.01	35.95	0.01	12.01	99.74
97HA 067	63.07700	-149.72632	13.22	3.69	<.01	5.35	3.19	1.67	0.28	1.68	0.21	66.35	0.66	2.40	98.70
97HA 073	63.01883	-149.86584	12.28	2.31	<.01	5.68	0.68	1.49	0.17	3.96	0.15	69.56	0.60	2.06	98.94
97HA 074	63.01383	-149.87211	13.59	3.08	<.01	4.13	0.97	1.19	0.17	4.36	0.13	69.89	0.44	1.93	99.88
97KC 208	63.12414	-149.78624	13.40	7.07	<.01	14.74	0.20	3.76	0.20	4.21	0.50	48.49	3.18	3.19	98.94
97KC 212	63.12777	-149.78563	15.16	8.26	0.01	14.24	0.72	4.95	0.19	3.67	0.34	46.87	2.76	2.35	99.52
97KC 216	63.06895	-149.84896	13.25	10.45	0.01	7.02	0.08	6.22	0.10	5.26	0.09	45.14	0.60	10.61	98.83
97KC 219	63.06567	-149.84268	14.00	2.05	<.01	11.38	0.08	4.15	0.16	5.54	0.20	55.41	1.50	3.46	97.93
97KC 220	63.06044	-149.83549	12.75	7.75	<.01	16.08	0.33	3.91	0.26	3.14	0.74	48.44	2.71	3.02	99.13
97KC 223	62.99280	-149.86114	13.86	9.04	0.01	13.35	0.35	6.83	0.14	2.01	0.38	44.47	3.16	4.61	98.21
97KC 233	63.11326	-149.62132	25.93	1.66	<.01	4.28	2.70	1.14	0.07	2.30	0.26	54.12	0.49	5.20	98.15
97KC 246	63.16910	-149.63665	13.86	1.96	<.01	2.93	2.05	0.74	0.05	3.58	0.12	69.37	0.40	3.06	98.12
97KC 252	63.19402	-149.61690	13.50	6.75	<.01	7.44	3.36	5.15	0.17	2.22	0.45	54.75	0.91	5.30	100.00
97KC 253	63.19299	-149.61787	15.99	6.79	<.01	8.16	0.69	6.66	0.16	5.22	0.25	50.74	0.93	4.05	99.64
97KC 255	63.19169	-149.60871	13.48	7.51	<.01	9.49	3.60	6.49	0.17	2.46	0.64	50.14	1.30	3.31	98.59
97KC 257	63.16679	-149.54722	15.05	1.47	<.01	8.47	3.08	6.01	0.09	0.88	0.51	53.91	1.20	7.66	98.33
97KC 260	63.11305	-149.76135	16.31	3.13	<.01	7.42	1.67	2.31	0.20	5.49	0.26	57.56	0.84	2.87	98.06
97KC 262	63.19291	-149.60885	14.98	5.60	<.01	7.74	2.71	4.32	0.17	2.85	0.42	57.04	0.86	2.09	98.78
97KC 276	63.07556	-149.95638	13.81	1.33	<.01	2.41	2.64	0.11	0.04	3.95	0.06	71.09	0.17	2.94	98.55
97KC 277	63.07423	-149.95471	14.56	0.89	<.01	1.45	3.91	0.05	0.04	3.67	0.04	71.98	0.04	2.26	98.89
97KC 278	63.07423	-149.95471	12.66	5.83	0.02	7.47	3.18	8.01	0.18	2.07	0.42	52.94	0.94	4.79	98.51
97KC 281	63.07137	-149.95671	12.23	8.50	0.04	9.27	3.14	9.49	0.17	1.58	0.48	50.03	1.08	2.74	98.75
97KC 292	63.03152	-149.87288	12.22	1.25	0.06	17.89	0.25	7.11	0.17	0.09	0.05	52.27	0.86	6.73	98.95
97KC 293	63.03490	-149.90417	13.61	5.73	0.01	6.89	1.55	7.18	0.11	3.11	0.46	51.28	1.05	7.87	98.85
97KC 296	63.03976	-150.00111	13.75	5.55	<.01	6.15	2.69	3.35	0.14	2.68	0.38	54.06	0.66	9.52	98.93
97KC 298	63.04235	-150.00132	15.02	5.58	<.01	7.31	1.69	3.54	0.14	3.03	0.30	53.01	0.96	8.24	98.82
97KC 301	63.04202	-149.99983	13.68	6.10	<.01	9.20	0.94	6.35	0.14	3.65	0.41	54.30	1.31	2.43	98.51

Sample ID	Ba ppm XRF	Ce ppm XRF	Nb ppm XRF	Rb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
97AM 226A	2235	84	27	63	551	31	276	px diorite dike
97AM 243A	456	20	23	16	204	9	45	green basalt, cpx phenos
97BT 249	817	50	12	19	1101	18	135	biotite dacite
97BT 254A	1477	51	26	122	383	5	140	
97BT 254B	800	16	22	139	158	4	46	porphyry aphanitic Qtz feldspar w/mafic minerals
97BT 259	244	26	19	7	180	34	163	vfg massive basalt
97BT 270B	1382	64	19	109	476	20	195	mg, phaneritic bt granite
97CH 005	1481	47	30	103	453	13	197	
97CH 007	1095	71	25	49	611	33	247	Qtz? gabbro or diorite
97HA 031	1835	38	11	47	703	19	108	monzodiorite dike, possible tourmaline
97HA 053	4	7	3	1	6	0	0	blk fg xline mafic dike
97HA 067	2421	18	6	53	225	29	110	massive grn sil mudstone or tuff?
97HA 073	298	25	5	9	214	23	89	dk grey-grn grey ugly tuff
97HA 074	485	25	6	18	232	20	165	banded tuff
97KC 208	45	28	27	5	132	50	198	gabbro
97KC 212	219	30	22	17	509	39	142	basalt w/in red bed unit
97KC 216	30	1	5	1	73	14	29	greenstone and/or cg mafic dike?
97KC 219	27	8	6	1	40	30	84	gabbro
97KC 220	1189	67	23	7	341	53	189	andesite/basalt w/trace cpy
97KC 223	1326	94	26	105	283	50	338	lamp dike
97KC 233	621	43	33	6	304	35	197	fg ly grn mafic dike
97KC 246	454	31	22	59	276	13	135	brecciated hfls
97KC 252	1767	46	16	71	808	21	134	blk aphanitic bt-hnbl-bearing rock, monzodio?
97KC 253	313	24	11	9	301	17	121	hnbl dike?
97KC 255	1997	57	17	66	970	22	145	equigran fg bt monzonite? dike
97KC 257	2934	89	20	76	157	28	259	grnstone pod or dike
97KC 260	864	33	7	24	150	31	124	volcaniclastic
97KC 262	1779	41	14	54	825	21	145	hbl bt monzodiorite porphyry
97KC 276	745	65	26	67	219	3	152	dacite? porphyry
97KC 277	653	28	22	128	140	4	52	mg felsic dike
97KC 278	1896	44	13	90	642	22	126	alt'd Qtz diorite
97KC 281	1734	46	10	70	613	24	142	bt Qtz diorite?
97KC 292	293	29	12	5	20	19	105	greenstone dike in fg red volcaniclastic
97KC 293	817	79	25	22	921	21	171	alt'd gabbro? dike
97KC 296	1834	53	14	70	1034	23	143	alt'd felsic dike
97KC 298	1837	63	14	71	1038	22	142	grey grn aphanitic dike
97KC 301	1149	55	17	14	1036	26	154	hbl Qtz diorite? porphyry

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
97KC 304	63.01847	-149.96934	15.41	3.95	< 01	7.32	2.18	4.88	0.11	3.89	0.42	53.91	1.27	4.82	98.16
97KC 306	63.01757	-149.95925	15.29	6.69	< 01	8.08	0.94	5.25	0.15	3.17	0.27	50.29	1.09	6.85	98.07
97KC 312	63.18167	-149.71886	13.58	5.75	< 01	6.20	3.18	4.82	0.12	2.59	0.33	55.18	0.77	7.47	99.99
97KC 316	63.17804	-149.71328	15.80	4.06	< 01	5.46	2.79	3.22	0.12	3.49	0.27	59.58	0.68	2.70	98.17
97KC 318C	63.12476	-149.56485	15.42	3.70	< 01	13.79	0.28	5.67	0.17	5.33	0.23	49.14	1.44	4.23	99.40
97KC 318U	63.12476	-149.56485	15.50	3.34	< 01	12.89	0.25	5.24	0.16	5.65	0.21	49.47	1.54	4.43	98.68
97KC 328	63.21004	-149.66775	15.40	4.12	< 01	5.09	3.17	3.12	0.12	3.26	0.25	59.91	0.63	3.32	98.39
97KC 329	63.21170	-149.66797	14.67	4.87	0.01	6.05	2.85	4.54	0.13	2.76	0.27	57.85	0.73	3.66	98.39
97KC 332	63.04558	-149.57529	12.76	5.20	< 01	14.63	0.45	5.47	0.15	4.09	0.45	46.30	4.02	6.32	99.84
97KC 334	63.00743	-149.96611	16.00	7.45	< 01	8.79	0.72	4.99	0.13	2.73	0.36	51.36	1.42	5.35	99.30
97KC 335B	63.17937	-149.73722	13.09	6.67	< 01	11.91	0.08	5.07	0.19	3.39	0.28	45.61	3.78	9.14	99.21
97KC 337A	63.12056	-149.79271	14.98	2.85	0.01	9.41	0.85	4.97	0.11	4.11	0.25	55.61	0.90	6.00	100.05
97KC 337C	63.12056	-149.79271	12.98	6.58	< 01	15.90	0.08	5.74	0.18	3.41	0.24	42.84	3.70	7.31	98.96
97KC 339	63.08897	-149.93089	14.61	0.84	< 01	1.42	3.98	0.34	0.02	3.56	0.03	71.12	0.15	2.23	98.30
97KC 340	63.08786	-149.92328	15.14	5.19	< 01	7.16	2.34	4.50	0.12	3.30	0.44	53.05	1.23	5.91	98.38
97KC 347	63.03279	-149.46592	13.51	1.41	< 01	3.06	3.86	0.60	0.08	3.42	0.08	72.07	0.32	1.26	99.67
97KC 356	63.24734	-149.48284	16.56	4.52	< 01	6.12	2.12	2.37	0.05	3.15	0.24	62.00	0.76	0.74	98.63
97KC 357	63.07423	-149.9547	17.13	3.36	< 01	1.30	3.06	0.44	0.03	4.41	0.18	63.65	0.30	4.32	98.18
97RB 169	63.20112	-149.70148	12.60	6.61	0.02	7.46	2.82	6.39	0.13	1.91	0.41	52.09	0.88	8.51	99.83
97RN 300A	63.16986	-149.67464	14.00	2.85	< 01	5.64	4.72	3.42	0.18	1.55	0.11	63.00	0.44	2.76	98.67
97RN 304	63.17215	-149.68086	12.01	11.99	0.01	6.82	0.69	6.90	0.14	3.41	0.32	41.15	0.92	15.21	99.57
97RN 307	63.18203	-149.65910	12.71	3.94	< 01	5.52	2.82	2.67	0.15	1.12	0.10	64.80	0.49	5.01	99.33
97RN 312A	63.15943	-149.68709	12.69	18.29	< 01	4.75	0.06	0.29	0.13	3.15	0.10	51.60	0.44	7.28	98.78
97RN 314	63.13482	-149.81972	14.37	5.39	< 01	4.94	2.30	3.58	0.13	3.46	0.35	56.17	0.72	7.86	99.27
97RN 317A	63.15733	-149.77875	15.14	3.90	0.01	6.63	0.34	2.46	0.09	5.73	0.24	58.75	0.77	4.64	98.70
97RN 318C	63.08293	-149.85092	14.70	8.26	< 01	10.72	0.09	7.83	0.18	3.58	0.08	48.52	0.85	4.80	99.61
97RN 319	63.08494	-149.84506	15.99	10.48	0.07	4.29	0.45	9.43	0.09	3.33	0.01	52.14	0.18	3.06	99.52
97RN 321B	63.07910	-149.83995	15.06	9.94	< 01	5.76	3.71	5.81	0.16	2.77	0.15	44.01	0.71	10.95	99.03
97RN 323	63.07497	-149.83521	10.28	11.44	0.07	6.45	0.91	7.94	0.12	3.73	0.20	52.25	0.47	5.02	98.88
97RN 325B	63.07137	-149.82884	14.57	8.68	0.05	8.33	2.06	8.77	0.19	2.54	0.26	49.87	1.22	2.25	98.79
97RN 325D	62.99428	-149.85822	14.18	0.39	< 01	1.13	3.99	0.06	0.05	4.02	0.12	73.34	0.02	1.12	98.42
97RN 326B	62.99254	-149.86146	14.33	7.30	< 01	16.28	0.20	4.95	0.19	2.81	0.35	43.55	3.31	4.91	98.18
97RN 327F	63.18178	-149.91769	15.60	0.32	< 01	0.71	3.84	< 01	0.20	5.00	0.12	71.58	0.03	0.59	97.99
97RN 327G	63.18178	-149.91769	14.89	0.28	< 01	0.96	4.43	< 01	0.04	3.98	0.08	74.31	0.03	0.50	99.50
97RN 328B	63.21082	-149.57376	15.18	2.31	< 01	2.97	3.08	0.69	0.08	3.81	0.18	66.98	0.39	3.51	99.18
97RN 329B	63.21216	-149.57225	12.25	0.10	< 01	1.05	4.18	0.55	0.03	0.56	0.04	78.77	0.13	1.93	99.59
97RN 329C	63.21216	-149.57225	13.43	0.13	< 01	1.46	6.74	0.12	0.12	0.20	< 01	75.90	0.05	1.78	99.93
97RN 330A	63.25814	-149.55299	13.81	13.78	< 01	8.30	0.80	3.19	0.29	3.62	0.26	53.08	0.73	1.45	99.31
97RN 332A	63.18099	-149.91818	15.45	6.33	< 01	3.00	3.66	3.42	0.06	3.26	0.26	61.10	0.73	0.98	98.25

Sample ID	Ba ppm XRF	Ce ppm XRF	Nb ppm XRF	Rb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
97KC 304	1379	80	25	41	649	21	229	qtz diorite? dike
97KC 306	661	34	11	18	516	20	133	grey-grn pyritic aphanitic rock
97KC 312	1730	38	12	64	714	20	121	grey monzodior? porph
97KC 316	1858	42	12	64	715	15	156	hbl? monzodior?
97KC 318C	409	26	5	5	324	27	77	greenstone
97KC 318U	343	19	5	3	309	26	79	
97KC 328	1925	50	14	76	745	17	169	bt monzodiorite porphyry dike
97KC 329	1680	50	14	63	667	17	149	bt monzodiorite porphyry dike
97KC 332	146	28	23	5	400	34	189	lt tan wx fg mafic dike w/dissemin py
97KC 334	903	40	13	18	507	29	149	red beds
97KC 335B	321	25	20	2	304	33	177	alt'd gabbro dike
97KC 337A	151	18	8	25	239	19	67	red sandy siltstone, arg, arg w/volc? structures, grnstone
97KC 337C	71	20	19	2	157	40	159	
97KC 339	1079	22	20	129	84	5	50	tan pyritic qtz porph dike
97KC 340	returned							dk grey bt qtz diorite? porph
97KC 347	813	53	16	128	137	37	151	bt granite
97KC 356	1489	50	11	80	552	19	155	aphanitic dacite?
97KC 357	933	12	23	14	692	41	190	
97RB 169	1524	45	11	53	670	21	113	argillaceous coral wackestone
97RN 300A	1899	6	3	71	698	19	69	massive grnstone
97RN 304	218	26	12	12	262	12	77	serpentinite
97RN 307	2103	2	5	51	135	22	103	
97RN 312A	14	11	7	0	1133	27	69	bt qtz porphyry dike-rhy?
97RN 314	118	8	9	34	349	19	70	
97RN 317A	115	28	7	6	346	21	68	Cu-stained congl
97RN 318C	28	1	5	2	171	16	29	fg gb-diabase
97RN 319	33	1	3	6	257	7	24	cg gabbro
97RN 321B	1477	8	6	61	201	22	48	grnstone-vesicular basalt?
97RN 323	545	2	4	12	291	10	32	vesicular, ignimbritic tuff
97RN 325B	793	52	14	353	417	25	126	
97RN 325D	48	1	23	289	20	17	32	granite
97RN 326B	41	14	22	7	207	39	159	diabase dike
97RN 327F	1	1	39	777	3	26	21	albite granite
97RN 327G	3	6	39	523	4	23	16	four granite
97RN 328B	1181	39	21	94	457	11	157	flow-banded rhy
97RN 329B	995	37	15	168	48	13	90	granite, aphanitic groundmass
97RN 329C	752	10	25	198	98	13	67	vfg rhy, no phenocrysts
97RN 330A	282	44	15	16	579	16	130	fg pale grn tuff
97RN 332A	2499	52	14	54	737	18	166	Tert diorite? porphyry dike

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
97RN 333	63.24819	-149.49012	14.59	0.96	<.01	1.47	5.05	0.12	0.05	3.32	0.04	71.46	0.16	2.07	99.29
97RN 334	63.24503	-149.47677	15.09	0.36	<.01	2.14	4.82	0.31	0.02	2.73	0.09	70.96	0.25	2.56	99.33
97RN 336	63.19031	-149.62808	14.20	6.62	<.01	8.71	2.59	6.10	0.15	3.01	0.46	51.90	1.36	3.92	99.02
97RN 337	63.21326	-149.65211	16.81	5.92	<.01	8.58	0.99	8.24	0.11	3.47	0.09	49.69	0.76	4.92	99.58
97RN 339A	63.21483	-149.64616	12.54	3.08	<.01	8.54	2.64	1.66	0.06	0.10	0.22	59.14	0.70	10.29	98.97
97RN 339B	63.21483	-149.64616	15.18	3.85	<.01	4.98	3.82	2.67	0.07	2.98	0.21	62.53	0.66	1.95	98.90
97RN 339E	63.21483	-149.64616	13.89	5.32	<.01	4.96	3.27	2.32	0.11	2.82	0.22	60.26	0.63	5.60	99.40
97RN 340	63.21702	-149.65181	16.47	8.71	<.01	9.15	0.23	5.82	0.16	4.12	0.14	42.76	0.80	10.89	99.25
97RN 348C	63.18445	-149.92124	11.09	1.51	<.01	5.40	1.47	2.79	0.06	1.92	0.19	70.36	0.70	3.61	99.10
97RN 349	63.18310	-149.91937	13.36	0.46	<.01	1.42	4.61	0.14	0.08	3.18	0.07	74.98	0.09	0.81	99.20
97RN 352	63.20486	-149.64655	16.98	5.76	<.01	8.96	1.08	1.98	0.15	3.97	0.20	52.30	0.90	6.85	99.13
97RN 354	63.20444	-149.64171	10.15	1.49	<.01	7.05	1.04	4.89	0.10	1.25	0.13	67.35	0.45	5.43	99.33
97RN 360	63.19948	-149.64329	11.15	19.34	<.01	6.11	0.99	2.93	0.17	2.90	0.18	41.67	0.59	13.47	99.50
97RN 361C	63.22694	-149.57267	14.90	6.88	<.01	8.59	0.75	5.24	0.17	3.95	0.51	48.66	1.36	8.04	99.05
97RN 362B	63.22249	-149.57361	18.43	2.78	<.01	5.14	2.78	2.13	0.14	4.93	0.29	58.32	0.76	3.57	99.27
97RN 365C	63.22119	-149.56268	6.25	0.32	<.01	2.11	1.22	0.85	0.04	0.44	0.07	86.21	0.29	1.29	99.09
97RN 370A	63.20955	-149.57862	10.71	4.53	0.09	11.77	0.19	10.07	0.41	0.32	0.40	50.32	0.83	8.71	98.35
97RN 370B	63.20955	-149.57862	15.73	5.74	<.01	4.21	0.80	1.99	0.05	3.24	0.26	58.25	0.76	7.71	98.74
97RN 376D	63.19906	-149.64425	14.89	2.10	<.01	4.16	3.75	1.66	0.03	0.62	0.10	68.19	0.68	2.76	98.94
97RN 377K	63.19906	-149.64425	15.26	2.53	<.01	2.50	3.99	0.61	0.03	3.25	0.11	68.94	0.36	2.02	99.60
97RN 379E	63.21380	-149.64942	15.09	4.10	<.01	4.44	3.77	2.74	0.07	2.83	0.22	63.22	0.66	1.57	98.71
97RN 387A	63.05726	-149.89240	14.26	7.64	0.01	8.41	0.51	7.01	0.13	3.30	0.40	49.51	1.19	6.82	99.19
97RN 392A	63.04757	-149.87955	17.57	2.65	<.01	6.80	1.45	3.35	0.14	6.48	0.24	56.87	0.79	2.85	99.19
97RN 398	63.13086	-149.75179	13.23	7.21	<.01	7.36	0.48	7.20	0.13	4.13	0.14	49.70	0.63	7.98	98.19
97RN 400C	63.13228	-149.74919	14.81	4.64	0.05	11.94	0.36	7.76	0.13	3.34	0.22	44.62	0.89	9.62	98.38
97RN 404	63.13096	-149.76120	3.07	0.68	<.01	10.04	0.06	1.33	0.44	<.01	0.08	81.43	0.16	2.63	99.92
97RN 405A	63.13145	-149.76384	14.70	5.24	0.04	7.37	1.80	7.79	0.15	5.03	0.20	52.79	0.74	3.17	99.02
97RN 405B	63.13145	-149.76384	19.00	10.55	0.08	3.10	3.62	8.63	0.10	1.19	0.01	47.54	0.10	5.20	99.12
97RN 407C	63.13302	-149.77106	17.05	1.05	<.01	8.91	1.80	5.70	0.12	2.76	0.19	55.52	0.89	5.00	98.99
97RN 407D	63.13302	-149.77106	12.67	7.72	<.01	7.45	0.07	5.81	0.16	3.43	0.39	54.61	0.85	6.71	99.87
97RN 407E	63.13302	-149.77106	15.82	2.13	<.01	17.47	0.08	8.90	0.45	3.13	0.31	39.31	4.48	5.96	98.04
97RN 408B	63.16638	-149.78765	14.48	5.98	0.04	8.39	2.24	7.17	0.11	2.09	0.35	55.42	0.90	1.35	98.52
97RN 409A	63.16510	-149.78515	15.25	5.82	0.02	8.94	0.30	7.19	0.16	4.77	0.44	50.63	1.24	4.32	99.08
97RN 409B	63.16510	-149.78515	17.06	3.55	<.01	9.66	1.08	5.69	0.15	2.85	0.22	52.22	1.00	5.84	99.32
97RN 412	63.15774	-149.78041	14.55	3.95	<.01	16.39	0.14	6.63	0.20	3.86	0.21	43.00	3.88	6.20	99.01
97RN 414A	63.22126	-149.58032	10.33	2.44	<.01	4.61	0.92	2.29	0.08	1.57	0.17	74.02	0.49	1.99	98.91
97RN 415A	63.22092	-149.58443	14.77	3.38	<.01	5.96	3.76	3.55	0.13	4.03	0.33	60.23	0.80	2.23	99.17
97RN 416B	63.21995	-149.59137	9.98	0.46	<.01	4.10	1.26	1.64	0.32	1.13	0.13	77.92	0.40	1.96	99.30
97RN 417A	63.21730	-149.59155	15.32	7.02	<.01	7.71	1.19	8.45	0.10	3.99	0.13	48.97	0.76	5.12	98.76

Sample ID	Ba ppm XRF	Ce ppm XRF	Nb ppm XRF	Rb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
97RN 333	1446	77	23	66	192	29	229	dacite?
97RN 334	973	57	25	133	165	12	173	rhyolite dike
97RN 336	1613	63	22	87	396	43	229	massive grnstone and pale grn tuff
97RN 337	260	1	4	15	609	13	34	oxidized sulfide breccia
97RN 339A	520	52	14	67	126	18	132	dike w/qtz
97RN 339B	1921	54	15	77	695	18	151	porphyritic qtz monzodiorite
97RN 339E	1598	31	14	65	646	17	142	dike
97RN 340	287	1	6	4	671	14	33	vfg gabbro?diabase?
97RN 348C	1202	17	9	47	162	18	151	mafic dike
97RN 349	106	32	16	314	22	43	60	bt granite
97RN 352	458	5	6	14	317	18	46	green-grey tuff
97RN 354	169	4	4	24	87	10	40	
97RN 360	699	8	6	17	359	19	46	alt'd mzd dike and hfls tuff
97RN 361C	416	74	25	23	781	24	201	very alt'd dike? from volcanic flow?
97RN 362B	2121	59	16	45	903	18	180	dike
97RN 365C	1004	7	5	32	53	18	87	vfg tuff? ignimbrite
97RN 370A	101	34	12	9	186	18	100	tuff? or very alt'd dike
97RN 370B	683	34	15	14	585	19	162	weird alteration of monzodiorite?
97RN 376D	1194	16	10	106	200	19	105	least alt'd tuff
97RN 377K	1839	42	20	72	461	12	148	fg ignimbritic tuff
97RN 379E	622	50	15	72	667	19	158	
97RN 387A	1128	50	19	6	1096	21	167	grn tuff
97RN 392A	274	15	7	29	234	17	104	tuff?gabbro?
97RN 398	477	2	4	15	451	12	32	tuff w/volcanic rock clasts, hornblende
97RN 400C	2063	16	6	7	388	16	67	tuff interbedded w/chert
97RN 404	117	21	6	2	16	15	38	red chert, volcanogenic?
97RN 405A	711	10	8	31	479	14	80	xyl tuff/andesite
97RN 405B	1495	0	3	103	351	4	1	alt'd gabbro
97RN 407C	414	1	9	51	161	14	82	red/maroon amygduloidal tuff? basaltic?
97RN 407D	226	34	12	1	761	21	118	sill
97RN 407E	195	14	23	2	221	46	189	basaltic sill
97RN 408B	1247	36	12	67	672	26	121	qtz monzodiorite
97RN 409A	402	70	23	4	920	23	177	basaltic sill?
97RN 409B	454	10	9	31	535	20	80	andesitic? amygdoidal flow-possibly tuff
97RN 412	265	15	16	3	682	37	140	Nikolai-type basalt
97RN 414A	239	24	9	35	185	16	152	vfg bt monzodiorite dike??
97RN 415A	2586	36	13	67	629	20	134	qtz monzodiorite dike
97RN 416B	1027	36	7	41	215	22	104	pale grn cherty? tuff
97RN 417A	183	9	4	14	268	18	38	greenstone

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
97RN 421	63.20775	-149.58373	13.42	1.32	<0.1	1.69	3.71	0.20	0.09	2.91	0.05	74.07	0.17	2.23	99.86
97RN 422A	63.14566	-149.76760	14.79	6.35	<0.1	7.86	0.52	5.93	0.15	3.83	0.49	50.55	1.27	8.02	99.76
97RN 427	63.13641	-149.77301	13.28	2.38	<0.1	1.60	2.43	0.30	0.04	2.86	0.03	72.70	0.14	3.73	99.49
97RN 434A	63.13179	-149.81185	11.27	6.77	<0.1	16.69	0.33	3.08	0.25	4.13	0.79	50.61	3.29	1.66	98.87
97RN 438	63.14142	-149.80819	12.41	9.47	<0.1	17.62	0.43	6.21	0.22	1.91	0.24	43.64	4.60	1.79	98.54
97RN 439A	63.10716	-149.95659	14.58	1.43	<0.1	2.63	0.15	1.53	0.07	7.30	0.30	67.33	1.16	1.49	97.97
97RN 439C	63.10716	-149.95659	10.97	0.61	<0.1	8.55	0.06	4.34	0.16	3.02	0.16	67.99	0.83	3.33	100.02
97RN 442	63.10525	-149.95752	16.92	2.93	<0.1	9.01	0.11	1.88	0.09	8.26	0.20	55.99	1.05	2.34	98.78
97RN 445	63.08351	-149.85747	14.10	5.34	<0.1	12.82	0.37	7.24	0.12	4.34	0.53	48.10	2.28	3.86	99.10
97RN 448A	63.08698	-149.85971	15.55	7.26	<0.1	8.59	0.30	3.49	0.17	3.24	0.49	53.39	1.69	5.04	99.21
97RN 459A	63.19036	-149.58259	13.87	7.67	<0.1	7.34	2.52	3.85	0.17	2.25	0.39	53.22	0.97	7.16	99.41
97RN 459C	63.19036	-149.58259	13.91	5.32	<0.1	6.93	3.12	5.77	0.15	3.10	0.31	54.14	0.80	4.82	98.37
97RN 462B	63.20212	-149.58389	14.08	5.44	<0.1	6.70	1.88	4.68	0.14	2.65	0.50	56.14	0.85	5.45	98.51
97RN 470A	drill core GZ area		17.46	1.67	<0.1	3.23	0.42	1.00	0.06	0.01	0.28	63.30	0.78	9.59	97.80
97RN 470C	drill core GZ area		17.54	1.77	<0.1	3.58	0.49	0.99	0.05	<0.1	0.27	61.24	0.81	12.04	98.78
97RN 477B	63.20022	-149.68509	15.62	4.56	<0.1	5.77	2.72	3.26	0.12	3.11	0.31	59.86	0.81	3.41	99.55
97RN 480A	63.24979	-149.56376	14.94	6.84	<0.1	8.65	1.25	7.02	0.16	4.18	0.22	48.63	0.67	6.98	99.54
97RN 483	63.24616	-149.56384	14.23	5.06	<0.1	7.60	3.37	5.18	0.14	3.41	0.44	55.21	1.08	2.77	98.49
97RN 485C	63.19070	-149.70367	15.17	5.05	<0.1	6.59	2.73	5.25	0.13	2.53	0.31	57.57	0.88	3.47	99.68
97RN 489B	63.19813	-149.73542	13.28	4.76	<0.1	5.92	3.33	4.90	0.10	3.22	0.33	55.29	0.74	6.37	98.24
97RN 490A	63.18809	-149.75503	13.83	8.86	<0.1	15.93	0.16	6.05	0.17	2.13	0.16	44.29	3.21	3.39	98.18
97RN 491	63.18775	-149.76500	13.08	12.54	<0.1	16.07	0.64	4.06	0.14	2.78	0.15	34.35	3.16	12.90	99.87
97RN 493A	63.12668	-149.89958	14.86	6.03	<0.1	15.62	0.47	3.74	0.13	3.65	0.34	44.53	4.99	5.33	99.69
97RN 493B	63.12668	-149.89958	14.40	6.85	<0.1	15.15	0.16	4.85	0.19	3.72	0.35	44.20	3.70	5.55	99.12
97RN 493F	63.12668	-149.89958	15.42	0.83	<0.1	2.02	2.28	0.46	0.02	4.23	0.12	70.92	0.30	2.60	99.20
97RN 495C	63.11967	-149.86419	12.25	6.50	0.04	7.83	3.11	8.85	0.14	2.01	0.45	52.62	0.97	3.93	98.70
97RN 496B	63.11811	-149.85691	13.62	5.04	<0.1	6.46	3.96	5.31	0.13	3.07	0.40	56.21	0.85	3.51	98.56
97RN 502A	63.13751	-149.73743	16.16	3.15	<0.1	4.57	2.17	5.09	0.10	6.09	0.22	59.17	0.61	1.97	99.30
97RN 506B	63.03015	-149.45372	12.65	0.43	<0.1	1.05	4.80	0.07	0.03	3.30	<0.1	75.54	0.05	0.49	98.41
97RN 507A	63.01600	-149.48961	13.77	1.32	<0.1	2.49	4.27	0.34	0.06	3.54	0.06	72.81	0.24	0.67	99.57
97RN 507B	63.01600	-149.48961	12.60	7.87	<0.1	15.19	2.55	3.55	0.25	1.22	1.63	43.06	3.29	6.87	98.08
97RN 508A	63.01636	-149.49223	15.19	9.05	<0.1	13.56	0.68	6.13	0.20	2.31	0.67	44.60	2.47	4.02	98.88
97RR 136B	63.07842	-149.87701	14.90	6.63	0.04	9.63	0.53	6.90	0.16	4.03	0.50	47.81	1.41	5.27	97.81
97RR 146B	63.14662	-149.69972	12.29	1.54	<0.1	2.71	4.60	0.68	0.04	1.96	0.07	70.61	0.27	3.80	98.57
97RR 155A	63.13365	-149.77175	13.14	7.26	0.01	7.49	0.29	6.06	0.16	3.10	0.41	52.69	0.93	7.50	99.04
97RR 167B	63.08791	-149.98506	10.07	3.72	<0.1	3.42	1.57	2.45	0.09	2.21	0.25	40.18	0.49	35.49	99.94
97SH 124	63.20542	-149.70827	13.65	4.60	<0.1	15.38	0.82	5.06	0.16	4.25	0.29	44.71	4.56	4.82	98.30
97SH 125	63.20763	-149.70200	13.90	4.95	<0.1	16.72	0.78	4.46	0.19	3.78	0.28	44.35	4.44	5.23	99.08
97SL 315	63.16774	-149.57610	14.73	6.84	<0.1	9.16	2.28	5.61	0.17	3.20	0.74	49.87	1.94	3.98	98.52

Sample ID	Ba ppm XRF	Ce ppm XRF	Nb ppm XRF	Rb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
97RN 421	1221	38	20	91	256	11	103	alt'd Tgr dike
97RN 422A	1211	61	24	11	1057	20	187	lt grn xyl-lithic tuff
97RN 427	212	43	25	76	296	29	155	banded rhyolite tuff?
97RN 434A	136	63	38	6	289	81	354	mg diabase sill, hbl-plag
97RN 438	187	19	16	9	377	27	104	gabbro
97RN 439A	90	39	15	2	262	29	158	basaltic?
97RN 439C	40	25	16	1	92	22	152	basaltic?
97RN 442	104	14	16	1	326	17	137	purplish dacite?
97RN 445	170	40	29	9	497	39	211	clastic, red chert-bearing wacke?
97RN 448A	360	70	23	1	1012	35	205	grn basaltic? xyl-lithic tuff
97RN 459A	2129	25	15	42	669	20	120	ugly tuff
97RN 459C	1597	47	16	56	667	18	144	tuff or very alt'd dike
97RN 462B	774	46	14	41	668	20	133	gnarly argillite
97RN 470A	80	47	15	13	38	15	170	very alt'd BLT dike
97RN 470C	79	52	15	18	38	16	171	
97RN 477B	2024	50	14	67	823	19	166	unalt'd bt qtz monzodiorite dike
97RN 480A	287	1	5	16	418	16	40	Dev xyl-lithic tuff
97RN 483	1671	54	14	65	621	27	151	hbl monzodiorite dike
97RN 485C	1607	36	14	48	640	40	160	hbl monzodiorite dike
97RN 489B	1604	52	12	52	1086	19	152	hbl dike
97RN 490A	121	2	14	3	463	35	119	massive magnetic basalt
97RN 491	289	1	15	12	986	33	122	
97RN 493A	117	27	26	11	149	37	213	amygd basaltic flow or tuff?
97RN 493B	208	9	25	3	540	40	176	massive vfg diabase sill?
97RN 493F	510	40	27	72	169	6	148	alt'd Trp dike, no hfls
97RN 495C	1387	33	13	38	683	23	126	bt-bearing gabbro??
97RN 496B	1438	56	14	60	531	23	155	hbl dike
97RN 502A	455	6	8	35	273	11	94	gabbro
97RN 506B	40	32	18	195	20	44	90	fg equigran Tg from vicinity
97RN 507A	967	43	16	145	150	38	165	HeaA-5, bt granite
97RN 507B	1145	146	47	63	423	97	630	HeaA-5, mafic dike rock!!
97RN 508A	549	63	21	40	317	53	259	HeaA-5, dike, diabase??
97RR 136B	807	55	23	7	1095	24	172	gabbroic dike
97RR 146B	669	90	24	185	78	73	180	k-spar porph dike
97RR 155A	274	24	12	3	954	22	121	white-lt grey wx dike
97RR 167B	1213	53	22	54	650	19	169	carb-altered dike
97SH 124	1487	24	21	18	657	39	191	Nikolai
97SH 125	338	4	21	11	1029	40	185	Nikolai
97SL 315	1346	64	26	65	608	32	235	igneous rock, dike?

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
97SL 322	63.17659	-149.69546	15.33	6.61	0.02	9.61	0.49	9.03	0.15	4.07	0.05	46.88	0.69	5.87	98.80
97SL 323	63.17643	-149.72286	14.66	8.18	0.01	7.79	1.22	5.16	0.14	2.72	0.45	48.52	1.25	8.57	98.67
97SL 325	63.17837	-149.71933	13.86	7.05	< 0.1	16.39	0.72	5.36	0.19	3.01	0.30	44.65	4.59	3.34	99.46
97SL 329	63.17840	-149.71317	15.91	3.76	< 0.1	5.40	2.73	3.27	0.12	3.81	0.27	59.70	0.71	2.76	98.44
97SL 331B	63.17701	-149.70260	7.24	20.03	0.16	3.48	0.55	4.31	0.12	2.13	0.12	40.44	0.31	20.16	99.05
97SL 331C	63.17701	-149.70260	8.28	8.55	0.07	5.69	0.10	7.46	0.10	2.70	0.20	51.63	0.52	14.21	99.51
97SL 333	63.18218	-149.73246	12.80	5.96	0.05	7.58	3.01	7.24	0.08	1.25	0.39	52.62	0.80	6.34	98.12
97SL 340	63.17479	-149.69536	14.46	6.88	< 0.1	9.25	0.45	8.09	0.18	3.64	0.10	46.90	0.70	8.48	99.13
97SL 342A	63.17231	-149.70430	14.83	4.96	< 0.1	8.22	0.66	7.57	0.10	3.51	0.08	50.23	0.63	7.21	98.00
97SL 349	63.18295	-149.68921	15.82	6.29	< 0.1	10.46	1.06	9.23	0.13	2.83	0.10	46.56	0.92	6.08	99.48
97SL 354	63.03301	-149.89982	12.77	4.71	0.01	8.61	1.89	13.29	0.16	1.62	0.08	43.74	0.58	11.81	99.27
97SL 356B	63.03140	-149.89506	13.14	6.79	0.01	9.63	0.49	9.86	0.13	4.14	0.17	47.07	0.63	7.50	99.56
97SL 360	63.02544	-149.89751	14.51	4.03	< 0.1	7.91	3.21	2.66	0.15	3.16	0.27	57.92	0.92	3.30	98.04
97SL 399A	63.23941	-149.65263	15.04	4.12	< 0.1	5.77	3.05	2.85	0.10	3.22	0.20	59.95	0.72	3.85	98.87
97SL 399B	63.23941	-149.65263	15.75	5.58	< 0.1	8.90	2.23	4.26	0.17	3.44	0.33	53.38	1.14	3.82	99.00
97SL 402A	63.20455	-149.56279	13.63	7.90	< 0.1	11.74	1.09	4.32	0.23	2.42	0.58	51.10	2.52	4.02	99.55
97SL 407	63.02467	-149.88690	13.53	11.40	0.01	8.78	0.35	8.08	0.14	3.72	0.20	45.55	0.60	7.46	99.82
97SL 418A	63.24002	-149.54835	15.60	4.41	< 0.1	6.69	1.61	2.78	0.12	3.91	0.28	55.70	0.85	6.17	98.12
97SL 420	63.24320	-149.64841	15.24	4.01	< 0.1	5.75	3.35	2.89	0.11	3.30	0.22	60.62	0.72	3.08	99.29
97SL 422A	63.24074	-149.61728	8.81	3.17	< 0.1	4.09	2.32	1.63	0.03	0.61	0.10	71.90	0.38	4.99	98.03
*Oxide analyses by Chemex Labs, 212 Brooksbank Ave., North Vancouver, BC V7J2C1 Trace element analyses by R.J. Newberry, University of Alaska, Fairbanks, AK 99709															

Sample ID	Ba ppm XRF	Ce ppm XRF	Nb ppm XRF	Rb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
97SL 322	131	5	5	4	220	14	30	basalt
97SL 323	1047	67	25	17	862	21	197	volcanics (GX is w/sulfides)
97SL 325	928	13	22	13	693	41	190	altered basaltic volcanics
97SL 329	1730	49	12	66	718	16	162	volcanic dike? w/ hbd?
97SL 331B	156	10	4	9	328	7	18	dk grey volcanic w/phenos and some sulfides
97SL 331C	106	8	4	1	222	10	35	pale grn Si-rich tuff?
97SL 333	1723	33	12	76	632	21	135	mafic dike, bt
97SL 340	174	4	4	4	242	16	33	grnish-blue blk basalt
97SL 342A	98	2	4	10	194	13	26	serpentinite-like rock
97SL 349	808	0	5	19	236	19	44	dike?
97SL 354	2792	0	4	17	184	11	30	red bed seds
97SL 356B	189	18	5	5	189	15	39	green gabbroic dike
97SL 360	1684	75	22	88	400	44	231	diorite, chl, px, magnetite?
97SL 399A	2131	53	13	65	615	18	155	qtz bt diorite, hbl?
97SL 399B	2314	46	12	40	734	26	136	porph qtz diorite w/sulfides
97SL 402A	1907	50	20	16	443	42	263	aphanitic blue/blk volc rock w/bt and felds phenos
97SL 407	150	8	5	5	183	14	36	grn gabbro?
97SL 418A	1012	44	13	34	613	21	150	lt red-tan wx monzodiorite
97SL 420	2736	54	13	76	684	18	165	equigran. Granodiorite
97SL 422A	234	10	8	76	113	11	106	fg equigran qtz diorite, bt, sulfides

Table 4: 1998 Major Oxide Data, Chulitna Project, Healy A-6 Quadrangle and nearby areas*

Sample ID	Latitude	Longitude	Al ₂ O ₃ % XRF	CaO % XRF	Cr ₂ O ₃ % XRF	e ₂ O ₃ % XRF	K ₂ O % XRF	MgO % XRF	MnO % XRF	Na ₂ O % XRF	P ₂ O ₅ % XRF	SiO ₂ % XRF	TiO ₂ % XRF	LOI % XRF
98BG004A	63.19214	-149.52839	11.34	1.96	<.01	5.28	3.25	1.62	0.16	1.70	0.15	70.69	0.55	2.12
98BG004B	63.19214	-149.52839	14.53	3.66	<.01	6.25	2.52	1.77	0.21	3.35	0.23	63.20	0.69	2.80
98BG023	63.16973	-149.81908	12.69	6.62	<.01	15.68	0.40	5.61	0.14	3.95	0.32	40.15	3.57	9.89
98BG126	63.21371	-149.65011	13.41	6.05	0.02	7.10	3.88	6.45	0.13	0.58	0.43	47.67	1.10	11.99
98BG127	63.21371	-149.65011	12.88	8.13	0.01	6.99	4.30	5.21	0.13	0.03	0.41	43.28	1.05	16.56
98BG129	63.21371	-149.65011	13.24	7.94	0.02	7.10	2.27	4.67	0.13	0.09	0.42	45.00	1.11	16.96
98BG140	63.21371	-149.65011	14.15	6.19	0.02	6.88	2.17	5.99	0.12	2.58	0.43	50.48	1.17	8.77
98BG144	63.21371	-149.65011	13.78	6.45	0.04	3.39	0.73	2.06	0.06	4.09	0.19	64.32	0.62	3.85
98BG145	63.21371	-149.65011	11.10	2.13	0.03	4.10	3.85	1.80	0.07	0.32	0.21	68.38	0.62	6.10
98BG146	63.21371	-149.65011	12.98	6.51	0.05	7.26	4.14	5.89	0.13	0.59	0.42	45.67	1.03	14.19
98DS063A			16.35	2.74	<.01	2.90	2.38	0.54	0.07	4.35	0.10	64.87	0.33	4.05
98Ha002A	63.01256	-149.48246	16.24	9.39	<.01	12.28	0.78	6.88	0.19	2.51	0.50	45.41	1.89	3.22
98Ha006	63.02083	-149.47355	13.43	1.31	<.01	2.29	4.35	0.25	0.06	3.32	0.06	72.43	0.21	0.64
98Ha007	63.02258	-149.48007	14.47	8.88	<.01	13.24	1.16	3.81	0.20	1.95	0.95	45.08	2.76	5.98
98Ha018	62.99010	-149.53527	12.53	0.54	<.01	1.94	5.55	0.24	0.04	2.87	0.04	74.37	0.18	0.63
98Ha038	63.22427	-149.18976	19.62	9.43	0.01	8.28	1.27	3.84	0.17	2.49	0.24	51.92	0.99	1.13
98Ha051B	63.21976	-149.15243	16.58	9.31	<.01	11.97	0.62	7.18	0.18	2.69	0.38	45.64	1.85	2.47
98Ha055	63.26696	-149.32728	16.61	4.38	<.01	4.99	2.13	1.99	0.08	3.62	0.17	62.33	0.69	2.35
98Ha056	63.26458	-149.32911	16.02	4.86	<.01	5.09	2.03	2.06	0.09	3.34	0.17	61.03	0.65	3.12
98Ha057B	63.23185	-149.15735	14.92	10.49	<.01	11.31	0.44	6.49	0.18	2.22	0.33	46.27	1.73	4.20
98Ha067	63.15107	-149.62911	11.33	15.84	0.06	8.81	1.22	8.28	0.17	1.96	0.20	41.27	0.58	9.57
98Ha093	63.17087	-149.61716	13.78	5.13	0.04	7.20	2.56	6.62	0.15	2.69	0.34	52.30	0.89	7.26
98JC005	63.21326	-149.71408	13.33	4.74	0.01	6.22	2.90	5.23	0.11	3.69	0.35	56.39	0.75	6.00
98KC101	63.01747	-149.48679	14.01	1.15	0.02	2.79	4.31	0.28	0.06	3.47	0.06	72.07	0.26	0.73
98KC102	63.01822	-149.48962	16.69	5.12	0.03	7.80	2.57	4.32	0.13	2.98	0.26	53.06	1.15	5.04
98KC104A	63.24707	-149.53157	14.33	4.77	<.01	8.59	2.63	4.89	0.16	3.83	0.38	53.28	1.15	4.62
98KC104B	63.24707	-149.53157	13.41	0.55	<.01	1.51	1.83	0.20	0.07	4.42	0.06	74.55	0.14	1.83
98KC105A	63.24524	-149.52913	15.62	4.68	<.01	7.03	1.92	3.60	0.11	3.28	0.22	56.31	0.85	5.35
98KC109	63.23720	-149.51187	11.98	1.16	0.02	4.63	1.26	2.54	0.09	3.09	0.14	69.62	0.59	3.59
98KC112B	63.23267	-149.50894	15.26	5.28	<.01	7.62	2.34	4.56	0.14	3.62	0.38	54.99	1.20	3.27
98KC120	63.27894	-149.42740	14.86	0.70	<.01	11.18	3.57	1.21	0.19	4.28	0.27	57.28	0.81	4.05
98KC123A	63.03124	-149.48249	13.16	0.78	<.01	0.92	5.71	0.08	0.03	1.85	0.02	74.57	0.04	1.47
98KC124A	63.03206	-149.48327	15.54	5.37	<.01	6.72	3.24	3.30	0.11	4.89	0.37	56.17	0.99	1.84
98KC124B	63.03206	-149.48327	14.25	1.58	0.03	2.99	4.60	0.38	0.06	3.54	0.08	70.03	0.30	1.17
98KC125	63.24539	-149.51482	15.98	5.09	0.01	6.24	2.09	2.81	0.12	3.41	0.28	57.76	0.84	3.69
98KC126	63.22616	-149.51188	12.28	1.04	0.03	5.24	2.22	3.14	0.06	2.16	0.13	69.91	0.67	1.98

Sample ID	TOTAL %	Ba ppm XRF	Rb ppm XRF	Nb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
98BG004A	98.82	1445	70	6	292	22	84	fg subequigranular, feldspar/qtz silicic tuff ("Ugly Tuff")
98BG004B	99.21	1160	56	6	224	34	120	fg subequigranular, feldspar/qtz silicic tuff ("Ugly Tuff")
98BG023	99.02	845	20	18	444	28	162	gray/green calcite amygdaloidal basalt
98BG126	98.81	1630	66	18	386	22	150	fg,dk gray,soft dike--Golden Zone drill core
98BG127	98.98	1090	82	16	330	20	144	buff to lt green fg dike w/qtz eyes-Golden Zone drill core
98BG129	98.95	390	68	20	310	24	162	fg,brown,green dike w/dissemin blue specks--Golden Zone drill core
98BG140	98.95	1315	56	20	724	22	165	fine xtaline, intermediate dike--purple to brown--Golden Zone drill core
98BG144	99.58	735	22	20	636	26	150	mafic dike?--Golden Zone drill core
98BG145	98.71	1145	90	14	220	18	123	fn xtaline, equigranular, dk to lt green dike--Golden Zone drill core
98BG146	98.86	1260	78	18	358	22	147	gray,green fg dike w/qtz eyes--Golden Zone drill core
98DS063A	98.68	1680	80	28	878	10	258	
98Ha002A	99.29	500	50	14	326	32	174	mafic dike-greenish-gray,fn xline, magnetic
98Ha006	98.35	950	176	14	130	42	168	very coarse grained plag, qtz, hornblend biotite granite porphyry
98Ha007	98.48	720	56	22	624	46	342	black to dark gray fine xline to aphanitic mafic dike
98Ha018	98.93	345	202	20	44	60	108	cg qtz, plag, biot granite
98Ha038	99.39	615	52	10	546	24	126	mafic dike-biot,plag phen
98Ha051B	98.87	255	22	12	472	22	120	mafic dike:dk gray/green,fine xline,w/plag phen
98Ha055	99.34	1830	56	10	642	14	129	hfls:xline,volc,hnbld,grnt
98Ha056	98.46	1675	50	10	652	16	129	hfls volc:fine xline,little hnbld,some grnt
98Ha057B	98.58	255	20	12	386	26	138	mafic dike:dk green, w/plag eyes
98Ha067	99.29	435	26	2	286	12	42	dike? or xline interlayered tuffaceous unit
98Ha093	98.96	1435	46	14	512	24	132	"Ugly tuff"-more xline phase
98JC005	99.72	2070	66	14	592	24	159	felsic dike
98KC101	99.21	890	160	16	142	38	180	cg biot granite
98KC102	99.15	1775	114	10	970	24	141	dk gray siliceous vfg dike?hfls?
98KC104A	98.63	2300	54	16	838	26	159	dk gray hnbld andesite?
98KC104B	98.57	765	66	32	282	20	111	qtz rhyolite porph
98KC105A	98.97	1735	50	12	668	22	132	vfg hnbld diorite?
98KC109	98.71	935	40	12	226	20	123	intermediate aphanitic dike w/weakly dissemin po
98KC112B	98.66	1740	54	18	848	26	183	hnbl-biot-bearing gray aphanitic dike
98KC120	98.40	730	298	40	128	38	312	biot monzodiorite, NIM prospect
98KC123A	98.63	175	440	18	74	360	120	limonitic qtz porph dike
98KC124A	98.54	1035	110	14	674	26	192	dk gray hnbld-bearing aphan mafic dike
98KC124B	99.01	1825	122	16	230	34	195	cg biot granite
98KC125	98.32	1785	48	12	646	20	150	vfg hnbld diorite?
98KC126	98.86	1130	72	12	184	20	129	vfg hfls'd gwke or dike?

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF
98KC130	63.19802	-149.50870	12.39	2.62	<.01	5.79	2.03	1.98	0.22	2.83	0.18	67.31	0.62	2.72
98KC136	63.02453	-149.63345	12.83	11.68	<.01	12.17	0.20	5.47	0.20	2.51	0.16	46.44	1.72	5.64
98KC139	63.04778	-149.58654	14.24	0.37	<.01	7.92	2.85	3.20	0.03	1.90	0.14	62.68	0.96	4.23
98KC140	63.12006	-149.56657	11.33	0.85	0.03	5.02	0.99	2.85	0.05	3.01	0.13	70.36	0.59	3.24
98KC143	63.04680	-149.57116	12.55	5.64	<.01	13.09	0.15	6.26	0.14	3.03	0.24	46.28	2.54	8.70
98KC144A	63.01991	-149.72780	14.00	4.20	<.01	4.97	3.16	2.89	0.10	3.04	0.35	60.43	0.82	4.82
98KC145	63.01053	-149.72379	14.85	1.36	<.01	4.72	0.70	1.20	0.18	7.02	0.14	65.52	0.58	2.47
98KC147B	63.02384	-149.72952	12.64	5.68	0.04	6.95	1.19	5.59	0.14	2.64	0.32	53.26	0.91	9.85
98KC151	63.18376	-149.70782	12.64	4.91	0.03	5.61	2.70	4.06	0.12	2.79	0.29	58.12	0.65	7.01
98KC153B	63.22017	-149.68528	13.17	5.22	0.05	7.07	2.15	6.64	0.12	2.83	0.37	53.35	0.78	7.67
98KC156A	63.22134	-149.75164	14.47	5.71	0.01	13.68	0.30	6.15	0.12	3.27	0.31	44.86	3.54	6.39
98KC169	63.11975	-149.78490	10.08	11.57	0.08	8.80	1.52	12.77	0.14	1.74	0.38	43.33	0.47	8.81
98KC171A	62.99291	-149.71953	2.21	42.88	<.01	1.45	0.28	0.42	1.69	0.40	0.12	17.12	0.12	31.88
98KC172B	62.98839	-149.71987	2.07	0.11	0.01	0.92	0.48	0.25	0.02	0.16	0.01	93.78	0.07	0.49
98KC178B	63.21463	-149.67269	6.35	0.31	0.03	2.17	0.22	0.81	0.05	2.59	0.06	84.96	0.18	1.13
98KC179	63.21521	-149.67897	15.79	4.42	<.01	8.46	2.18	4.06	0.18	4.38	0.32	54.79	1.09	2.91
98KC183	63.20037	-149.73303	13.75	0.19	<.01	0.76	1.87	0.22	0.02	3.48	<.01	76.33	0.02	2.43
98KC194C	63.22766	-149.68988	12.60	7.62	0.05	8.32	3.93	9.04	0.12	1.92	0.46	50.79	1.03	2.98
98KC198	63.11240	-149.76061	13.19	4.10	<.01	5.80	2.18	1.76	0.19	2.71	0.18	65.52	0.65	2.76
98RN007A	63.20994	-149.54519	13.59	4.20	<.01	6.69	1.45	2.18	0.23	2.67	0.18	63.69	0.79	3.10
98RN009B	63.25038	-149.47333	17.26	5.26	0.03	6.90	1.98	1.70	0.08	3.06	0.26	60.33	0.98	0.94
98RN009C	63.25038	-149.47333	15.94	5.66	0.01	7.83	1.40	2.89	0.18	3.20	0.24	57.31	0.95	2.94
98RN009D	63.25038	-149.47333	15.47	6.29	0.02	7.38	1.59	3.63	0.17	2.71	0.25	59.43	0.90	1.06
98RN011	63.25118	-149.49198	16.54	3.72	0.01	6.47	2.72	3.26	0.08	3.87	0.29	59.69	0.95	1.16
98RN017A	63.28443	-149.48369	13.09	5.09	0.03	8.43	3.76	7.29	0.12	2.23	0.40	55.56	0.87	2.39
98RN018	63.28694	-149.49444	15.77	4.03	<.01	4.06	2.23	1.28	0.07	3.50	0.23	60.89	0.66	5.81
98RN022B	63.21138	-149.63781	14.95	4.11	0.04	9.21	1.32	11.71	0.16	3.53	0.20	46.63	0.84	6.02
98RN023	63.20896	-149.63582	17.49	3.70	<.01	7.96	0.54	3.95	0.12	6.37	0.34	51.85	0.76	5.60
98RN037A	63.21028	-149.61953	6.06	11.23	0.03	6.78	0.36	11.55	0.12	0.29	0.05	43.18	0.27	19.54
98RN046A	63.22935	-149.61016	12.94	9.06	0.01	7.60	0.33	8.81	0.20	3.20	0.09	41.93	0.65	14.94
98RN046B	63.22935	-149.61016	8.18	14.73	<.01	5.59	1.14	7.95	0.16	<.01	0.07	37.61	0.38	23.39
98RN050F	63.23176	-149.62166	13.72	5.97	0.03	6.97	3.51	6.34	0.10	1.83	0.37	53.96	1.02	5.61
98RN052B	63.19941	-149.63979	11.76	1.24	0.02	7.29	1.35	3.54	0.04	0.78	0.03	67.52	0.84	4.15
98RN053A	63.19900	-149.64277	13.54	9.11	<.01	6.10	2.07	3.02	0.11	3.69	0.20	51.92	0.66	8.15
98RN075C	63.19302	-149.65449	14.19	5.87	0.02	8.53	2.44	5.77	0.16	2.70	0.47	51.40	1.54	5.62
98RN078A	63.20161	-149.69975	14.25	7.38	<.01	8.17	0.48	4.15	0.18	2.39	0.33	51.10	0.99	9.90
98RN079A	63.20174	-149.69438	13.54	5.98	0.03	8.36	2.02	7.95	0.24	1.79	0.24	47.87	0.75	10.04
98RN109B	63.15561	-149.74521	14.78	5.93	<.01	6.59	1.06	3.90	0.16	1.69	0.28	55.45	0.80	8.94

Sample ID	TOTAL %	Ba ppm XRF	Rb ppm XRF	Nb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
98KC130	98.69	1400	48	2	266	28	93	lithic tuff w/ash matrix
98KC136	99.02	75	16	10	112	26	99	chlorite & epidote alt'd greenstone
98KC139	98.52	275	86	8	58	20	120	andesite/basalt
98KC140	98.45	560	52	14	136	18	135	
98KC143	98.62	685	16	14	230	24	141	
98KC144A	98.78	2860	74	22	954	22	195	biot monzodiorite
98KC145	98.74	350	24	8	152	38	132	gray/green and dk gray mottled tuff
98KC147B	99.21	2140	40	16	874	22	138	lt green, sericitized biot monzodiorite dike
98KC151	98.93	1135	62	14	624	24	126	green intermediate flow
98KC153B	99.42	1745	60	12	650	20	135	biot monzodiorite dike
98KC156A	98.81	325	26	24	426	28	180	greenstone
98KC169	99.69	1055	26	2	514	14	48	mafic tuff
98KC171A	98.57	210	14	6	198	10	33	vfg. mafic sill
98KC172B	98.37	595	22	6	8	6	39	tuffaceous gray/green chert
98KC178B	98.86	215	10	6	40	20	51	cherty, finely laminated argillite
98KC179	98.58	1945	52	14	794	26	150	mafic dike-alt'd hnbld monzodiorite
98KC183	99.07	220	126	58	44	18	63	qtz porph dike
98KC194C	98.86	3900	82	12	696	22	99	biot diorite
98KC198	99.04	785	56	4	296	24	105	ugly tuff
98RN007A	98.77	1095	32	8	324	26	96	vfg. lt gray, dusty tuff w/nice fragmental shapes
98RN009B	98.78	1025	140	12	522	26	147	
98RN009C	98.55	1595	34	12	674	20	135	hfls diorite/andesitic tuff
98RN009D	98.90	915	54	10	672	26	123	tuffaceous green volc rock
98RN011	98.76	1090	190	10	552	32	144	
98RN017A	99.26	1540	112	12	596	24	120	qtz diorite
98RN018	98.53	1340	60	18	768	12	168	mg, basaltic/andesitic tuff
98RN022B	98.72	625	30	6	416	22	66	tuff, volc breccia greenstone
98RN023	98.68	795	22	10	816	18	105	pyx/plag lithic andesitic tuff
98RN037A	99.46	105	18	6	88	16	33	basaltic tuff? hematitic ss?
98RN046A	99.76	130	20	4	174	20	42	calcite veined basalt clast
98RN046B	99.20	355	32	2	504	32	42	brick red basaltic tuff? w/tg shards in vfg matrix
98RN050F	99.43	760	130	14	478	24	153	hfls'd Permian volc?
98RN052B	98.56	440	56	10	196	20	99	green matrix basalt
98RN053A	98.57	735	46	4	360	28	75	alt'd felsic intrusion?qtz,feldspar,grnt w/py & po
98RN075C	98.71	905	72	24	396	32	240	hfls'd Permian redbed
98RN078A	99.32	250	24	16	780	22	135	basalt:vesicular
98RN079A	98.81	645	32	6	426	16	78	green tuff
98RN109B	99.58	1350	32	18	722	20	174	green hnbld andesite

Sample ID	Latitude	Longitude	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	e2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF
98RN111A	63.15567	-149.73058	13.71	6.60	0.03	7.47	0.40	5.70	0.15	3.51	0.64	49.92	1.21	9.44
98RN117	63.11573	-149.88156	14.80	8.02	0.04	15.07	0.26	6.02	0.17	2.93	0.39	42.50	3.79	5.32
98RN141	63.23690	-149.58250	12.82	6.87	0.08	10.05	0.87	11.29	0.16	2.73	0.23	47.47	1.18	5.29
98RN150A	63.21195	-149.68303	13.57	5.83	0.05	7.42	0.68	9.00	0.13	3.19	0.27	52.17	0.64	6.31
98RN157B	63.19861	-149.73368	13.69	4.27	<.01	15.34	0.69	4.24	0.18	4.23	0.29	43.98	4.23	7.28
98RR003B	63.05534	-149.44091	14.19	0.13	0.01	0.78	4.14	0.22	0.04	3.35	0.03	74.03	0.03	1.64
98RR018B	63.10339	-149.39705	7.35	6.33	0.30	13.33	0.10	22.89	0.17	0.13	0.12	39.60	1.10	8.03
98RR020B	63.10470	-149.40488	15.39	8.22	0.01	12.16	1.62	6.78	0.19	2.31	0.16	47.15	1.85	3.06
98RR021A	63.10529	-149.40739	13.23	8.62	0.01	12.45	0.84	7.32	0.22	2.23	0.17	48.23	1.97	3.99
98RR022B	63.10405	-149.41185	12.86	7.07	0.04	11.15	0.85	7.13	0.20	2.17	0.14	45.56	1.59	9.95
98RR054B	63.26698	-149.35139	16.25	3.05	<.01	6.68	2.19	3.22	0.11	3.81	0.28	59.27	0.98	3.18
98RR060A	63.05859	-149.95419	13.65	8.52	0.01	14.28	0.81	5.48	0.16	2.29	0.26	45.22	2.58	5.93
98RR066A	63.03803	-150.01951	13.62	3.86	0.03	17.76	0.35	10.39	0.13	1.61	0.10	41.09	2.69	6.96
98RR068A	63.06985	-149.98995	11.58	0.27	<.01	5.26	1.67	2.29	0.04	1.82	0.15	71.96	0.56	3.61
98RR073E	63.20492	-149.74685	15.14	3.73	0.03	6.05	1.52	5.82	0.13	3.47	0.47	52.38	1.05	8.47
98RR079D	63.20289	-149.78512	10.06	9.10	0.05	8.60	1.52	10.39	0.18	1.59	0.36	40.42	0.97	15.32
98RR082A	63.19174	-149.78424	12.74	3.91	0.04	8.38	2.42	6.40	0.12	3.07	0.42	55.01	1.06	5.21
98RR091C	63.22301	-149.77600	15.54	3.55	0.03	9.06	0.99	3.35	0.12	4.11	0.75	54.52	1.74	5.43
98SL305A	63.08069	-149.43845	12.97	0.74	0.02	1.56	5.09	0.11	0.04	3.09	0.03	75.59	0.15	0.39
98SL311	63.12600	-149.34090	8.82	6.76	0.13	9.78	0.05	15.40	0.19	0.03	0.36	42.46	1.14	14.11
98SL325A	62.99988	-149.94145	15.82	1.36	<.01	6.73	0.57	2.60	0.16	5.78	0.33	61.38	0.84	3.13
98SL329A	62.99421	-149.93103	14.29	6.70	0.01	9.17	3.04	5.84	0.17	2.46	0.37	54.46	1.18	0.67
98SL355C	62.99847	-149.71826	13.13	11.01	0.01	13.17	0.12	6.27	0.19	1.70	0.12	45.66	1.51	6.11
98SL364	63.02522	-149.85967	12.55	0.95	<.01	5.42	0.43	1.68	0.15	5.17	0.20	69.38	0.63	2.09
98SL364B	63.02522	-149.85967	6.80	0.12	0.01	3.22	1.46	0.87	0.01	0.88	0.07	83.11	0.47	2.30
98SL369B	63.04621	-149.85188	14.44	7.04	0.05	9.03	0.55	6.86	0.15	2.55	0.26	48.20	1.11	8.35
98SL375A	63.06700	-149.81933	14.33	2.52	<.01	6.55	1.51	2.33	0.16	4.47	0.26	63.15	0.75	2.78
98SL375B	63.06700	-149.81933	14.99	7.18	<.01	8.57	1.88	6.74	0.14	2.50	0.27	50.65	1.03	4.73
98SL383A	63.09023	-149.76585	15.38	5.66	<.01	8.13	2.42	3.29	0.14	3.29	0.41	55.06	1.50	3.35
98SL387	63.07737	-149.75996	12.31	11.87	0.05	8.76	1.09	8.79	0.16	1.55	0.18	45.34	0.54	7.84
98SL400	63.26865	-149.35191	16.16	4.12	0.02	8.02	1.96	2.59	0.10	3.83	0.29	58.20	0.97	2.48
98SL402C	63.26298	-149.35209	17.69	9.67	<.01	10.04	0.16	5.77	0.15	3.21	0.10	49.27	1.01	2.00
98SL405	63.26434	-149.35860	16.18	5.41	<.01	7.55	2.05	3.48	0.14	3.07	0.29	55.81	0.94	4.13

*Oxide analyses by Chemex Labs, 212 Brooksbank Ave., North Vancouver, BC V7J2C1

Sample ID	TOTAL %	Ba ppm XRF	Rb ppm XRF	Nb ppm XRF	Sr ppm XRF	Y ppm XRF	Zr ppm XRF	Sample Description
98RN111A	98.78	245	18	28	886	22	192	brick red volc wacke w/angular chert & volc clasts
98RN117	99.31	65	18	18	680	28	174	limestone w/fossils
98RN141	99.04	1835	20	6	588	16	75	Devonian tuff--chloritized and calcite veined
98RN150A	99.26	1405	20	10	752	16	99	volcanic redbed
98RN157B	98.42	640	24	18	1175	28	186	basalt
98RR003B	98.59	60	970	32	<2	110	72	fg-mg, white-very lt gray qtz, plag porphyritic dike
98RR018B	99.45	45	20	8	34	16	66	
98RR020B	98.90	1020	46	10	254	22	99	greenish/dark gray dike
98RR021A	99.28	515	30	8	210	24	102	plag, pyroxene? mafic rock
98RR022B	98.71	5920	20	8	940	20	96	dk green/gray fg plag, pyroxene? dike
98RR054B	99.02	1910	54	12	714	22	132	tuff:porph,green/dk gray w/mg grnt,hnbld
98RR060A	99.19	225	28	12	546	24	117	v. dk green,dense basalt
98RR066A	98.59	115	26	10	436	22	108	alt'd basalt
98RR068A	99.21	735	66	12	90	20	126	dk green to greenish black basalt
98RR073E	98.26	7830	40	22	1485	20	159	plag porph dike
98RR079D	98.56	1455	36	10	1035	22	105	monzodiorite-plag,biot,<<qtz--alt'd
98RR082A	98.78	3900	58	12	672	24	132	biot,plag,qtz--monzodiorite??
98RR091C	99.19	1450	38	34	700	34	306	dike
98SL305A	99.78	345	174	18	42	38	156	fg biot granite
98SL311	99.23	40	16	8	442	22	87	plutonic dike
98SL325A	98.70	3280	22	26	458	30	207	felsic tuff
98SL329A	98.36	1315	70	16	384	30	129	equigranular biot. qtz diorite
98SL355C	99.00	135	16	8	96	22	84	andesite/basaltic dike
98SL364	98.65	325	18	6	188	28	111	blue black argillite
98SL364B	99.32	885	54	26	54	20	156	dk blue/black siltstone
98SL369B	98.59	480	22	12	386	20	114	monzodiorite dike
98SL375A	98.81	510	34	8	258	38	150	blue/black Si-argillite
98SL375B	98.68	825	38	10	530	20	126	vfg hnbld qtz diorite
98SL383A	98.63	675	72	22	470	32	183	qtz feldspar dike
98SL387	98.48	440	28	2	234	14	39	gabbroic dike
98SL400	98.74	1695	50	12	756	22	129	grnt amphibole metatuff
98SL402C	99.07	180	12	10	260	18	69	lt gray,cg,pyroxenite?
98SL405	99.05	1675	50	12	700	22	132	grnt,hnbld,biot meta-rhyodacite tuff