

**RECEIVED**  
DEC 22 2003  
Gold Commissioner's Office  
VANCOUVER, B.C.

**2003 DIAMOND DRILLING  
ASSESSMENT REPORT  
ON THE GALORE CREEK PROPERTY  
VOLUME II of II  
(Appendices V – VIII)**

Liard Mining Division  
British Columbia, Canada

NTS 104G/3 and 104G/4  
57° 07' North Latitude  
131° 27' West Longitude

Owned by  
Stikine Copper Limited  
354-200 Granville Street  
Vancouver, B.C. V6C 1S4

Operated by  
SpectrumGold Inc.  
Suite 3454, 1055 Dunsmuir Street  
Vancouver, B.C. V7X 1K8

Prepared by

M.A. Stammers, P. Geo.  
J.K. Muntzert, CPG  
S.A. Petsel, CPG

**GEOLOGICAL SURVEY BRANCH**  
December 2003 **ASSESSMENT REPORT**

27,286  
2 of 2

## TABLE OF CONTENTS

	Page
1.0 INTRODUCTION .....	1
2.0 LOCATION, ACCESS & PHYSIOGRAPHY .....	1
3.0 CLAIM STATUS.....	3
4.0 EXPLORATION HISTORY.....	6
5.0 2003 EXPLORATION PROGRAM.....	8
6.0 REGIONAL GEOLOGY.....	10
6.1 Stratigraphy.....	11
6.2 Intrusives .....	12
6.3 Structure .....	12
7.0 DIAMOND DRILLING.....	14
7.1 Introduction.....	14
7.2 Lithological Descriptions.....	15
8.0 SUMMARY OF RESULTS.....	20
8.1 Section 4850E .....	20
8.2 Section 4900E .....	21
8.3 Section 6033N.....	21
8.4 Section 6828N.....	22
8.5 Section 6881N.....	22
8.6 Section 7517N.....	23
8.7 Section 7623N.....	24
9.0 DISCUSSION & RECOMMENDATIONS.....	25

## **LIST OF TABLES**

	<b><u>Page</u></b>
Table 1	List of Claims.....5
Table 2	Exploration History.....7
Table 3	2003 Diamond Drill Hole Summary.....14
Table 8.1.1	Selected Assay Averages – GC03-437 .....20
Table 8.2.1	Selected Assay Averages – GC03-436 .....21
Table 8.3.1	Selected Assay Averages – GC03-441 .....21
Table 8.4.1	Selected Assay Averages – GC03-445 .....22
Table 8.5.1	Selected Assay Averages – GC03-438 .....22
Table 8.6.1	Selected Assay Averages – GC03-442, GC03-444 .....24
Table 8.7.1	Selected Assay Averages – GC03-439 .....24

## **LIST OF FIGURES**

	<b><u>Page</u></b>
Figure 1	Location Map.....2
Figure 2	Claim Map .....4
Figure 3	Simplified Regional Geology .....10

## **LIST OF PLATES (In Map Pockets-Volume I)**

	<b><u>Scale</u></b>
Plate 1	Drill Hole Location Plan Map 1:5,000
Plate 2	Section 4850E 1:1,000
Plate 3	Section 4900E 1:1,000
Plate 4	Section 6033N 1:1000
Plate 5	Section 6828N 1:1000
Plate 6	Section 6881N 1:1,000
Plate 7	Section 7517N 1:1,000
Plate 8	Section 7623N 1:1,000

## **APPENDICES**

### **Volume I**

APPENDIX I	Bibliography
APPENDIX II	Statement of Expenditures
APPENDIX III	Statement of Qualifications
APPENDIX IV	List of Field Personnel

### **Volume II**

APPENDIX V	Lithologic Classification
APPENDIX VI	Diamond Drill Logs
APPENDIX VII	Geotechnical Drill Logs
APPENDIX VIII	Assay Certificates and Analytical Procedures

## **DIGITAL DATA – CD ROMS IN POCKETS – Volume II**

DISC 1	TEXT, ASSAY DATA, PLATES
--------	--------------------------

**APPENDIX V**

**LITHOLOGIC CLASSIFICATION**

## Galore Creek Rock Codes

The lithologies encountered during the 2003 drilling campaign are highlighted in italicized blue font

<i>Numeric</i>	<i>Alpha</i>	<i>Description</i>	<i>Numeric</i>	<i>Alpha</i>	<i>Description</i>
<b>100</b>	<b>S</b>	<b>Sedimentary Rocks</b>	<b>300</b>	<b>I</b>	<b>Intrusive Rocks</b>
110	S1	Conglomerate	<i>310</i>	<i>I1</i>	<i>Pseudolucite porphyry</i>
120	S2	Greywacke	<i>320</i>	<i>I2</i>	<i>Pseudolucite mega-porphyry</i>
130	S3	Siltstone	<i>330</i>	<i>I3</i>	<i>Grey syenite porphyry</i>
140	S4	Argillite	<i>340</i>	<i>I4</i>	<i>Dark orthoclase syenite</i>
			<i>343</i>	<i>I4a</i>	early phase
			<i>344</i>	<i>I4ab</i>	Early /Late
			<i>345</i>	<i>I4b</i>	Late phase
<b>200</b>	<b>V</b>	<b>Volcanic Rocks</b>	<i>350</i>	<i>I5/I9</i>	<i>Orthocl. syenite mega-porph</i>
<i>210</i>	<i>V1</i>	<i>Augite Bearing</i>	<i>351</i>	<i>I5</i>	Fine grained (early)
211	V1a	Flow	<i>352</i>	<i>I9</i>	Medium grained
212	V1b	Porphyritic			
213	V1c	Flow Breccia	<i>353</i>	<i>I9a</i>	Early phase
214	V1ab	Porphyritic Flow	<i>354</i>	<i>I9ab</i>	Early/late
215	V1e	Coarse Lapilli Tuff	<i>355</i>	<i>I9b</i>	Late phase
216	V1f	Fine Lapilli tuff	<i>360</i>	<i>I6/I8</i>	<b>Syenite</b>
217	V1g	Ash tuff	<i>361</i>	<i>I6</i>	Fine Grained
218	V1ac	Flow/flow breccia	<i>362</i>	<i>I8</i>	Medium grained
219	V1e/h	Tuffs - Mixed/undiff	<i>363</i>	<i>I8a</i>	Early phase
<b>220</b>	<b>V2</b>	<b>Pseudolucite Bearing</b>	<i>365</i>	<i>I8b</i>	Early/late
221	V2a	Flow	<i>370</i>	<i>I7/I11</i>	<b>Syenite Porphyry</b>
<i>222</i>	<i>V2b</i>	Porphyritic	<i>371</i>	<i>I7</i>	Fine Grained
223	V2ab	Porphyritic Flow	<i>374</i>	<i>I7b</i>	Late phase
224	V2c	Flow Breccia	<i>372</i>	<i>I11</i>	Medium grained
225	V2e	Coarse Lapilli Tuff	<i>373</i>	<i>I11a</i>	Early phase
226	V2f	Fine Lapilli tuff	<b>380</b>	<b>I10</b>	<b>Plagioclase syenite porphyry</b>
227	V2g	Ash tuff	<i>385</i>	<i>I10b</i>	Late phase
228	V2h	Crystal lithic tuff	<i>390</i>	<i>I12</i>	<b>Lavender syenite porphyry</b>
229	V2e/h	Tuffs - Mixed/undiff			
<i>230</i>	<i>V3</i>	<i>Othroclase Bearing</i>	<b>400</b>	<b>B</b>	<b>Breccia</b>
231	V3a	Flow	<i>410</i>	<i>B1</i>	<b>Diatreme</b>
232	V3b	Porphyritic	415	B1b	Heterolithic diatreme
233	V3ab	Porphyritic Flow	<i>420</i>	<i>B2</i>	<b>Hydrothermal</b>
234	V3a/f	Flow/ Fine lapilli tuff	423	B2a	Monolithic Hydrothermal
235	V3e	Coarse Lapilli Tuff	425	B2b	Heterolithic Hydrothermal
236	V3f	Fine Lapilli tuff			
237	V3g	Ash tuff	<b>500</b>	<b>D</b>	<b>Dikes</b>
238	V3h	Crystal lithic tuff	<b>510</b>	<b>D1</b>	<b>Lamprophyre</b>
239	V3e/h	Tuffs - Mixed/undiff	<i>520</i>	<i>D2</i>	<b>Mafic</b>
<b>240</b>	<b>V4</b>	<b>Mafic</b>	<i>530</i>	<i>D3</i>	<b>Intermediate</b>
<i>241</i>	<i>V4a</i>	Flow	<i>540</i>	<i>D4</i>	<b>Felsic</b>
242	V4b	Porphyritic			
243	V4ab	Porphyritic Flow	700	FZN	Fault Zone
244	V4d	Breccia			
245	V4e	Coarse Lapilli Tuff	<i>900</i>	<i>OVB</i>	<b>Overburden</b>
246	V4f	Fine Lapilli tuff			
247	V4g	Ash tuff			
248	V4h	Crystal lithic tuff			
249	V4e/h	Tuffs - Mixed/undiff			
<i>250</i>	<i>V5</i>	<i>Intermediate</i>			
251	V5a	Flow			
252	V5b	Porphyritic			
253	V5c	Flow Breccia			
<i>254</i>	<i>V5d</i>	Breccia			
<i>255</i>	<i>V5e</i>	Coarse Lapilli Tuff			
256	V5f	Fine Lapilli tuff			
257	V5g	Ash tuff			
258	V5h	Crystal lithic tuff			
259	V5e/h	Tuffs - Mixed/undiff			
<b>260</b>	<b>V6</b>	<b>Felsic</b>			
266	V6f	Fine Lapilli tuff			
267	V6g	Ash tuff			

**APPENDIX VI**  
**DIAMOND DRILL LOGS**

DDH No. GC03-436

<b>Program</b>	Fall 2003
<b>Date</b>	10/1/2003
<b>Logged By</b>	Workman/Petsel
<b>Area</b>	Southwest
<b>Drill Grid</b>	Southwest
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	350166.949	4906.08
<b>Northing</b>	6333611.428	5481.64
<b>Elevation (m)</b>	923.389	923.389
<b>Section</b>	4900E	

<b>Azimuth (°)</b>	360
<b>Dip (°)</b>	-60
<b>Total Depth (m)</b>	197.21

<b>Drill start date</b>	9/16/03
<b>Drill end date</b>	9/19/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Down Hole Surveys</b>	None
--------------------------	------



# SpectrumGold Inc.

## Galore Creek Project

SOUTHWEST Zone

STARTED = 16/SEP Finished = 19/SEP 03

D.D.H. No.: GC 03-436

Prop hole F N360/-60°  
 Minegrid = E 4906  
 UTM = E = 350166.949

SECTION 4950E N 5481.64  
 N. 6333611.428 ELEV. 923.389

197.21m (647') = TOTAL Depth

SHEET: 1 of 3

logged by ERIDWORKMAN 9/20/03 - complete 10/1/03

GRAPHIC LOG					DESCRIPTION	ALTERATION													MINERALIZATION					SAMPLING				ASSAY DATA								
(m) SCALE	LITH	VEIN	FRAC	SHR FLT TEXT		ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPEC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG	PPM CU			
					0-27.13 = <u>OVBL</u> (900)																															
					373 (IIA) - Mod Ga SYENITE Porph (27.13-105) matrix mins incl kspar, chl, bio w/ additional epi + gar from 88-105.77m. There are phenos of kspar, bio, and minor chl spaced locally, as well as minor biotite veins. Matrix is carbonaceous and has mottled appearance. Pyrite is the major mineralization mineral w/ secondary chalc and minor spec. Unit is highly fractured/broken and is strongly magnetic. Alteration is greatest as you approach the contact at ~ 105m. This is likely the IIA unit that was described historically as an Early phase medium grained syenite porphyry.																															
					* From ~89-105m possibly new unit, green-chl + epi rich, plagioclase phenos, and minor garnet. Shows almost no sulfidation + weak magnetics.																															
					@ 27.13-38.71 - Low recovery - very broken up - gauge material. <del>matrix</del> = assume faults based on broken up material in a sandy clay matrix. Matrix reacts very weakly w/ HCl. <del>matrix</del> very small fault, less than 3cm wide.																															
					@ 27.13-38.71m = kspar, bio, + chl rich w/ major mineralization pyrite and some Zoned chalc; unit reacts very weakly w/ acid in large phenos present yet.	m	m	m									0.5		1	S						100095	27.13	38.71	2.8		0.375		3410			
					@ 38.71-41.76 - Low recovery, but better rock quality, Shift from pyr dominant to chalc dominant, unit now contains feld. clasts ~ 0.5-1cm diameter, same min as above.	m	m	m									3.0		0.5	m						100096	38.71	41.76	2.7	1.93	2.96		>10000			
					@ 41.76-44.81m - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									2.5		1	S						100097	41.76	44.81	2.9	1.73	2.66		>10000			
					@ 44.81-47.86 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									3.0			S						100098	44.81	46.0	2.4	2.29	3.51		>10000			
					@ 47.86-49.2 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	w	m									4.0		1	S						100099	46.0	48.0	1.1	3.06	4.29		>10000			
					@ 49.2-51.8 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									3.5		1	S						100100	48.0	50.0	1.6	2.47	4.59		>10000			
					@ 51.8-52.1 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									1.5		1	m						100101	50.0	52.0	1.7		0.975		6416			
					@ 52.1-59.2 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									2		1	S						100102	52.0	54.0	5.7		0.853		6680			
					@ 59.2-59.6 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	w									2.5	tr	0.5	S						100103	54.0	56.0	2.8	1.6	2.76		>10000			
					@ 59.6-61.6 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									2.5		1.5	S						100104	56.0	58.0	4.9		0.824		7900			
					@ 61.6-62.0 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									1	tr	0.5	m						100106	58.0	60.0	2.2		0.854		5410			
					@ 62.0-62.8 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									1	tr	1.5	S						100107	60.0	62.0	2.1	1.7	1.74		>10000			
					@ 62.8-63.2 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									0.5		2.5	S						100108	62.0	64.0	3.5	1.08	1.25		>10000			
					@ 63.2-64.4 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									1.5		1.5	W						100109	64.0	66.0	0.88	1.57	1.285		>10000			
					@ 64.4-67.4 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m									1		1.5	W						100110	66.0	68.0	0.74		0.763		4350			
					@ 67.4-69.7 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m											1							100111	68.0	70.0	1.4		1.22		5780			
					@ 69.7-73.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m											1	S						100112	70.0	72.0	1.6		0.811		5040			
					@ 73.5-74.4 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	m											2	S						100113	72.0	74.0	2.4		0.441		2480			
					@ 74.4-77.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m											0.5	S						100114	74.0	76.0	2.9	1.85	2.7		>10000			
					@ 77.5-79.6 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	w											0.5	S						100115	76.0	78.0	10.0		0.442		2220			
					@ 79.6-80.0 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m											0.5	S						100115	76.0	78.0	10.0		0.035		6580			
					@ 80.0-81.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	s	m									0.5		1	S						100117	78.0	80.0	2.7		2.18		1310			
					@ 81.5-83.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	s									tr		0.5	S	tr					100118	80.0	82.0	4.0		0.167		554			
					@ 83.5-85.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	s	m	s									tr		0.75	S	tr					100119	82.0	84.0	2.9		0.5		2130			
					@ 85.5-87.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	m	s	m									1		2	m	tr					100120	84.0	86.0	1.0	1.55	2.79		>10000			
					@ 87.5-89.5 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	m	m	m									.5		1.5	W		W				100121	86.0	88.0	0.28	1.1	1.855		>10000			
					@ 89.5-90.0 - Low recovery, but what was recovered showed definite fracture sets @ ~56°; chalc rich - blebs a/w/a disseminated; now have lots of feldspar phenos.	m	m	m	tr								tr		1	m		W				100122	88.0	90.0	1.2		0.159		1125			

CU108

GRAPHIC LOG					DESCRIPTION	ALTERATION											MINERALIZATION					SAMPLING				ASSAY DATA								
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPEC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gm/T AU	gm/T AG
90																											100123	90.0	92.0	1.3	0.037	287	517	DUP
																											100125	92.0	93.57	1.3	0.041	287	517	DUP
																											100126	93.57	96.62	1.6	0.062	401		
																											100127	96.62	99.67	1.3	0.033	228		
																											100128	99.67	105.77	0.9	1.495	8470		
																											100129	105.77	111.86	0.34	1.5	9.3	71000	
																											100130	111.86	117.96	0.14	1.34	4.5	>10000	
																											100131	117.96	124.05	0.94	1.53	3720		
																											100132	121.05	126.0	0.18	0.721	1475		
																											100133	126.0	128.0	3.6	0.941	1550		
																											100134	128.0	130.0	6.0	0.505	1170		
																											100135	130.0	132.0	7.0	0.465	742		
																											100136	132.0	134.0	2.2	1.31	1165		
																											100137	134.0	136.0	0.49	3.59	6570		
																											100139	136.0	138.0	1.4	0.509	118	STD	pm 184
																											100140	138.0	140.0	0.13	1.21	6.31	>10000	
																											100141	140.0	142.0	1.7	2.61	6.15	>10000	
																											100142	142.0	144.0	1.8	0.992	1430		
																											100143	144.0	146.0	1.3	0.32	1185		
																											100144	146.0	148.0	7.6	0.902	2630		
																											100145	148.0	150.0	1.8	0.334	1285		
																											100146	150.0	152.0	0.25	1.31	1165		
																											100147	152.0	154.0	3.5	0.572	2110		
																											100148	154.0	156.0	3.4	0.522	1745		
																											100150	156.0	158.0	0.59	0.727	1775		
																											100151	158.0	160.0	1.1	1.69	1495		
																											100152	160.0	162.0	0.06	1.67	1450	DUP	
																											100251	158.0	160.0	1.1	1.7	959		
																											100252	160.0	162.0	0.06	0.445	714		
																											100253	162.0	164.0	1.0	0.865	1365		
																											100254	164.0	166.0	1.4	0.209	694		
																											100255	166.0	168.0	1.5	0.208	638		
																											100256	168.0	170.0	4.9	1.445	3690		
																											100257	170.0	172.0	0.97	1.39	5.3	>10000	
																											100258	172.0	174.0	0.07	1.75	3450		
																											100259	174.0	176.0	1.5	0.028	6740	STD	CU 108
																											100261	176.0	178.0	1.8	0.038	173		
																											100262	178.0	180.0	1.8	0.024	148		



DDH No. GC03-437

<b>Program</b>	Fall 2003
<b>Date</b>	9/20/2003
<b>Logged By</b>	Workman
<b>Area</b>	Southwest
<b>Drill Grid</b>	Southwest
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	350110.763	4847.92
<b>Northing</b>	63333673.488	5541.86
<b>Elevation (m)</b>	929.490	929.490
<b>Section</b>	4850E	

<b>Azimuth (°)</b>	360
<b>Dip (°)</b>	-60
<b>Total Depth (m)</b>	204.22

<b>Drill start date</b>	9/17/03
<b>Drill end date</b>	9/19/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Down Hole Surveys</b>	None
--------------------------	------



# SpectrumGold Inc.

## Galore Creek Project

D.D.H. No.: GL03-437

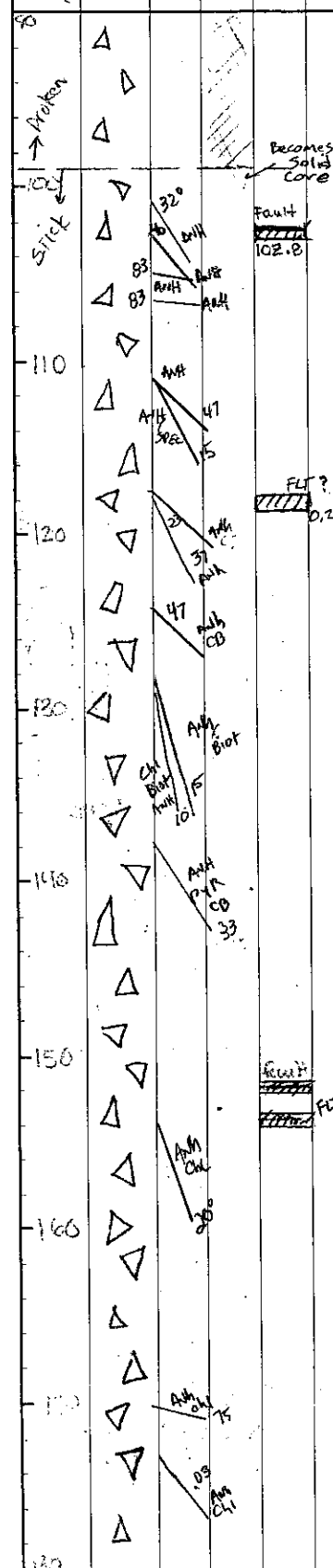
SHEET: 2 of 3

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION					SAMPLING				ASSAY DATA										
(m) SCALE	LITH	VEIN	FRAC	SHR FLT TEXT		ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPIC	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SULPH	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gm/T AU	gm/T AG
78																												100023	88.41	91.46			1.63		8620
																												100031	91.46	94.00			1.99	3.7	>10000
																												100035	94.00	96.00			1.29		8060
																												100036	96.00	99.00			1.27		6310
																												100037	98.00	100.61			0.433		108.5
																												100039	100.61	103.66			0.327		110.0 DUP
																												100041	103.66	106.78			0.385		146.0
																												100042	106.78	109.76			2.89		58 STD
																												100043	109.76	112.80			0.391		1830
																												100044	112.80	115.85			0.424		1125
																												100046	115.85	118.00			0.139		733
																												100047	118.00	120.0			0.133		777
																												100048	120.0	122.0			0.161		778 DUP
																												100049	122	124			1.625		7170
																												100051	124	126			2.04		7050
																												100052	126	128			1.065		5840
																												100053	128	130			0.627		3170
																												100054	130	132			0.453		127 STD
																												100055	132	134			0.617		3060
																												100056	134	136			0.177		1680
																												100057	136	138			0.096		504
																												100058	138	140			0.594		1020
																												100060	140	142			0.091		884
																												100061	142	144			0.071		262
																												100062	144	146			0.113		494
																												100063	146	148			0.237		857
																												100064	148	150			0.246		902 DUP
																												100065	150	152			0.169		736
																												100066	152	154			0.270		1070
																												100067	154	156			0.163		1045
																												100068	156	158			0.157		876
																												100069	158	160			0.153		883
																												100070	160	162			0.216		1125
																												100071	162	164			0.018		6750 STD
																												100072	164	166			0.234		933
																												100073	166	168			0.144		1090
																												100074	168	170			0.238		1205
																												100075	170	172			0.212		853
																												100076	172	174			0.164		952
																												100077	174	176			0.319		1780
																												100078	176	178			1.08		5470
																												100079	178	180			1.145		6570
																												100080	180	182			1.1		6220 DUP
																												100081	182	184			1.15	2.97	>10000
																												100082	184	186			1.16	1.46	>10000
																												100083	186	188			1.68	2.36	>10000
																												100084	188	190			2.09	2.14	>10000
																												100085	190	192			1.65		6860
																												100086	192	194			0.081		5380

PM152

PM184

CU108



@ 79.27 pyrite occurs in veinlets but hardly any is found disseminated throughout.

@ 88.41 - kspars megacrysts that are fairly altered

@ between 98-100.61 is the start of the good recovery + can see carbonate veining + carb clasts in matrix

@ 100.61-103.66 - large kspars clasts + kspars veining - blobs of chalcocyanite but not very disseminated throughout. Also at fault - finer stick rock of HCL Unit varies from epidote rich to just pure to kspars but rich/epidote poor, weak carb veining

@ 119.56m-119.83m core broken + pebbly

@ 91.46-120 zone of stick rock that has high epi-chl grade, s-m kspars, w-bio, and a little pyrite mineralization also see anhydrite veining.

@ 140-148 fine pink veins - either carbonate or anhydrite - not much fine in matrix otherwise. Some clasts are same as the 131m - 132m

@ 131.25 appearance of a black red iron carbonate clasts - that are of HCL

@ 137.6m presence of magnetite veining as well as continuation of the fine pink veins

@ 142-144 - some minor carbonate veining. can now see clasts in 5-1.5cm diameter that are pale bluish/gray - possibly anhydrite because have harder than the carbonate veins, do not fizz but still soft (can scratch). Also there are large dark patches that are magnetite rich, spaced between mag. red areas.

@ 144 - magnetite veinlets can see calcite veins of composition all at a level of 30-50% don't fizz with HCL but are very fine (1-2cm) and some clasts of the same material.

@ 140 - pink vein of 1-2cm but still has 1-2cm of calcite. can see magnetite veins in the calcite.

at the boundaries of the vein.



## DDH No. GC03-438

<b>Program</b>	Fall 2003
<b>Date</b>	10/7/2003
<b>Logged By</b>	Petsel
<b>Area</b>	N. Gold Lens
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	UTM	Mine Grid
<b>Easting</b>	351163.544	5858.31
<b>Northing</b>	6334969.681	6871.36
<b>Elevation (m)</b>	742.286	742.286
<b>Section</b>	6881N	

<b>Azimuth (°)</b>	88.5
<b>Dip (°)</b>	-57
<b>Total Depth (m)</b>	394.72

<b>Drill start date</b>	9/20/03
<b>Drill end date</b>	9/24/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

Down Hole Surveys							
Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code
87	26.52	66	33	88.5	57	Sperry	1
237	72.23	65	33	88.5	57	Sperry	1
387	117.95	63	33	86.5	57	Sperry	1
537	163.67	64	33	87	57	Sperry	1
687	209.39	64	32	87	58	Sperry	1
837	255.11	66	32	88.5	58	Sperry	1
987	300.82	67	32	89.5	58	Sperry	1
1137	346.54	72	33	93	57	Sperry	1
1287	392.26	74	33	95	57	Sperry	1







# SpectrumGold Inc.

## Galore Creek Project

D.D.H. No.: GC 03 438

SHEET: 3 of 5

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION							SAMPLING				ASSAY DATA								
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GY	SER	SPEC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG SEP WIDTH	% CU	gm/T AU	gm/T AG	ppm CU
180						@ 181.47 - hem + anhy. veining.	3	35	3	0	4	3	25					2	tr	25	0	15						100459	180.0	182.0	0.06	1.44	0.372		21000
							2	35	4	0	1	4	2					1.5		25	0	2	tr				100460	182.0	184.0	0.03		0.63		9560	
						@ 186.63 sharp contact btw dyke + unit, same at 188.28.	4	3	3	2	25	35	15	15				1		15	0	1					100461	184.0	186.63	0.05		0.353		6450	
						D2(520) Mafic Dyke = 186.63 - 188.28m = Dark green, chl, bio, + epi	0	4	4	25	0	2		15				tr	tr	1	2						100462	186.63	188.28	0.44		0.274		269	
						w/ gyp veining. Some pyr found as blebs, chalc + bn oss w/ gyp	3	3	3	0	4	2	2					tr	1	1	0						100463	188.28	189.75	0.05		0.292		1230	
190						5#0 (D4) Felsic Dyke = 189.75 - 190.93m = Light grey,	4	2	2	0	2	2						1		5	0						100465	189.75	190.93	0.03		0.02		6190	
						aphanitic dyke w/ feldspar, weak bio + chl. Very finely disseminated	3	3	25	0	4	2	4						1		5	1					100466	190.93	192.0	0.41		0.232		2740	
						bn chalc, + pyr. Contacts marked w/ anhy. veining.	4	3	25	0	4	25						2	tr	0	2	2					100467	192.0	194.0	0.07	1.57	0.847		21000	
						@ 191.11 - 191.41 = Light pink anhy. vein w/ tr bio + chalc.	4	3	4	0	4	25	25	1				1.5	tr	tr	0						100468	194.0	196.0	0.04		0.314		7180	
							3	4	2	0	4	2	35					2	tr	25	0	1					100470	196.0	198.0	0.04	1.16	0.696		21000	
							4	35	2	0	4	2	25					1.5	tr	3	0						100471	198.0	200.0	0.03		0.558		9300	
							35	35	3	0	35	2	2					1		4	0	1					100472	200.0	202.0	0.04	2.13	0.883		21000	
							3	3	25	tr	4	2	2					3		4	0	tr					100474	202.0	204.0	0.06	1.98	0.939		21000	
							35	35	2	0	35	2						2	1	3	0						100475	204.0	206.0	0.01		0.408		8540	
							25	3	3	0	4	2	2			2		15	5	1	1	1	5				100476	206.0	208.0	0.10		0.242		4520	
						Orthoclase Syenite Megacrystic 209.62 - 242.1m = Light	3	3	3	0	4	2	15					1	tr	5	0	15	tr					100477	208.0	209.60	0.08		0.158		3820
						pink-grey. Megacrysts of Kspar + plagiocl. Smaller phenos of	3	2	15	25	2	1		1						5	1	tr	tr				100478	209.6	212.0	0.41		0.014		148	
						(15/19) bio and some epi + gar. Unit is slightly magnetic +	3	2	2	25	2	2				1				tr	2	1	tr				100479	212.0	214.0	0.54		0.01		61	
						Shows weak pyr mineralization. There are many carb	3	25	25	3	2	2				1				tr	2						100480	214.0	216.0	0.69		0.007		57	
						veinlets; hematite + chl often found on fract. surfaces	3	2	2	25	2	2									2						100481	216.0	218.0	0.68		0.012		85	
						Also some tr. gypsum veining, + spec. Phenos are	3	2	35	2	2	2				2			5	15	2						100482	218.0	220.0	0.35		0.02		88	
						oriented ~ 320°. Contacts between this unit + dyke shows	3	2	25	3	25	1				1			5	1	1						100483	220.0	222.0	0.39		0.01		36	
						that dykes are younger.	3	2	25	3	2	2				1			5	1	2						100484	222.0	224.0	0.35		0.006		41	
							3	2	25	3	2	25				1			5	1	2						100485	224.0	226.0	0.24		0.005		35	
						520 (02) Mafic Dyke = 226 - 227.42m = Dark green, chl, bio, + epi	0	4	4	2	0	35								tr	2							100486	226.0	227.42	0.69		0.005		3
						w/ carb veining. Some tr. pyr. Sharp angled contact, but	3	2	25	3	25	25				1			5	15	15						100488	227.42	230.0	0.51		0.01		122	
						rock broken up.	3	2	3	3	2	25					1	tr		5	1	15					100489	230.0	232.0	0.45		0.013		62	
							3	2	3	2	2	25					1	tr		5	15	15					100490	232.0	234.0	0.26		0.005		68	
							3	2	25	3	2	2				2	tr		75	1	2					100491	234.0	236.0	0.38		0.011		51		
							3	2	2	3	2	25				2			1	1	2						100492	236.0	238.0	0.43		0.011		42	
						520 (02) Mafic Dyke = 239.84 - 240.1m = as above; cuts @ ~ 30°	3	2	25	25	2	25	1	1		1	tr		75	1	2						100493	238.0	240.0	0.40		0.009		151	
						520 (02) Mafic Dyke = 242.1 - 242.85m = as above; cuts @ ~ 20°	3	2	3	3	2	2		1		2	-	tr		5	1	2					100495	240.0	242.1	0.29		0.017		146	
						230 (V3) Orthoclase garnet biotite chalcopyrite Volcanic = 242.35	4	3	3	1	4	0		1						tr	0	tr						100496	242.1	244.0	0.01		0.039		427
						- 328.68 m Unit is a med grained volcanic	2	2	3	0	4	1	2			tr	tr	tr	0	tr							100497	244.0	246.0	0.03		0.036		281	
						which has been alt. strongly by Kspar, bio, gar. From	3	2	2	1	4	2	15			tr	-	1	1	tr	0						100498	246.0	248.0	0.04		0.102		4310	
						260 - 328.68 m there is strong chalc mineralization	3	25	4	2	4	1	2	1			-	5	tr	tr	0						100500	248.0	250.0	0.03		2.98		54	
						Magnetics are weak in areas of intense chalc	3	2	3	0	4	2	1					1	tr	tr	0	5					100701	250.0	252.0	0.04		0.036		342	
						but otherwise absent. Unit has veinlets of	3	2	2	0	4	2	1			tr	-	tr		0	5						100702	252.0	254.0	0.03		0.04		117	
						carb and some veins of anhy + hem. Possible	35	1	3	0	3	1						tr		0	tr						100703	254.0	256.0	0.04		0.095		1430	
						pseudo leucite, but so altered cannot tell. There	3	2	25	0	3	25	2					75	tr	0	tr						100705	256.0	258.0	0.03		0.201		4790	
						is trace amounts of a silver min (not spec)	3	25	2	0	4	25	2	2			-	75		1							100706	258.0	260.0	0.13		0.27		5510	
						from 240 - 260m locally. From 242.35 - 258m there	3	2	2	0	3	2	1					2	tr	0							100707	260.0	262.0	0.02		0.259		9580	
						are zones of a plig phenocrystic porphyry that is strong	4	25	2	0	35	1	15					25		5	0						100708	262.0	264.0	0.04	1.34	0.393		21000	
						Kspar altered locally; bunchites fine/grade in some	3	3	25	0	4	2	1					3		1	0	15					100709	264.0	266.0	0.02	1.09	0.547		21000	
						areas and are distinct in others. From 271.75 -	4	3	25	0	4	3	1					3		1	0	1					100711	266.0	268.0	0.15	2.5	0.671		21000	
						272.75m contains extremely high chalc. From 296.31	4	3	2	0	3	1	0					3		15	0	tr					100712	268.0	270.0	0.02	2.47	0.492		21000	



GRAPHIC LOG						DESCRIPTION	ALTERATION											MINERALIZATION								SAMPLING				ASSAY DATA					
(m) SCALE	LITH	VEIN	FRAC	SHR FLT	TEXT		ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPEC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG SEP WIDTH	% CU	gm/T AU	gm/T AG	Ppm CU
360	○ / ○						4	2	1	0	4	2	3			2	.5		1	1	1							100820	360.0	362.0	0.15	0.145		3980	
	○ / ○						4	2	1	0	4	2	1			2	1.5		.1	1	.5						100822	362.0	364.0	0.06	0.045		2610		
	○ / ○						4	2	2	0	4	3	1			2	1		.1	1	2						100823	364.0	366.0	0.18	0.056		1220		
	○ / ○						4	2	1	1	4	2	3			1	1		.2	1	1						100824	366.0	368.0	0.15	0.131		3340		
	○ / ○						4	2	1	1	3	3	1			0	1.5		.3	2	3						100826	368.0	370.0	0.87	0.17		4380		
370	○ / ○						4	2	1	0	4	2	2			0	1.5		.3	1	1						100827	370.0	372.0	0.11	0.06		3460		
	○ / ○						4	2	1	1	4	2	3			0	1		.3	1	1						100828	372.0	374.0	0.04	0.06		2880		
	○ / ○						4	2	1	0	3	3	1			0	1.5		.3	0	25						100829	374.0	376.0	0.04	0.099		3210		
	○ / ○						4	2	1	0	2	3	1			1	.5		.1	0	1						100830	376.0	378.0	0.07	0.007		552		
	○ / ○						4	2	1	1	3	3	2			1	.3		.1	2	1						100831	378.0	380.0	0.06	0.01		803		
380	○ / ○						4	2	2	0	4	2	1			1	.5 tr		.1	0	1.5						100832	380.0	382.0	0.13	0.032		3260		
	○ / ○						4	2	2	0	4	3	1			1	.3		.1	0	1.5						100833	382.0	384.0	0.08	0.061		3510		
	○ / ○						3	3	4	3	3	3	2			1	.3		.75	2	5						100834	384.0	386.0	1.1	0.015		896		
	○ / ○						2	3	3	3	0	2							.1	2	5						100835	386.0	388.0	2.5	<0.005		439		
390	○ / ○						2	3	3	3	2	3	3								2	1					100836	388.0	390.0	1.9	0.103		208		
	○ / ○						3	3	2	3	3	3	1			1	.1		.2	2	3						100837	390.0	392.0	0.56	0.011		628		
	○ / ○						4	2	2	4	2	2				1	.3		.5	0	3						100838	392.0	394.75	0.01	0.006		471		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		
	○ / ○																																		

## DDH No. GC03-439

Program	Fall 2003
Date	9/20/2003
Logged By	Petsel
Area	Central zone
Drill Grid	Central
Surveyed By	Muntzert
Survey Method	Ashtech

	UTM	Mine Grid
Easting	351300.306	5971.14
Northing	6335708.646	7614.35
Elevation (m)	758.47	758.47
Section	7623N	

Azimuth (°)	92
Dip (°)	-72
Total Depth (m)	399.28

Drill start date	9/19/03
Drill end date	9/23/03

Core Size	NQ
Drillers	Britton Bros.

Down Hole Surveys									
Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code	Remarks	
260	79.24	68	18	92	72	Sperry	1		
410	124.96	69	17	93	73	Sperry	1		
560	170.68	65	17	89	73	Sperry	1		
710	216.40	78	17	102	73	Sperry	-1	No Good	
860	262.12	88	17	112	73	Sperry	-1	No Good	
1010	307.83	73	17	97	73	Sperry	1		
1160	353.55	77	17	101	73	Sperry	1		
1310	399.28	76	16	100	74	Sperry	1		
1287	392.26	74	33	95	57	Sperry	1		







GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION						SAMPLING				ASSAY DATA											
(m) SCALE	LITH	VEIN	FRAC	SHR FLT TEXT		ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPEC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	% RECOV	SAMPLE No	FROM	TO	MAG SUSCEPT WIDTH	% CU	gm/T AU	gm/T AG	PPM CU			
180					(121.95 - 270.46) Intermediate Volcanics cont.																																
					@ 181.27 - small fault w druse conc. $\delta = 47^\circ$	2											1.5	1									100239	180.0	182.0	0.35	1.12	2.43		>10K			
						4	2									0.5	TR	2									100240	182.0	184.0	0.25	1.02	3.35		>10K			
						3	2									.75	0.5	4									100241	184.0	186.0	8.0	1.92	7.84		8060			
					(184.0 - 262.60) Increase in Magnetite corresponds to inc in Sulfides	3	3									1	0.5	4	TR								100242	186.0	188.0	14.0	BLANK	0.23		703	BLANK		
					ASSEMBLY CONSISTS OF K-SPAR, BIOT, MAG, CB, SPEC, WIKY, SULF.	3	3									1	.75	0.5	4								100243	188.0	190.0	7.3	1.61	6.88		>10K			
190					Best mineralized zone (118.60m)	2	2									1	0.5	TR	4	TR							100245	190.0	192.0	12.0	2.98	7.78		>10K			
						2	3									1	1	TR	4	TR							100246	192.0	194.0	12.0	2.60	4.44		>10K			
						3	3									0.5	2	0.5	3								100247	194.0	196.0	6.4	2.66	6.36		>10K DUPLICATE			
						3	2									1	2	TR	3								100249	196.0	198.0	8.0		1.280		9170			
						3	3	1								0.5	0.5	TR	4								100250	198.0	200.0	8.2	1.88	4.280		>10K			
200						3	3	3								1.5	TR	TR	4								100351	200.0	202.0	4.7		1.300		7740			
					(201.25 - 220.38) Volcanic Breccia textures (V5d?) variable	3	3	2								0.5	0.5	1	4									100352	202.0	204.0	8.3		1.850		7820		
					clast size to 8cm clasts of volcanic bits of variable comp.	3	3	2								0.5	TR	TR	4									100353	204.0	206.0	7.6	1.29	2.700		>10K		
					mostly k-spar rich clasts in biot/chl matrix	3	3	2								TR	TR	TR	4									100354	206.0	208.0	9.3	2.19	4.460		>10K		
					@ 204.83 Bornite concentrated on preclast boundary	3	2	3								0.5	TR	TR	3									100355	208.0	210.0	1.4	1.67	3.870		>10K		
210						2	2	3								TR	TR	TR	3								100356	210.0	212.0	1.8	1.65	3.710		>10K DUPLICATE			
						2	2	2								0.75	0.5	TR	4								100358	212.0	214.0	2.6		.550		1935			
						4	3	2								0.75	TR	TR	4								100360	214.0	216.0	8.1	BLANK	0.005		36	BLANK		
						4	3	1								1	TR		3									100361	216.0	218.0	9.5	1.42	2.040		>10K		
						4	3	1								2.5			4									100362	218.0	220.0	6.2	2.11	2.440		>10K		
220					353 (220.38 - 221.29) Metacrystic Anhydrite dike - Post-mineral but	4	2									TR			4	TR								100363	220.0	222.0	11.0		4.290		8330		
					(19b) Altered, (likely 19b) Contacts are not sharp and hard to discern	3	4									0.5	0.50	TR	4									100364	222.0	224.0	4.3	0.99	.852		>10K		
					strong k-spar Mt. No Sulf. Fract but healed by horn, CB?	3	4									2	0.75	TR	4									100365	224.0	226.0	7.5	1.71	3.530		>10K		
					255 (221.29 - 248.25) mottled int Volcs (V5e?) can't distinguish Bx texture	4	3									0.5	TR	TR	4										100366	226.0	228.0	10.0	2.65	5.330		>10K	
					(V5e) OR original Rock fabric due to heavy alt. and Mineralization	4	3									0.5	TR	TR	4										100367	228.0	230.0	14.0	2.45	4.550		>10K	
230						4	3									3	1		4									100368	230.0	232.0	5.8	3.40	3.12		>10K		
						4	3									3	2		3									100369	232.0	234.0	0.49	4.82	3.68		>10K		
						4	3									2	0.5		3									100370	234.0	236.0	5.4	2.76	4.82		>10K		
						4	3									2			3									100371	236.0	238.0	5.6	1.59	2.10		>10K		
						3	3									2			3									100372	238.0	240.0	2.5	1.45	1.135		>10K		
240						4	3									1	1.5		4									100373	240.0	242.0	5.8	2.22	2.060		>10K		
						3	3									1.5	TR	0.5	3									100374	242.0	244.0	3.7	1.31	1.305		>10K		
						4	3									2	TR	0.5	4									100375	244.0	246.0	4.0	STD	.022		6660	STD	
					(248.25 - 249.13) Megacrystic Porphyry dike (19b?) chilled margins	4	3									2	0.5	2											100377	246.0	248.0	1.6	1.53	2.600		>10K	
					but contacts not sharp. Strong k-spar content with wk biot	4	1										0.75	2										100379	248.0	249.31	1.0	BLANK	0.16		511	BLANK	
					wk pyrite, no chp or Bn. wk horn, CB in matrix. wk patchy mag.	4	3									0.5	0.5	2											100380	249.31	252.0	1.9		.084		2600	
250					520 (D2) (249.13 - 249.35) mafic dike - dk green aphanitic. Mod Mag.	4	3									0.5	0.5	1											100381	252.0	254.0	1.6		.092		4380	
					250 (V5D) (249.35 - 270.46) Volcanic Breccia - variable clast size	3										1.5	0.5	3											100382	254.0	256.0	2.3		.265		8200	
					and composition - still quite mottled in texture. most clasts common	3										2	0.5	4											100383	256.0	258.0	5.2		.292		7420	
					@ 256.0 - 260.0 - zone of large Anhydrite-CB veins	4										1.5	1	4											100384	258.0	260.0	3.2		1.189		6540	
					@ 259 - 262.60 Rock appears silicified but is strongly Carbonate	4										0.5	1	4											100385	260.0	262.6	3.9		.079		3310	
					(262.60 - 270.46) Textural change in Volcanics, loss of Mag	3	2	3											1										100386	262.6	264.0	0.2	DUPLICATE	0.092		3350	DUP
					and inc in chloritic content in matrix makes clasts more discernable	3	2	3																					100387	264.0	266.0	0.4		.050		1495	
					@ 265.31 - Minor Carb filled shear w blebby Py + minor hem.	2	2	3																					100388	266.0	268.0	0.09		.060		2550	
270					@ 270.0 - common late CB veins cutting Carb Garnet...	2	2	3																					100390	268.0	270.46	0.06		.032		489	



GRAPHIC LOG					ROCK TYPE	DESCRIPTION	ALTERATION										MINERALIZATION						SAMPLING				ASSAY DATA										
(m) SCALE	LITH	VEIN	FRAC	SHR FLT			TEXT	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SULPH	% RECOV	SAMPLE No.	FROM	TO	M&S	% CU	gm/T AU	gm/T AG	PPM CU	
360						273.15-368.21																															
						358-368		2	2	4	2	1		2					2									100445	360	362	0.02		.034		909		
								2	2	4	3		1			TR			2								<del>100446</del>	<del>362</del>	<del>364</del>	<del>0.36</del>		<del>.108</del>		<del>1765</del>			
								2	1	4	3		1						2								100447	362	364	0.36		.109		1990			
								2	1	4	3		1														100448	364	366	0.08		.030		385			
								2	1	4	3		1														100449	366	368.21	0.14		.044		812			
						368.21-369.66		3	3	1					15				3								100450	368.21	369.66	4.40		.147		4100			
						370(13)		2	3	1					15				2								100751	369.66	371.65	3.0		.137		3010			
								4	3										1								100752	371.65	373.70	1.6		.137		1305			
						369.66-371.65		4	3										2								100753	373.70	375.80	1.7		.062		993			
						378(11A)		4	3										1								100754	375.80	378.0	2.4		.121		1100			
								3	3	3		3	1	2													<del>100755</del>	<del>378.0</del>	<del>380</del>	<del>1.7</del>		<del>&lt;.0055</del>		<del>7</del>			
						371.65-375.80		2	3	3		2	1	1													100756	378.0	380	1.7		.349		2670			
								2	3	3		3															100757	380	382	0.08		.049		1185			
								2	3	3		3															100758	382.0	384.0	0.20		.023		1465			
								2	3	1		1							2								100759	384.0	386.0	0.51		.108		2160			
						375.80-399.20a		2	3	3		3		1					2								100760	386.0	388.0	0.87		.064		490			
						340		1	2	2		2							1	0.5							<del>100761</del>	<del>388.0</del>	<del>390.0</del>	<del>0.02</del>		<del>2.91</del>		<del>55</del>			
								1	2	2		1															100762	388.0	390.0	0.02		.006		100			
								1	1	3		1		1						0.5							100763	390.0	392.0	0.08		.023		470			
								1	1	3		1		1													100764	392.0	394.0	0.00		.034		676			
								1	1	3		1		1													100765	394.0	396.0	0.06		.016		320			
								2	1	2		1		2													100766	396.0	398.0	0.05		.012		369			
								2	2	1		2		1													100767	398.0	399.28	0.06		.016		88			
400						399.28 T.D.																															
410																																					
420																																					
430																																					
440																																					
450																																					

Fe-hem  
25%

37°

12

anh-hem

anh-hem

8

anh-hem

368.21

370

399.25

(0.25)

395

(0.25)

52

DDH No. GC03-440

<b>Program</b>	Fall 2003
<b>Date</b>	10/14/2003
<b>Logged By</b>	Stephens
<b>Area</b>	N. Gold lens
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	351216.795	5890.79
<b>Northing</b>	6335612.137	7515.2
<b>Elevation (m)</b>	763.385	763.385
<b>Section</b>	7517N	

<b>Azimuth (°)</b>	90
<b>Dip (°)</b>	-60
<b>Total Depth (m)</b>	115.82

<b>Drill start date</b>	9/24/03
<b>Drill end date</b>	9/25/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Down Hole Surveys</b>	None
--------------------------	------

<b>Comments</b>	Hole failed, broken ground
-----------------	----------------------------

# SpectrumGold Inc.

## Galore Creek Project

N090/60 NORTH GOLD LENS - CENTRAL ZONE

START: 24-SEP-03 FINISH: 25-SEP-03

D.D.H. No.: GCO3-440

Prop hole A

UTM 351216.795N 6335612.137E EL 763.985 SHEET: 1 of 2

115.82m TD Section 7517N

MINE GRID 5890.79E 7515.2N LOGGED BY J. STEPHANS 11-OCT-03

GRAPHIC LOG					DESCRIPTION	ALTERATION											MINERALIZATION						SAMPLING				ASSAY DATA								
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SI	CP	BN	PY	MAG	HEM	LIM	MAL AZU	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gm/T AU	gm/T AG	ppm CU	
0						(900) (OVB) 0-9.14m (OVERBURDEN) -																				NO SAMPLES 0-9.14									
9.14	0					(353) I9.6? 1 M. GR ORTHOCLASE SYENITE MEGACRYSTIC	0	0	0	1	1	1					0	0	1	0	2	1					101420	9.14	12.19	0.06		0.031		427	
						LIM 2cm ANH * SIMONAL PORPH SIZE LARGE SIZE	1	0	0	1	1	2					25	0	25	0	3	2					101421	12.19	15.24	0.03		0.024		1090	
						POPULATION ~ 2-5cm LENGTH, SMALL																										0.618		2520	
						LIM 0.2cm POPN ~ 0.3-1.5cm LENGTH, LARGE PORPHS	1	0	1	2	1	3					5	1	5	0	2	2					101422	15.24	18.29	0.02		0.016		6490 STD	
						17.8 12-1 13.5m VN 15.1 FRAC HEM 17.8 VN 12-1 17.8 FRAC LIM MORE ZONED & PINK SMALLER PORPHS WHITER & LESS ALTD -> SOME MAY BE PLAG??? FRACTURED & LIMONITIC W ANH CPY FRAC ± BORN ± EPI ± GAR	1	0	0	1	0	1	1				25	0	25	0	1	2						101424	18.29	21.33	0.06		0.031		825
						26.5 FRAC CL LIM THIS UNIT, ALTHOUGH MEGACRYSTIC, IS UNLIKELY TO BE LATE AS IT IS MINED & ALTD WEAKLY	1	0	1	1	1	1					1	1	1	0	1	1					101425	21.33	24.38	0.03		0.031		625	
						33.0 BIO LIM VARIABLE WEAK ORTH / EPI / HEM ALTN VERY FRACTURED, WEAKLY OXIDIZED TO ~ 50.0m	2	0	1	1	0	1	1				0	0	0	0	1	2					101426	24.38	27.43	0.29		0.021		514	
						39.6-42.6 U. STR FRACTURING & ORTH ALTN MINOR CPY ± PI ON AFEN FRAC	2	0	1	1	0	1	1				0	0	0	0	1	2					101427	27.43	30.48	0.03		0.021		512	
							1	1	0	1	0	1	1				0	0	0	0	2	1					101428	30.48	33.53	0.51		0.015		262	
							2	0	1	1	0	1	0				0	0	0	0	1	0					101429	33.53	36.57	0.60		0.013		274 DUP	
							2	0	1	1	0	1	0				0	0	0	0	1	1					101430	36.57	39.62	0.19		0.018		542	
							3	0	0	1	0	0	0				1	0	1	0	2	1					101431	39.62	42.67	0.36		0.02		431	
							1	1	0	1	0	1	0				0	0	0	0	1	0					101432	42.67	45.72	0.25		0.047		402	
							1	0	1	1	0	1	1				0	0	0	0	1	1					101433	45.72	48	0.85		0.051		326	
							4	2	2	2	0	1	0				0	0	1	2	1	1					101434	48	50	0.02		0.005		12 BLANK	
						(365) I8.9??? M. GR. SYENITE??? 48.0-87.0 STRONGLY ALTERED, PROTOLITH UNCERTAIN	4	2	2	2	0	1	0				0	0	0	1	1	0					101436	50	52	0.02		0.018		182	
						52.2 BIO FRAC 0.2cm DISTINCT ALTN OF ORTHOCLASE MATRIX WITH	4	3	0	1	0	1	0				0	0	0	2	1	0					101437	52	54	1.7		0.031		225	
						54.1 ANH CPY M 2cm DIFFUSE BLUE/GREY PHENOS THAT ARE SOFT	4	3	0	1	0	1	1				1	0	1	2	1	0					101438	54	56	0.10		0.017		272	
						57.4 PY FRAC 0.1cm ANA ALTD BY BIO & CHL & EPI. THEIR ORIGINAL COMPOSITION IS UNKNOWN. NOTE THIS HAS BEEN	4	3	0	1	0	1	1				0	0	1	2	1	0					101439	56	58	5.7		0.014		346	
						61.7 BIO HEM CALLED PSEUDOLEUCITE BY ERIN ± MIKE, HOWEVER I AM UNCERTAIN. ALSO CONTAINS AREAS OF BIO CLOTS LOCALLY W STRONG	4	3	0	1	0	2	1				0	0	0	2	1	0					101440	58	60	10.0		0.044		489	
						66.0 BIO PY CPY FRAC MAG & ALSO CL & HEM ALTN	3	4	2	1	0	2	0				0	0	1	3	2	0					101441	60	62	0.44		0.015		349	
						68.5 BIO PY CPY FRAC 0.1cm STILL VERY BROKEN CORE	4	2	2	2	0	1	0				1	0	1	1	1	0					101442	62	64	0		0.056		641	
						73.0 BIO PY FRAC	4	1	1	1	0	1	0				1	0	1	0	1	0					101443	64	67.05	0.02		0.054		6760 STD	
						75.2 CPY ANH FRAC	4	1	1	1	0	1	0				1	0	1	0	1	0					101444	67.05	70.10	6.4		0.016		427	
							4	2	2	1	0	1	1				0	0	0	2	1	0					101445	70.10	73.15	0.03		0.022		476	
							4	2	0	1	0	1	1				0	0	0	1	3	2	0				101446	73.15	76.20	0.40		0.02		221	
							4	2	2	1	0	1	1				0	0	0	2	1	0					101447	76.20	79.24	0.90		0.013		146	
							4	2	0	1	0	1	1				1	0	1	2	1	0					101448	79.24	82.29	1.50		0.011		299	
							4	3	1	1	0	1	1				0	0	1	1	1	0					101449	82.29	85.34	5.0		0.011		273 DUP	
							4	3	2	1	0	1	1				25	0	25	2	1	0					101450	85.34	87	1.9		0.028		882	
							4	2	0	1	0	1	1				1	0	1	2	1	0					101451	87	89.3	1.5		0.005		292	
							4	3	1	1	0	1	1				0	0	1	1	1	0					101452	89.3	91			0.02		397	
							4	3	2	1	0	1	1				0	0	1	1	1	0					101453	91	91			0.017		385	
						(365) KFX LATHES 2-5cm LENGTH & CLEAR PLAG? WHITE F	0	0	0	1	0	0	0				0	0	0	2	1	0					101454	91	91			0.009		91	
							0	0	0	1	0	0	0				0	0	0	2	1	0					101455	91	91			0.009		7 BLANK	

BIO PY FRAC < 0.7cm LENGTH, STRONG ALIGNMENT OF KFX PHENOS



## DDH No. GC03-441

<b>Program</b>	Fall 2003
<b>Date</b>	10/9/2003
<b>Logged By</b>	Stephens
<b>Area</b>	S. Gold lens
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	350740.509	5462.37
<b>Northing</b>	6334137.139	6025.59
<b>Elevation (m)</b>	809.591	809.591
<b>Section</b>	6033N	

<b>Azimuth (°)</b>	95
<b>Dip (°)</b>	-56
<b>Total Depth (m)</b>	459.33

<b>Drill start date</b>	9/25/03
<b>Drill end date</b>	9/30/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

Down Hole Surveys								
Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code	Remarks
107	32.61	071	34	095	56	Sperry	1	spurious azi
207	63.09	063	33	087	57	Sperry	1	spurious azi
407	124.05	065	32	089	58	Sperry	1	
557	169.77	068	33	092	57	Sperry	1	
707	215.48	050	30	074	60	Sperry	-1	STUFFED!
857	261.20	067	33	091	57	Sperry	1	
1007	306.92	070	33	094	57	Sperry	1	spurious azi
1157	352.64	067	33	091	57	Sperry	1	
1307	398.35	075	35	099	55	Sperry	-1	STUFFED
1457	444.07	078	35	102	55	Sperry	-1	STUFFED





GRAPHIC LOG						DESCRIPTION	ALTERATION										MINERALIZATION							SAMPLING				ASSAY DATA											
(m) SCALE	LITH	VEIN	FRAC	SHR FLT	TEXT		ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SURPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG	ppm CU			
90	94.3					AS ABOVE	1	1	0	0	0	0				0.5	1	TR	0									100532	90.53	93.57	0.01		0.771		7560				
						360 I6/I8a F-MGR SYENITE DARK GREY TO CREAM - BLEACHED. VARIABLY ALTM THROUGHOUT w STRONG BIO & WK ORTH IN SOME AREAS (DARK) & STRONG ORTH. IN OTHERS (CREAM/BLEACHED). MOD DISSEM BORNITE & CPY THROUGHOUT GOOD ZONE	3	3	0	0	0	0					1	1	TR	0								533	93.57	96.62	0.01	2.28	2.42		>10000				
							4	1	0	0	0	0					1	1	TR	0								534	96.62	99.67	0.01		0.496		5800				
100							4	1	0	0	0	0					1	1	TR	0								536	99.67	102.72	0.01		20.005		58				
						DIKE ~1m WIDE IS UNMINZ THIS LATE	3	2	0	0	0	0					2	2	0	0									537	102.72	105.77	0.00		0.27		4680			
						IT IS PORPH. DARK SYENITE (I4b) DIKE HAS ONLY TRACE PY. V. STRONG BORNITE & ORTHOCLASE ALTM IN THE ~0.6m DOWNHOLE FROM DIKE	4	1	0	0	0	0					2	4	0	0										538	105.77	108.81	0.01	1.32	0.539		>10000		
110	111.86						4	1	0	0	0	0				0.5	1	0	0										540	108.81	111.86	0.00		2.94		112			
						360 I6/I8a F-MGR SYENITE DARK COLOURED DUE TO STRONG BIO ALTM, GENERALLY WK ORTH. STR BORNITE DISSEM THROUGHOUT, LESSER CPY. BEST BORNITE IS ASSOC w CLOTS OF BIO ALTM. LOCAL ZONES OF STRONG ORTH ALTM. MOD CARB ALTM THROUGHOUT. V. GOOD ZONE	2	4	0	0	0	3	1				1.5	3	0	0											541	111.86	114.91	0.02	1.98	0.817		>10000	
							1	4	0	0	0	3	1				2	4	0	0										542	114.91	117.96	0.00	4.2	2.2		>10000		
120	117.20					363 I8a M GR SYENITE BLEACHED-CREAM w STR ORTH ALTM. WK-MOD DISSEM BORNITE & CPY ORTHOCLASE VNS. POSS ALSO LATE CLAY ALTM OVERPRINT	2	3	0	0	0	2					0.5	2	0	0											543	117.96	121.01	0.00	2.45	1.96		>10000	
							1	2	0	0	0	0					0.5	1.5	0	0										544	121.01	124.05	0.00		0.12		2210		
						363 I8a M GR SYENITE MEDIUM TO DARK COLOURED QUITE HOMOGENOUS. MOD BIO & ORTH & CARB ALTM. GOOD DISSEMINATED BORNITE THROUGHOUT. BORNITE REPLACES BIO. LESSER CPY OCCURS IN ASSOC w BORNITE. A FEW CB FILLED FRACS @ 131-2 THERE IS A BORNITE/CPY VN ~0.5cm WIDE. THIS IS A GOOD "BREAD & BUTTER" ZONE OF MINERALIZATION.	2	3	1	0	0	2						1	2	0	0										545	124.05	127.10	0.02	1.69	1.105		>10000	
							2	3	1	0	0	2					0.5	1	0	0										546	127.10	130.15	0.01	2.18	1.395		>10000		
							2	3	1	0	0	2					0.5	2	0	0										548	130.15	133.20	0.04	3.18	1.555		>10000		
							2	3	1	0	0	1					1	2	0	0										549	133.20	136.25	0.00	4.49	1.095		>10000		
							3	2	0	0	0	1					1	3	0	0										550	136.25	139.29	0.00	3.8	1.755		>10000		
140	142.0						2	3	1	0	0	1					0.5	3	0	0										551	139.29	142.0	0.60	3.08	2.08		>10000		
						520 D2 MAFIC DIKE - LATE FGR MAFIC DIKE CUTS MINZD SYENITE. MINOR, SMALL PLAG7 PHENOS WK CLAY ALTM. BOTTOM ~0.7m HAS CB FRACS w CPY	0	0	2	2	0	2					0.5	0	0	0											552	142.0	145.39	1.20		20.005		720	
							0	0	1	2	0	2					1	0	TR	1										553	145.39	148.20	1.8		0.014		824		
150	148.2					363 I8a M GR SYENITE LIGHT GREY TO LIGHT GREEN GENERALLY EQUIGRANULAR. RARE ORTH PHENOS. MOD EPIDOTE ALTM. WK ZONES OF ORTH ALTM V. WK TO TRACE DISSEM BORN, TR CPY MINOR THIN CB FRACS.	1	0	1	2	0	1					FR	TR	0	1											554	148.2	151.49	1.1		0.053		1580	
							1	0	1	2	0	1					TR	TR	0	1										556	151.49	154.53	0.39		0.026		535		
							1	0	1	2	0	1					TR	0.25	0	1										557	154.53	157.58	1.2		0.109		2130		
160	157.58					343 I4a DARK SYENITE PORPHYRY DIKE OR SILL. DIFFUSE TEXT. WK-MOD DISSEM CPY. BORNITE ON CB FRACS, MOD BI ALTM	0	2	1	0	0	1					0.5	0.25	0.25	0											558	157.58	160.63	0.1	1.85	0.951		>10000	
							0	1	1	0	1						0.25	TR	0	0										560	160.63	163.68	0.17		0.081		5100		
						330 I3a GREY SYENITE PORPHYRY MGR w KFX PHENOS UP TO 0.5cm, COMMONLY LESS THAN 0.5cm LONG. DIFFUSE TEXT. WK-MOD BIO ALTM THROUGHOUT. SOME ZONES MORE PORPHYRIC THAN OTHERS. LOCAL ZONES OF STR ORTH ALTM. WK-MOD DISSEM CPY & BORN THROUGHOUT, BECOMING WEAKER BELOW ~185m. V. WEAK CB ALTM.	1	2	1	0	0	1							1	TR	0	0										561	163.68	166.73	0.03		0.272		3570
							1	2	2	0	0	1					1	1	0	0										562	166.73	169.78	0.03	1.75	0.786		>10000		
170	162.0						3	2	0	0	0	1					1	1.5	0	0										563	169.78	172.82	0.02	2.06	1.14		>10000		
							2	2	1	0	0	1					0.25	TR	0	0											564	172.82	175.87	0.02		1.205		6810	
							2	2	1	0	0	1					0.5	0.25	TR	0											100565	175.87	178.92	0.03		0.309		4810	

535 BLANK  
539 5PM 15Z

647 DUP

555 BLANK

559 SCULP

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION							SAMPLING				ASSAY DATA										
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG	ppm CU			
180						AS ABOVE	2	2	1	0	0	1					0.5	TR	TR	0							100566	178.92	181.97	0.0	1.94	1.022		>10000			
						GREEN SYENITE PORPHYRY	1	2	0	0	0	1					0.5	0.25	0	0							568	181.97	185.01	0.02	1.93	1.46		6570	567		
						DIFFUSE TEXT	1	2	0	0	0	1					0.5	TR	0	0							569	185.01	188.06	0.0				4830			
						SOME ZONES HAVE WEAK SILICA ALT <sup>M</sup> w	1	3	0	0	0	1					0.25	TR	TR	1							570	188.06	191.11	0.01				7060			
						ASSOC. CL & EPIDOTE POSS ALSO WK	1	2	2	0	0	1					TR	0	TR	0							571	191.11	194.16	0.04				1725			
						SER IN THESE AREAS	1	2	2	0	0	1					TR	0	TR	0							572	194.16	197.21	0.01				2040			
						SOME FINE DISSEM PY & LPT THROUGHOUT	1	2	2	6	0	1					TR	0	TR	0							573	197.21	200.26	0.02				5310			
						THOUGH VERY WEAK IN GENERAL	1	3	0	0	0	1					0.25	0	0.25	0							574	200.26	203.30	0.21				1320			
200						363 B? M. GR SYENITE AS IN SECTION 148.2-157.58	1	2	1	1	0	1					0.25	0	TR	1							574	200.26	203.30	0.21				45	575		
						LIGHT GREEN-GREY MOD EPI ALT <sup>M</sup> TR-WK DISSEM PY & LPT	0	0	1	3	0	1					0.25	TR	0.25	1							576	203.30	206.35	1.1				2260			
210						330 I3a? GREEN SYENITE PORPHYRY DARK GREY-LIGHT GREY	1	4	2	0	0	2					TR	0	0.25	1								577	206.35	209.40	0.2				1635		
						PHENOS UP TO 0.8mm LONG STR BIO ALT <sup>M</sup> TR TO WK	0	4	1	0	0	3					TR	0	TR	1							578	209.40	212.45	0.88				703			
						DISSEM PY & LPT ASSOC w STR BIO ALT <sup>M</sup> LOCAL CL SHEARS.	0	0	0	2	0	0					TR	0	TR	1							580	212.45	215.49	1.3				969			
						LATE GREY MEGAPORPHYRY DIKE/SILL @ BASE ~ 0.6m WIDE	0	0	0	2	0	0					TR	0	TR	1							581	215.49	218.54	0.93				1510			
220						363 B? M. GR SYENITE AS IN 148.2-157.58, THOUGH	0	0	0	2	0	0					TR	0	TR	1							582	218.54	221.59	0.87				252			
						WKLY PORPHYRITIC IN UPPER SECTION.	0	0	0	2	0	0					TR	0	TR	1							583	221.59	224.64	0.74				339			
						LOWER SECTION MOSTLY EQUIGRANULAR. MOD EPI ALT <sup>M</sup>	0	0	0	2	0	0					TR	0	TR	1							584	224.64	227.69	0.60				1460			
						ESSENTIALLY UNMINERALIZED ALTHOUGH A FEW FRACTS	0	1	0	2	0	1					TR	0	TR	1							585	227.69	230.73	0.17				3010			
						CONTAIN CB, PY & LPT.	2	1	0	2	0	1					TR	0	TR	1							586	230.73	233.78	0.05				1620			
230						330 I3a GREEN SYENITE PORPHYRY AVG. PHENO LENGTH	1	2	0	0	0	2					TR	0	TR	0								587	233.78	236.83	0.59				1575	587	
						~ 15m V.F GR MATRIX, B100CB FRACTS w WK	1	2	0	0	0	2					TR	0	TR	0								588	236.83	239.88	0.46				537		
						PY & LPT ALT <sup>M</sup> THUS PROBABLY EARLY	1	2	0	0	0	2					TR	0	TR	0								589	239.88	242.93	0.37				524		
						PHASE INTRUSIVE. MOD CB THROUGHOUT PHENOS BECOME	2	1	0	0	0	3					TR	0	TR	1									590	242.93	245.97	0.32				538	
						LARGER DOWNHOLE. MAX ~ 4cm LONG PHENOS	1	1	0	0	0	3					TR	0	TR	1								591	245.97	249.02	0.41				963		
						BROKEN UNTIL ~ 269m THEN STICK ROCK.	1	1	0	0	0	3					TR	0	TR	1								592	249.02	252.07	0.39				464		
						THIS THIS IS GENERALLY UNMINERALIZED UNIT	1	1	0	0	0	2					TR	0	TR	1								593	252.07	255.12	0.53				772		
						ALTHOUGH IT IS CERTAINLY EARLY	1	1	0	0	0	2					TR	0	TR	1								594	255.12	258.17	1.3				330		
						RARE ZONES OF ↑ ORTH ALT <sup>M</sup>	1	1	0	0	0	1					TR	0	TR	1								595	258.17	261.21	0.84				346		
						V. WEAK GAR & EPI ALT <sup>M</sup> FROM ~ 252m	1	1	0	0	0	1					TR	0	TR	1								596	261.21	264.26	0.64				196		
						SOME WK HEM ALT <sup>M</sup> OF BIO FROM ~ 258m	0	0	1	1	0	2					TR	0	TR	1								597	264.26	267.31	0.77				6500		
							0	1	0	1	1	1					TR	0	TR	1								598	267.31	270.36	0.96				447		
							0	1	0	1	1	1					TR	0	TR	1								100600	267.31	270.36	0.96				447		
270							1	1	0	1	0	1					TR	0	TR	1								100601	267.31	270.36	0.96				447		

**SpectrumGold Inc.**  
Galore Creek Project

D.D.H. No.: G03-441

SHEET: 4 of 6

GRAPHIC LOG					DESCRIPTION	ALTERATION											MINERALIZATION					SAMPLING				ASSAY DATA									
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG
270						330 I3g AS ABOVE	1	1	0	1	0	1					0	0	TR	1								100602	270.36	273.41	1.0		0.021		287
						SOME THIN ANH FRACTS	1	1	0	1	0	1					0	0	TR	1							100603	273.41	276.45	0.81		0.023		339	
280						MASSIVE	0	0	1	1	0	1					0	0	TR	1							100604	276.45	277.50	1.1		0.03		463	
							0	0	1	1	0	1					0	0	TR	1							605	279.50	282.55	0.64		0.031		571	
						2853 - ANH/PY FRACTS & WK DISSEM PY, WK ORTH ALTM	0	0	0	1	0	1	2				0	0	0.25	1							606	282.55	285.60	0.35		0.029		183	
						285-8-292.7 WK CRACKLE FRACTURING IN ANH/PY	1	0	0	1	0	1	1				0	0	0.5	0	1						608	285.60	288.65	0.08		0.036		87	
290						WK - MMS PERVASIVE ORTH WK EP & TR HEM	2	0	1	2	0	1	2				0	0	0.5	0	1						609	288.65	291.69	0.13		0.032		293	
						MASSIVE, A FEW ANH/PY FRACTS	2	0	0	1	0	1	1				0	0	TR	0							610	291.69	294.74	0.02		0.023		125	
							1	0	0	1	0	1	1				0	0	TR	0						611	294.74	297.79	0.06		0.018		127		
300						301.5 - 304.1 DYKE/SILL OF F-M GR I6-I8g	1	0	0	1	0	1	1				0	0	TR	0						612	297.79	300.84	0.13		0.014		177		
						330 LIKELY EARLY SYENITE STR EPI ALTM, WK BIO	0	1	0	3	0	2	1				0	0	TR	0							613	300.84	303.89	0.62		0.022		354	
						WK PY/ANH FRACTS, POSS WK SILICA ALTM	0	1	0	1	0	1	1				0	0	TR	0							614	303.89	306.93	0.40		0.028		463	
						MASSIVE	0	1	0	0	0	1	1				0	0	TR	0							616	306.93	309.99	0.14		0.005		5	
310							0	0	0	1	0	1	2				0	0	TR	0						617	309.99	313.03	0.01		0.016		280		
						BA SOME ANH/PY FRACTS	0	0	0	1	0	1	1				0	0	TR	0						618	313.03	316.08	0.20		0.013		298		
						WK GAR ALTM COMES IN ~ 316m	0	0	0	1	1	1	1				0	0	TR	0						620	316.08	319.13	0.06		0.509		123		
320							0	0	0	1	1	1	1				0	0	TR	0						621	319.13	322.17	0.33		0.015		147		
						INCREASING PY & TR CPY FROM ~ 320m	0	1	0	2	1	1	2				TR	0	25	0						622	322.17	325.22	0.09		0.017		153		
						SOME ANH VNS UP TO ~ 2cm IN BIO SELVAGE	0	1	0	2	1	1	2				TR	0	25	0						623	325.22	328.27	0.03		0.013		123		
						& COMPAN PY & TR CPY	0	1	0	2	1	1	2				TR	0	25	0						624	328.27	331.32	0.06		0.01		139		
330						@ 229.35 PSEUDOLEUCITE? PHENO ZONES ~ 5cm DIAM	0	0	0	1	1	1	1				TR	0	TR	0							625	331.32	334.37	0.05		0.015		97	
						MASSIVE, THOUGH WEAK ALIGNMENT OF	0	0	0	1	1	1	1				0	0	TR	0							626	334.37	337.41	0.03		0.013		141	
						KFX PHENOS → IGNEOUS FABRIC	0	1	0	1	1	0	0				0	0	TR	0							627	337.41	340.46	0.07		0.011		107	
						RARE ANH/PY/CPY/BIO FRACTS	0	1	0	1	1	0	0				0	0	TR	0							628	340.46	343.51	0.05		0.011		116	
340						BI FRACTS, POSS WK SILICA ALTM	0	1	0	1	1	1	1				TR	0	TR	0							629	343.51	346.56	0.04		0.017		252	
							0	1	1	1	1	1	1				0	0	TR	0						630	346.56	349.61	0.07		0.011		112		
						ANK/BI/CPY/PY VNS	0	1	0	1	1	1	2				TR	0	TR	0							631	349.61	352.65	0.04		0.006		171	
350							0	1	1	1	1	1	1				0	0	TR	0						632	352.65	355.70	0.07		0.012		137		
							0	1	0	1	1	1	1				0	0	TR	0						633	355.70	358.75	0.04		0.016		173		
						RARE BIO/PY/CPY FRACTS	0	1	1	1	1	1	1				TR	0	TR	0							100634	358.75	361.80	0.08		0.01		126	
360																																			

184

BLANK

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION						SAMPLING				ASSAY DATA																	
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SI	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG	PPM CU						
360						AS ABOVE	0	0	0	1	1	1	1				0	0	TR	0									100	636	358.75	361.8	0.13		0.016		133						
						LARGE PSEUDOLEUKITE PHENOS 3-5cm DIAM	0	0	0	1	1	1	1				0	0	TR	0										637	361.8	364.85	0.04		0.009		107						
						@ 363.6 - 366.8m	0	0	1	1	1	1	1				TR	0	0.5	0										638	364.85	367.89	0.14		0.014		183						
						ANH/PT/CPY FRACTS W ASSOC. WK DISSEM. PY ASSOC. WK SILICA	0	0	0	1	1	1	1				0	0	TR	0											640	367.89	370.94	0.03		0.009		189					
370							0	0	0	1	1	1	1				TR	0	TR	0										641	370.94	374.00	0.03		0.012		279						
						PT CLOTS FROM 374.9 W TR CPY, BI/CO/PT FRACTS	0	1	0	1	1	1	1				TR	0	1	0											642	374	376	0.02		0.04		757					
							0	1	0	1	1	1	1				TR	0	1	0										643	376	378	0.08		0.046		901						
380						363 8a M GR SYENITE EARLY	0	3	1	0	0	0	1				5	0	1.5	0											644	378	380	0.0		0.024		581					
						DARK COLOUR, MOD BI ALTM, SIGNIFICANT CLOTS	0	3	1	0	1	1	1				5	0	1.5	0	1											645	380	382	0.05		0.021		781				
						OF PY ± CPY THROUGHOUT, CLOTS UP TO 0.5cm DIAM	1	3	1	1	0	1	1				1	0	1	0	1											646	382	384	0.0		0.021		807				
						ANH FRACTS, WKLY (POSS PHENOCRIST) LOCALLY REMNANT PSEH	3	2	2	1	0	1	1	1				1	0	2	0	1										648	384	386	0.01		0.02		836				
						- 384-385m STR ORTH + CL ALTM	0	3	1	1	0	1	1	1				1	0	2	0	1										649	386	388	0.07		0.151		4750				
						389-393m PORPHYRITIC ZONE, LESS FRACTS + ALTM STR	1	2	1	3	2	0	1					5	0	1	0	1											650	388	390	0.39		0.064		1885			
390						EPIDOTE ALTM, BIO+ORTH ALTM AROUND ANH/CPY FRACTS, WK HEM ALTM	1	2	1	3	1	2	2				TR	0	0.5	1													651	390	392	0.16		0.001		119			
						WEAKEN PY ± CPY, GT CLOTS @ ~389.4m	1	2	1	3	1	2	1				5	0	1	3	1											652	392	394	0.16		0.092		2330				
						- MUCH MORE SIGNIFICANT PY/CPY + BIO FROM 392.8m LOCALLY STR MAG	1	4	0	1	0	2	1				1.5	0	4	3	1												653	394	396	2.6		0.523		8360			
						CPY:PY RATIO INCREASES DOWNHOLE FROM ~400m	0	4	0	2	1	1	1				2	0	5	1	1												654	396	398	0.56		0.185		6270			
						T MORE NUMEROUS ANH/PY/CPY/CL/SI VNS	0	4	0	1	0	1	1				1.5	0	4	1	1												656	398	400	0.66		0.01		66			
400							0	4	0	0	0	1	2				1.5	0	3	1												657	400	402	0.25		0.135		5630				
						- CL/SI ALTM FRACT ZONE ~402.3-403.6m	0	3	2	0	0	1	3	1	1			1.5	0	3	1												658	402	404	0.04		0.082		6090			
							0	3	1	0	0	1	2				1	0	3	1													660	404	406	0.46		0.513		130			
							0	4	0	0	0	1	2				1	0	4	1													661	406	408	0.42		0.117		6250			
						- 408.8-409.2m WK ZONE OF CL/SI ALTM A DISSEM CPY, GYP VNS	0	3	1	0	0	1	2	1				2	0	3	1													662	408	410	0.02		0.13		5830		
							0	4	1	0	0	1	1				2.5	0	2.5	1													663	410	412	0.02		0.196		9120			
410							0	4	1	0	0	1	1				2	0	2	1													664	412	414	0.10		0.146		8450			
						- ~415m @ ~40m ZONE ANH & GYP VNS W STR	0	4	1	0	0	1	1	1				2	0	2	1													665	414	416	0.00		0.177		4920		
						ASSOC CL/SI ALTM, INCREASES CPY	0	4	1	0	0	1	2	1				2	0	1.5	1												666	416	418	0.05		1.08		6430			
						~419.6-423.5 INCREASED CL/SI ALTM, MAG & TR HEM	0	3	2	0	0	1	2	1				2	0	2	0													668	418	420	0.36		0.187		>10000		
420							0	2	3	0	0	1	2	1				1	0	2.5	2												669	420	422	0.01		0.178		>10000			
						423.5-426.5 STR BIO AGAIN ↑ SULPHIDE	0	3	2	0	0	1	2	1				1	0	3	1													670	422	424	0.01		0.244		8020		
						426.5-433.2 INCREASED CL & SI ALTM, BIO MOD, CL/SI	0	4	0	0	0	1	1					2	0	6	0													671	424	426	0.22		0.18		9610		
						INCREASED CPY/PT RATIO IN GENERAL, MINOR GAR	0	3	3	1	1	1	1					2	0	4	0	1											672	426	428	0.10		0.229		8300			
						ALSO MYSTERY BLACK MINERAL, POSSIBLY NEODYSITE. ↑CPY/PY RATIO	0	2	3	1	0	1	2	1	1	2			2	0	2	0												673	428	430	0.03	1.03	0.267		9110		
430						- 426.5-445.30 FINE GRAINED, VERY CONSISTENT BIO ALTM	0	2	3	1	0	1	2	1	1	2			2.5	0	1.5	0												674	430	432	0.02	1.8	0.357		>10000		
						STRONG DISSEMINATED FINE CPY & PT, AWESOME MIN!	0	3	2	1	0	1	1	1	1				2	0	2	0												676	432	434	0.14	1.39	0.405		143		
							0	4	1	0	0	1	1					4	0	2	0													677	434	436	0.00	2.23	0.341		>10000		
							0	4	1	0	0	1	1					4	0	2	0													678	436	438	0.00	2.23	0.894		>10000		
440							0	4	1	0	0	1	1					3	0	3	0													680	438	440	0.00	1.68	0.344		6786		
							0	4	2	0	0	1	1					0	0	3	0													681	440	442	0.04	1.18	0.156		>10000		
							0	4	2	0	0	1	1					4	0	2	0													682	442	444	0.05	1.29	0.209		>10000		
							0	3	1	0	0	1	0					5	0	2	0													683	444	446	0.05	1.12	0.164		71000		
						I2 PSEUDOLEUKITE MEGA PORPHYRY	0	3	1	0	0	1	0					7	0	2	0														684	446	448	0.01	2.3	0.153		>10000	
450						V. STRONG, CLOTTY & DISSEM CPY, LESS GR. PY	0	2	1	0	0	1	0					6	0	2	0														100	685	448	450	0.03	1.93	0.16		>10000

WITH // ANH VNS W CPY VERY GOOD ZONE! AUBBA AUBBA

5-CC-108

BLANK

5-PM-184

5-CC-108

>10000



DDH No. GC03-442

Program	Fall 2003
Date	10/14/2003
Logged By	Stammers
Area	N. Gold lens
Drill Grid	Central
Surveyed By	Muntzert
Survey Method	Ashtech

	UTM	Mine Grid
Easting	351216.795	5890.79
Northing	6335612.137	7515.2
Elevation (m)	763.385	763.385
Section	7517N	

Azimuth (°)	85
Dip (°)	-68
Total Depth (m)	563.88

Drill start date	9/25/03
Drill end date	10/1/03

Core Size	NQ
Drillers	Britton Bros.

Down Hole Surveys

Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code	Remarks
50	15.24	48	22	72	68	Sperry	-1	Questionable Azimuth
200	60.96	61	22	85	68	Sperry	1	
350	106.67	64	22	88	68	Sperry	1	
500	152.39	59	22	83	68	Sperry	-1	
650	198.11	58	22	82	68	Sperry	-1	
800	243.83	66	22	90	68	Sperry	1	
950	289.55	59	22	83	68	Sperry	-1	
1100	335.26	64	22	88	68	Sperry	1	
1250	380.98	65	22	89	68	Sperry	1	
1400	426.70	67	22	91	68	Sperry	1	
1550	472.42	70	22	94	68	Sperry	1	
1700	518.13	69	23	93	67	Sperry	1	
1850	563.85	67	23	91	67	Sperry	1	



or garnet  
or similar  
handwritten

GRAPHIC LOG					DESCRIPTION	ALTERATION											MINERALIZATION						SAMPLING				ASSAY DATA														
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SL	CL	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON SULPH	% RECOV	SAMPLE No.	FROM	TO	MFG WIDTH	% CU	gm/T AU	gm/T AG	PPM Cu.				
100	MEG PORPH DIKE	30	10		SLIK	330 METASOMATITE (SYENITE PORPHYRY or VOLCANIC) cont. 78.7-163.3	2	2	2	1	1	3	1	0	0				0	0	TR	4	3	0	0					100896	91	93	3.8	.039		345					
						med grey, weakly porphyritic, calcite ff, little in matrix	2	2	2	1	1	4	1	0	0								0	0	TR	5	1	0	0					100897	DUPLICATE	93	95	4.9	.039		352
						@93.8-94.5 megaporphyry dike	3	2	2	3	1	1	0	0									2	TR	0	2	2	0	0					100898	93	95	2.0	.059		1020	
						@95m diamitic mcr. in cpy & bornite for 2m.; then in and out	2	1	1	0	0	2	1	0	0									.5	TR	0	3	5	0	0					100900	95	97	2.0	.486		5750
						with local sulfides (drossin + minor strom) to 10%	2	3	1	0	0	2	1	0	0									.25	TR	0	5	1	0	0					100901	97	99	3.1	.098		1800
						Silicified section 105-108	2	3	1	0	0	2	1	0	0									.25	TR	0	5	7	0	0					100902	99	101	.67	.112		1185
							3	2	0	1	0	2	1	0	1									1	0	1	3	4	0	0					100903	101	103	6.6	.044		742
							4	3	0	0	0	2	1	0	0									1	0	1	3	4	0	0					100904	103	105	1.9	.078		889
							3	2	0	0	0	2	3	0	0	4								1	0	3	5	4	0	0					100905	105	107	4.8	.131		1550
							2	2	0	0	0	2	2	1	0	3								1	0	1	10	8	0	0					100906	107	109	14.0	.112		598
110							3	3	0	0	0	2	1	0	0	0			1	0	2	8	4	0	0					100907	109.7	112.8	9.7	.134		941					
							4	3	0	0	0	3	2	0	0	0						.5	0	5	.25	.5	0	0					100908	112.8	115.8	.18	.242		2130		
							3	3	1	0	0	2	2	0	0	0	2	TR	0	TR	1.0	.5	0	0									100909	115.8	117.3	1.0	.049		720		
							4	3	2	1	0	2	2	0	0	0	1	TR	TR	4	2	.5	0	0									100910	STD	CU/108		.034		6460		
							4	3	1	0	0	2	1	0	0	0	2	TR	0	5	1	.25	0	0									100911	117.3	118.8	2.5	.079		587		
							4	3	1	0	0	2	1	0	0	0	2	TR	0	5	1	.25	0	0									100912	118.9	121.9	1.3	.222		577		
							2	3	3	1	0	3	2	0	1	0	0	0	0	2	2	.25	0	0										100913	121.9	125.0	1.8	.111		1850	
							2	3	3	1	0	3	1	0	0	0	1	0	0	TR	.5	.5	0	0										100914	125.0	128.0	1.0	.052		1080	
							4	2	0	0	0	2	2	0	0	2	1	TR	TR	1	1	0	0											100915	128.0	131.1	1.6	.108		996	
							4	2	0	0	0	2	1	0	0	2	1	.5	0	1	.5	1	0	0										100916	131.1	134.1	.62	.166		1945	
120							4	2	1	0	0	1	3	1	2	2	1	2	0	1	.5	.5	0	0									100917	134.1	137.0	.88	.334		4590		
							3	1	0	0	0	1	4	1	3	1	2	2	0	2	TR	.5	0	0										100918	137	139	.12	.489		5260	
							4	1	0	0	0	1	3	1	1	0	0	TR	0	1	.5	.25	0	0										100919	139	141	.85	.182		2250	
							3	0	1	0	0	0	2	0	1	0	0	TR	0	.25	2	0	0	0										100920	BLANK			<.005		14	
							4	2	1	0	0	2	2	0	0	0	1	0	4	2	0	0	0											100921	141	143	1.9	.105		122.5	
							4	2	0	0	0	2	2	0	0	0	.5	0	TR	5	TR	0	0											100922	143	145	2.5	.228		3680	
							4	2	1	0	0	0	3	0	0	0	.5	0	TR	5	2	0	0											100923	145	146.7	6.5	.227		3780	
							4	2	1	0	0	0	3	0	0	0	.5	0	TR	5	2	0	0											100924	145	146.7	6.5	.186		1470	
							2	0	0	0	0	2	1	0	0	0	0	0	0	1	.5	0	0	0										100925	146.7	148.4	6.1	.291		2300	
							2	0	0	0	0	2	1	0	0	0	0	0	0	1	.5	0	0	0										100926	148.4	150.1	1.8	.038		259	
130							2	0	0	0	0	2	1	0	0	0	0	0	0	0	1	.5	0	0									100927	150.1	151.8	1.2	.060		384		
							3	2	0	0	0	2	2	0	0	0	3	.25	0	8	2	0	0											100928	151.8	154	7.9	.793		4440	
							4	2	0	0	0	2	3	0	0	2	0	1	TR	0	6	1	0	0										100929	154	156	7.2	.573		2590	
							4	2	0	0	0	1	3	0	0	2	0	1	TR	0	9	1	0	0										100930	STD	PM152		2.830		53	
							4	2	1	0	0	2	3	0	0	1	0	2	TR	TR	12	1	0	0										100931	156	158	9.4	1.200		5500	
							4	2	1	0	0	2	3	0	0	1	0	2	TR	TR	12	1	0	0										100932	158	160	17.0	1.305		5040	
							4	2	0	0	0	2	2	0	0	0	.5	0	.25	5	.5	0	0											100933	160	162	7.7	0.290		1330	
							4	2	0	0	0	3	1	0	0	0	.5	0	.25	8	1.0	0	0											100934	162	163.3	13.0	.295		1930	
							0	1	3	4	0	3	2	0	0	2	0	0	0	4	.5	.5	0	0										100935	163.3	165	.67	.013		84	
							2	1	3	2	0	1	1	0	2	1	0	0	0	2	.5	.5	0	0										100936	165	167	.89	<.005		12	
140							1	1	4	4	0	3	2	0	3	0	0	0	0	2	.5	.5	0	0									100937	167	169	.99	<.005		7		
							0	1	4	4	0	2	1	0	3	0	0	0	0	1	.5	.5	0	0										100938	169	170.5	1.1	<.005		5	
							3	2	0	0	0	3	0	1	0	0	4	0	TR	3	1	0	0											100939	170.5	172.5	2.9	1.37	2.220	>10K	
							4	1	0	0	0	2	0	0	0	0	.25	0	TR	TR	.25	0	0											100940	BLANK			0.006		44	
							4	0	0	0	0	3	0	0	0	0	TR	.5	0	.25	.5	0	0											100941	172.5	174	.10	.384		3570	
							4	0	0	0	0	3	0	0	0	0	TR	.5	0	.25	.5	0	0											100942	174	176	.05	.190		2520	
							4	0	1	0	0	3	0	1	0	0	TR	.25	0	TR	.25	0	0											100943	176	178	.03	.273		4530	
							4	0	1	0	0	3	0	1	0	0	TR	.25	0	TR	.25	0	0											100944	178	180	.13	.098		1830	
							3	2	1	1	0	3	3	0	1	0	TR	TR	0	TR	.25	0	0											100945	DUPLICATE			.110		1705	

Rounded Phenos Clasts











*Fe to barite?*

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION							SAMPLING				ASSAY DATA										
(m) SCALE	LITH	AN VEIN	FRAC	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	cy	CP	BN	PY	MAG	HEM	LIM	MAL	AZU	SULPH	NON	SULPH	% RECOV	SAMPLE No.	FROM	TO	MAG WIDTH	% CU	gm/T AU	gm/T AG	PPM Cu
						330/210 Augite Porphyry (?) ; slender, elongate mafic phenos in k-span? matrix with biotite and white fspar phenos.	1	1	2	1	2	1	1	0	1	1		TR	0	TR	0	0	0	0						102157	540	542	.03	< 0.005			72
						Intrusive xenos contains; petrosample @ 543.2, photo @ 540m.; uniform alt/min..	0	1	1	0	2	1	1	0	1	2		0	0	0	0	0	0	0						102158	542	544	.07	.005			62
							0	1	2	0	2	1	2	0	2	1		TR	0	TR	0	0	0	0		TR			102159	544	546	.02	< 0.005			146	
							0	2	0	0	3	1	3	0	0	2		TR	0	TR	0	0	0	0					102160	546	548	.01	< 0.005			3	
550							0	2	1	1	3	1	2	0	1	2		0	0	TR	0	0	0	0					102161	548	550	.04	.012			186	
							0	2	1	0	3	0	2	0	1	2		TR	0	TR	0	0	0	0					102162	550	552	.04	.009			122	
							0	2	1	0	3	1	3	0	1	2		TR	0	TR	0	0	0	0					102163	552	554	.02	.005			132	
						556.4-560 Fspar Porphyry Dike; light grey with fspar phenos to len; biotite - augite (?) mafic	0	2	1	0	3	1	2	0	1	2		TR	0	TR	0	0	0	0						102164	554	556.4	.01	.016			152
							0	1	1	0	2	3	3	0	1	1		TR	0	.25	0	0	0	0					102165	556.4	558	.14	.010			241	
560							0	1	2	1	1	2	1	0	2	1		TR	0	.50	0	.25	0	0					102166	558	560	.48	10.29			383	
							0	1	1	0	2	2	2	0	1	2		0	0	TR	0	.25	0	0					102167	560	562	.06	< 0.005			101	
						Intense Calcite - Pyrite (1-2%) veining 261.9-EOH	0	3	2	1	0	4	1	0	1	0		TR	0	1	0	1.0	0	0						102168	562	563.88	.04	.007			31
						EOH 563.88 END OF HOLE																								102170	STD PM 152			0.810		54	

DDH No. GC03-443

<b>Program</b>	Fall 2003
<b>Date</b>	10/14/2003
<b>Logged By</b>	Stephens
<b>Area</b>	N. Gold lens
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	351333.275	6007.25
<b>Northing</b>	6335611.056	7517.88
<b>Elevation (m)</b>	740.415	740.415
<b>Section</b>	7517N	

<b>Azimuth (°)</b>	90
<b>Dip (°)</b>	-60
<b>Total Depth (m)</b>	39.62

<b>Drill start date</b>	9/30/03
<b>Drill end date</b>	10/2/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Down Hole Surveys</b>	None
--------------------------	------

<b>Comments</b>	Hole failed, abandoned and redrilled
-----------------	--------------------------------------



## DDH No. GC03-444

<b>Program</b>	Fall 2003
<b>Date</b>	10/10/2003
<b>Logged By</b>	Workman
<b>Area</b>	N. Gold lens
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	351333.275	6007.25
<b>Northing</b>	6335611.056	7517.88
<b>Elevation (m)</b>	740.415	740.415
<b>Section</b>	7157N	

<b>Azimuth (°)</b>	90.5
<b>Dip (°)</b>	-63
<b>Total Depth (m)</b>	358.75

<b>Drill start date</b>	10/2/03
<b>Drill end date</b>	10/6/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Down Hole Surveys</b>									
Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code	Remarks	
127	38.71	57	26	81.5	64	Sperry	-1	hosed	
257	78.33	66	27	90.5	63	Sperry	1		
407	124.05	69	25	93.5	65	Sperry	1		
557	169.77	70	25	94.5	65	Sperry	-1	hosed	
707	215.48	66	25	90.5	65	Sperry	1		
857	261.20	70	24	94.5	66	Sperry	-1	hosed	
1007	306.92	66	24	90.5	66	Sperry	1		
1157	352.64	72	24	96.5	66	Sperry	-1	hosed	



# SpectrumGold Inc.

## Galore Creek Project

NORTH COORD LEVS  
SECTION 7517N

NQ Core  
UTM  
MINE GRID

START 2/OCT/03 END: 6/OCT/03  
351333.275E 6335611.056N EL = 740.415  
6007.25E 7517.88N

D.D.H. No.: GC 03 444

SHEET: 1 of 4

10905/-64° T.D. 358.75m

logged by E. Workman 10/10/03

GRAPHIC LOG					DESCRIPTION	ALTERATION										MINERALIZATION							SAMPLING				ASSAY DATA									
(m) SCALE	LITH	VEIN	FRAC	SHR FLT		TEXT	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SPIC	CP	BN	PY	MAG	HEM	LIM	MAL AZU	SULPH	NON SULPH	Native Cu	% RECOV	SAMPLE No.	FROM	TO	MAG SEP WIDTH	% CU	gm/T AU	gm/T AG		
0	○																																			
10	○																																			
20	○																																			
30	○																																			
40	□																										101151	35.66	38.0	2.3		.042	810			
40	□																										101152	38.0	40.0	1.9		.082	664			
																											101153	40.0	41.76	9.4		.104	1145			
																											101154	41.76	43.89	0.66		.090	909			
40	□																										101155	43.89	46.0	1.1		.144	640			
																											101156	46.0	48.0			.044	465			
																											101157	STD	CUB	3.7	1011	.020	6730			
50	□																										101158	48.0	50.0	0.57		.049	589			
																											101159	50.0	52.0	1.3		.045	478			
																											101160	52.0	53.15	1.1		.041	421			
50	□																											101161	53.15	54.0	0.02		.088	584		
																												101162	54.0	56.0	0.04		.102	1080		
																												101163	56.0	58.0	0.05		.105	1070		
																												101164	56.0	58.0	0.05		.290	1295		
50	□																										101165	58.0	60.0	0.02		.098	1060			
																											101166	60.0	62.8	0.11		.136	2010			
60	FD																											101167	62.8	64.0	0.02		.071	3360		
																												101168	64.0	66.0	0.01		6.005	17		
																												101169	64.0	66.0	0.01		.171	3080		
																												101170	66.0	68.0	0.00		.140	2230		
																												101171	68.0	70.0	0.00		.074	1610		
60	FD																											101172	70.0	72.0	0.00		.210	4280		
																												101173	72.0	74.0	0.00		.111	1790		
																												101174	74.0	76.0	0.01		.335	3040		
60	FD																											101175	STD	PM 152			2.78	56		
																												101176	76.0	78.0	0.00		.170	3100		
																												101177	78.0	80.0	0.03		.073	1640		
60	FD																											101178	80.0	82.0	0.02		.107	5380		
																												101179	82.0	84.25			.489	6190		
																												101180	BLANK				<0.005	32		
60	MD																											101181	84.25	86.0	1.7		.026	236		
																												101182	86.0	88.0	3.2		.040	282		
																												101183	88.0	90.53	0.53		.057	217		
70	FD																																			
80	FD																																			
90	MD																																			

stick rock broken

← BLEACHED →

60°

65°

70°







DDH No. GC03-445

<b>Program</b>	Fall 2003
<b>Date</b>	10/14/2003
<b>Logged By</b>	Stephens
<b>Area</b>	Central skarn
<b>Drill Grid</b>	Central
<b>Surveyed By</b>	Muntzert
<b>Survey Method</b>	Ashtech

	<b>UTM</b>	<b>Mine Grid</b>
<b>Easting</b>	351302.309	5999.01
<b>Northing</b>	6334907.482	6813.67
<b>Elevation (m)</b>	717.379	717.379
<b>Section</b>	6828N	

<b>Azimuth (°)</b>	90
<b>Dip (°)</b>	-58
<b>Total Depth (m)</b>	217.2

<b>Drill start date</b>	10/3/03
<b>Drill end date</b>	10/6/03

<b>Core Size</b>	NQ
<b>Drillers</b>	Britton Bros.

<b>Comments</b>	Lost rods in hole, final depth not reached
-----------------	--

<b>Down Hole Surveys</b>							
Depth	Metres	Raw Azimuth (°)	Raw Dip (°)	Azimuth (°)	Dip (°)	Type	Code
570	173.73	063	32	087	58	sperry	1
720	219.45	068	32	092	58	sperry	1

**SpectrumGold Inc.**  
**Galore Creek Project**

CENTRAL ZONE  
CENTRAL SKARN  
6828 N  
N090/-58°

N4 CORE  
217.3m TD  
UTM = 351302.309E 6334907.482N  
MINE GRID 5999.01E 6813.67N

START: 3/OCT FINISH: 6/OCT

D.D.H. No.: G603 445

SHEET: 1 of 3

logged by J. STEPHANS 14-OCT

GRAPHIC LOG					DESCRIPTION	ALTERATION											MINERALIZATION							SAMPLING				ASSAY DATA								
(m) SCALE	LITH	VEIN	FRACT	SHR FLT		TEXT	ROCK TYPE	OR	BIO	CHL	EPI	GAR	CAR	ANH	GYP	SER	SI	CP	BN	PY	MAG	HEM	LIM	MAL AZU	NON SULPH	GAL	% RECOV	SAMPLE No.	FROM	TO	WIDTH	% CU	gm/T AU	gm/T AG	ppm CU	
0						NO CORE (0-9.14m)																														
9.14	SOH																																			
15.24						900 OVB TILL BLOCKY, POOR RECOVERY																														
20						355 I9b ORTHOCLASE SYENITE MEGAPROPHERY - LATE VERY BROKEN, WEAKLY OXIDISED, WK EPI ALTN UNMINERALISED	0	0	0	1	0	2	1				0	0	0	0								100692	15.24	18.29	0.40		0.024		190	
					0		0	0	1	0	2	1					0	0	0	0								100693	18.29	21.33	0.45		0.006		95	
					0		0	0	1	0	2	1					0	0	0	0								100694	21.33	24.38	0.00		0.015		349	
					0		0	0	1	0	2	1					0	0	0	0								100696	24.38	26.0	0.09		0.014		311	
26.0						363 I8a MGR SYENITE BLACK TO GREY, WKLY OXIDISED MUSH, EXFOLIATED STRONGLY BIO ALTN WK-MOD CL HEAVY DISSEM CPY & PT, LOCALLY SEMI-MASSIVE CPY & PT MUSH 26-58.5m, THEN STRONGLY EXFOLIATED BELOW THIS STR PERVASIVE CB IN TOP SECTION LOCAL WTH ALTN TRACES COVELLITE? & POSS. BORNITE? THROUGHOUT DEFINITE TRACES GALENA LOCALLY SOME SEMI-MASSIVE CPY FROM ~49-55m POSS TRACE BORNITE THROUGHOUT	0	4	2	0	0	3	0				3	0	2	0									100697	26.0	27.43	0.04		0.087		7820
					0		4	2	0	0	3	0					4	0	2	0								100698	27.43	30.48	0.02	1.55	0.207		>10000	
					0		4	1	0	0	2	0					4	0	2	0								100699	30.48	33.53	0.01	3.43	0.284		>10000	
					2		2	1	0	0	0	0					3	0	2	0								100700	33.53	36.58	0.00	1.93	0.427		>10000	
					1		3	1	0	0	0	0					5	0	2	0								101341	36.58	39.62	0.05	1.56	0.205		>10000	
					0		4	0	0	0	0	0					5	0	2	0								101342	39.62	42.67	0.02	1.83	0.212		>10000	
					1		4	0	0	0	0	0					6	0	2	0								101344	42.67	45.72	0.01	1.39	0.196		>10000	
					1		4	0	0	0	0	0					5	0	2	0								101345	45.72	48.77	0	1.42	0.18		>10000	
					0		4	0	0	0	0	0					8	0	2	0								101346	48.77	51.81	0.01	1.63	0.152		>10000	
					0		4	0	0	0	0	0					7	0	1	0								101347	51.81	54.86	0.03	1.63	0.33		>10000	
					1		3	0	0	0	1	0					4	0	2	0								101348	54.86	57.91	0.04	1.08	0.107		>10000	
					0		3	0	0	0	1	0					4	0	2	0								101350	57.91	60.96	0.01	1.5	0.129		>10000	
					0		3	0	1	0	0	0					6	0	2	0								101351	60.96	64.01	0.01	1.75	0.141		>10000	
					0		4	2	1	0	0	0					12	0	2	0								101352	64.01	67.06	0.04	2.97	0.199		>10000	
					0	3	2	0	0	2	0					3	0	2	0								101353	67.06	70.10	0.03		0.113		8820		
70						370 I7/I11? FM GR SYENITE PROPHERY STRONG SILICA ALTERED ROCK W GHOSTS OF KFA PHENOS CLOTTY CPY & PT, ALSO WISPY TRAILS OF CPY & PY WK CL ALTN LOCALISED BIO CLOTS W PT & CPY CB/ANH VNS @ 79-80m W STR CLOTTY CPY & PY	0	2	2	1	0	2	1			1	3			3	0	3	0						101354	70.10	73.15	0.04	1.22	0.337		>10000
					0		1	3	1	0	2	1				1	3			4	0	2	0					101356	73.15	76.20	0.02	1.21	0.165		>10000	
					0		4	3	0	0	1	1				1	2			4	0	2	0					101357	76.20	79.25	0.04	1.61	0.174		>10000	
					0		3	2	0	0	1	0					2	0	2	0								101358	79.25	82.30	0.15	2.04	0.234		>10000	
						I8a MGR SYENITE GREY EXFOLIATED AS ABOVE 26-70m FINE GRAINED PORTION 81-85.3m MOD-STR DISSEM CPY & PY, TRACES OF GALENA THROUGHOUT FGR PORTION IS ONLY W/CH MIN? GENERALLY ROCK HAS MOD BI & CL, TRACES OF CB	0	1	3	0	0	1	0				1			2	0	2	0						101359	82.30	85.34	0.04		0.078		2760
					0		3	2	0	2	0	0					4	0	3	0								101360	85.34	88.39	0.05	1.9	0.274		>10000	
					0		3	2	1	2	1	0					4	0	2	0								101361	88.39	91.44	0.00	1.88	0.209		>10000	
90																																				

GAR FROM ~85m







**APPENDIX VII**  
**GEOTECHNICAL LOGS**

Geotechnical Log GC03-436

Geotechnical Log

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-436	0	27.13	27.13	4.49	0			16.55%	0	
GC03-436	27.13	29.57	2.44	0.085	0			3.48%	0	
GC03-436	29.57	32.61	3.04	0.1	0			3.29%	0	
GC03-436	32.61	35.66	3.05	0.16	0			5.25%	0	
GC03-436	35.66	38.71	3.05	0.36	0			11.80%	0	
GC03-436	38.71	41.76	3.05	0.48	0			15.74%	0	
GC03-436	41.76	44.81	3.05	0.4	0			13.11%	0	
GC03-436	44.81	47.85	3.04	1.8	0			59.21%	0	
GC03-436	47.85	50.9	3.05	3.25	0			106.56%	0	
GC03-436	50.9	53.95	3.05	3.05	0			100.00%	0	
GC03-436	53.95	56.99	3.04	2.75	0			90.46%	0	
GC03-436	56.99	60.05	3.06	2.7	0			88.24%	0	
GC03-436	60.05	63.09	3.04	3.78	0			124.34%	0	
GC03-436	63.09	66.14	3.05	3.73	0			122.30%	0	
GC03-436	66.14	69.19	3.05	1.93	0			63.28%	0	
GC03-436	69.19	72.24	3.05	3.96	0			129.84%	0	
GC03-436	72.24	75.29	3.05	2.38	0			78.03%	0	
GC03-436	75.29	78.33	3.04	3.6	0			118.42%	0	
GC03-436	78.33	81.38	3.05	3.1	0			101.64%	0	
GC03-436	81.38	84.43	3.05	3.75	0			122.95%	0	
GC03-436	84.43	87.48	3.05	3.95	0			129.51%	0	
GC03-436	87.48	90.53	3.05	3.9	0			127.87%	0	
GC03-436	90.53	93.57	3.04	3.48	0			114.47%	0	
GC03-436	93.57	96.62	3.05	0.58	0			19.02%	0	
GC03-436	96.62	99.67	3.05	1.52	0			49.84%	0	
GC03-436	99.67	102.71	3.04	0.54	0			17.76%	0	
GC03-436	102.71	105.77	3.06	0.47	0			15.36%	0	
GC03-436	105.77	108.81	3.04	0.28	0			9.21%	0	
GC03-436	108.81	111.86	3.05	0.5	0			16.39%	0	
GC03-436	111.86	114.91	3.05	0.7	0			22.95%	0	
GC03-436	114.91	117.96	3.05	0.46	0			15.08%	0	
GC03-436	117.96	121.01	3.05	0.53	0			17.38%	0	
GC03-436	121.01	124.05	3.04	0.26	0			8.55%	0	
GC03-436	124.05	127.1	3.05	3.47	0			113.77%	0	
GC03-436	127.1	130.15	3.05	3.09	2.73			101.31%	89.51%	
GC03-436	130.15	133.2	3.05	2.99	2.96			98.03%	97.05%	
GC03-436	133.2	136.25	3.05	3.12	2.76			102.30%	90.49%	
GC03-436	136.25	139.29	3.04	3.07	2.88			100.99%	94.74%	
GC03-436	139.29	142.34	3.05	2.99	2.99			98.03%	98.03%	
GC03-436	142.34	145.39	3.05	3.06	2.93			100.33%	96.07%	
GC03-436	145.39	148.44	3.05	3.07	2.9			100.66%	95.08%	
GC03-436	148.44	151.49	3.05	3.01	2.86			98.69%	93.77%	
GC03-436	151.49	154.53	3.04	3.1	2.75			101.97%	90.46%	
GC03-436	154.53	157.58	3.05	3.07	2.71			100.66%	88.85%	
GC03-436	157.58	160.63	3.05	3.06	2.82			100.33%	92.46%	
GC03-436	160.63	163.68	3.05	3.02	2.85			99.02%	93.44%	
GC03-436	163.68	166.73	3.05	3.24	2.3			106.23%	75.41%	
GC03-436	166.73	169.77	3.04	3.11	3.01			102.30%	99.01%	
GC03-436	169.77	172.82	3.05	2.99	2.57			98.03%	84.26%	
GC03-436	172.82	175.87	3.05	3.08	2.73			100.98%	89.51%	
GC03-436	175.87	178.93	3.06	2.98	2.5			97.39%	81.70%	
GC03-436	178.93	181.97	3.04	3.12	2.85			102.63%	93.75%	
GC03-436	181.97	185.01	3.04	3.03	2.51			99.67%	82.57%	
GC03-436	185.01	188.06	3.05	3.12	2.72			102.30%	89.18%	
GC03-436	188.06	191.1	3.04	2.9	2.9			95.39%	95.39%	
GC03-436	191.1	194.16	3.06	3.06	2.7			100.00%	88.24%	
GC03-436	194.16	197.21	3.05	3.19	2.85			104.59%	93.44%	

## Geotechnical Log GC03-437

## Geotechnical Log

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-437	0	9.15	9.15	0.71	0.12			7.8%	1.3%	
GC03-437	9.15	15.24	6.09	2.32	0.27			38.1%	4.4%	
GC03-437	15.24	18.29	3.05	1.7	0.13			55.7%	4.3%	
GC03-437	18.29	21.34	3.05	0.7	0.12			23.0%	3.9%	
GC03-437	21.34	24.39	3.05	1.2	0			39.3%	0.0%	
GC03-437	24.39	27.44	3.05	0.4	0			13.1%	0.0%	
GC03-437	27.44	30.49	3.05	0.4	0			13.1%	0.0%	
GC03-437	30.49	33.54	3.05	0.2	0			6.6%	0.0%	
GC03-437	33.54	36.59	3.05	1.3	0			42.6%	0.0%	
GC03-437	36.59	39.63	3.04	1.1	0			36.2%	0.0%	
GC03-437	39.63	42.68	3.05	1.52	0			49.8%	0.0%	
GC03-437	42.68	45.73	3.05	1.5	0			49.2%	0.0%	
GC03-437	45.73	48.78	3.05	1.45	0.15			47.5%	4.9%	
GC03-437	48.78	51.83	2.6	1	0			38.5%	0.0%	
GC03-437	51.83	54.88	3.5	0.6	0			17.1%	0.0%	
GC03-437	54.88	57.93	3.05	1	0			32.8%	0.0%	
GC03-437	57.93	60.98	3.05	0.24	0			7.9%	0.0%	
GC03-437	60.98	64.02	3.04	3	0			98.7%	0.0%	
GC03-437	64.02	67.07	3.05	1.95	0			63.9%	0.0%	
GC03-437	67.07	70.12	3.05	2.3	0			75.4%	0.0%	
GC03-437	70.12	73.17	3.05	2.3	1.3			75.4%	42.6%	
GC03-437	73.17	76.22	3.05	1.3	0			42.6%	0.0%	
GC03-437	76.22	79.27	3.05	1.6	0			52.5%	0.0%	
GC03-437	79.27	82.32	3.05	0.45	0			14.8%	0.0%	
GC03-437	82.32	85.36	3.04	1.3	0			42.8%	0.0%	
GC03-437	85.36	88.41	3.05	1	0.12			32.8%	3.9%	
GC03-437	88.41	91.46	3.05	1.2	0			39.3%	0.0%	
GC03-437	91.46	94.51	3.05	2.1	0			66.9%	0.0%	
GC03-437	94.51	97.56	3.05	2.4	0.13			78.7%	4.3%	
GC03-437	97.56	100.61	3.05	4.27	1.07			140.0%	35.1%	
GC03-437	100.61	103.66	3.05	2.57	1.96			84.3%	64.3%	
GC03-437	103.66	106.78	3.12	1.68	1.78			53.8%	57.1%	
GC03-437	106.78	109.78	2.98	1.4	1.94			47.0%	65.1%	
GC03-437	109.78	112.8	3.04	1.05	0.65			34.5%	21.4%	
GC03-437	112.8	115.85	3.05	3.02	2.99			98.0%	98.0%	
GC03-437	115.85	118.9	3.05	3.05	2.47			100.0%	81.0%	
GC03-437	118.9	121.95	3.05	3.3	2.92			108.2%	95.7%	
GC03-437	121.95	125	3.05	3.21	2.85			105.2%	93.4%	
GC03-437	125	128.05	3.05	3.05	3.05			100.0%	100.0%	
GC03-437	128.05	131.1	3.05	3.13	2.84			102.6%	93.1%	
GC03-437	131.1	134.15	3.05	3.06	3.06			100.3%	100.3%	
GC03-437	134.15	137.2	3.05	3.11	3.11			102.0%	102.0%	
GC03-437	137.2	140.24	3.04	3.02	2.86			99.3%	94.1%	
GC03-437	140.24	143.29	3.05	3.15	3.15			103.3%	103.3%	
GC03-437	143.29	146.34	3.05	3.07	2.88			100.7%	94.4%	
GC03-437	146.34	149.3	2.96	3.07	2.76			103.7%	93.2%	
GC03-437	149.3	152.44	3.14	3.05	3.05			97.1%	97.1%	
GC03-437	152.44	155.49	3.05	3.11	2.55			102.0%	83.6%	
GC03-437	155.49	158.54	3.05	3.11	2.48			102.0%	81.3%	
GC03-437	158.54	161.59	3.05	3.01	3.01			98.7%	98.7%	
GC03-437	161.59	164.63	3.04	3.2	1.98			105.3%	65.1%	
GC03-437	164.63	167.68	3.05	3.03	2.74			99.3%	89.8%	
GC03-437	167.68	170.73	3.05	3.13	2.72			102.6%	89.2%	
GC03-437	170.73	173.78	3.05	3.13	1.71			102.6%	56.1%	
GC03-437	173.78	176.82	3.04	3.07	2.9			101.0%	95.4%	
GC03-437	176.82	179.87	3.05	3.08	3.02			101.0%	99.0%	
GC03-437	179.87	182.93	3.06	3.07	3.07			100.3%	100.3%	
GC03-437	182.93	185.97	3.04	3.11	3.11			102.3%	102.3%	
GC03-437	185.97	189.02	3.05	3.1	3.1			101.6%	101.6%	
GC03-437	189.02	192.07	3.05	3.02	3.02			99.0%	99.0%	
GC03-437	192.07	195.12	3.05	3.02	3.02			99.0%	99.0%	
GC03-437	195.12	198.17	3.05	3.1	3.1			101.6%	101.6%	
GC03-437	198.17	201.22	3.05	3.06	3.06			100.3%	100.3%	
GC03-437	201.22	204.2	2.98	3.02	3.02			101.3%	101.3%	

Geotechnical Log GC03-438

Geotechnical Log

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-438	21.34	22.86	22.86	1.05	0.12			4.59%	0.52%	
GC03-438	22.86	23.47	0.61	0.07	0			11.48%	0.00%	
GC03-438	23.47	26.52	3.05	1.4	0.73			45.90%	23.93%	
GC03-438	26.52	29.57	3.05	3.2	0			104.92%	0.00%	
GC03-438	29.57	32.61	3.04	3.23	0.24			106.25%	7.89%	
GC03-438	32.61	35.66	3.05	2.57	0			84.26%	0.00%	
GC03-438	35.66	38.71	3.05	3.05	0			100.00%	0.00%	
GC03-438	38.71	41.76	3.05	3.55	0			116.39%	0.00%	
GC03-438	41.76	44.81	3.05	3.77	0			123.61%	0.00%	
GC03-438	44.81	47.85	3.04	3	0.42			98.68%	13.82%	
GC03-438	47.85	50.9	3.05	3.22	0			105.57%	0.00%	
GC03-438	50.9	53.95	3.05	3.3	0.56			108.20%	18.36%	
GC03-438	53.95	56.99	3.04	3.5	0.24			115.13%	7.89%	
GC03-438	56.99	60.05	3.06	1.4	0			45.75%	0.00%	
GC03-438	60.05	63.09	3.04	2.34	0			76.97%	0.00%	
GC03-438	63.09	66.14	3.05	2.75	0			90.16%	0.00%	
GC03-438	66.14	69.19	3.05	2.6	0			85.25%	0.00%	
GC03-438	69.19	72.24	3.05	3.1	0			101.64%	0.00%	
GC03-438	72.24	75.29	3.05	3.2	0			104.92%	0.00%	
GC03-438	75.29	78.33	3.04	2.25	0.17			74.01%	5.59%	
GC03-438	78.33	81.38	3.05	2.44	0			80.00%	0.00%	
GC03-438	81.38	84.43	3.05	2.3	0			75.41%	0.00%	
GC03-438	84.43	87.48	3.05	2.56	0			83.93%	0.00%	
GC03-438	87.48	90.53	3.05	3.27	0			107.21%	0.00%	
GC03-438	90.53	93.57	3.04	0.41	0			13.49%	0.00%	
GC03-438	93.57	96.62	3.05	1.8	0			59.02%	0.00%	
GC03-438	96.62	99.67	3.05	2.54	0			83.28%	0.00%	
GC03-438	99.67	102.72	3.05	1.1	0			36.07%	0.00%	
GC03-438	102.72	105.77	3.05	3.5	0			114.75%	0.00%	
GC03-438	105.77	108.81	3.04	2.76	0			90.79%	0.00%	
GC03-438	108.81	111.86	3.05	2.5	0			81.97%	0.00%	
GC03-438	111.86	114.91	3.05	3.1	0			101.64%	0.00%	
GC03-438	114.91	117.96	3.05	3.23	0			105.90%	0.00%	
GC03-438	117.96	121.01	3.05	3.1	0.44			101.64%	14.43%	
GC03-438	121.01	124.05	3.04	2.64	0			86.84%	0.00%	
GC03-438	124.05	127.1	3.05	2.37	0.16			77.70%	5.25%	
GC03-438	127.1	130.15	3.05	2.72	0.15			89.18%	4.92%	
GC03-438	130.15	133.2	3.05	3.04	0			99.67%	0.00%	
GC03-438	133.2	136.25	3.05	2.22	0			72.79%	0.00%	

Geotechnical Log GC03-438

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-438	136.25	139.29	3.04	2.6	1.5			85.53%	49.34%	
GC03-438	139.29	142.34	3.05	2.76	1.27			90.49%	41.64%	
GC03-438	142.34	145.39	3.05	2.93	1.21			96.07%	39.67%	
GC03-438	145.39	148.44	3.05	2.3	1.82			75.41%	59.67%	
GC03-438	148.44	151.49	3.05	3.05	2.39			100.00%	78.36%	
GC03-438	151.49	154.53	3.04	3	2.86			98.68%	94.08%	
GC03-438	154.53	157.58	3.05	2.83	2.73			92.79%	89.51%	
GC03-438	157.58	160.62	3.04	2.97	2.83			97.70%	93.09%	
GC03-438	160.62	163.68	3.06	3.1	2.9			101.31%	94.77%	
GC03-438	163.68	166.73	3.05	3.04	2.19			99.67%	71.80%	
GC03-438	166.73	169.77	3.04	3.17	2.67			104.28%	87.83%	
GC03-438	169.77	172.82	3.05	3.19	2.55			104.59%	83.61%	
GC03-438	172.82	175.87	3.05	3.28	2.76			107.54%	90.49%	
GC03-438	175.87	178.92	3.05	3.2	3.03			104.92%	99.34%	
GC03-438	178.92	181.97	3.05	3.14	2.47			102.95%	80.98%	
GC03-438	181.97	185.01	3.04	2.94	1.84			96.71%	60.53%	
GC03-438	185.01	188.06	3.05	3.12	2.78			102.30%	91.15%	
GC03-438	188.06	191.11	3.05	3.12	2.34			102.30%	76.72%	
GC03-438	191.11	194.16	3.05	3.24	2.49			106.23%	81.64%	
GC03-438	194.16	197.21	3.05	3.01	2.71			98.69%	88.85%	
GC03-438	197.21	200.25	3.04	2.93	2.72			96.38%	89.47%	
GC03-438	200.25	203.3	3.05	3	2.65			98.36%	86.89%	
GC03-438	203.3	206.35	3.05	3.09	2.9			101.31%	95.08%	
GC03-438	206.35	209.4	3.05	3	2.65			98.36%	86.89%	
GC03-438	209.4	212.45	3.05	3.03	2.8			99.34%	91.80%	
GC03-438	212.45	215.49	3.04	3.15	2.79			103.62%	91.78%	
GC03-438	215.49	218.54	3.05	3.08	2.73			100.98%	89.51%	
GC03-438	218.54	221.59	3.05	3.08	2.38			100.98%	78.03%	
GC03-438	221.59	224.64	3.05	3.08	2.63			100.98%	86.23%	
GC03-438	224.64	227.69	3.05	3.32	1.96			108.85%	64.26%	
GC03-438	227.69	230.73	3.04	3.1	2.74			101.97%	90.13%	
GC03-438	230.73	233.78	3.05	2.97	2.17			97.38%	71.15%	
GC03-438	233.78	236.83	3.05	2.98	2.52			97.70%	82.62%	
GC03-438	236.83	239.88	3.05	3	2.43			98.36%	79.67%	
GC03-438	239.88	242.93	3.05	3.05	2.27			100.00%	74.43%	
GC03-438	242.93	245.97	3.04	3.2	2.2			105.26%	72.37%	
GC03-438	245.97	249.02	3.05	3.32	3.2			108.85%	104.92%	
GC03-438	249.02	252.07	3.05	2.82	2.2			92.46%	72.13%	
GC03-438	252.07	255.12	3.05	3.04	2.93			99.67%	96.07%	
GC03-438	255.12	258.17	3.05	3.01	2.68			98.69%	87.87%	
GC03-438	258.17	261.21	3.04	3.09	3.01			101.64%	99.01%	

Geotechnical Log GC03-438

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-438	261.21	264.26	3.05	3	2.75			98.36%	90.16%	
GC03-438	264.26	267.31	3.05	3.01	2.83			98.69%	92.79%	
GC03-438	267.31	270.35	3.04	3.1	2.99			101.97%	98.36%	
GC03-438	270.35	273.41	3.06	2.93	2.76			95.75%	90.20%	
GC03-438	273.41	276.45	3.04	3.06	3.02			100.66%	99.34%	
GC03-438	276.45	279.5	3.05	3.01	2.96			98.69%	97.05%	
GC03-438	279.5	282.55	3.05	3.03	2.95			99.34%	96.72%	
GC03-438	282.55	285.59	3.04	3.05	2.87			100.33%	94.41%	
GC03-438	285.59	288.65	3.06	3.02	2.77			98.69%	90.52%	
GC03-438	288.65	291.69	3.04	2.96	2.76			97.37%	90.79%	
GC03-438	291.69	294.74	3.05	3.11	3.05			101.97%	100.00%	
GC03-438	294.74	297.79	3.05	3.03	2.95			99.34%	96.72%	
GC03-438	297.79	300.84	3.05	3.04	2.2			99.67%	72.13%	
GC03-438	300.84	303.89	3.05	3.12	2.53			102.30%	82.95%	
GC03-438	303.89	306.93	3.04	2.97	2.82			97.70%	92.76%	
GC03-438	306.93	309.92	2.99	3.05	2.8			102.01%	93.65%	
GC03-438	309.92	313.03	3.11	3.04	2.83			97.75%	91.00%	
GC03-438	313.03	316.08	3.05	3.01	2.83			98.69%	92.79%	
GC03-438	316.08	319.13	3.05	3.01	2.6			98.69%	85.25%	
GC03-438	319.13	322.17	3.04	3.06	2.97			100.66%	97.70%	
GC03-438	322.17	325.22	3.05	3.12	2.75			102.30%	90.16%	
GC03-438	325.22	328.27	3.05	3.03	2.86			99.34%	93.77%	
GC03-438	328.27	331.32	3.05	3.01	2.56			98.69%	83.93%	
GC03-438	331.32	334.37	3.05	3.13	2.39			102.62%	78.36%	
GC03-438	334.37	337.41	3.04	3.05	2.5			100.33%	82.24%	
GC03-438	337.41	340.46	3.05	3.1	1.15			101.64%	37.70%	
GC03-438	340.46	343.51	3.05	3.18	2.27			104.26%	74.43%	
GC03-438	343.51	346.56	3.05	3	2.17			98.36%	71.15%	
GC03-438	346.56	349.61	3.05	3.05	2.42			100.00%	79.34%	
GC03-438	349.61	352.65	3.04	3.15	1.91			103.62%	62.83%	
GC03-438	352.65	355.7	3.05	3.01	2.54			98.69%	83.28%	
GC03-438	355.7	358.75	3.05	3.12	2.58			102.30%	84.59%	
GC03-438	358.75	361.8	3.05	3.02	2.84			99.02%	93.11%	
GC03-438	361.8	364.85	3.05	3.08	2.9			100.98%	95.08%	
GC03-438	364.85	367.89	3.04	3.05	2.77			100.33%	91.12%	
GC03-438	367.89	370.94	3.05	3.01	2.87			98.69%	94.10%	
GC03-438	370.94	373.99	3.05	3.1	2.98			101.64%	97.70%	
GC03-438	373.99	377.04	3.05	3.1	2.7			101.64%	88.52%	
GC03-438	377.04	380.09	3.05	3.02	2.85			99.02%	93.44%	
GC03-438	380.09	383.13	3.04	3.11	2.75			102.30%	90.46%	
GC03-438	383.13	386.18	3.05	2.93	2.37			96.07%	77.70%	

Geotechnical Log GC03-438

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-438	386.18	389.23	3.05	3.13	2.57			102.62%	84.26%	
GC03-438	389.23	392.28	3.05	3.06	2.68			100.33%	87.87%	
GC03-438	392.28	394.72	2.44	2.66	2.15			109.02%	88.11%	

Geotechnical Log GC03-439

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-439	12.19	15.24	3.05	1.81	0.12			59.34%	3.93%	
GC03-439	15.24	18.28	3.04	2.15	0.14			70.72%	4.61%	
GC03-439	18.28	21.34	3.06	3.61	0			117.97%	0.00%	
GC03-439	21.34	24.38	3.04	3.56	0.93			117.11%	30.59%	
GC03-439	24.38	27.43	3.05	3.73	0.22			122.30%	7.21%	
GC03-439	27.43	30.48	3.05	3.31	0.83			108.52%	27.21%	
GC03-439	30.48	33.52	3.04	3.22	0.7			105.92%	23.03%	
GC03-439	33.52	36.58	3.06	3.13	1.83			102.29%	59.80%	
GC03-439	36.58	39.62	3.04	3	0.2			98.68%	6.58%	
GC03-439	39.62	42.67	3.05	1.72	0			56.39%	0.00%	
GC03-439	42.67	45.72	3.05	1.58	0			51.80%	0.00%	
GC03-439	45.72	48.77	3.05	3.12	0.95			102.30%	31.15%	
GC03-439	48.77	51.82	3.05	3.35	0.65			109.84%	21.31%	
GC03-439	51.82	54.86	3.04	3.05	0.12			100.33%	3.95%	
GC03-439	54.86	57.91	3.05	2.8	0			91.80%	0.00%	
GC03-439	57.91	60.96	3.05	1.02	0.12			33.44%	3.93%	
GC03-439	60.96	64.01	3.05	3.45	0			113.11%	0.00%	
GC03-439	64.01	67.05	3.04	3.01	0			99.01%	0.00%	
GC03-439	67.05	70.1	3.05	1.2	0			39.34%	0.00%	
GC03-439	70.1	73.15	3.05	2.34	0			76.72%	0.00%	
GC03-439	73.15	76.2	3.05	3.35	0.3			109.84%	9.84%	
GC03-439	76.2	79.25	3.05	3.05	0.27			100.00%	8.85%	
GC03-439	79.25	82.3	3.05	2.63	0.12			86.23%	3.93%	
GC03-439	82.3	85.34	3.04	2.15	0.12			70.72%	3.95%	
GC03-439	85.34	88.39	3.05	2.93	0			96.07%	0.00%	
GC03-439	88.39	91.44	3.05	2.95	0			96.72%	0.00%	
GC03-439	91.44	94.48	3.04	2.5	0			82.24%	0.00%	
GC03-439	94.48	97.53	3.05	3.55	0			116.39%	0.00%	
GC03-439	97.53	100.58	3.05	3.05	0			100.00%	0.00%	
GC03-439	100.58	103.63	3.05	3.05	0.15			100.00%	4.92%	
GC03-439	103.63	106.68	3.05	2	0			65.57%	0.00%	
GC03-439	106.68	109.73	3.05	2.04	0			66.89%	0.00%	
GC03-439	109.73	112.78	3.05	2.4	0.12			78.69%	3.93%	
GC03-439	112.78	115.82	3.04	2	0			65.79%	0.00%	
GC03-439	115.82	118.87	3.05	1.5	0			49.18%	0.00%	
GC03-439	118.87	121.92	3.05	2.45	0			80.33%	0.00%	
GC03-439	121.92	124.97	3.05	2.3	0			75.41%	0.00%	
GC03-439	124.97	128.02	3.05	2.46	0			80.66%	0.00%	
GC03-439	128.02	131.06	3.04	2.62	0.26			86.18%	8.55%	
GC03-439	131.06	134.11	3.05	3.11	1.82			101.97%	59.67%	
GC03-439	134.11	137.16	3.05	2.93	2.42			96.07%	79.34%	



Geotechnical Log GC03-439

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-439	137.16	140.21	3.05	3.08	3.08			100.98%	100.98%	
GC03-439	140.21	143.26	3.05	3.2	2.7			104.92%	88.52%	
GC03-439	143.26	146.3	3.04	3.02	2.85			99.34%	93.75%	
GC03-439	146.3	149.35	3.05	3.05	1.6			100.00%	52.46%	
GC03-439	149.35	152.4	3.05	3.16	2			103.61%	65.57%	
GC03-439	152.4	155.45	3.05	3.4	1.63			111.48%	53.44%	
GC03-439	155.45	158.49	3.04	3.22	0.7			105.92%	23.03%	
GC03-439	158.49	161.54	3.05	2.97	2.97			97.38%	97.38%	
GC03-439	161.54	164.59	3.05	3.35	2.35			109.84%	77.05%	
GC03-439	164.59	167.64	3.05	3.23	2.05			105.90%	67.21%	
GC03-439	167.64	170.69	3.05	3.37	1.41			110.49%	46.23%	
GC03-439	170.69	173.74	3.05	3	1.56			98.36%	51.15%	
GC03-439	173.74	176.78	3.04	2.5	0.13			82.24%	4.28%	
GC03-439	176.78	179.83	3.05	1.5	0.26			49.18%	8.52%	
GC03-439	179.83	182.88	3.05	2.9	0.43			95.08%	14.10%	
GC03-439	182.88	185.93	3.05	3.4	0.54			111.48%	17.70%	
GC03-439	185.93	188.98	3.05	3.37	0.9			110.49%	29.51%	
GC03-439	188.98	192.02	3.04	3.26	0.28			107.24%	9.21%	
GC03-439	192.02	195.07	3.05	3.15	2.1			103.28%	68.85%	
GC03-439	195.07	198.12	3.05	3.02	1.93			99.02%	63.28%	
GC03-439	198.12	201.17	3.05	3.14	2.15			102.95%	70.49%	
GC03-439	201.17	204.22	3.05	3.04	2.51			99.67%	82.30%	
GC03-439	204.22	207.26	3.04	3.12	2.52			102.63%	82.89%	
GC03-439	207.26	210.31	3.05	2.98	2.48			97.70%	81.31%	
GC03-439	210.31	213.36	3.05	3.1	2.24			101.64%	73.44%	
GC03-439	213.36	216.41	3.05	2.97	2.74			97.38%	89.84%	
GC03-439	216.41	219.46	3.05	3.1	2.17			101.64%	71.15%	
GC03-439	219.46	222.5	3.04	3.11	2.36			102.30%	77.63%	
GC03-439	222.5	225.55	3.05	2.98	2.4			97.70%	78.69%	
GC03-439	225.55	228.6	3.05	3.05	2.3			100.00%	75.41%	
GC03-439	228.6	231.65	3.05	3	2.22			98.36%	72.79%	
GC03-439	231.65	234.7	3.05	3.06	1.78			100.33%	58.36%	
GC03-439	234.7	237.74	3.04	3.08	2.83			101.32%	93.09%	
GC03-439	237.74	240.79	3.05	3.05	2.82			100.00%	92.46%	
GC03-439	240.79	243.84	3.05	3.11	2.75			101.97%	90.16%	
GC03-439	243.84	246.89	3.05	2.99	2.56			98.03%	83.93%	
GC03-439	246.89	249.94	3.05	3.18	1.99			104.26%	65.25%	
GC03-439	249.94	252.98	3.04	3.1	2.58			101.97%	84.87%	
GC03-439	252.98	256.03	3.05	3.03	2.71			99.34%	88.85%	
GC03-439	256.03	259.08	3.05	3.1	2.88			101.64%	94.43%	
GC03-439	259.08	262.13	3.05	3.07	3.02			100.66%	99.02%	
GC03-439	262.13	265.18	3.05	3.13	2.68			102.62%	87.87%	
GC03-439	265.18	268.22	3.04	2.98	2.32			98.03%	76.32%	

Geotechnical Log GC03-439

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-439	268.22	271.27	3.05	3.14	2.45			102.95%	80.33%	
GC03-439	271.27	274.32	3.05	2.91	2.6			95.41%	85.25%	
GC03-439	274.32	277.37	3.05	3.47	3.1			113.77%	101.64%	
GC03-439	277.37	280.42	3.05	3.1	2.37			101.64%	77.70%	
GC03-439	280.42	283.46	3.04	2.9	1.95			95.39%	64.14%	
GC03-439	283.46	286.51	3.05	3.04	2.71			99.67%	88.85%	
GC03-439	286.51	289.56	3.05	3.1	2.57			101.64%	84.26%	
GC03-439	289.56	292.61	3.05	3.08	2.97			100.98%	97.38%	
GC03-439	292.61	295.65	3.04	2.32	2.21			76.32%	72.70%	
GC03-439	295.65	298.7	3.05	2.99	2.12			98.03%	69.51%	
GC03-439	298.7	301.75	3.05	2.88	2.63			94.43%	86.23%	
GC03-439	301.75	304.8	3.05	3.13	2.42			102.62%	79.34%	
GC03-439	304.8	307.84	3.04	3.12	2.79			102.63%	91.78%	
GC03-439	307.84	310.9	3.06	3.05	3.05			99.67%	99.67%	
GC03-439	310.9	313.94	3.04	3.02	2.54			99.34%	83.55%	
GC03-439	313.94	316.99	3.05	3.11	2.55			101.97%	83.61%	
GC03-439	316.99	320.04	3.05	3.17	2.27			103.93%	74.43%	
GC03-439	320.04	323.09	3.05	3.08	3.08			100.98%	100.98%	
GC03-439	323.09	326.13	3.04	3.06	2.7			100.66%	88.82%	
GC03-439	326.13	329.18	3.05	3.03	2.82			99.34%	92.46%	
GC03-439	329.18	332.23	3.05	3.03	2.86			99.34%	93.77%	
GC03-439	332.23	335.28	3.05	3.15	1.8			103.28%	59.02%	
GC03-439	335.28	338.33	3.05	3	2.62			98.36%	85.90%	
GC03-439	338.33	341.38	3.05	3.15	2.29			103.28%	75.08%	
GC03-439	341.38	344.42	3.04	3.03	2.59			99.67%	85.20%	
GC03-439	344.42	347.47	3.05	3.21	3.21			105.25%	105.25%	
GC03-439	347.47	350.52	3.05	3.13	3.13			102.62%	102.62%	
GC03-439	350.52	353.57	3.05	3.08	2.07			100.98%	67.87%	
GC03-439	353.57	356.61	3.04	3.1	3.1			101.97%	101.97%	
GC03-439	356.61	359.66	3.05	3.12	3.03			102.30%	99.34%	
GC03-439	359.66	362.71	3.05	3.05	3			100.00%	98.36%	
GC03-439	362.71	365.76	3.05	3.07	2.93			100.66%	96.07%	
GC03-439	365.76	368.8	3.04	3.22	2.97			105.92%	97.70%	
GC03-439	368.8	371.86	3.06	3	2.82			98.04%	92.16%	
GC03-439	371.86	374.9	3.04	3.11	2.91			102.30%	95.72%	
GC03-439	374.9	377.95	3.05	3.1	3.1			101.64%	101.64%	
GC03-439	377.95	381	3.05	3.02	2.77			99.02%	90.82%	
GC03-439	381	384.05	3.05	3.02	3.02			99.02%	99.02%	
GC03-439	384.05	387.1	3.05	3.08	3.08			100.98%	100.98%	
GC03-439	390.14	393.19	3.05	3.15	3.06			103.28%	100.33%	
GC03-439	393.19	396.24	3.05	3.05	3.01			100.00%	98.69%	
GC03-439	396.24	399.28	3.04	3.09	3.09			101.64%	101.64%	

**Geotechnical Log**  
**GC03-440**

**Geotechnical Log**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-440	9.14	12.19	3.05	2.87	0.44			94.10%	14.43%	
GC03-440	12.19	15.24	3.05	2.86	0.12			93.77%	3.93%	
GC03-440	15.24	18.29	3.05	2.30	0.48			75.41%	15.74%	
GC03-440	18.29	21.33	3.04	2.60	0.66			85.53%	21.71%	
GC03-440	21.33	24.38	3.05	1.16	0.00			38.03%	0.00%	
GC03-440	24.38	27.43	3.05	2.25	0.26			73.77%	8.52%	
GC03-440	27.43	30.48	3.05	2.06	0.00			67.54%	0.00%	
GC03-440	30.48	33.53	3.05	2.85	0.61			93.44%	20.00%	
GC03-440	33.53	36.57	3.04	2.95	0.26			97.04%	8.55%	
GC03-440	36.57	39.62	3.05	2.98	0.64			97.70%	20.98%	
GC03-440	39.62	42.67	3.05	3.06	0.12			100.33%	3.93%	
GC03-440	42.67	45.72	3.05	3.00	1.43			98.36%	46.89%	
GC03-440	45.72	48.77	3.05	2.56	0.47			83.93%	15.41%	
GC03-440	48.77	51.81	3.04	2.36	0.62			77.63%	20.39%	
GC03-440	51.81	54.86	3.05	3.23	0.27			105.90%	8.85%	
GC03-440	54.86	57.91	3.05	2.80	0.60			91.80%	19.67%	
GC03-440	57.91	60.96	3.05	2.65	0.67			86.89%	21.97%	
GC03-440	60.96	64.00	3.04	2.25	0.00			74.01%	0.00%	
GC03-440	64.00	67.05	3.05	1.57	0.00			51.48%	0.00%	
GC03-440	67.05	70.10	3.05	2.96	0.25			97.05%	8.20%	
GC03-440	70.10	73.15	3.05	1.85	0.00			60.66%	0.00%	
GC03-440	73.15	76.20	3.05	2.91	0.21			95.41%	6.89%	
GC03-440	76.20	79.24	3.04	1.68	0.00			55.26%	0.00%	
GC03-440	79.24	82.29	3.05	2.16	0.00			70.82%	0.00%	
GC03-440	82.29	85.34	3.05	2.44	0.23			80.00%	7.54%	
GC03-440	85.34	88.39	3.05	3.05	0.40			100.00%	13.11%	
GC03-440	88.39	91.44	3.05	2.35	0.00			77.05%	0.00%	
GC03-440	91.44	94.48	3.04	1.14	0.00			37.50%	0.00%	
GC03-440	94.48	97.54	3.06	1.27	0.00			41.50%	0.00%	
GC03-440	97.54	100.58	3.04	1.34	0.00			44.08%	0.00%	
GC03-440	100.58	103.63	3.05	0.69	0.00			22.62%	0.00%	
GC03-440	103.63	106.67	3.04	0.35	0.00			11.51%	0.00%	
GC03-440	106.67	109.72	3.05	0.92	0.00			30.16%	0.00%	
GC03-440	109.72	112.77	3.05	0.80	0.00			26.23%	0.00%	
GC03-440	112.77	115.82	3.05	0.55	0.00			18.03%	0.00%	

**Geotechnical Log  
GC03-441**

**Geotechnical Log**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-441	6.10	8.23	2.13	2.52	0.77			118.31%	0.36	
GC03-441	8.23	9.14	0.91	0.94	0.47			103.30%	0.52	
GC03-441	9.14	11.28	2.14	0.55	0.16			25.70%	0.07	
GC03-441	11.28	14.33	3.05	1.97	0.00			64.59%	0.00	
GC03-441	14.33	17.37	3.04	2.54	0.00			83.55%	0.00	
GC03-441	17.37	20.42	3.05	1.28	0.00			41.97%	0.00	
GC03-441	20.42	23.47	3.05	0.30	0.00			9.84%	0.00	
GC03-441	23.47	26.52	3.05	1.70	0.00			55.74%	0.00	
GC03-441	26.52	29.57	3.05	2.40	0.00			78.69%	0.00	
GC03-441	29.57	32.61	3.04	1.75	0.00			57.57%	0.00	
GC03-441	32.61	35.66	3.05	1.80	0.00			59.02%	0.00	
GC03-441	35.66	38.71	3.05	2.51	0.00			82.30%	0.00	
GC03-441	38.71	41.58	2.87	3.07	0.00			106.97%	0.00	
GC03-441	41.58	44.86	3.28	1.35	0.00			41.16%	0.00	
GC03-441	44.86	47.85	2.99	0.44	0.00			14.72%	0.00	
GC03-441	47.85	50.90	3.05	2.20	0.00			72.13%	0.00	
GC03-441	50.90	53.95	3.05	1.00	0.00			32.79%	0.00	
GC03-441	53.95	57.00	3.05	1.80	0.00			59.02%	0.00	
GC03-441	57.00	60.05	3.05	2.10	0.00			68.85%	0.00	
GC03-441	60.05	63.09	3.04	1.05	0.00			34.54%	0.00	
GC03-441	63.09	66.14	3.05	0.55	0.00			18.03%	0.00	
GC03-441	66.14	69.19	3.05	0.55	0.00			18.03%	0.00	
GC03-441	69.19	72.24	3.05	1.40	0.00			45.90%	0.00	
GC03-441	72.24	75.29	3.05	1.70	0.00			55.74%	0.00	
GC03-441	75.29	78.33	3.04	0.55	0.00			18.09%	0.00	
GC03-441	78.33	81.38	3.05	2.25	0.00			73.77%	0.00	
GC03-441	81.38	84.43	3.05	2.50	0.00			81.97%	0.00	
GC03-441	84.43	87.48	3.05	1.90	0.00			62.30%	0.00	
GC03-441	87.48	90.53	3.05	2.20	0.00			72.13%	0.00	
GC03-441	90.53	93.57	3.04	2.20	0.00			72.37%	0.00	
GC03-441	93.57	96.62	3.05	2.52	0.00			82.62%	0.00	
GC03-441	96.62	99.67	3.05	1.15	0.00			37.70%	0.00	
GC03-441	99.67	102.72	3.05	2.30	0.00			75.41%	0.00	
GC03-441	102.72	105.77	3.05	2.75	0.00			90.16%	0.00	
GC03-441	105.77	108.81	3.04	2.75	0.00			90.46%	0.00	
GC03-441	108.81	111.86	3.05	1.20	0.00			39.34%	0.00	
GC03-441	111.86	114.91	3.05	2.67	0.62			87.54%	0.20	
GC03-441	114.91	117.96	3.05	3.04	0.16			99.67%	0.05	
GC03-441	117.96	121.01	3.05	2.56	0.00			83.93%	0.00	

**Geotechnical Log  
GC03-441**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-441	121.01	124.05	3.04	2.14	0.00			70.39%	0.00	
GC03-441	124.05	127.10	3.05	2.60	0.00			85.25%	0.00	
GC03-441	127.10	130.15	3.05	2.67	0.00			87.54%	0.00	
GC03-441	130.15	133.20	3.05	2.74	0.13			89.84%	0.04	
GC03-441	133.20	136.25	3.05	2.61	0.12			85.57%	0.04	
GC03-441	136.25	139.29	3.04	2.60	0.14			85.53%	0.05	
GC03-441	139.29	142.34	3.05	3.15	0.00			103.28%	0.00	
GC03-441	142.34	145.39	3.05	2.97	0.18			97.38%	0.06	
GC03-441	145.39	148.44	3.05	3.11	0.00			101.97%	0.00	
GC03-441	148.44	151.49	3.05	2.90	0.00			95.08%	0.00	
GC03-441	151.49	154.53	3.04	2.35	0.00			77.30%	0.00	
GC03-441	154.53	157.58	3.05	3.10	0.00			101.64%	0.00	
GC03-441	157.58	160.63	3.05	2.85	0.00			93.44%	0.00	
GC03-441	160.63	163.68	3.05	1.17	0.00			38.36%	0.00	
GC03-441	163.68	166.73	3.05	1.18	0.00			38.69%	0.00	
GC03-441	166.73	169.78	3.05	1.74	0.00			57.05%	0.00	
GC03-441	169.78	172.83	3.05	1.33	0.00			43.61%	0.00	
GC03-441	172.83	175.87	3.04	2.25	0.00			74.01%	0.00	
GC03-441	175.87	178.92	3.05	2.21	0.00			72.46%	0.00	
GC03-441	178.92	181.97	3.05	1.66	0.00			54.43%	0.00	
GC03-441	181.97	185.01	3.04	2.23	0.00			73.36%	0.00	
GC03-441	185.01	188.06	3.05	2.92	0.00			95.74%	0.00	
GC03-441	188.06	191.11	3.05	3.40	0.00			111.48%	0.00	
GC03-441	191.11	194.16	3.05	2.62	0.30			85.90%	0.10	
GC03-441	194.16	197.21	3.05	2.73	0.00			89.51%	0.00	
GC03-441	197.21	200.26	3.05	2.43	0.00			79.67%	0.00	
GC03-441	200.26	203.30	3.04	2.45	0.00			80.59%	0.00	
GC03-441	203.30	206.35	3.05	2.30	0.00			75.41%	0.00	
GC03-441	206.35	209.40	3.05	2.32	0.00			76.07%	0.00	
GC03-441	209.40	212.45	3.05	2.71	0.00			88.85%	0.00	
GC03-441	212.45	215.49	3.04	2.77	0.27			91.12%	0.09	
GC03-441	215.49	218.54	3.05	2.72	0.00			89.18%	0.00	
GC03-441	218.54	221.59	3.05	2.54	0.00			83.28%	0.00	
GC03-441	221.59	224.64	3.05	2.15	0.00			70.49%	0.00	
GC03-441	224.64	227.69	3.05	1.53	0.00			50.16%	0.00	
GC03-441	227.69	230.73	3.04	2.15	0.00			70.72%	0.00	
GC03-441	230.73	233.78	3.05	2.90	0.00			95.08%	0.00	
GC03-441	233.78	236.83	3.05	2.39	0.00			78.36%	0.00	
GC03-441	236.83	239.88	3.05	1.75	0.00			57.38%	0.00	
GC03-441	239.88	242.93	3.05	2.35	0.00			77.05%	0.00	
GC03-441	242.93	245.97	3.04	2.56	0.00			84.21%	0.00	

Geotechnical Log  
GC03-441

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-441	245.97	249.02	3.05	2.89	0.15			94.75%	0.05	
GC03-441	249.02	252.07	3.05	2.83	0.18			92.79%	0.06	
GC03-441	252.07	255.12	3.05	2.56	0.00			83.93%	0.00	
GC03-441	255.12	258.17	3.05	3.09	0.00			101.31%	0.00	
GC03-441	258.17	261.21	3.04	2.42	0.14			79.61%	0.05	
GC03-441	261.21	264.26	3.05	2.27	0.00			74.43%	0.00	
GC03-441	264.26	267.31	3.05	2.13	0.00			69.84%	0.00	
GC03-441	267.31	270.36	3.05	2.88	0.89			94.43%	0.29	
GC03-441	270.36	273.41	3.05	2.93	2.21			96.07%	0.72	
GC03-441	273.41	276.45	3.04	3.05	2.87			100.33%	0.94	
GC03-441	276.45	279.50	3.05	3.01	2.96			98.69%	0.97	
GC03-441	279.50	282.55	3.05	3.06	2.86			100.33%	0.94	
GC03-441	282.55	285.60	3.05	3.06	2.86			100.33%	0.94	
GC03-441	285.60	288.65	3.05	2.97	2.97			97.38%	0.97	
GC03-441	288.65	291.69	3.04	2.97	2.85			97.70%	0.94	
GC03-441	291.69	294.74	3.05	3.08	2.96			100.98%	0.97	
GC03-441	294.74	297.79	3.05	3.10	3.01			101.64%	0.99	
GC03-441	297.79	300.84	3.05	3.08	2.98			100.98%	0.98	
GC03-441	300.84	303.89	3.05	3.10	2.99			101.64%	0.98	
GC03-441	303.89	306.93	3.04	3.00	3.00			98.68%	0.99	
GC03-441	306.93	309.90	2.97	3.00	2.92			101.01%	0.98	
GC03-441	309.90	313.03	3.13	2.98	2.98			95.21%	0.95	
GC03-441	313.03	316.08	3.05	3.05	3.05			100.00%	1.00	
GC03-441	316.08	319.13	3.05	3.07	3.07			100.66%	1.01	
GC03-441	319.13	322.17	3.04	3.07	3.07			100.99%	1.01	
GC03-441	322.17	325.22	3.05	3.07	2.97			100.66%	0.97	
GC03-441	325.22	328.27	3.05	2.98	2.98			97.70%	0.98	
GC03-441	328.27	331.32	3.05	3.01	3.01			98.69%	0.99	
GC03-441	331.32	334.37	3.05	3.08	2.99			100.98%	0.98	
GC03-441	334.37	337.41	3.04	3.02	3.02			99.34%	0.99	
GC03-441	337.41	340.46	3.05	3.08	3.08			100.98%	1.01	
GC03-441	340.46	343.51	3.05	3.10	3.10			101.64%	1.02	
GC03-441	343.51	346.56	3.05	3.05	3.05			100.00%	1.00	
GC03-441	346.56	349.61	3.05	3.02	2.93			99.02%	0.96	
GC03-441	349.61	352.65	3.04	3.06	3.06			100.66%	1.01	
GC03-441	352.65	355.70	3.05	3.09	3.09			101.31%	1.01	
GC03-441	355.70	358.75	3.05	3.02	2.97			99.02%	0.97	
GC03-441	358.75	361.80	3.05	3.01	2.94			98.69%	0.96	
GC03-441	361.80	364.85	3.05	3.10	3.03			101.64%	0.99	
GC03-441	364.85	367.89	3.04	3.07	2.67			100.99%	0.88	
GC03-441	367.89	370.94	3.05	3.05	3.05			100.00%	1.00	

**Geotechnical Log**  
**GC03-441**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-441	370.94	373.99	3.05	3.04	2.90			99.67%	0.95	
GC03-441	373.99	377.04	3.05	3.02	3.02			99.02%	0.99	
GC03-441	377.04	380.09	3.05	3.11	3.05			101.97%	1.00	
GC03-441	380.09	383.13	3.04	3.06	3.06			100.66%	1.01	
GC03-441	383.13	386.18	3.05	3.07	2.58			100.66%	0.85	
GC03-441	386.18	389.23	3.05	3.02	2.64			99.02%	0.87	
GC03-441	389.23	392.28	3.05	3.07	2.50			100.66%	0.82	
GC03-441	392.28	395.33	3.05	3.03	3.03			99.34%	0.99	
GC03-441	395.33	398.37	3.04	3.11	3.11			102.30%	1.02	
GC03-441	398.37	401.42	3.05	2.96	2.89			97.05%	0.95	
GC03-441	401.42	404.47	3.05	3.03	2.93			99.34%	0.96	
GC03-441	404.47	407.52	3.05	3.08	3.06			100.98%	1.00	
GC03-441	407.52	410.57	3.05	3.04	3.04			99.67%	1.00	
GC03-441	410.57	413.61	3.04	3.07	2.98			100.99%	0.98	
GC03-441	413.61	416.66	3.05	3.06	2.82			100.33%	0.92	
GC03-441	416.66	419.71	3.05	3.06	2.92			100.33%	0.96	
GC03-441	419.71	422.76	3.05	3.05	3.05			100.00%	1.00	
GC03-441	422.76	425.81	3.05	2.99	2.88			98.03%	0.94	
GC03-441	425.81	428.85	3.04	3.08	2.97			101.32%	0.98	
GC03-441	428.85	431.90	3.05	3.07	2.53			100.66%	0.83	
GC03-441	431.90	434.95	3.05	3.04	2.74			99.67%	0.90	
GC03-441	434.95	438.00	3.05	3.04	2.50			99.67%	0.82	
GC03-441	438.00	441.05	3.05	3.02	2.70			99.02%	0.89	
GC03-441	441.05	444.09	3.04	3.11	2.89			102.30%	0.95	
GC03-441	444.09	447.14	3.05	3.03	3.03			99.34%	0.99	
GC03-441	447.14	450.19	3.05	2.94	2.94			96.39%	0.96	
GC03-441	450.19	453.24	3.05	3.05	3.05			100.00%	1.00	
GC03-441	453.24	456.29	3.05	3.05	3.05			100.00%	1.00	
GC03-441	456.29	459.33	3.04	3.06	3.06			100.66%	1.01	

Geotechnical Log  
GC03-442

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	Fracint	Recovery %	RQD %	Remarks
GC03-442	0.00	9.14	9.14					0.0%	0.0%	OVB
GC03-442	9.14	12.19	3.05	2.95	0.58			96.7%	19.0%	
GC03-442	12.19	15.24	3.05	2.60	0.14			85.2%	4.6%	
GC03-442	15.24	18.29	3.05	3.05	0.84			100.0%	27.5%	
GC03-442	18.29	21.33	3.04	3.04	1.52			100.0%	50.0%	
GC03-442	21.33	24.38	3.05	2.80	1.64			91.8%	53.8%	
GC03-442	24.38	27.43	3.05	2.67	0.35			87.5%	11.5%	
GC03-442	27.43	30.48	3.05	2.87	0.00			94.1%	0.0%	
GC03-442	30.48	33.53	3.05	3.05	0.12			100.0%	3.9%	
GC03-442	33.53	36.57	3.04	3.04	0.94			100.0%	30.9%	
GC03-442	36.57	39.62	3.05	2.95	0.15			96.7%	4.9%	
GC03-442	39.62	42.67	3.05	3.05	0.85			100.0%	27.9%	
GC03-442	42.67	45.72	3.05	2.80	0.42			91.8%	13.8%	
GC03-442	45.72	48.77	3.05	2.92	0.00			95.7%	0.0%	
GC03-442	48.77	51.81	3.04	2.80	0.12			92.1%	3.9%	
GC03-442	51.81	54.86	3.05	3.05	0.00			100.0%	0.0%	
GC03-442	54.86	57.91	3.05	3.05	0.12			100.0%	3.9%	
GC03-442	57.91	60.96	3.05	3.05	0.00			100.0%	0.0%	
GC03-442	60.96	64.00	3.04	3.04	0.14			100.0%	4.6%	
GC03-442	64.00	67.05	3.05	3.00	0.00			98.4%	0.0%	
GC03-442	67.05	70.10	3.05	3.05	0.00			100.0%	0.0%	
GC03-442	70.10	73.15	3.05	3.05	0.00			100.0%	0.0%	
GC03-442	73.15	76.20	3.05	2.95	0.12			96.7%	3.9%	
GC03-442	76.20	79.24	3.04	3.04	0.00			100.0%	0.0%	
GC03-442	79.24	82.29	3.05	1.85	0.00			60.7%	0.0%	
GC03-442	82.29	85.34	3.05	1.60	0.00			52.5%	0.0%	
GC03-442	85.34	88.39	3.05	1.50	0.00			49.2%	0.0%	
GC03-442	88.39	91.44	3.05	1.80	0.00			59.0%	0.0%	
GC03-442	91.44	94.49	3.05	3.04	0.72			99.7%	23.6%	
GC03-442	94.49	97.54	3.05	2.05	0.00			67.2%	0.0%	
GC03-442	97.54	100.58	3.04	2.30	0.12			75.7%	3.9%	
GC03-442	100.58	103.63	3.05	2.15	0.12			70.5%	3.9%	
GC03-442	103.63	106.67	3.04	2.15	0.00			70.7%	0.0%	
GC03-442	106.67	109.72	3.05	2.70	0.00			88.5%	0.0%	
GC03-442	109.72	112.77	3.05	1.30	0.00			42.6%	0.0%	
GC03-442	112.77	115.82	3.05	1.35	0.12			44.3%	3.9%	
GC03-442	115.82	118.87	3.05	2.90	0.12			95.1%	3.9%	
GC03-442	118.87	121.92	3.05	1.60	0.00			52.5%	0.0%	
GC03-442	121.92	124.97	3.05	0.56	0.00			18.4%	0.0%	
GC03-442	124.97	128.02	3.05	2.60	0.13			85.2%	4.3%	
GC03-442	128.02	131.06	3.04	0.95	0.00			31.3%	0.0%	
GC03-442	131.06	134.11	3.05	0.88	0.00			28.9%	0.0%	
GC03-442	134.11	137.15	3.04	1.27	0.22			41.8%	7.2%	
GC03-442	137.15	140.20	3.05	3.00	2.32			98.4%	76.1%	
GC03-442	140.20	143.25	3.05	3.05	2.21			100.0%	72.5%	
GC03-442	143.25	146.30	3.05	3.05	1.72			100.0%	56.4%	



Geotechnical Log  
GC03-442

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-442	146.30	149.35	3.05	3.05	2.18			100.0%	71.5%	
GC03-442	149.35	152.39	3.04	3.04	1.60			100.0%	52.6%	
GC03-442	152.39	155.44	3.05	3.05	2.10			100.0%	68.9%	
GC03-442	155.44	158.49	3.05	3.05	2.01			100.0%	65.9%	
GC03-442	158.49	161.54	3.05	3.05	1.67			100.0%	54.8%	
GC03-442	161.54	164.59	3.05	3.05	2.05			100.0%	67.2%	
GC03-442	164.59	167.64	3.05	3.05	1.54			100.0%	50.5%	
GC03-442	167.64	170.69	3.05	2.60	1.30			85.2%	42.6%	
GC03-442	170.69	173.74	3.05	3.00	2.70			98.4%	88.5%	
GC03-442	173.74	176.78	3.04	3.04	2.33			100.0%	76.6%	
GC03-442	176.78	179.83	3.05	3.00	1.83			98.4%	60.0%	
GC03-442	179.83	182.88	3.05	3.05	1.71			100.0%	56.1%	
GC03-442	182.88	185.93	3.05	3.05	1.70			100.0%	55.7%	
GC03-442	185.93	188.98	3.05	3.05	2.45			100.0%	80.3%	
GC03-442	188.98	192.02	3.04	2.70	2.20			88.8%	72.4%	
GC03-442	192.02	195.07	3.05	2.75	0.77			90.2%	25.2%	
GC03-442	195.07	198.12	3.05	2.71	0.61			88.9%	20.0%	
GC03-442	198.12	201.17	3.05	3.05	1.26			100.0%	41.3%	
GC03-442	201.17	204.22	3.05	2.95	1.85			96.7%	60.7%	
GC03-442	204.22	207.26	3.04	2.98	0.67			98.0%	22.0%	
GC03-442	207.26	210.31	3.05	3.05	1.53			100.0%	50.2%	
GC03-442	210.31	213.36	3.05	3.05	1.45			100.0%	47.5%	
GC03-442	213.36	216.41	3.05	3.05	0.85			100.0%	27.9%	
GC03-442	216.41	219.46	3.05	2.81	1.15			92.1%	37.7%	
GC03-442	219.46	222.50	3.04	3.04	2.34			100.0%	77.0%	
GC03-442	222.50	225.55	3.05	3.05	1.84			100.0%	60.3%	
GC03-442	225.55	228.60	3.05	3.05	1.17			100.0%	38.4%	
GC03-442	228.60	231.65	3.05	3.05	1.06			100.0%	34.8%	
GC03-442	231.65	234.70	3.05	3.05	1.38			100.0%	45.2%	
GC03-442	234.70	237.74	3.04	3.04	2.44			100.0%	80.3%	
GC03-442	237.74	240.79	3.05	3.05	0.44			100.0%	14.4%	
GC03-442	240.79	243.84	3.05	3.05	0.95			100.0%	31.1%	
GC03-442	243.84	246.89	3.05	3.05	2.25			100.0%	73.8%	
GC03-442	246.89	249.94	3.05	3.05	2.85			100.0%	93.4%	
GC03-442	249.94	252.98	3.04	2.90	0.54			95.4%	17.8%	
GC03-442	252.98	256.03	3.05	2.60	0.00			85.2%	0.0%	
GC03-442	256.03	259.08	3.05	3.05	0.00			100.0%	0.0%	
GC03-442	259.08	262.13	3.05	2.55	0.35			83.6%	11.5%	
GC03-442	262.13	265.18	3.05	3.05	2.73			100.0%	89.5%	
GC03-442	265.18	268.22	3.04	3.04	2.84			100.0%	93.4%	
GC03-442	268.22	271.27	3.05	3.05	2.47			100.0%	81.0%	
GC03-442	271.27	274.32	3.05	3.05	2.35			100.0%	77.0%	
GC03-442	274.32	277.37	3.05	3.05	2.98			100.0%	97.7%	
GC03-442	277.37	280.42	3.05	3.05	2.82			100.0%	92.5%	
GC03-442	280.42	283.46	3.04	3.04	2.47			100.0%	81.3%	
GC03-442	283.46	286.51	3.05	3.05	2.97			100.0%	97.4%	

Geotechnical Log  
GC03-442

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-442	286.51	289.56	3.05	3.02	2.82			99.0%	92.5%	
GC03-442	289.56	292.61	3.05	2.88	2.71			94.4%	88.9%	
GC03-442	292.61	295.66	3.05	3.05	2.94			100.0%	96.4%	
GC03-442	295.66	298.70	3.04	3.05	2.86			100.3%	94.1%	
GC03-442	298.70	301.75	3.05	3.00	2.40			98.4%	78.7%	
GC03-442	301.75	304.80	3.05	3.05	2.64			100.0%	86.6%	
GC03-442	304.80	307.85	3.05	3.05	2.70			100.0%	88.5%	
GC03-442	307.85	310.90	3.05	3.05	2.85			100.0%	93.4%	
GC03-442	310.90	313.94	3.04	3.04	2.52			100.0%	82.9%	
GC03-442	313.94	316.99	3.05	3.05	2.79			100.0%	91.5%	
GC03-442	316.99	320.04	3.05	3.05	2.91			100.0%	95.4%	
GC03-442	320.04	323.09	3.05	3.05	2.88			100.0%	94.4%	
GC03-442	323.09	326.14	3.05	2.92	2.85			95.7%	93.4%	
GC03-442	326.14	329.18	3.04	3.04	2.99			100.0%	98.4%	
GC03-442	329.18	332.23	3.05	3.05	2.83			100.0%	92.8%	
GC03-442	332.23	335.28	3.05	2.95	2.68			96.7%	87.9%	
GC03-442	335.28	338.33	3.05	3.00	2.48			98.4%	81.3%	
GC03-442	338.33	341.38	3.05	3.05	2.50			100.0%	82.0%	
GC03-442	341.38	344.42	3.04	3.04	2.96			100.0%	97.4%	
GC03-442	344.42	347.47	3.05	3.05	2.71			100.0%	88.9%	
GC03-442	347.47	350.52	3.05	3.05	3.05			100.0%	100.0%	
GC03-442	350.52	353.57	3.05	3.05	2.13			100.0%	69.8%	
GC03-442	353.57	356.62	3.05	2.96	2.40			97.0%	78.7%	
GC03-442	356.62	359.66	3.04	3.04	2.38			100.0%	78.3%	
GC03-442	359.66	362.71	3.05	3.05	2.18			100.0%	71.5%	
GC03-442	362.71	365.76	3.05	3.05	2.67			100.0%	87.5%	
GC03-442	365.76	368.81	3.05	3.05	2.74			100.0%	89.8%	
GC03-442	368.81	371.86	3.05	3.05	2.69			100.0%	88.2%	
GC03-442	371.86	374.90	3.04	3.04	2.35			100.0%	77.3%	
GC03-442	374.90	377.95	3.05	3.05	2.86			100.0%	93.8%	
GC03-442	377.95	381.00	3.05	2.95	2.20			96.7%	72.1%	
GC03-442	381.00	384.05	3.05	3.05	2.90			100.0%	95.1%	
GC03-442	384.05	387.10	3.05	2.90	2.65			95.1%	86.9%	
GC03-442	387.10	390.14	3.04	2.90	2.70			95.4%	88.8%	
GC03-442	390.14	393.19	3.05	3.05	2.50			100.0%	82.0%	
GC03-442	393.19	396.24	3.05	3.00	2.90			98.4%	95.1%	
GC03-442	396.24	399.29	3.05	3.05	3.00			100.0%	98.4%	
GC03-442	399.29	402.34	3.05	3.05	2.90			100.0%	95.1%	
GC03-442	402.34	405.38	3.04	3.04	2.94			100.0%	96.7%	
GC03-442	405.38	408.43	3.05	2.94	2.11			96.4%	69.2%	
GC03-442	408.43	411.48	3.05	3.04	2.50			99.7%	82.0%	
GC03-442	411.48	414.53	3.05	3.05	2.80			100.0%	91.8%	
GC03-442	414.53	417.58	3.05	2.97	2.80			97.4%	91.8%	
GC03-442	417.58	420.62	3.04	3.04	2.83			100.0%	93.1%	
GC03-442	420.62	423.67	3.05	2.61	2.31			85.6%	75.7%	
GC03-442	423.67	426.72	3.05	3.00	2.70			98.4%	88.5%	

Geotechnical Log  
GC03-442

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-442	426.72	429.77	3.05	3.43	3.00			112.5%	98.4%	
GC03-442	429.77	432.82	3.05	3.29	2.97			107.9%	97.4%	
GC03-442	432.82	435.86	3.04	2.70	2.49			88.8%	81.9%	
GC03-442	435.86	438.91	3.05	2.86	2.30			93.8%	75.4%	
GC03-442	438.91	441.96	3.05	3.02	2.83			99.0%	92.8%	
GC03-442	441.96	445.01	3.05	2.90	2.85			95.1%	93.4%	
GC03-442	445.01	448.06	3.05	3.05	2.78			100.0%	91.1%	
GC03-442	448.06	451.10	3.04	2.98	2.58			98.0%	84.9%	
GC03-442	451.10	454.15	3.05	3.05	2.98			100.0%	97.7%	
GC03-442	454.15	457.20	3.05	3.05	2.46			100.0%	80.7%	
GC03-442	457.20	460.25	3.05	3.05	2.43			100.0%	79.7%	
GC03-442	460.25	463.30	3.05	3.05	2.30			100.0%	75.4%	
GC03-442	463.30	466.34	3.04	2.96	2.24			97.4%	73.7%	
GC03-442	466.34	469.39	3.05	2.81	2.75			92.1%	90.2%	
GC03-442	469.39	472.44	3.05	2.90	2.80			95.1%	91.8%	
GC03-442	472.44	475.49	3.05	3.00	2.85			98.4%	93.4%	
GC03-442	475.49	478.54	3.05	2.94	2.70			96.4%	88.5%	
GC03-442	478.54	481.58	3.04	3.00	2.60			98.7%	85.5%	
GC03-442	481.58	484.63	3.05	3.05	3.00			100.0%	98.4%	
GC03-442	484.63	487.68	3.05	3.05	2.43			100.0%	79.7%	
GC03-442	487.68	490.73	3.05	2.80	2.11			91.8%	69.2%	
GC03-442	490.73	493.78	3.05	3.05	2.18			100.0%	71.5%	
GC03-442	493.78	496.82	3.04	3.04	2.51			100.0%	82.6%	
GC03-442	496.82	499.87	3.05	3.05	2.49			100.0%	81.6%	
GC03-442	499.87	502.92	3.05	2.99	2.26			98.0%	74.1%	
GC03-442	502.92	505.97	3.05	3.03	2.60			99.3%	85.2%	
GC03-442	505.97	509.02	3.05	3.05	2.83			100.0%	92.8%	
GC03-442	509.02	512.06	3.04	3.05	2.77			100.3%	91.1%	
GC03-442	512.06	515.11	3.05	3.03	2.67			99.3%	87.5%	
GC03-442	515.11	518.16	3.05	3.00	2.65			98.4%	86.9%	
GC03-442	518.16	521.21	3.05	3.03	3.03			99.3%	99.3%	
GC03-442	521.21	524.26	3.05	3.00	2.82			98.4%	92.5%	
GC03-442	524.26	527.30	3.04	2.90	2.86			95.4%	94.1%	
GC03-442	527.30	530.35	3.05	3.05	2.74			100.0%	89.8%	
GC03-442	530.35	533.40	3.05	2.94	2.61			96.4%	85.6%	
GC03-442	533.40	536.45	3.05	3.05	2.71			100.0%	88.9%	
GC03-442	536.45	539.50	3.05	3.05	2.93			100.0%	96.1%	
GC03-442	539.50	542.54	3.04	3.05	2.92			100.3%	96.1%	
GC03-442	542.54	545.59	3.05	2.85	2.80			93.4%	91.8%	
GC03-442	545.59	548.64	3.05	3.03	2.90			99.3%	95.1%	
GC03-442	548.64	551.69	3.05	3.05	2.51			100.0%	82.3%	
GC03-442	551.69	554.74	3.05	3.05	2.68			100.0%	87.9%	
GC03-442	554.74	557.78	3.04	3.02	2.83			99.3%	93.1%	
GC03-442	557.78	560.83	3.05	3.00	2.80			98.4%	91.8%	
GC03-442	560.83	563.88	3.05	2.98	2.98			97.7%	97.7%	

Geotechnical Log  
GC03-443

Geotechnical Log

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
---------	------	----	--------	----------	---------------	------	---------	------------	-------	---------

NO GEOTECH!

Geotechnical GC03-444

Geotechnical Log

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-444	9.14	11.28	2.14	0.7	0.12			32.71%	5.61%	
GC03-444	11.28	12.19	0.91	0.3	0			32.97%	0.00%	
GC03-444	12.19	14.33	2.14	0.35	0.2			16.36%	9.35%	
GC03-444	14.33	15.24	0.91	0.6	0.12			65.93%	13.19%	
GC03-444	15.24	17.37	2.13	0.33	0			15.49%	0.00%	
GC03-444	17.37	33.53	16.16	1.65	0.33			10.21%	2.04%	
GC03-444	33.53	35.66	2.13	0.38	0			17.84%	0.00%	
GC03-444	35.66	38.71	3.05	2.5	0.12			81.97%	3.93%	
GC03-444	38.71	41.76	3.05	3.13	0.12			102.62%	3.93%	
GC03-444	41.76	44.81	3.05	2.23	0.12			73.11%	3.93%	
GC03-444	44.81	47.85	3.04	2.94	1.59			96.71%	52.30%	
GC03-444	47.85	50.9	3.05	2.94	2.38			96.39%	78.03%	
GC03-444	50.9	53.95	3.05	2.9	1.97			95.08%	64.59%	
GC03-444	53.95	56.99	3.04	3.13	0.61			102.96%	20.07%	
GC03-444	56.99	60.05	3.06	2.87	1.67			93.79%	54.58%	
GC03-444	60.05	63.09	3.04	3.12	0.9			102.63%	29.61%	
GC03-444	63.09	66.14	3.05	3.48	1.12			114.10%	36.72%	
GC03-444	66.14	69.19	3.05	2.79	0.68			91.48%	22.30%	
GC03-444	69.19	72.24	3.05	2.93	0.9			96.07%	29.51%	
GC03-444	72.24	75.29	3.05	3.5	0.67			114.75%	21.97%	
GC03-444	75.29	78.33	3.04	3.07	0.4			100.99%	13.16%	
GC03-444	78.33	81.38	3.05	3.17	0.85			103.93%	27.87%	
GC03-444	81.38	84.43	3.05	3.1	1.02			101.64%	33.44%	
GC03-444	84.43	87.48	3.05	3.17	0.69			103.93%	22.62%	
GC03-444	87.48	90.53	3.05	2.9	1.71			95.08%	56.07%	
GC03-444	90.53	93.57	3.04	3.07	2.02			100.99%	66.45%	
GC03-444	93.57	96.62	3.05	3.1	2.73			101.64%	89.51%	
GC03-444	96.62	99.67	3.05	3.04	2.75			99.67%	90.16%	
GC03-444	99.67	102.72	3.05	2.97	1.45			97.38%	47.54%	
GC03-444	102.72	105.77	3.05	3.01	1.66			98.69%	54.43%	
GC03-444	105.77	108.81	3.04	2.98	2.41			98.03%	79.28%	
GC03-444	108.81	111.86	3.05	2.98	1.52			97.70%	49.84%	
GC03-444	111.86	114.91	3.05	2.99	1.99			98.03%	65.25%	
GC03-444	114.91	117.96	3.05	3.05	2.97			100.00%	97.38%	
GC03-444	117.96	121.01	3.05	3.08	2.96			100.98%	97.05%	
GC03-444	121.01	124.05	3.04	3.06	2.38			100.66%	78.29%	
GC03-444	124.05	127.1	3.05	3.11	2.18			101.97%	71.48%	

Geotechnical GC03-444

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-444	127.1	130.15	3.05	3.13	2.77			102.62%	90.82%	
GC03-444	130.15	133.2	3.05	3.11	1.55			101.97%	50.82%	
GC03-444	133.2	136.25	3.05	3	2.62			98.36%	85.90%	
GC03-444	136.25	139.29	3.04	3.06	2.81			100.66%	92.43%	
GC03-444	139.29	142.34	3.05	2.97	1.66			97.38%	54.43%	
GC03-444	142.34	145.39	3.05	3	2.69			98.36%	88.20%	
GC03-444	145.39	148.44	3.05	3.11	3.11			101.97%	101.97%	
GC03-444	148.44	151.49	3.05	3.08	2.98			100.98%	97.70%	
GC03-444	151.49	154.53	3.04	3.03	3.03			99.67%	99.67%	
GC03-444	154.53	157.58	3.05	3.02	1.81			99.02%	59.34%	
GC03-444	157.58	160.63	3.05	2.97	2.64			97.38%	86.56%	
GC03-444	160.63	163.68	3.05	3.01	3.01			98.69%	98.69%	
GC03-444	163.68	166.73	3.05	3.02	2.63			99.02%	86.23%	
GC03-444	166.73	169.77	3.04	3.05	3.05			100.33%	100.33%	
GC03-444	169.77	172.82	3.05	3.05	2.9			100.00%	95.08%	
GC03-444	172.82	175.87	3.05	2.98	2.69			97.70%	88.20%	
GC03-444	175.87	178.92	3.05	3.11	3.11			101.97%	101.97%	
GC03-444	178.92	181.97	3.05	3.1	3.1			101.64%	101.64%	
GC03-444	181.97	185.01	3.04	3.04	3.04			100.00%	100.00%	
GC03-444	185.01	188.06	3.05	3.06	3.06			100.33%	100.33%	
GC03-444	188.06	191.11	3.05	3.05	2.67			100.00%	87.54%	
GC03-444	191.11	194.16	3.05	3.09	2.86			101.31%	93.77%	
GC03-444	194.16	197.21	3.05	3	2.87			98.36%	94.10%	
GC03-444	197.21	200.25	3.04	3.06	2.77			100.66%	91.12%	
GC03-444	200.25	203.3	3.05	3.03	3.01			99.34%	98.69%	
GC03-444	203.3	206.35	3.05	3.14	2.99			102.95%	98.03%	
GC03-444	206.35	209.45	3.1	3.05	3.05			98.39%	98.39%	
GC03-444	209.45	212.45	3	3.08	3.68			102.67%	122.67%	
GC03-444	212.45	215.49	3.04	3	2.33			98.68%	76.64%	
GC03-444	215.49	218.54	3.05	2.87	2			94.10%	65.57%	
GC03-444	218.54	221.59	3.05	3	2.66			98.36%	87.21%	
GC03-444	221.59	224.64	3.05	3.11	2.1			101.97%	68.85%	
GC03-444	224.64	227.69	3.05	3.05	2.39			100.00%	78.36%	
GC03-444	227.69	230.73	3.04	3.04	2.94			100.00%	96.71%	
GC03-444	230.73	233.78	3.05	3.05	2.94			100.00%	96.39%	
GC03-444	233.78	236.83	3.05	3.05	2.78			100.00%	91.15%	
GC03-444	236.83	239.88	3.05	3.05	2.9			100.00%	95.08%	
GC03-444	239.88	242.93	3.05	3.05	2.75			100.00%	90.16%	
GC03-444	242.93	245.97	3.04	3.05	2.77			100.33%	91.12%	

Geotechnical GC03-444

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-444	245.97	249.02	3.05	3.05	2.78			100.00%	91.15%	
GC03-444	249.02	252.07	3.05	3.05	2.72			100.00%	89.18%	
GC03-444	252.07	255.12	3.05	3.05	2.77			100.00%	90.82%	
GC03-444	255.12	258.17	3.05	3.05	3.02			100.00%	99.02%	
GC03-444	258.17	261.21	3.04	3.04	2.71			100.00%	89.14%	
GC03-444	261.21	264.26	3.05	3.05	2.17			100.00%	71.15%	
GC03-444	264.26	267.31	3.05	3.05	2.12			100.00%	69.51%	
GC03-444	267.31	270.36	3.05	3.05	1.9			100.00%	62.30%	
GC03-444	270.36	273.41	3.05	3.05	2.98			100.00%	97.70%	
GC03-444	273.41	276.45	3.04	3.04	2.84			100.00%	93.42%	
GC03-444	276.45	279.5	3.05	3.05	2.85			100.00%	93.44%	
GC03-444	279.5	282.55	3.05	3.05	2.98			100.00%	97.70%	
GC03-444	282.55	285.6	3.05	3.05	3.05			100.00%	100.00%	
GC03-444	285.6	288.65	3.05	3.05	2.65			100.00%	86.89%	
GC03-444	288.65	291.69	3.04	3.04	2.73			100.00%	89.80%	
GC03-444	291.69	294.74	3.05	3.02	3			99.02%	98.36%	
GC03-444	294.74	297.79	3.05	3	2.83			98.36%	92.79%	
GC03-444	297.79	300.84	3.05	3.05	2.77			100.00%	90.82%	
GC03-444	300.84	303.89	3.05	3.05	3.05			100.00%	100.00%	
GC03-444	303.89	306.93	3.04	3.04	2.78			100.00%	91.45%	
GC03-444	306.93	309.99	3.06	3.06	2.97			100.00%	97.06%	
GC03-444	309.99	313.04	3.05	3.04	3.04			99.67%	99.67%	
GC03-444	313.04	316.08	3.04	3.05	2.93			100.33%	96.38%	
GC03-444	316.08	319.13	3.05	2.85	2.42			93.44%	79.34%	
GC03-444	319.13	322.17	3.04	3.03	2.39			99.67%	78.62%	
GC03-444	322.17	325.22	3.05	3	2.45			98.36%	80.33%	
GC03-444	325.22	328.27	3.05	3.05	2.68			100.00%	87.87%	
GC03-444	328.27	331.32	3.05	3.05	2.38			100.00%	78.03%	
GC03-444	331.32	334.37	3.05	2.95	2.87			96.72%	94.10%	
GC03-444	334.37	337.41	3.04	2.99	2.6			98.36%	85.53%	
GC03-444	337.41	340.46	3.05	3.02	2.6			99.02%	85.25%	
GC03-444	340.46	343.51	3.05	3.05	2.32			100.00%	76.07%	
GC03-444	343.51	346.56	3.05	3.05	2.6			100.00%	85.25%	
GC03-444	346.56	349.61	3.05	3.05	1.62			100.00%	53.11%	
GC03-444	349.61	352.66	3.05	3.02	1.27			99.02%	41.64%	
GC03-444	352.66	355.72	3.06	2.8	2.44			91.50%	79.74%	
GC03-444	355.72	358.75	3.03	2.82	2.55			93.07%	84.16%	

**Geotechnical Log  
GC03-445**

**Geotechnical Log**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-445	9.14	12.14	3.00	0.41	0.00			13.67%	0.00%	
GC03-445	12.14	15.24	3.10	0.08	0.00			2.58%	0.00%	
GC03-445	15.24	18.29	3.05	0.11	0.00			3.61%	0.00%	
GC03-445	18.29	21.33	3.04	0.18	0.00			5.92%	0.00%	
GC03-445	21.33	24.38	3.05	0.63	0.00			20.66%	0.00%	
GC03-445	24.38	27.43	3.05	0.67	0.00			21.97%	0.00%	
GC03-445	27.43	30.48	3.05	0.48	0.00			15.74%	0.00%	
GC03-445	30.48	33.53	3.05	0.36	0.00			11.80%	0.00%	
GC03-445	33.53	36.58	3.05	1.26	0.00			41.31%	0.00%	
GC03-445	36.58	39.62	3.04	0.90	0.00			29.61%	0.00%	
GC03-445	39.62	42.67	3.05	1.18	0.00			38.69%	0.00%	
GC03-445	42.67	45.72	3.05	1.31	0.00			42.95%	0.00%	
GC03-445	45.72	48.77	3.05	0.92	0.00			30.16%	0.00%	
GC03-445	48.77	51.81	3.04	1.22	0.00			40.13%	0.00%	
GC03-445	51.81	54.86	3.05	0.74	0.00			24.26%	0.00%	
GC03-445	54.86	57.91	3.05	2.15	0.00			70.49%	0.00%	
GC03-445	57.91	60.96	3.05	2.08	0.84			68.20%	27.54%	
GC03-445	60.96	64.01	3.05	2.83	0.00			92.79%	0.00%	
GC03-445	64.01	67.06	3.05	1.11	0.00			36.39%	0.00%	
GC03-445	67.06	70.10	3.04	0.80	0.00			26.32%	0.00%	
GC03-445	70.10	73.15	3.05	2.16	0.68			70.82%	22.30%	
GC03-445	73.15	76.20	3.05	0.94	0.59			30.82%	19.34%	
GC03-445	76.20	79.25	3.05	0.65	0.00			21.31%	0.00%	
GC03-445	79.25	82.30	3.05	1.54	0.00			50.49%	0.00%	
GC03-445	82.30	85.34	3.04	0.83	0.00			27.30%	0.00%	
GC03-445	85.34	88.39	3.05	2.42	0.00			79.34%	0.00%	
GC03-445	88.39	91.44	3.05	3.26	0.00			106.89%	0.00%	
GC03-445	91.44	94.49	3.05	2.61	0.00			85.57%	0.00%	
GC03-445	94.49	97.54	3.05	1.49	0.00			48.85%	0.00%	
GC03-445	97.54	100.58	3.04	1.41	0.00			46.38%	0.00%	
GC03-445	100.58	103.63	3.05	1.40	0.00			45.90%	0.00%	
GC03-445	103.63	106.68	3.05	1.08	0.00			35.41%	0.00%	
GC03-445	106.68	109.93	3.25	2.68	0.00			82.46%	0.00%	
GC03-445	109.93	112.78	2.85	2.27	0.00			79.65%	0.00%	
GC03-445	112.78	115.82	3.04	2.18	0.00			71.71%	0.00%	
GC03-445	115.82	118.87	3.05	3.10	0.00			101.64%	0.00%	



**Geotechnical Log**  
**GC03-445**

Hole ID	From	To	Length	Measured	Measured 12cm	Hard	FracInt	Recovery %	RQD %	Remarks
GC03-445	118.87	121.92	3.05	2.87	0.00			94.10%	0.00%	
GC03-445	121.92	124.97	3.05	2.13	0.35			69.84%	11.48%	
GC03-445	124.97	128.08	3.11	2.87	0.39			92.28%	12.54%	
GC03-445	128.08	131.06	2.98	3.10	0.00			104.03%	0.00%	
GC03-445	131.06	134.11	3.05	1.96	0.00			64.26%	0.00%	
GC03-445	134.11	137.16	3.05	2.13	0.00			69.84%	0.00%	
GC03-445	137.16	140.21	3.05	2.71	0.23			88.85%	7.54%	
GC03-445	140.21	143.26	3.05	1.88	0.28			61.64%	9.18%	
GC03-445	143.26	146.30	3.04	1.54	0.17			50.66%	5.59%	
GC03-445	146.30	149.35	3.05	1.94	1.19			63.61%	39.02%	
GC03-445	149.35	152.40	3.05	1.21	0.00			39.67%	0.00%	
GC03-445	152.40	155.45	3.05	3.18	1.99			104.26%	65.25%	
GC03-445	155.45	158.50	3.05	3.00	2.69			98.36%	88.20%	
GC03-445	158.50	161.54	3.04	2.50	0.91			82.24%	29.93%	
GC03-445	161.54	164.59	3.05	2.85	0.66			93.44%	21.64%	
GC03-445	164.59	167.64	3.05	2.78	0.93			91.15%	30.49%	
GC03-445	167.64	170.69	3.05	2.93	1.98			96.07%	64.92%	
GC03-445	170.69	173.74	3.05	2.93	1.23			96.07%	40.33%	
GC03-445	173.74	176.78	3.04	3.08	2.73			101.32%	89.80%	
GC03-445	176.78	179.83	3.05	3.18	1.04			104.26%	34.10%	
GC03-445	179.83	182.88	3.05	2.94	1.44			96.39%	47.21%	
GC03-445	182.88	185.93	3.05	3.08	1.30			100.98%	42.62%	
GC03-445	185.93	188.98	3.05	3.06	0.81			100.33%	26.56%	
GC03-445	188.98	192.02	3.04	3.16	1.83			103.95%	60.20%	
GC03-445	192.02	195.07	3.05	2.93	1.64			96.07%	53.77%	
GC03-445	195.07	198.12	3.05	3.10	1.65			101.64%	54.10%	
GC03-445	198.12	201.17	3.05	2.84	1.25			93.11%	40.98%	
GC03-445	201.17	204.22	3.05	3.11	2.46			101.97%	80.66%	
GC03-445	204.22	207.26	3.04	3.02	1.30			99.34%	42.76%	
GC03-445	207.26	210.31	3.05	3.02	2.08			99.02%	68.20%	
GC03-445	210.31	213.36	3.05	2.99	2.53			98.03%	82.95%	
GC03-445	213.36	216.41	3.05	2.67	1.12			87.54%	36.72%	
GC03-445	216.41	217.20	0.79	0.79	0.49			100.00%	62.03%	

**APPENDIX VIII**

**ASSAY CERTIFICATES**  
**AND**  
**ANAYLYTICAL PROCEDURES**



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 1  
Date : 17-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03040025

Project : Galore Creek

P.O. No:

This report is for 77 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 8-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

Hole GC03-436

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - A  
Total # of pages : 3. (A - C)  
Date : 17-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040025

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100095		1.30	0.375	1.4	1.31	6	<10	40	0.7	<2	0.49	<0.5	27	30	3410	6.29
100096		0.72	2.96	5.8	1.64	6	<10	30	0.6	<2	0.97	<0.5	24	33	>10000	7.04
100097		0.90	2.66	5.5	1.30	14	<10	30	0.7	<2	0.91	<0.5	19	15	>10000	6.71
100098		1.78	3.51	8.6	1.52	4	<10	20	<0.5	<2	0.83	0.8	23	23	>10000	7.21
100099		1.48	4.29	10.3	1.56	5	<10	20	<0.5	<2	0.88	1.8	26	26	>10000	7.01
100100		3.78	4.59	13.4	1.74	10	<10	20	0.8	<2	0.98	0.9	29	22	>10000	8.06
100101		4.60	0.975	3.2	1.80	6	<10	70	1.0	<2	1.01	<0.5	23	20	6410	6.68
100102		1.06	0.853	3.0	1.52	8	<10	70	1.4	<2	0.91	<0.5	20	17	6680	12.00
100103		2.94	2.76	8.0	1.58	7	<10	20	0.6	<2	1.02	1.8	39	20	>10000	8.70
100104		2.72	0.809	4.6	1.66	5	<10	30	0.8	<2	0.89	<0.5	24	14	7800	7.16
100105			0.994	5.0	1.56	3	<10	30	0.7	<2	0.87	<0.5	25	10	7900	6.97
100106		2.90	0.854	3.6	1.46	8	<10	30	1.0	<2	1.52	<0.5	19	17	5410	7.13
100107		3.52	1.740	9.5	1.46	6	<10	20	0.9	<2	0.95	1.0	30	16	>10000	7.35
100108		4.38	1.215	6.4	1.43	2	<10	20	1.4	<2	1.02	0.5	29	12	>10000	9.83
100109		4.10	1.285	8.1	1.63	5	<10	30	1.0	<2	1.28	<0.5	26	17	>10000	6.61
100110		2.84	0.763	2.6	1.43	5	<10	40	1.0	<2	1.15	<0.5	23	16	4350	5.90
100111		4.06	1.220	4.2	1.48	5	<10	60	1.2	<2	1.31	<0.5	18	17	5780	6.46
100112		2.68	0.811	4.0	1.88	4	<10	40	1.3	<2	1.12	<0.5	34	12	5040	7.80
100113		2.62	0.441	2.1	1.34	7	<10	90	1.2	<2	1.08	<0.5	22	23	2480	5.67
100114		2.60	2.70	8.4	1.70	5	<10	20	0.8	<2	1.50	1.1	23	16	>10000	5.69
100115		5.20	0.442	1.8	1.52	4	<10	50	1.8	<2	1.16	<0.5	32	21	2220	10.60
100116		0.10	0.025	18.2	0.44	13	<10	140	<0.5	3	0.98	<0.5	4	48	6580	1.44
100117		3.40	2.18	1.5	1.29	4	<10	490	2.7	<2	2.21	<0.5	11	17	1310	7.60
100118		3.40	0.167	0.6	1.40	<2	<10	550	1.4	<2	2.65	<0.5	11	6	554	5.38
100119		4.54	0.500	1.7	1.38	7	<10	450	1.4	<2	2.96	<0.5	12	15	2130	6.06
100120		4.52	2.79	13.5	1.42	9	<10	20	1.2	<2	1.82	<0.5	24	11	>10000	6.40
100121		4.78	1.855	10.3	1.31	4	<10	20	0.6	<2	2.02	<0.5	22	6	>10000	4.75
100122		4.62	0.159	0.8	1.52	6	<10	400	0.9	<2	2.89	<0.5	9	11	1125	4.43
100123		4.68	0.037	0.7	1.70	7	<10	140	0.7	<2	3.00	<0.5	12	19	317	4.25
100124			0.047	0.7	1.54	5	<10	120	0.7	<2	2.85	<0.5	13	12	287	4.13
100125		2.60	0.097	0.4	1.64	9	<10	140	0.9	<2	2.66	<0.5	15	19	513	4.42
100126		0.96	0.062	0.2	1.68	3	<10	150	0.9	<2	2.85	<0.5	14	12	401	4.72
100127		2.68	0.033	0.4	1.50	7	<10	140	0.8	<2	2.84	<0.5	12	17	228	4.25
100128		1.62	1.495	8.0	1.24	6	<10	60	0.9	<2	2.62	0.5	18	9	8470	4.96
100129		1.50	9.30	19.1	0.38	9	<10	20	<0.5	<2	2.95	0.7	24	23	>10000	6.23
100130		1.40	4.50	12.9	0.56	19	<10	20	0.6	9	2.14	0.6	19	12	>10000	5.68
100131		1.74	1.530	4.8	1.20	22	<10	10	1.0	<2	1.44	2.2	25	19	3720	8.30
100132		4.00	0.721	1.8	1.20	16	<10	20	<0.5	<2	4.37	<0.5	17	24	1475	4.35
100133		5.26	0.941	1.7	1.27	6	<10	20	1.0	<2	4.18	<0.5	18	9	1550	5.64
100134		4.38	0.505	1.2	1.24	9	<10	40	1.3	<2	5.55	<0.5	15	8	1170	5.95



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040025

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100135		4.56	0.465	0.6	1.14	7	<10	80	1.5	<2	6.09	<0.5	17	10	742	6.44
100136		4.18	1.310	1.6	1.20	11	<10	50	1.5	<2	4.99	<0.5	22	12	1165	6.35
100137		4.28	3.59	8.9	0.85	9	<10	20	0.5	<2	8.52	<0.5	12	6	6590	3.79
100138		0.14	0.509	0.5	0.87	3490	30	10	<0.5	18	5.60	0.6	102	11	118	3.35
100139		4.94	6.31	12.2	1.24	13	<10	30	0.7	<2	5.05	<0.5	14	8	>10000	4.57
100140		4.36	6.15	22.6	1.18	10	<10	20	0.5	<2	4.67	1.4	16	5	>10000	4.48
100141		4.32	0.992	1.7	1.22	15	<10	20	0.7	<2	4.97	<0.5	18	22	1430	4.44
100142		4.28	0.320	1.3	0.95	8	<10	20	0.5	<2	6.31	<0.5	18	9	1185	3.35
100143		4.14	0.402	2.5	0.78	5	<10	20	0.7	<2	6.68	0.5	18	8	2630	3.12
100144		4.56	0.334	1.3	1.40	8	<10	30	0.9	<2	6.36	<0.5	18	10	1285	5.57
100145		4.48	0.572	2.3	1.22	7	<10	20	0.7	<2	4.61	<0.5	31	12	2110	5.75
100146		4.54	0.522	1.8	1.25	3	<10	20	0.7	<2	4.93	<0.5	19	14	1745	4.60
100147		4.32	0.727	2.1	1.20	7	<10	30	1.2	<2	4.75	<0.5	16	13	1775	5.39
100148		4.14	1.690	2.5	1.24	17	<10	20	0.8	<2	3.36	<0.5	21	12	1495	7.50
100149			1.670	2.8	1.27	15	<10	20	0.8	<2	3.25	<0.5	19	31	1450	7.50
100150		4.72	1.700	2.1	1.24	13	<10	30	0.7	<2	4.38	<0.5	18	14	959	6.24
100251		4.68	0.445	1.2	1.44	9	<10	40	1.0	<2	7.63	<0.5	14	9	714	5.88
100252		4.40	1.355	1.8	0.79	3	<10	20	<0.5	<2	5.39	<0.5	12	9	1230	3.34
100253		4.52	1.870	4.3	1.10	6	<10	20	0.6	<2	4.02	<0.5	17	32	4080	4.48
100254		3.86	0.865	1.5	1.40	5	<10	30	0.7	<2	3.88	<0.5	15	20	1365	3.81
100255		5.10	0.209	1.2	1.39	5	<10	60	0.8	<2	4.17	<0.5	12	9	694	3.74
100256		4.78	0.208	0.6	1.32	7	<10	30	0.9	<2	3.60	<0.5	15	15	638	5.82
100257		4.00	1.445	3.3	1.06	4	<10	20	0.5	<2	4.45	<0.5	9	8	3690	2.71
100258		3.72	5.30	11.5	1.21	3	<10	20	0.6	<2	3.88	1.9	12	15	>10000	3.16
100259		4.60	1.775	3.1	1.30	8	<10	90	0.7	2	3.62	<0.5	12	10	3450	3.55
100260		0.12	0.028	17.8	0.42	14	<10	140	<0.5	<2	1.04	<0.5	4	48	6740	1.48
100261		4.42	0.038	0.2	1.20	7	<10	160	0.5	<2	2.96	<0.5	11	24	173	3.55
100262		4.16	0.024	<0.2	1.32	5	<10	220	0.5	<2	2.78	<0.5	12	25	148	3.51
100263		4.94	0.031	<0.2	1.34	7	<10	140	0.6	<2	3.34	<0.5	11	34	128	3.31
100264		4.70	0.020	<0.2	1.32	5	<10	170	0.5	<2	3.63	<0.5	13	29	109	3.69
100265		4.12	0.147	0.8	0.99	5	<10	30	0.5	<2	3.37	<0.5	15	19	818	3.91
100266		4.40	0.176	1.0	0.60	11	<10	20	0.5	<2	3.95	<0.5	15	28	333	4.35
100267		4.44	0.196	0.6	0.75	6	<10	10	<0.5	<2	3.63	<0.5	14	17	468	4.46
100268		4.00	0.114	0.5	0.79	3	<10	20	<0.5	<2	5.50	<0.5	10	9	360	2.89
100269			0.128	0.5	0.78	5	<10	20	<0.5	<2	5.82	<0.5	10	10	341	2.87
100270		4.76	0.265	1.4	0.85	22	<10	20	0.5	<2	3.26	<0.5	17	16	643	3.81
100271		7.16	0.429	0.8	1.14	7	<10	20	0.7	<2	3.89	<0.5	20	15	467	4.11



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 2 - B  
 Total # of pages : 3 (A - C)  
 Date : 17-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040025

Sample Description	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100095	10	1	1.20	20	1.14	389	33	0.02	5	1840	4	1.42	<2	3	127
100096	10	1	1.64	20	1.76	981	20	0.02	5	3350	4	1.98	<2	4	152
100097	10	<1	1.32	20	1.48	873	6	0.02	5	3250	4	1.61	<2	3	140
100098	10	<1	1.54	10	1.62	1170	9	0.02	6	2600	2	2.44	<2	4	144
100099	10	<1	1.64	10	1.78	1160	7	0.02	6	2890	3	3.26	<2	5	134
100100	10	1	1.66	10	1.80	1565	5	0.02	7	2770	5	2.72	<2	4	150
100101	10	<1	1.59	20	1.60	1880	9	0.02	5	2350	3	1.12	<2	3	177
100102	10	1	1.38	10	1.44	1855	14	0.02	5	2260	3	0.96	<2	4	179
100103	10	<1	1.34	10	1.76	1870	9	0.01	6	2950	5	3.57	<2	4	106
100104	10	<1	1.52	10	1.70	1715	9	0.01	6	2250	5	1.66	<2	3	144
100105	10	<1	1.43	10	1.68	1690	10	0.01	5	2290	3	1.66	<2	3	116
100106	10	<1	1.44	20	1.67	1660	5	0.02	5	4130	5	2.01	<2	4	159
100107	10	<1	1.26	10	1.54	1630	1	0.02	5	2070	3	2.48	<2	3	144
100108	10	<1	1.22	10	1.36	1880	1	0.02	6	1880	5	3.04	<2	3	137
100109	10	1	1.32	10	1.60	1940	1	0.02	5	1560	5	2.15	<2	5	188
100110	10	<1	1.24	10	1.68	1685	2	0.01	7	2020	4	1.28	<2	4	166
100111	10	<1	1.22	20	1.58	1785	1	0.02	6	2630	4	0.95	<2	3	185
100112	10	1	1.47	10	1.98	1975	36	0.01	9	2000	4	1.68	<2	4	176
100113	10	<1	1.06	20	1.29	1445	18	0.02	5	2200	3	0.81	<2	2	234
100114	10	<1	1.39	10	1.90	2020	<1	0.02	4	1880	7	2.40	<2	11	188
100115	10	<1	1.20	10	1.52	1720	16	0.02	5	1860	7	1.16	<2	4	218
100116	<10	<1	0.19	<10	0.14	220	103	0.02	9	210	38	0.88	33	1	181
100117	10	<1	1.19	20	1.66	1810	4	0.02	3	2760	6	0.36	<2	5	258
100118	10	1	0.80	20	1.04	1905	21	0.01	2	1800	5	0.27	<2	7	232
100119	10	<1	0.68	20	1.18	1995	9	0.02	3	1680	7	0.46	<2	11	256
100120	10	<1	1.30	10	1.64	1545	2	0.02	5	2020	6	2.53	<2	9	505
100121	10	<1	1.21	10	1.68	1430	6	0.01	4	2030	8	2.43	<2	8	700
100122	10	<1	0.78	20	1.53	1970	2	0.02	2	2070	4	0.28	<2	12	349
100123	10	1	0.63	10	1.48	2090	1	0.03	2	1910	5	0.04	<2	12	203
100124	10	<1	0.53	10	1.44	2000	1	0.02	4	1880	5	0.03	<2	11	178
100125	10	<1	0.63	10	1.50	1880	2	0.02	5	2030	7	0.06	<2	13	213
100126	10	<1	0.67	10	1.58	2140	1	0.02	4	2010	6	0.06	2	13	210
100127	10	<1	0.58	10	1.30	1715	1	0.03	4	1940	3	0.03	2	10	282
100128	10	<1	0.73	10	1.32	1560	1	0.02	4	1880	14	1.46	<2	10	537
100129	<10	<1	0.38	10	1.34	1510	3	0.01	7	1530	34	3.70	<2	6	1470
100130	<10	<1	0.52	10	1.42	1445	2	0.01	6	2040	39	3.09	<2	6	953
100131	10	1	1.19	10	1.73	1400	41	0.02	4	1560	49	5.96	<2	11	702
100132	10	<1	1.17	10	1.42	1090	14	0.01	4	1300	5	5.70	2	6	903
100133	10	1	0.93	10	1.45	1280	3	0.01	6	1700	4	4.80	<2	6	843
100134	10	<1	0.55	10	1.20	1625	3	0.01	4	1890	4	3.94	2	7	947



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - B  
 Total # of pages : 3 (A - C)  
 Date : 17-Oct-2003  
 Account: SPÉGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040025

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100135		10	<1	0.17	10	0.97	2280	6	0.01	2	1400	4	3.50	2	9	814
100136		10	1	0.26	10	0.98	1920	10	0.01	3	1460	4	5.70	<2	11	681
100137		10	<1	0.47	10	0.93	873	6	0.01	2	1240	11	8.62	<2	4	1445
100138		<10	<1	0.03	10	0.20	555	33	0.07	27	1180	16	1.28	9	1	83
100139		10	<1	0.75	20	1.36	1260	1	0.01	5	2110	7	4.46	3	8	930
100140		10	<1	0.86	20	1.41	1000	1	0.01	5	2140	5	4.89	2	4	915
100141		10	<1	1.12	20	1.40	1100	16	0.02	6	2260	2	5.50	2	4	994
100142		10	<1	0.79	10	1.08	984	22	0.02	5	2020	3	5.80	<2	4	1185
100143		10	<1	0.62	10	0.84	895	2	0.02	3	710	6	5.77	2	5	1285
100144		10	<1	1.08	20	1.40	1645	1	0.02	4	2040	5	4.27	<2	15	1225
100145		10	1	0.94	10	1.27	1205	5	0.01	7	1540	6	4.92	<2	3	974
100146		10	<1	0.80	10	1.25	1360	3	0.01	5	1650	6	4.76	<2	10	935
100147		10	<1	0.61	10	1.22	1605	<1	0.01	4	1700	7	3.43	<2	11	828
100148		10	<1	1.13	10	1.60	1290	5	0.01	7	1760	14	7.07	3	17	608
100149		10	<1	1.13	20	1.58	1280	5	0.01	7	1760	12	6.94	<2	18	615
100150		10	<1	1.02	10	1.50	1305	2	0.01	6	1740	9	5.02	<2	19	866
100251		10	<1	0.97	10	1.65	1325	3	0.01	4	350	6	8.22	<2	22	1150
100252		10	1	0.61	10	1.13	966	1	0.01	3	1410	6	5.60	<2	6	1045
100253		10	1	0.97	10	1.60	1170	2	0.02	7	2200	9	4.31	<2	6	989
100254		10	<1	1.00	10	1.70	1125	3	0.02	6	2310	3	2.63	<2	3	1120
100255		10	<1	0.79	10	1.44	1520	1	0.01	3	1920	3	2.18	<2	8	804
100256		10	1	0.77	10	1.38	1195	3	0.01	7	2010	2	2.39	<2	2	1005
100257		10	<1	0.74	10	1.42	1160	1	0.01	4	2660	8	3.29	<2	2	1065
100258		10	<1	0.78	10	1.40	884	1	0.01	7	1780	13	4.11	<2	2	995
100259		10	<1	0.44	10	1.34	1380	1	0.01	3	1860	4	1.87	<2	9	636
100260		<10	<1	0.18	<10	0.14	230	99	0.02	8	220	42	0.88	33	1	182
100261		10	<1	0.35	10	1.12	1115	2	0.02	3	1890	5	0.72	<2	7	495
100262		10	<1	0.36	10	1.07	912	1	0.04	5	1920	7	0.40	<2	7	430
100263		10	<1	0.37	10	1.24	1230	2	0.03	4	1870	9	0.89	<2	8	498
100264		10	1	0.41	10	1.25	1210	3	0.03	4	1830	8	0.64	<2	8	545
100265		10	1	0.69	10	1.30	1330	4	0.01	5	1710	8	2.73	<2	8	815
100266		<10	<1	0.65	10	1.18	1265	14	0.01	5	1500	9	5.18	<2	6	901
100267		10	<1	0.75	10	1.16	1315	3	0.01	8	1680	6	5.40	<2	4	724
100268		10	<1	0.73	10	1.04	1230	1	0.01	6	1600	5	5.45	<2	3	1020
100269		10	<1	0.72	10	1.04	1235	2	0.01	7	1600	5	5.64	<2	3	1055
100270		10	<1	0.83	10	1.20	1165	3	0.01	5	1690	13	4.48	<2	3	689
100271		10	<1	1.06	10	1.34	1350	1	0.01	7	1820	3	4.19	<2	3	818



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C

Total # of pages : 3 (A - C)

Date : 17-Oct-2003

Account: SPÉGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040025

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100095		0.12	<10	<10	419	<10	49	1.93
100096		0.16	<10	<10	516	<10	172	1.73
100097		0.15	<10	<10	545	<10	166	2.29
100098		0.17	<10	<10	518	<10	310	3.06
100099		0.15	<10	<10	450	<10	387	2.47
100100		0.18	<10	<10	576	<10	370	1.60
100101		0.17	<10	<10	456	<10	248	
100102		0.13	<10	<10	873	<10	246	
100103		0.12	<10	<10	528	<10	412	
100104		0.13	<10	<10	469	<10	192	
100105		0.13	<10	<10	456	<10	184	
100106		0.13	<10	<10	475	<10	164	1.70
100107		0.11	<10	<10	414	<10	329	1.08
100108		0.11	<10	<10	656	<10	288	1.57
100109		0.11	<10	<10	389	<10	232	
100110		0.10	<10	<10	364	<10	112	
100111		0.09	<10	<10	416	<10	104	
100112		0.13	<10	<10	581	<10	106	
100113		0.09	<10	<10	394	<10	73	1.85
100114		0.10	<10	<10	301	<10	271	
100115		0.10	<10	<10	728	<10	104	
100116		0.01	<10	<10	10	<10	81	
100117		0.10	<10	<10	499	<10	110	
100118		0.10	<10	<10	285	<10	83	
100119		0.09	<10	<10	303	<10	92	
100120		0.09	<10	<10	289	<10	143	1.55
100121		0.07	<10	<10	188	<10	108	1.10
100122		0.16	<10	<10	256	<10	81	
100123		0.23	<10	<10	224	<10	71	
100124		0.21	<10	<10	214	<10	70	
100125		0.19	<10	<10	269	<10	69	
100126		0.21	<10	<10	244	<10	72	
100127		0.22	<10	<10	219	<10	64	
100128		0.17	<10	<10	229	<10	141	1.50
100129		0.03	<10	<10	225	<10	104	
100130		0.03	<10	<10	173	<10	151	1.34
100131		0.11	<10	<10	362	<10	40	
100132		0.11	<10	<10	283	<10	87	
100133		0.11	<10	<10	398	<10	95	
100134		0.13	<10	<10	385	<10	92	





# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Total # of pages : 3 (A - C)

Date : 17-Oct-2003

Account: SPÉGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS

VA03040025

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100135		0.09	<10	<10	335	10	87	
100136		0.10	<10	<10	346	30	94	
100137		0.09	<10	<10	259	10	116	
100138		0.04	<10	<10	31	<10	130	
100139		0.14	<10	<10	323	10	168	1.21
100140		0.12	<10	<10	246	10	375	2.61
100141		0.14	<10	<10	320	10	96	
100142		0.08	<10	<10	227	<10	75	
100143		0.07	<10	<10	187	<10	98	
100144		0.13	<10	<10	332	10	118	
100145		0.13	<10	<10	331	10	97	
100146		0.13	<10	<10	326	10	102	
100147		0.12	<10	<10	375	<10	96	
100148		0.16	<10	<10	556	80	118	
100149		0.16	<10	<10	561	70	117	
100150		0.14	<10	<10	412	10	120	
100251		0.11	<10	<10	336	10	96	
100252		0.08	<10	<10	189	10	112	
100253		0.09	<10	<10	241	<10	150	
100254		0.10	<10	<10	244	<10	138	
100255		0.15	<10	<10	242	<10	109	
100256		0.08	<10	<10	391	<10	101	
100257		0.08	<10	<10	193	<10	108	
100258		0.09	<10	<10	160	<10	308	1.39
100259		0.13	<10	<10	191	<10	126	
100260		0.01	<10	<10	10	<10	85	
100261		0.15	<10	<10	181	<10	85	
100262		0.19	<10	<10	190	<10	67	
100263		0.15	<10	<10	185	<10	88	
100264		0.16	<10	<10	199	<10	88	
100265		0.12	<10	<10	177	<10	95	
100266		0.04	<10	<10	129	<10	64	
100267		0.05	<10	<10	213	<10	88	
100268		0.06	<10	<10	131	<10	82	
100269		0.05	<10	<10	131	40	84	
100270		0.06	<10	<10	226	<10	100	
100271		0.09	<10	<10	265	<10	114	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 1  
Date : 17-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03040024

Project : Galore Creek

P.O. No:

This report is for 94 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 8-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

*Hole GC 03-437*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - A  
Total # of pages: 4 (A - C)  
Date: 17-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100001		5.24	0.025	0.4	1.75	7	<10	340	0.9	<2	4.08	<0.5	16	39	484	3.72
100002		2.58	0.041	2.0	1.66	5	<10	250	1.0	<2	0.97	<0.5	19	26	6680	3.89
100003		1.12	0.049	2.1	1.74	5	<10	320	1.7	<2	0.69	<0.5	15	25	8700	4.92
100004		2.26	0.476	13.0	1.56	2	<10	20	0.6	3	0.62	<0.5	27	24	>10000	5.13
100005		0.74	3.21	36.0	1.46	12	<10	20	0.5	24	1.31	<0.5	28	15	>10000	7.17
100006		0.78	1.250	15.8	1.50	4	<10	30	0.6	4	1.92	<0.5	11	14	>10000	4.52
100007		0.28	3.07	16.7	1.84	8	<10	40	0.9	7	2.23	<0.5	26	18	>10000	6.31
100008		2.58	2.97	>100	1.56	8	<10	90	0.7	19	2.03	<0.5	14	14	>10000	4.43
100009		0.08	0.476	0.5	0.89	3500	40	10	<0.5	17	5.76	<0.5	109	13	135	3.35
100010		2.12	2.09	13.6	1.44	9	<10	20	0.7	2	1.92	<0.5	16	15	>10000	5.31
100011		2.98	2.52	14.9	1.45	7	<10	30	0.5	7	1.52	<0.5	25	13	>10000	5.25
100012			2.76	14.9	1.47	7	<10	30	0.5	5	1.51	<0.5	25	18	>10000	5.22
100013		3.56	1.715	14.0	1.57	6	<10	10	0.7	<2	2.24	<0.5	23	13	>10000	6.55
100014		1.26	1.545	9.3	1.82	10	<10	10	1.1	<2	2.07	<0.5	62	36	8400	9.57
100015		1.86	2.23	16.7	1.54	4	<10	10	1.0	<2	2.41	<0.5	27	15	>10000	8.07
100016		0.86	1.465	7.4	1.51	4	<10	20	1.9	<2	1.58	<0.5	24	38	8010	6.55
100017		0.82	5.90	17.4	1.36	3	<10	20	<0.5	10	1.02	<0.5	17	10	>10000	5.48
100018		1.18	4.01	11.5	1.21	5	<10	20	0.9	<2	1.65	<0.5	14	16	>10000	5.60
100019		1.30	4.33	11.6	1.25	2	<10	20	0.5	4	1.31	<0.5	26	15	>10000	6.04
100020		0.50	3.90	9.5	0.28	8	<10	10	0.7	<2	2.78	1.2	30	16	>10000	4.68
100021		6.18	1.420	5.3	0.48	9	<10	20	1.4	2	2.62	<0.5	32	39	5920	3.87
100022		2.64	3.53	9.5	0.65	5	<10	20	1.1	<2	1.94	<0.5	17	30	>10000	5.98
100023		2.34	2.52	9.4	0.75	4	<10	20	0.9	<2	2.18	<0.5	20	12	>10000	4.93
100024		2.92	2.76	8.4	1.48	5	<10	60	0.6	2	1.98	<0.5	18	29	>10000	4.34
100025		2.26	3.22	9.5	1.44	7	<10	40	0.5	<2	1.80	<0.5	25	11	>10000	4.64
100026		4.68	4.62	10.2	0.97	8	<10	30	0.6	3	1.92	0.5	19	9	>10000	5.02
100027		1.00	1.810	4.5	1.55	6	<10	120	0.6	<2	2.36	<0.5	10	11	>10000	3.97
100028		2.26	3.35	7.8	1.45	8	<10	90	0.6	<2	1.74	<0.5	16	17	>10000	4.62
100029		1.00	2.90	6.8	1.43	6	<10	80	0.5	<2	2.08	0.8	14	8	>10000	4.55
100030		0.78	0.916	1.8	1.47	9	<10	100	0.8	<2	2.08	<0.5	14	23	5190	4.33
100031		2.36	4.16	8.3	1.30	7	<10	60	0.6	<2	1.89	0.9	17	6	>10000	4.99
100032		1.78	1.800	5.5	1.64	10	<10	110	0.8	<2	2.50	0.8	21	17	>10000	4.76
100033		2.18	1.630	4.6	1.60	8	<10	70	0.9	<2	2.05	<0.5	19	12	8620	6.18
100034		2.70	3.70	9.2	1.38	9	<10	70	0.6	<2	1.81	1.1	14	18	>10000	4.28
100035		2.24	1.290	5.9	1.44	8	<10	130	0.7	<2	2.66	0.5	11	12	8060	3.78
100036		3.28	1.270	3.9	1.51	6	<10	50	0.8	<2	2.60	<0.5	17	23	6310	5.20
100037		3.74	0.423	0.8	1.32	7	<10	50	0.8	<2	4.01	<0.5	24	12	1085	4.98
100038			0.327	0.8	1.36	7	<10	40	0.8	<2	4.02	<0.5	23	18	1100	4.96
100039		5.64	0.385	1.0	1.17	8	<10	70	0.9	2	4.38	<0.5	12	12	1460	5.63
100040		0.08	2.89	0.3	1.33	5730	<10	20	<0.5	13	4.61	<0.5	159	28	58	2.90



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - A  
 Total # of pages : 4 (A - C)  
 Date : 17-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100041		3.80	0.391	1.0	1.22	15	<10	30	1.0	<2	4.48	<0.5	9	19	1830	4.75
100042		2.74	0.424	0.6	1.30	5	<10	50	1.3	<2	4.88	<0.5	9	11	1125	5.40
100043		1.88	0.139	0.5	1.37	<2	<10	70	1.0	<2	4.58	<0.5	13	24	733	4.44
100044		6.72	0.133	0.4	1.22	5	<10	60	1.0	<2	4.78	<0.5	12	18	777	4.88
100045			0.161	0.7	1.20	3	<10	50	0.9	<2	4.82	<0.5	12	15	778	4.86
100046		5.02	1.625	3.2	1.23	5	<10	30	0.9	8	4.82	<0.5	18	21	7170	5.04
100047		4.32	2.04	2.9	1.36	6	<10	50	0.8	5	4.56	<0.5	18	9	7050	3.72
100048		4.74	1.065	2.8	1.51	3	<10	50	1.0	3	4.95	1.1	21	10	5840	3.93
100049		4.22	0.627	1.3	0.98	3	<10	40	0.8	<2	5.38	<0.5	12	7	3170	2.84
100050		0.08	0.493	0.5	0.95	3620	40	10	<0.5	19	5.88	<0.5	108	13	127	3.39
100051		4.44	0.617	1.7	1.16	8	<10	30	1.0	<2	4.67	0.6	14	13	3060	3.89
100052		4.58	0.177	1.0	1.25	4	<10	20	0.7	<2	5.04	<0.5	16	16	1680	4.13
100053		4.12	0.096	0.5	0.97	10	<10	20	0.8	<2	4.53	<0.5	41	16	504	3.93
100054		4.10	0.594	1.6	0.67	7	<10	20	0.8	<2	5.23	<0.5	16	15	1020	3.60
100055		4.48	0.091	0.6	1.43	5	<10	30	1.1	<2	6.26	<0.5	18	23	884	4.23
100056		4.42	0.071	<0.2	1.05	4	<10	30	0.9	<2	7.08	<0.5	3	11	262	3.66
100057		4.34	0.113	0.4	1.01	5	<10	20	1.6	<2	7.31	<0.5	15	14	494	5.68
100058		4.44	0.237	0.6	0.93	7	<10	20	0.9	<2	7.08	<0.5	23	35	867	5.25
100059			0.246	0.8	0.93	6	<10	10	0.9	<2	6.98	<0.5	23	43	902	5.28
100060		4.06	0.169	0.5	0.96	5	<10	20	1.1	<2	7.81	<0.5	9	20	736	3.75
100061		4.98	0.276	1.0	0.85	6	<10	30	1.1	2	6.94	<0.5	7	19	1070	3.89
100062		4.08	0.163	0.9	0.92	6	<10	30	1.1	<2	6.89	0.5	11	28	1045	4.71
100063		4.38	0.157	0.8	1.19	4	<10	30	1.0	<2	6.39	<0.5	7	25	876	3.82
100064		4.34	0.153	0.8	1.41	6	<10	70	1.1	<2	6.03	<0.5	7	24	833	3.66
100065		4.10	0.216	1.0	1.19	7	<10	60	1.0	<2	5.69	<0.5	6	25	1125	3.97
100066		0.04	0.018	19.0	0.44	12	<10	140	<0.5	2	1.08	<0.5	4	52	6750	1.47
100067		4.18	0.234	1.5	1.38	7	<10	80	0.9	<2	5.72	<0.5	17	21	933	4.44
100068		4.44	0.144	1.1	1.50	3	<10	120	1.0	<2	5.06	<0.5	15	35	1090	3.97
100069		4.28	0.238	1.1	1.28	3	<10	50	0.9	<2	6.50	<0.5	13	24	1205	3.57
100070		4.30	0.212	0.8	1.38	3	<10	60	0.9	<2	5.50	<0.5	13	22	853	4.24
100071		4.52	0.164	1.1	1.43	3	<10	50	1.1	<2	5.59	<0.5	13	24	952	4.54
100072		4.04	0.319	1.6	1.26	5	<10	30	0.8	<2	5.46	<0.5	13	26	1780	3.64
100073		4.56	1.080	5.2	1.31	3	<10	30	0.9	<2	4.35	<0.5	23	22	5470	3.89
100074		4.02	1.145	3.9	1.25	4	<10	30	0.9	5	4.35	0.7	17	28	6570	3.95
100075			1.100	3.0	1.17	<2	<10	30	0.8	<2	3.84	0.5	15	19	6220	3.59
100076		4.56	2.97	5.1	0.93	2	<10	30	0.7	2	3.37	0.8	12	18	>10000	3.71
100077		4.72	1.460	9.9	1.02	2	<10	30	0.7	7	4.71	0.5	12	18	>10000	3.59
100078		3.90	2.36	7.1	1.18	2	<10	30	0.5	<2	4.18	0.5	9	12	>10000	3.20
100079		4.44	2.14	6.8	0.93	4	<10	20	0.6	8	3.97	1.3	11	8	>10000	3.17
100080		3.78	1.650	6.4	1.04	2	<10	40	0.7	<2	4.22	<0.5	7	12	6860	3.01



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Project: Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	WEI-Z1 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100081		4.66	1.055	5.9	1.30	4	<10	30	0.6	<2	4.22	<0.5	10	20	5380	3.16
100082		4.36	0.081	0.3	1.38	<2	<10	40	0.7	<2	5.07	<0.5	4	18	549	2.41
100083		3.88	0.262	0.6	1.62	4	<10	110	1.3	<2	5.57	<0.5	5	23	1360	3.71
100084		4.48	0.093	0.2	1.43	<2	<10	90	1.1	<2	5.52	<0.5	4	21	288	3.69
100085		4.26	0.153	0.5	1.08	7	<10	80	1.3	<2	5.59	<0.5	18	17	548	4.81
100086		4.52	0.051	0.2	1.28	5	<10	90	1.2	<2	5.97	<0.5	8	27	349	4.76
100087		4.34	0.095	<0.2	1.09	3	<10	30	1.4	<2	5.97	<0.5	14	16	490	5.31
100088		4.22	0.055	<0.2	1.50	<2	<10	80	1.2	<2	5.87	<0.5	4	17	224	2.98
100089		0.08	0.488	0.5	0.91	3530	30	20	<0.5	20	5.63	0.6	104	11	119	3.33
100090		4.40	0.053	0.3	1.38	9	<10	80	1.0	<2	6.91	<0.5	4	23	351	1.98
100091		4.58	0.113	0.7	1.32	<2	<10	80	1.0	<2	5.87	<0.5	13	17	1365	2.13
100092		4.18	0.081	<0.2	1.08	<2	<10	80	0.9	<2	8.04	<0.5	5	13	202	1.39
100093		4.12	0.087	0.2	1.24	<2	<10	60	1.2	<2	6.14	<0.5	7	20	413	1.72
100094		5.04	0.238	<0.2	1.76	<2	<10	60	1.3	<2	9.96	<0.5	8	21	246	1.77



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - B  
Total # of pages: 4 (A - C)  
Date: 17-Oct-2003  
Account: SPEGOL

Project: Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100001		10	<1	0.54	10	1.36	1180	8	0.06	12	1430	56	0.48	<2	7	368
100002		20	<1	0.99	10	1.50	1650	54	0.02	7	1800	9	0.70	<2	10	174
100003		20	<1	0.99	20	1.56	1440	7	0.01	6	1750	6	0.56	<2	15	144
100004		20	<1	1.09	20	1.46	904	22	0.01	7	1740	10	2.30	<2	6	118
100005		20	<1	1.36	30	1.94	1000	14	0.02	10	4510	16	3.03	3	5	132
100006		20	<1	0.89	20	1.68	1165	12	0.01	6	2370	8	1.87	<2	6	156
100007		20	<1	1.20	20	1.91	1865	1	0.01	7	2260	7	2.87	2	13	123
100008		20	<1	0.83	20	1.68	1760	<1	0.01	19	2550	8	2.03	<2	11	114
100009		10	<1	0.03	10	0.21	574	33	0.07	30	1210	13	1.30	7	1	87
100010		20	<1	0.75	20	1.50	1130	1	0.01	6	1860	8	2.59	2	10	128
100011		20	<1	0.83	10	1.53	1040	<1	0.01	5	1980	6	2.87	<2	10	127
100012		20	<1	0.84	10	1.54	1035	1	0.01	5	2010	7	2.67	2	11	128
100013		20	<1	1.03	10	1.66	1440	2	0.01	7	1950	5	4.07	<2	8	128
100014		30	<1	1.86	20	2.38	1455	51	0.02	13	4020	6	8.06	<2	16	116
100015		20	<1	1.02	20	1.66	1715	12	0.01	9	2240	5	4.95	<2	14	136
100016		20	<1	1.07	20	1.68	1450	1	0.01	8	1970	5	2.54	2	11	130
100017		20	<1	0.80	10	1.56	1175	<1	0.01	7	1660	4	1.99	2	6	101
100018		20	<1	1.04	20	1.92	1560	5	0.01	7	2080	4	2.04	2	14	155
100019		20	<1	0.85	20	1.36	1060	22	0.01	7	1980	5	3.95	<2	5	124
100020		10	<1	0.32	10	1.58	1280	237	0.01	7	1750	21	3.25	2	11	132
100021		10	<1	0.51	10	1.54	1365	372	0.02	6	1580	20	2.51	5	8	132
100022		10	<1	0.49	10	1.04	1100	4	0.01	6	1710	11	3.35	<2	8	162
100023		10	<1	0.54	20	1.21	1195	<1	0.02	4	1990	12	2.57	<2	10	141
100024		20	<1	0.38	20	1.48	1125	1	0.02	6	1900	5	1.78	2	11	162
100025		20	<1	0.38	20	1.42	1030	1	0.01	5	1780	4	1.91	2	12	146
100026		10	<1	0.34	10	1.03	991	1	0.01	5	1610	9	2.73	2	5	132
100027		10	<1	0.30	10	1.39	1570	<1	0.01	7	1770	3	1.14	2	7	165
100028		10	<1	0.47	10	1.33	1165	<1	0.01	5	1710	4	2.14	<2	6	163
100029		10	<1	0.42	10	1.37	1285	<1	0.01	5	1670	4	1.98	<2	8	158
100030		10	<1	0.44	10	1.17	1470	<1	0.02	4	1630	6	0.80	<2	6	309
100031		10	<1	0.55	20	1.37	1215	1	0.02	7	1810	14	2.25	2	8	263
100032		10	<1	0.74	20	1.63	1575	<1	0.02	6	2140	4	1.52	<2	11	188
100033		10	<1	0.59	20	1.58	1515	25	0.01	8	2410	5	1.90	<2	8	275
100034		10	<1	0.45	10	1.38	1165	1	0.02	4	1700	5	1.81	2	9	584
100035		10	<1	0.32	10	1.26	1385	2	0.01	5	1670	3	1.28	<2	8	595
100036		10	<1	0.47	20	1.43	1645	11	0.02	5	1800	4	2.32	<2	12	751
100037		10	<1	0.23	10	1.25	1830	8	0.01	4	1580	5	3.03	<2	11	787
100038		10	<1	0.27	10	1.26	1855	9	0.01	5	1600	4	2.95	<2	12	805
100039		20	<1	0.27	10	1.09	1665	8	0.01	6	1710	6	2.55	<2	7	812
100040		10	<1	0.04	<10	0.20	545	5	0.09	30	1030	6	0.50	8	2	94



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: -3 - B  
Total # of pages : 4 (A - C)  
Date : 17-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100041		20	<1	0.24	10	1.05	1670	7	0.01	5	1490	3	2.40	<2	8	840
100042		20	<1	0.37	20	1.38	2140	30	0.01	6	2210	2	1.92	<2	11	837
100043		20	<1	0.60	10	1.25	1730	4	0.01	6	1760	3	2.24	<2	10	806
100044		20	<1	0.68	10	1.24	1570	19	0.01	6	1910	4	2.65	<2	8	841
100045		20	<1	0.66	10	1.23	1580	19	0.01	7	1850	<2	2.55	<2	8	836
100046		20	<1	0.68	10	1.11	1325	5	0.01	7	1590	24	3.52	2	7	866
100047		20	<1	0.65	10	1.33	1540	5	0.01	6	1720	7	3.09	<2	9	815
100048		20	<1	0.76	10	1.35	1665	22	0.01	7	1970	12	3.39	<2	9	784
100049		10	<1	0.56	10	0.80	1150	20	0.01	4	1470	10	3.42	<2	6	1020
100050		10	<1	0.03	10	0.21	579	34	0.07	30	1190	15	1.34	9	1	88
100051		10	<1	0.75	10	0.89	1195	13	0.02	5	1520	5	3.38	<2	5	1070
100052		20	<1	0.79	10	1.20	1575	34	0.01	5	1680	4	3.48	<2	10	939
100053		10	<1	0.58	10	0.76	913	24	0.02	6	1430	6	6.59	<2	3	898
100054		10	<1	0.50	10	1.04	1695	20	0.01	5	1830	13	3.81	2	9	1230
100055		20	<1	0.50	20	1.42	2140	19	0.01	7	2800	36	3.80	2	9	1035
100056		20	<1	0.30	10	0.99	1805	<1	0.01	3	1760	7	4.39	<2	9	1135
100057		20	<1	0.51	10	1.18	1700	5	0.01	5	2560	8	5.19	2	11	1330
100058		20	<1	0.42	10	1.10	1775	77	0.01	5	1700	5	7.65	2	11	1120
100059		20	<1	0.42	10	1.10	1765	78	0.01	6	1710	7	7.65	<2	10	1100
100060		10	<1	0.54	10	1.14	1970	2	0.01	4	1850	5	4.73	<2	8	1200
100061		10	<1	0.49	10	1.10	2220	1	0.02	5	1560	6	3.50	2	9	1035
100062		10	<1	0.48	10	1.24	2270	3	0.02	5	2180	6	3.72	<2	10	1100
100063		20	<1	0.44	10	1.16	1595	4	0.02	5	1530	6	3.61	<2	12	993
100064		20	<1	0.71	10	1.42	1770	3	0.02	5	1730	8	3.02	<2	14	915
100065		10	<1	0.50	10	1.05	1335	1	0.02	5	1600	7	3.31	2	9	947
100066		<10	<1	0.18	<10	0.14	225	107	0.02	8	210	38	0.93	33	1	180
100067		20	<1	0.60	10	1.32	1590	1	0.02	5	1780	11	3.40	<2	10	892
100068		20	<1	0.47	10	1.36	1695	4	0.02	6	1620	9	2.40	<2	10	757
100069		20	<1	0.49	10	1.26	1555	2	0.05	5	1490	4	3.49	<2	11	1155
100070		20	<1	0.46	10	1.37	1695	2	0.05	7	1580	5	2.56	<2	12	894
100071		20	<1	0.60	10	1.47	1780	2	0.05	7	1850	3	2.75	2	16	949
100072		20	<1	0.52	10	1.34	1595	1	0.07	6	1680	4	2.62	<2	14	1045
100073		20	<1	0.73	10	1.39	1385	1	0.03	7	1750	4	2.87	<2	13	1035
100074		20	<1	0.84	10	1.27	1260	<1	0.02	8	1770	6	2.95	<2	12	969
100075		10	<1	0.78	10	1.28	1175	2	0.02	9	1680	4	2.72	<2	11	916
100076		10	<1	0.80	10	1.13	980	1	0.02	8	2300	6	3.28	2	5	931
100077		10	<1	0.79	10	1.10	1080	1	0.03	6	1940	4	4.02	<2	6	984
100078		10	<1	0.89	10	1.48	1040	1	0.02	8	1690	4	3.82	<2	10	893
100079		10	<1	0.61	10	1.04	766	<1	0.02	6	1450	4	4.22	<2	4	977
100080		10	<1	0.51	10	1.28	1315	1	0.02	4	1730	5	2.92	<2	8	1005



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - B  
 Total # of pages: 4 (A - C)  
 Date: 17-Oct-2003  
 Account: SPEGOL

Project: Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03040024</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100081		10	<1	0.54	20	1.44	1335	2	0.02	8	1780	5	2.82	2	9	933
100082		10	1	0.60	20	1.57	1275	1	0.01	6	1870	4	3.10	<2	8	1105
100083		10	<1	0.62	20	1.44	2180	2	0.01	6	1540	4	3.07	<2	9	751
100084		10	<1	0.59	20	1.40	2050	1	0.01	6	1730	5	3.16	<2	11	768
100085		10	<1	0.37	20	1.06	1575	21	0.01	4	1660	15	5.01	<2	11	939
100086		10	<1	0.25	20	1.15	2020	2	0.01	6	1490	7	3.57	2	8	843
100087		10	<1	0.35	20	1.20	1950	8	0.01	6	1470	6	4.33	<2	9	1085
100088		10	<1	0.66	20	1.55	1885	4	0.01	5	1910	7	3.05	<2	11	755
100089		<10	<1	0.03	10	0.22	578	33	0.07	31	1240	16	1.31	8	1	88
100090		10	<1	0.57	20	1.39	1650	1	0.01	4	1350	<2	3.75	<2	8	856
100091		10	<1	0.61	20	1.46	1490	30	0.01	5	1310	38	3.84	3	10	975
100092		10	<1	0.45	20	1.20	1365	1	0.01	2	840	6	5.42	<2	8	1245
100093		10	<1	0.61	20	1.44	1570	3	0.02	4	950	3	3.29	2	12	947
100094		10	<1	0.96	20	1.94	1720	6	0.03	3	910	7	7.55	<2	10	1365





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C  
Total # of pages: 4 (A - C)  
Date: 17-Oct-2003  
Account: SPEGOL

Project: Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	ME-ICP41 TI % 0.01	ME-ICP41 TI ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Ag-AA46 Ag ppm 1	Cu-AA46 Cu % 0.01
	100001		0.14	<10	<10	135	<10	108	
100002		0.18	<10	<10	196	<10	119		
100003		0.18	<10	<10	223	<10	138		
100004		0.13	<10	<10	207	<10	360		2.76
100005		0.19	<10	<10	264	<10	175		7.02
100006		0.10	<10	10	153	<10	187		3.19
100007		0.14	<10	10	314	<10	224	135	3.45
100008		0.16	<10	<10	283	490	163		2.78
100009		0.04	<10	10	33	10	136		
100010		0.11	<10	10	217	<10	207		3.22
100011		0.14	<10	<10	201	<10	334		2.73
100012		0.14	<10	<10	204	<10	341		2.81
100013		0.09	<10	10	385	<10	234		1.85
100014		0.14	<10	<10	532	<10	184		
100015		0.13	<10	<10	556	<10	199		1.62
100016		0.15	<10	<10	454	<10	194		
100017		0.06	<10	<10	211	<10	184		3.37
100018		0.08	<10	<10	285	<10	250		1.72
100019		0.07	<10	<10	260	<10	173		1.76
100020		0.03	<10	<10	342	<10	259		1.30
100021		0.04	<10	10	525	<10	122		
100022		0.02	<10	<10	196	<10	171		1.58
100023		0.03	<10	<10	137	<10	169		1.81
100024		0.13	<10	<10	167	<10	270		1.94
100025		0.11	<10	<10	192	<10	269		2.23
100026		0.06	<10	<10	159	<10	214		2.61
100027		0.14	<10	<10	355	<10	203		1.10
100028		0.14	<10	<10	180	<10	239		2.02
100029		0.14	<10	<10	200	10	257		2.05
100030		0.17	<10	<10	222	<10	166		
100031		0.13	<10	<10	211	<10	265		2.15
100032		0.16	<10	<10	270	<10	288		1.15
100033		0.15	<10	<10	362	<10	188		
100034		0.14	<10	<10	188	<10	340		1.99
100035		0.14	<10	<10	246	10	209		
100036		0.14	<10	<10	310	10	190		
100037		0.10	<10	<10	327	<10	94		
100038		0.11	<10	<10	333	<10	96		
100039		0.09	<10	10	346	<10	116		
100040		0.04	<10	10	23	<10	62		



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - C  
Total # of pages: 4 (A - C)  
Date: 17-Oct-2003  
Account: SPEGOL

Project: Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	ME-ICP41 TI % 0.01	ME-ICP41 TI ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Ag-AA46 Ag ppm 1	Cu-AA46 Cu % 0.01
	100041		0.04	<10	10	266	<10	101	
100042		0.09	<10	10	401	<10	130		
100043		0.13	<10	<10	299	<10	109		
100044		0.12	<10	10	309	<10	104		
100045		0.11	<10	<10	304	<10	103		
100046		0.12	<10	<10	337	<10	111		
100047		0.12	<10	<10	227	<10	214		
100048		0.13	<10	<10	272	<10	205		
100049		0.09	<10	<10	160	<10	159		
100050		0.05	<10	10	35	<10	147		
100051		0.08	<10	10	217	<10	138		
100052		0.11	<10	<10	280	<10	109		
100053		0.05	<10	10	209	<10	83		
100054		0.04	<10	10	179	<10	113		
100055		0.10	<10	<10	287	<10	117		
100056		0.12	<10	10	252	<10	84		
100057		0.07	<10	<10	334	<10	101		
100058		0.06	<10	<10	322	<10	104		
100059		0.05	<10	<10	315	<10	105		
100060		0.05	<10	10	254	<10	88		
100061		0.05	<10	<10	228	<10	92		
100062		0.06	<10	<10	252	<10	143		
100063		0.11	<10	<10	239	<10	106		
100064		0.15	<10	<10	229	10	95		
100065		0.14	<10	<10	258	<10	88		
100066		0.01	<10	<10	11	<10	77		
100067		0.13	<10	10	264	10	93		
100068		0.15	<10	10	256	<10	112		
100069		0.13	<10	<10	224	<10	111		
100070		0.15	<10	<10	281	<10	101		
100071		0.15	<10	<10	308	<10	106		
100072		0.09	<10	<10	254	<10	122		
100073		0.06	<10	<10	204	<10	157		
100074		0.07	<10	<10	213	<10	177		
100075		0.06	<10	<10	191	<10	150		
100076		0.07	<10	<10	163	<10	208		1.15
100077		0.06	<10	<10	194	<10	224		1.16
100078		0.07	<10	<10	126	<10	248		1.68
100079		0.04	<10	<10	120	<10	378		2.09
100080		0.04	<10	<10	124	<10	122		



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 4 (A - C)

Date : 17-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040024

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.01
100081		0.09	<10	<10	189	<10	113		
100082		0.09	<10	<10	131	<10	95		
100083		0.11	<10	<10	258	10	106		
100084		0.13	<10	<10	315	<10	74		
100085		0.11	<10	<10	334	<10	69		
100086		0.10	<10	<10	323	10	74		
100087		0.08	<10	<10	319	<10	79		
100088		0.12	<10	<10	202	<10	72		
100089		0.04	<10	<10	33	<10	126		
100090		0.09	<10	<10	152	10	62		
100091		0.12	<10	<10	109	10	76		
100092		0.09	<10	<10	83	10	55		
100093		0.09	<10	<10	113	<10	64		
100094		0.11	<10	<10	101	<10	87		



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page # : 1

Date : 21-Oct-2003

Account: SPEGOL

## CERTIFICATE VA03040573

Project : Galore Creek

P.O. No:

This report is for 217 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 10-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

*Hole 6203-438*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.

ATTN: JOE PIEKENBROCK

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 2 - A  
 Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS VA03040573**

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100272	2.16	0.011	0.3	1.38	9	<10	1160	1.6	<2	1.84	2.5	8	32	137	2.66
100273	3.58	0.030	0.5	1.18	5	<10	810	1.6	<2	3.32	1.4	5	17	196	2.83
100274	3.50	0.025	0.4	1.52	6	<10	470	1.6	<2	2.14	0.5	7	15	183	2.54
100275	2.92	0.034	0.7	1.22	5	<10	590	1.6	<2	2.67	0.6	6	12	270	2.47
100276	3.04	0.032	0.5	1.52	5	<10	410	1.6	<2	2.38	0.5	6	13	239	2.44
100277		0.023	0.5	1.49	4	<10	420	1.6	<2	2.36	0.5	6	10	238	2.44
100278	3.74	0.024	0.4	2.28	5	<10	360	1.9	<2	2.08	0.7	7	10	227	2.35
100279	3.22	0.014	0.4	1.36	3	<10	430	1.6	<2	2.14	1.5	5	10	295	2.46
100280	4.62	0.013	0.4	1.29	4	<10	590	1.7	<2	1.96	1.5	6	13	230	2.58
100281	4.22	0.017	0.4	1.35	6	<10	500	1.7	<2	1.39	1.2	6	11	202	2.42
100282	3.20	0.042	1.0	1.99	6	<10	300	2.6	<2	1.70	<0.5	8	12	351	2.54
100283	4.38	0.017	0.4	2.45	6	<10	260	3.6	<2	1.86	<0.5	7	14	149	2.46
100284	3.36	0.029	0.4	2.38	4	<10	370	2.8	<2	1.70	<0.5	6	13	183	2.39
100285	3.68	0.042	0.5	2.45	2	<10	320	3.6	<2	1.96	0.5	7	13	122	2.52
100286	0.10	0.086	19.0	0.43	15	<10	130	<0.5	<2	1.02	<0.5	3	47	6310	1.35
100287	4.28	0.051	0.7	2.46	3	<10	300	3.7	<2	1.92	<0.5	7	16	185	2.46
100288	4.18	0.034	0.6	2.09	4	<10	360	3.2	<2	1.89	0.8	7	11	269	2.40
100289	2.36	0.031	1.0	1.42	9	<10	530	1.6	<2	1.49	0.6	7	11	312	2.60
100290	1.34	0.029	0.9	1.27	9	<10	370	1.5	<2	1.58	1.1	7	10	576	2.69
100291	2.90	0.025	0.8	2.04	4	<10	330	2.5	<2	1.98	1.0	8	11	405	2.40
100292	2.74	0.011	0.4	2.49	4	<10	290	3.4	<2	2.03	0.6	7	12	151	2.54
100293	4.00	0.013	0.5	2.41	7	<10	400	3.4	<2	2.40	0.5	7	14	236	2.46
100294	2.40	0.012	0.6	2.71	5	<10	380	3.6	<2	2.78	<0.5	7	12	250	2.15
100295	1.58	0.005	0.3	2.82	3	<10	440	3.1	<2	1.91	<0.5	2	13	68	1.12
100296	5.32	0.020	0.4	1.78	6	<10	130	2.7	<2	2.16	<0.5	4	12	226	1.03
100297		0.018	0.4	1.84	7	<10	130	2.8	<2	2.15	<0.5	4	27	222	1.06
100298	2.40	0.017	0.7	2.80	8	<10	100	3.6	<2	1.69	0.5	4	30	457	1.08
100299	4.60	0.014	0.6	2.78	8	<10	110	3.4	<2	1.59	<0.5	4	19	235	1.34
100300	3.22	0.024	0.6	2.36	7	<10	100	3.1	<2	2.01	0.8	5	19	333	1.35
100301	3.26	0.017	0.5	2.25	5	<10	120	2.9	<2	1.66	0.5	5	24	356	1.79
100302	3.02	0.019	1.0	3.29	6	<10	150	3.6	<2	2.29	<0.5	8	22	461	1.99
100303	2.48	0.009	0.8	0.68	3	<10	110	1.3	<2	1.49	1.0	3	12	219	1.38
100304	0.50	<0.005	<0.2	0.04	2	<10	40	<0.5	<2	>15	<0.5	<1	2	14	0.13
100305	2.46	0.022	1.0	1.00	3	<10	90	1.8	<2	1.42	1.8	4	15	323	1.54
100306	3.66	0.468	6.5	3.89	19	<10	160	4.4	<2	6.34	4.8	27	21	9380	5.07
100307	0.48	0.215	7.8	3.95	14	<10	70	4.7	<2	3.37	5.4	24	19	7660	3.51
100308	2.30	0.014	<0.2	1.82	8	<10	80	3.5	<2	1.07	1.8	4	20	184	1.54
100309	2.44	0.013	0.2	1.86	5	<10	50	3.9	<2	1.26	1.0	3	18	130	1.47
100310	0.06	0.020	19.3	0.43	18	<10	140	<0.5	2	0.98	<0.5	3	48	6410	1.40
100311	2.54	0.015	0.2	0.81	6	<10	50	2.0	<2	1.62	<0.5	3	15	163	1.50

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100312		1.06	0.016	<0.2	1.82	7	<10	30	4.6	<2	1.24	<0.5	2	21	113	1.59
100313		2.06	0.013	<0.2	1.82	4	10	40	4.4	<2	1.12	<0.5	3	22	101	1.57
100314		3.60	0.009	<0.2	1.38	6	10	50	2.9	<2	1.40	<0.5	2	19	93	1.48
100315		2.74	0.015	0.2	2.12	7	<10	50	4.6	<2	1.24	0.6	3	23	172	1.62
100316		3.14	0.042	1.1	3.64	6	10	310	4.9	<2	4.88	1.6	6	24	483	3.89
100317		2.16	0.043	2.2	4.51	6	<10	240	4.9	2	7.40	1.2	7	28	536	5.33
100318			0.040	2.1	4.51	3	<10	240	4.8	<2	7.61	1.6	7	25	517	5.46
100319		3.52	0.060	4.4	4.60	2	<10	390	5.5	<2	4.68	23.9	17	23	1770	3.56
100320		2.96	0.078	3.0	5.57	5	<10	390	6.0	2	7.94	1.1	10	37	492	6.02
100321			0.038	2.7	5.59	4	<10	400	6.1	3	7.57	1.4	9	32	485	5.73
100322		3.70	0.052	2.3	4.40	6	<10	300	4.7	<2	5.69	1.3	13	46	2270	4.31
100323		3.94	0.068	2.1	4.09	3	<10	200	3.9	3	8.60	<0.5	7	56	1685	6.31
100324		3.46	0.066	2.0	4.27	8	<10	270	4.7	3	5.71	0.7	8	22	1570	4.11
100325		2.94	0.035	1.7	4.59	4	<10	270	4.2	2	4.54	0.6	12	23	1205	3.76
100326		2.26	0.095	3.9	3.84	4	<10	270	3.7	2	5.44	2.2	17	23	4670	4.32
100327		3.08	0.105	3.0	4.39	7	<10	230	4.1	<2	7.17	1.1	18	24	3160	5.60
100328		2.98	0.057	1.9	3.50	6	<10	470	3.8	<2	8.32	0.7	11	13	1575	4.98
100329		3.38	0.164	7.3	2.84	11	<10	230	3.5	5	5.28	8.9	27	15	8200	4.52
100330		0.52	<0.005	<0.2	0.04	3	<10	40	<0.5	<2	>15	<0.5	<1	11	15	0.13
100331		3.22	0.142	7.0	2.59	6	<10	200	2.6	<2	2.75	4.2	25	13	7960	2.35
100332		2.34	0.108	8.2	2.85	7	<10	60	2.3	12	1.60	4.1	31	9	10000	1.91
100333		3.26	0.014	1.0	1.68	4	<10	120	0.7	<2	1.66	0.8	17	36	1455	3.64
100334		3.88	<0.005	<0.2	1.72	3	<10	70	<0.5	<2	1.46	<0.5	15	43	127	3.75
100335		3.98	<0.005	<0.2	1.70	4	<10	330	<0.5	<2	1.65	<0.5	14	37	190	3.40
100336		0.10	0.023	18.7	0.44	13	<10	140	<0.5	6	1.01	<0.5	3	48	6340	1.45
100337		3.52	0.125	8.6	3.37	11	<10	80	3.3	<2	6.10	1.8	17	14	4340	3.13
100338		3.54	0.255	2.9	3.09	13	<10	120	2.5	<2	9.21	0.9	21	16	3560	5.65
100339		3.52	0.209	3.7	2.11	17	<10	170	1.7	2	8.88	3.6	18	16	4430	5.32
100340		3.66	0.132	3.1	2.82	5	<10	60	3.0	2	5.77	3.1	19	13	4360	2.79
100341		4.86	0.374	3.9	2.22	13	<10	120	1.6	<2	8.95	1.7	26	41	5210	5.42
100342		4.08	0.313	5.4	2.14	7	<10	50	1.2	<2	7.51	2.6	25	10	6290	3.61
100343		5.22	0.557	8.9	2.79	6	<10	40	2.2	<2	8.56	4.2	36	34	9390	5.30
100344		3.58	0.328	4.0	2.36	12	<10	70	3.0	3	9.40	2.1	21	43	4930	4.19
100345		4.46	0.467	6.0	3.12	12	<10	50	2.4	<2	7.89	3.7	36	46	8220	4.27
100346		4.14	0.796	11.6	3.05	7	<10	40	3.2	<2	8.46	7.4	67	6	>10000	5.32
100347		0.48	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15	<0.5	<1	4	33	0.11
100348		5.16	1.140	14.0	2.64	18	<10	30	2.0	<2	8.21	8.0	49	8	>10000	5.83
100349		4.06	0.241	10.8	2.31	17	<10	40	1.4	<2	10.40	8.2	35	1	>10000	5.22
100350			0.239	11.6	2.35	10	<10	30	1.4	<2	11.10	9.1	34	5	>10000	5.39
100451		4.54	0.170	6.3	2.91	13	<10	50	3.5	<2	8.83	5.5	32	3	8420	3.43

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - A  
 Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100452		4.32	0.260	6.7	3.10	8	<10	30	3.6	<2	7.42	4.7	29	2	7700	2.50
100453		4.26	0.236	10.1	2.51	4	<10	40	2.5	<2	6.43	5.9	32	1	>10000	2.03
100454		4.78	0.571	9.1	2.40	9	<10	50	2.3	<2	7.68	6.0	37	3	>10000	3.15
100455		0.14	0.504	0.6	0.94	3160	40	10	<0.5	18	5.75	0.8	99	12	121	3.21
100456		5.42	0.246	15.3	1.94	10	<10	50	1.9	17	9.45	14.4	28	10	7990	3.06
100457		4.52	0.210	6.1	2.04	6	<10	50	1.5	<2	8.54	5.7	24	11	6390	3.21
100458		5.08	0.353	17.7	1.74	95	<10	40	1.4	<2	7.77	8.8	36	<1	>10000	3.82
100459		4.68	0.372	10.1	1.66	84	<10	40	1.7	<2	10.30	15.6	34	10	>10000	5.52
100460		3.82	0.630	9.4	0.78	21	<10	40	1.1	<2	9.64	4.1	30	3	9560	3.05
100461		5.86	0.353	4.8	1.36	11	<10	40	1.6	10	8.31	7.1	28	1	6450	1.98
100462		3.88	0.274	3.4	2.44	2	<10	180	1.5	3	2.00	<0.5	24	124	269	3.62
100463		3.88	0.292	5.3	1.44	8	<10	70	1.1	2	12.55	0.5	5	26	1230	5.70
100464		0.10	0.020	16.0	0.42	9	<10	130	<0.5	6	1.00	<0.5	3	47	6190	1.35
100465		2.46	0.258	4.3	1.34	7	<10	170	1.7	2	4.09	4.0	22	47	5390	1.77
100466		3.02	0.332	4.3	1.56	12	<10	60	1.1	3	14.1	1.5	9	16	2740	5.64
100467		5.36	0.847	8.4	2.78	6	<10	60	2.8	<2	9.04	6.1	40	13	>10000	4.85
100468		4.74	0.314	7.1	2.99	4	<10	50	3.3	<2	9.85	4.0	35	15	7180	3.76
100469			0.282	7.8	3.17	3	<10	50	3.6	<2	10.10	4.4	32	13	7800	3.90
100470		5.06	0.696	12.0	3.10	13	<10	50	2.8	<2	9.82	8.1	50	10	>10000	5.55
100471		4.32	0.558	5.8	3.26	14	<10	110	4.4	<2	10.20	3.1	34	33	9300	5.28
100472		4.74	0.883	10.3	2.99	11	<10	40	4.2	<2	7.81	7.2	71	10	>10000	4.59
100473		0.34	<0.005	<0.2	0.05	<2	<10	120	<0.5	<2	>15	<0.5	<1	9	69	0.13
100474		4.48	0.939	12.0	2.46	29	<10	30	2.2	<2	7.68	7.4	66	8	>10000	4.64
100475		4.60	0.408	4.8	2.04	14	<10	60	3.2	8	9.16	6.3	26	9	8540	3.71
100476		5.36	0.242	3.5	1.86	22	<10	80	2.2	3	11.00	1.4	16	6	4520	4.62
100477		3.96	0.158	4.4	1.60	19	<10	40	2.1	5	9.17	3.6	17	10	3830	3.73
100478		4.62	0.014	0.3	1.50	<2	<10	270	1.4	<2	2.97	<0.5	6	25	148	2.16
100479		4.22	0.010	0.2	1.29	3	<10	270	1.1	<2	2.79	<0.5	6	16	61	2.13
100480		4.66	0.007	<0.2	1.51	2	<10	220	1.0	2	2.57	<0.5	6	24	57	2.21
100481		4.22	0.012	1.2	1.79	4	<10	230	1.2	2	2.67	0.9	6	28	85	2.28
100482		4.30	0.020	1.1	1.10	2	<10	60	1.1	<2	3.99	<0.5	6	12	88	2.17
100483		4.98	0.010	<0.2	1.37	<2	<10	150	1.0	<2	2.28	<0.5	6	19	36	1.97
100484		4.54	0.006	0.2	1.12	<2	<10	190	1.0	<2	2.66	<0.5	6	16	41	1.86
100485		4.44	0.005	0.2	1.28	<2	<10	280	1.2	<2	2.95	<0.5	7	33	35	2.18
100486		2.88	<0.005	0.2	1.93	<2	<10	490	0.9	<2	2.17	<0.5	19	111	55	3.44
100487		0.36	<0.005	<0.2	0.03	<2	<10	40	<0.5	<2	>15	<0.5	<1	3	3	0.09
100488		5.52	0.010	0.5	1.16	<2	<10	120	1.0	<2	3.79	<0.5	6	13	122	2.12
100489		4.18	0.013	0.2	1.47	2	<10	130	1.3	2	3.01	<0.5	7	16	62	2.16
100490		4.20	0.005	0.3	1.53	<2	<10	240	1.2	<2	3.13	0.5	6	13	68	2.24
100491		4.36	0.011	0.2	1.48	<2	<10	280	1.2	<2	2.76	<0.5	6	17	51	2.11

Comments: Highly mineralized samples may bias results for some elements.



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 5 - A  
 Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS VA03040573**

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100492	4.78	0.011	0.2	1.64	<2	<10	210	1.3	<2	2.47	<0.5	6	21	42	2.11
100493	3.62	0.009	0.4	1.50	3	<10	280	1.4	<2	3.13	0.6	6	31	151	2.14
100494		0.010	0.4	1.56	3	<10	300	1.4	2	3.18	0.6	7	29	144	2.19
100495	3.98	0.017	1.0	1.44	2	<10	170	1.6	2	3.48	<0.5	8	50	146	2.40
100496	4.54	0.039	2.5	3.15	37	<10	90	6.3	7	9.87	0.5	6	16	427	3.24
100497	5.14	0.036	2.3	3.81	28	<10	100	3.8	4	11.90	<0.5	4	17	281	4.52
100498	4.72	0.102	3.4	3.07	23	<10	120	2.7	6	10.80	2.1	12	17	4310	4.58
100499	0.12	2.98	0.4	1.36	5300	<10	20	<0.5	14	4.60	0.7	152	27	54	2.75
100500	5.26	0.046	2.8	3.79	37	<10	90	4.2	5	10.20	1.1	6	16	965	3.48
100701	4.18	0.036	2.7	3.58	48	<10	130	2.5	5	11.65	0.7	2	20	342	4.90
100702	4.82	0.040	2.5	3.81	32	<10	80	2.7	4	10.95	<0.5	3	18	117	4.47
100703	4.78	0.095	2.7	3.50	21	<10	110	3.4	4	9.18	0.7	7	27	1430	3.64
100704	0.40	<0.005	<0.2	0.05	<2	<10	50	<0.5	<2	>15	<0.5	<1	4	9	0.12
100705	4.56	0.201	4.1	2.68	20	<10	80	2.2	5	8.96	2.4	15	9	4790	4.35
100706	4.50	0.270	6.2	2.62	27	<10	60	1.1	3	10.15	4.1	16	4	5510	4.94
100707	4.96	0.259	7.3	2.59	20	<10	40	2.0	2	8.01	5.3	30	32	9580	3.48
100708	4.68	0.393	7.9	2.49	18	<10	50	3.4	<2	8.98	6.3	36	22	>10000	4.63
100709	4.72	0.547	9.9	2.47	20	<10	30	1.5	<2	8.19	5.8	35	7	>10000	5.06
100710	0.10	0.028	17.4	0.43	10	<10	140	<0.5	11	1.02	<0.5	3	46	6390	1.37
100711	5.32	0.671	14.6	1.98	23	<10	30	1.3	<2	7.21	6.1	53	6	>10000	5.46
100712	4.44	0.492	15.2	2.46	14	<10	20	1.5	<2	5.11	6.6	55	4	>10000	4.06
100713	2.80	0.543	14.6	2.22	12	<10	30	1.1	<2	6.72	7.6	48	7	>10000	5.02
100714	1.80	0.643	15.4	2.64	17	<10	40	1.1	<2	9.27	12.4	55	36	>10000	7.16
100715	2.46	0.936	65.5	0.99	16	<10	40	0.7	<2	4.19	50.1	143	10	>10000	11.55
100716	2.44	1.110	32.1	1.58	45	<10	40	1.6	<2	7.14	23.6	127	8	>10000	7.94
100717	5.34	0.630	23.9	1.57	19	<10	40	1.5	<2	7.41	19.2	66	5	>10000	6.07
100718		0.670	23.3	1.62	15	<10	40	1.6	<2	7.49	19.1	66	6	>10000	6.11
100719	5.20	0.320	14.4	1.97	9	<10	40	1.8	<2	8.70	14.2	50	8	>10000	4.59
100720	5.60	0.648	18.8	2.37	19	<10	60	1.8	<2	10.00	13.8	64	13	>10000	7.72
100721	4.66	0.225	7.1	2.84	13	<10	100	2.5	<2	9.28	4.5	29	10	9020	5.09
100722		0.017	16.5	0.43	11	<10	140	<0.5	<2	0.99	0.5	4	46	6380	1.34
100723	4.40	0.243	13.4	2.71	11	<10	30	1.8	4	6.30	14.0	44	8	>10000	2.78
100724	4.66	0.121	6.5	3.08	14	<10	40	3.2	<2	5.58	3.6	26	10	6970	2.04
100725	4.44	0.167	9.2	2.47	15	<10	50	2.2	5	6.79	11.4	29	7	6990	2.42
100726	4.96	0.132	9.4	2.73	11	<10	40	3.2	<2	7.36	6.9	26	7	7370	2.81
100727	3.92	0.114	9.8	2.66	11	<10	40	2.0	<2	8.25	3.7	24	4	9380	3.00
100728	0.56	<0.005	<0.2	0.05	2	<10	40	<0.5	<2	>15	<0.5	<1	12	44	0.10
100729	4.78	0.157	10.3	2.91	9	<10	40	2.6	2	7.28	5.0	24	9	8690	3.13
100730	5.50	0.143	5.6	2.74	14	<10	40	1.4	<2	9.52	4.9	16	28	5310	4.95
100731	1.16	0.059	5.4	2.80	7	<10	120	1.2	3	6.98	7.4	11	36	3360	3.74

Comments: Highly mineralized samples may bias results for some elements.





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - A  
Total # of pages : 7 (A - C)  
Date : 21-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100732	6.16	0.268	10.9	2.75	15	<10	40	1.8	<2	9.64	5.4	19	10	7060	5.14
100733		0.314	9.2	2.81	15	<10	40	1.8	<2	9.83	5.4	20	11	7170	5.25
100734	3.46	0.042	2.2	0.66	3	<10	210	1.0	3	3.79	1.5	4	15	603	1.28
100735	2.88	0.021	0.7	0.71	<2	<10	140	1.1	<2	2.90	<0.5	5	11	196	1.13
100736	4.20	0.068	5.8	1.83	7	<10	60	1.6	5	12.85	4.4	13	7	3550	5.53
100737	4.68	0.067	10.6	1.88	10	<10	30	1.8	<2	8.82	5.5	27	4	9020	4.52
100738	5.20	0.438	3.7	2.71	12	<10	80	1.7	2	11.00	2.4	10	32	2370	5.33
100739	4.84	0.416	13.9	1.99	12	<10	30	1.5	<2	6.18	21.8	50	7	>10000	3.40
100740	5.18	0.405	14.7	2.46	13	<10	30	2.0	<2	7.12	11.0	50	6	>10000	4.08
100741	4.68	0.468	14.2	2.27	15	<10	30	2.0	<2	6.27	9.8	46	5	>10000	3.80
100742	5.16	0.221	8.8	2.39	13	<10	30	1.5	<2	7.66	7.0	25	6	9070	3.70
100743	5.16	0.351	7.6	2.17	11	<10	40	1.4	<2	9.43	7.8	23	10	8720	5.24
100744	4.30	0.260	12.1	2.21	10	<10	30	1.5	<2	5.45	8.0	34	5	>10000	3.01
100745		0.209	11.7	2.16	16	<10	30	1.5	<2	5.34	8.0	32	4	>10000	2.94
100746	4.92	0.072	5.4	2.59	10	<10	40	1.5	4	8.97	3.4	19	7	4120	4.31
100747	5.26	0.103	6.7	2.36	7	<10	50	1.7	<2	8.19	8.9	15	8	5610	4.32
100748	5.32	0.075	9.0	2.36	10	<10	70	1.8	<2	9.66	15.1	30	5	>10000	5.89
100749	5.86	0.037	4.4	2.18	5	<10	30	1.6	4	5.70	23.2	10	16	2150	1.75
100750	0.42	<0.005	<0.2	0.04	<2	<10	20	<0.5	<2	>15	<0.5	<1	25	61	0.14
100801	2.76	0.010	0.3	1.41	<2	<10	190	1.4	<2	2.99	<0.5	5	15	90	2.29
100802	4.40	0.071	<0.2	1.18	3	<10	190	0.9	<2	4.04	<0.5	6	15	182	2.26
100803	4.64	0.010	0.4	1.51	2	<10	80	1.1	<2	5.04	<0.5	10	24	333	2.59
100804	4.46	0.007	<0.2	1.19	7	<10	350	1.1	<2	4.22	<0.5	7	17	113	2.35
100805	4.54	<0.005	<0.2	1.31	4	<10	280	1.1	<2	2.83	<0.5	6	14	36	2.38
100806	0.12	2.87	0.3	1.33	5530	<10	20	<0.5	12	4.49	0.5	162	28	50	2.86
100807	2.64	<0.005	<0.2	2.12	5	<10	1490	1.4	<2	2.75	<0.5	18	73	34	3.76
100808	3.92	<0.005	<0.2	1.97	4	<10	330	1.3	<2	2.95	<0.5	15	56	43	3.27
100809	4.90	0.010	<0.2	1.51	6	<10	230	1.1	<2	2.98	<0.5	7	17	160	2.33
100810	4.20	0.006	<0.2	1.62	5	<10	160	1.0	<2	2.51	<0.5	6	20	73	2.18
100811	2.06	0.008	<0.2	1.32	5	<10	260	0.8	<2	3.11	<0.5	7	15	160	2.13
100812	2.20	0.262	15.9	2.59	30	<10	30	1.4	<2	5.64	12.3	46	13	>10000	4.04
100813	4.48	0.126	10.0	2.93	18	<10	40	3.0	<2	8.69	6.5	25	1	5910	4.73
100814	4.52	0.026	1.9	1.07	9	<10	20	1.6	<2	9.85	2.7	5	3	761	4.26
100815		0.028	1.9	1.07	7	<10	30	1.6	2	10.05	2.6	5	2	802	4.33
100816	4.78	0.112	5.1	0.61	19	<10	30	0.7	3	9.29	8.5	15	7	5060	3.51
100817	3.96	0.012	1.2	0.79	10	<10	30	1.1	<2	8.76	5.8	4	3	611	3.21
100818	4.64	0.008	1.2	1.32	15	<10	50	1.2	<2	11.00	1.4	1	4	450	4.71
100819	4.32	0.010	1.9	2.93	18	<10	50	1.1	<2	8.02	2.3	4	12	642	2.73
100820	4.42	0.145	14.2	3.09	13	<10	50	1.4	2	9.44	6.2	11	39	3980	4.35
100821	0.10	0.021	19.3	0.42	16	<10	140	<0.5	<2	0.99	<0.5	3	47	6300	1.41

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100822		4.34	0.045	7.8	3.22	7	<10	50	1.1	<2	9.70	3.4	7	27	2610	4.64
100823		4.10	0.056	2.7	1.87	8	<10	40	0.8	<2	8.01	1.4	3	26	1220	3.37
100824		4.42	0.131	14.5	2.10	13	<10	30	0.8	<2	8.47	3.2	10	22	3340	4.67
100825		0.30	<0.005	<0.2	0.05	<2	<10	40	<0.5	<2	>15	<0.5	<1	11	13	0.14
100826		4.48	0.170	17.2	1.22	11	<10	50	0.6	<2	7.20	10.7	30	16	9380	4.18
100827		4.16	0.060	8.2	3.39	9	<10	40	1.2	<2	7.26	8.1	15	17	3460	3.11
100828		4.68	0.060	5.2	1.88	7	<10	50	0.8	<2	10.30	11.7	10	11	2880	4.33
100829		4.42	0.099	4.4	0.55	10	<10	70	0.6	<2	8.29	1.6	9	6	3210	2.96
100830		4.40	0.007	1.0	1.27	7	<10	40	0.7	<2	6.11	3.7	6	13	552	1.24
100831		3.90	0.010	1.4	2.16	9	<10	30	0.7	<2	6.01	4.5	7	24	803	1.42
100832		4.40	0.032	7.4	2.03	10	<10	40	1.0	<2	6.88	8.5	11	16	3260	2.09
100833		4.30	0.061	11.9	1.09	9	<10	70	0.9	3	7.37	11.5	11	9	3510	2.72
100834		4.20	0.015	3.6	1.14	6	<10	40	0.8	2	7.63	1.5	9	18	896	3.91
100835		4.92	<0.005	0.2	1.31	4	<10	120	<0.5	<2	1.82	<0.5	12	50	439	3.60
100836		3.90	0.103	0.3	1.45	4	<10	200	0.7	<2	3.82	0.5	16	39	208	3.94
100837		5.08	0.011	2.4	1.38	10	<10	80	0.9	5	6.69	4.4	8	16	628	2.70
100838		6.16	0.006	0.4	0.84	7	<10	60	0.5	<2	4.33	<0.5	6	21	471	1.45

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100272	10	1	1.07	20	0.75	1255	2	0.04	4	1170	26	0.12	<2	4	360	
100273	10	<1	0.93	20	0.67	1785	1	0.04	1	960	29	0.07	<2	4	368	
100274	10	<1	0.98	30	0.66	1370	1	0.15	1	1070	25	0.12	<2	4	477	
100275	10	<1	0.93	30	0.63	1350	1	0.07	1	1110	25	0.09	<2	3	469	
100276	10	1	0.87	20	0.61	1490	1	0.20	1	1010	38	0.13	<2	4	440	
100277	10	<1	0.86	20	0.62	1470	1	0.20	1	1040	36	0.12	<2	4	445	
100278	10	<1	0.84	20	0.65	1390	1	0.67	1	1050	47	0.08	<2	4	397	
100279	10	1	0.96	20	0.65	1265	2	0.05	1	1090	26	0.23	<2	3	444	
100280	10	<1	0.90	30	0.70	1240	1	0.03	1	1080	26	0.19	<2	3	384	
100281	10	<1	0.90	20	0.61	932	1	0.12	1	1050	15	0.11	<2	3	439	
100282	10	1	0.83	20	0.64	1075	1	0.41	2	1240	28	0.05	<2	4	539	
100283	10	<1	0.91	20	0.65	1130	1	0.61	1	1070	23	0.08	<2	4	662	
100284	10	1	0.84	20	0.63	1175	1	0.77	2	1020	27	0.07	<2	4	558	
100285	10	<1	0.86	20	0.63	1270	2	0.68	1	1010	42	0.05	<2	4	659	
100286	<10	<1	0.18	<10	0.13	205	97	0.02	7	210	33	0.88	32	1	180	
100287	10	<1	0.91	20	0.62	1230	2	0.66	1	1010	31	0.06	<2	3	675	
100288	10	<1	0.85	20	0.62	1205	1	0.52	1	1020	23	0.12	<2	4	540	
100289	10	<1	0.78	20	0.60	1350	5	0.23	2	1010	43	0.29	<2	3	411	
100290	10	<1	0.70	20	0.64	1365	5	0.08	2	1050	32	0.56	<2	3	438	
100291	10	<1	0.81	20	0.64	1390	9	0.45	1	1000	97	0.33	<2	4	532	
100292	10	1	0.95	20	0.69	1275	3	0.57	1	1000	55	0.13	<2	4	705	
100293	10	1	0.91	20	0.67	1220	4	0.46	1	1050	30	0.58	<2	4	774	
100294	10	1	0.87	20	0.66	1360	3	0.64	1	880	28	0.37	<2	3	619	
100295	10	1	0.75	10	0.56	819	12	0.95	1	380	19	0.13	<2	2	426	
100296	10	<1	0.61	20	0.29	673	5	0.47	2	910	21	0.46	<2	1	285	
100297	10	<1	0.62	20	0.30	677	6	0.49	2	920	21	0.47	<2	1	292	
100298	10	1	0.57	20	0.31	667	6	1.03	2	930	18	0.34	<2	1	335	
100299	10	1	0.69	20	0.41	864	15	1.18	1	900	44	0.67	<2	1	272	
100300	10	1	0.58	20	0.30	835	8	1.05	1	930	58	0.78	<2	1	278	
100301	10	<1	0.60	20	0.44	843	4	1.01	6	730	31	0.29	<2	2	363	
100302	10	1	0.64	20	0.45	1185	5	1.52	3	880	31	0.55	<2	1	816	
100303	<10	1	0.46	20	0.17	983	3	0.06	1	210	59	0.29	<2	1	1030	
100304	<10	1	0.02	<10	0.49	111	<1	0.01	<1	100	2	0.05	<2	<1	114	
100305	10	1	0.51	20	0.21	1020	5	0.14	1	220	88	0.25	<2	1	1210	
100306	10	1	1.07	20	1.18	3040	3	1.11	8	1140	108	1.28	<2	1	2620	
100307	10	1	1.51	30	1.41	2880	4	1.21	6	1220	253	1.13	<2	1	3090	
100308	10	1	0.50	10	0.19	978	18	0.65	3	220	276	0.49	<2	1	923	
100309	10	1	0.45	20	0.19	831	3	0.78	1	200	130	0.20	<2	1	538	
100310	<10	1	0.18	<10	0.13	227	95	0.02	7	200	39	0.89	33	1	184	
100311	<10	<1	0.35	20	0.18	784	5	0.19	<1	230	45	0.17	<2	1	602	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100312	10	<1	0.37	20	0.18	725	3	0.85	2	220	21	0.14	2	1	422
100313	10	1	0.42	20	0.19	698	5	1.10	3	210	24	0.21	<2	1	302
100314	10	<1	0.47	20	0.17	669	16	0.58	1	200	36	0.33	<2	1	561
100315	10	1	0.43	20	0.19	805	6	0.96	<1	220	43	0.20	<2	1	537
100316	10	1	0.66	10	0.62	2660	24	1.44	4	320	242	0.32	<2	1	2890
100317	10	2	1.04	10	1.11	3840	4	1.44	8	110	348	0.25	<2	2	3620
100318	10	1	1.02	10	1.12	3920	4	1.43	9	110	329	0.25	<2	2	3840
100319	10	2	1.21	10	1.36	3170	3	1.75	9	90	5690	0.59	<2	2	2900
100320	10	2	1.28	10	1.46	4520	3	2.23	7	130	685	0.26	3	3	3620
100321	10	1	1.26	10	1.47	4350	2	2.28	6	150	685	0.26	2	3	3560
100322	10	2	1.06	10	1.08	3070	4	1.90	11	240	245	0.41	2	2	3020
100323	10	1	0.77	10	0.85	3880	3	1.96	9	130	96	0.33	3	3	2640
100324	10	<1	0.81	10	0.86	3070	3	2.29	7	160	102	0.32	2	1	2450
100325	10	1	1.15	10	1.25	2930	3	2.61	8	280	163	0.29	4	2	2710
100326	10	<1	0.92	10	0.93	2810	3	2.00	8	470	191	0.70	<2	2	2400
100327	10	1	1.18	20	1.32	3990	2	2.12	9	480	402	0.51	<2	2	3040
100328	10	2	1.23	20	1.27	3420	1	1.31	7	320	81	0.73	3	2	3010
100329	10	<1	0.75	10	0.62	2750	4	0.89	5	270	219	1.17	<2	1	2340
100330	<10	<1	0.02	<10	0.61	134	<1	0.01	1	90	<2	0.02	<2	<1	123
100331	10	1	0.57	10	0.43	1240	4	0.96	5	230	47	1.28	<2	1	2420
100332	10	<1	0.63	10	0.46	781	3	1.26	5	270	17	1.53	<2	1	2470
100333	10	<1	0.25	10	1.15	714	1	0.28	16	1310	24	0.41	<2	5	536
100334	10	<1	0.09	10	1.41	596	<1	0.15	23	1520	6	0.10	<2	5	160
100335	10	<1	0.08	10	1.32	605	<1	0.13	17	1540	2	0.11	<2	5	230
100336	<10	1	0.18	<10	0.14	230	102	0.02	9	220	35	0.94	32	1	190
100337	10	1	0.94	20	1.23	1975	2	1.09	9	820	24	3.35	2	2	1750
100338	10	1	1.26	20	1.20	3140	3	0.58	7	1090	32	3.29	<2	2	2050
100339	10	1	0.79	20	0.69	2960	2	0.31	4	990	182	3.33	<2	2	1650
100340	10	2	1.02	10	1.01	2020	3	0.72	7	460	133	3.27	<2	1	1785
100341	10	1	1.48	20	1.61	2690	1	0.08	28	1320	38	4.23	2	4	1470
100342	10	<1	1.14	10	0.97	2090	3	0.29	9	500	79	6.69	2	1	2290
100343	10	1	1.17	10	1.10	2700	4	0.59	11	470	110	5.97	3	1	2220
100344	10	<1	1.15	20	1.25	2590	3	0.43	7	860	62	4.45	<2	1	2220
100345	10	1	1.01	20	0.98	2360	4	1.04	8	790	87	4.24	<2	1	2510
100346	10	<1	1.54	20	1.47	2480	4	0.92	15	1150	67	6.42	2	1	2500
100347	<10	<1	0.01	<10	0.47	122	<1	0.01	<1	90	<2	<0.5	<2	<1	112
100348	10	<1	1.36	30	1.18	2660	4	0.66	7	1800	195	4.96	<2	1	2110
100349	10	<1	0.89	30	0.81	2760	3	0.73	9	1510	280	5.99	<2	1	2360
100350	10	<1	0.91	30	0.87	2710	3	0.72	8	1420	276	6.27	<2	1	2580
100451	10	<1	1.10	20	1.20	2480	3	0.70	9	910	146	5.21	<2	1	2660

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100452		10	<1	1.03	20	1.02	1860	3	0.95	5	660	120	4.81	2	1	2860
100453		10	<1	0.90	10	0.93	1380	3	0.77	3	430	57	5.14	<2	1	2860
100454		10	<1	1.22	10	1.19	2010	4	0.49	6	480	35	5.79	<2	1	2890
100455		<10	<1	0.04	10	0.20	561	34	0.07	27	1250	16	1.30	9	1	97
100456		10	<1	1.26	10	1.19	2470	5	0.10	5	430	521	6.55	<2	1	3440
100457		10	1	1.50	10	1.29	2410	9	0.05	6	470	41	5.63	<2	1	2640
100458		10	1	1.12	20	0.85	2330	7	0.06	10	760	212	5.25	207	1	2150
100459		10	<1	1.14	30	1.10	3360	8	0.03	13	1260	448	4.26	54	2	1685
100460		<10	1	0.53	30	0.60	2200	2	0.02	4	960	69	1.87	6	1	3420
100461		10	1	0.95	20	0.85	1705	3	0.11	8	420	297	6.00	<2	1	2670
100462		10	<1	2.66	10	3.24	1250	3	0.14	93	770	18	0.38	2	7	220
100463		10	<1	0.50	20	0.49	2990	3	0.06	5	1120	334	4.45	<2	2	2150
100464		<10	<1	0.19	<10	0.14	218	100	0.02	8	220	34	0.88	33	1	201
100465		10	<1	0.91	20	0.79	1260	9	0.11	17	450	717	2.33	<2	3	1340
100466		10	1	0.72	20	0.77	3120	6	0.07	4	1100	126	7.51	<2	1	3870
100467		10	1	1.24	30	1.55	3230	10	0.65	25	960	381	4.85	<2	1	2300
100468		10	1	1.24	10	1.57	2740	3	1.03	24	270	559	5.83	<2	1	3170
100469		10	1	1.36	10	1.71	2850	4	1.08	22	290	569	6.15	<2	1	3270
100470		10	1	1.18	20	1.16	3180	6	0.90	17	840	327	5.09	<2	1	2580
100471		10	<1	1.24	30	1.57	3010	4	1.05	10	1910	136	4.60	2	2	2090
100472		10	<1	1.69	30	1.93	2720	3	0.85	14	1510	163	6.08	2	1	2120
100473		<10	<1	0.04	<10	0.52	128	<1	0.01	<1	100	<2	<0.5	<2	<1	122
100474		10	1	1.32	30	1.31	2570	3	0.55	11	1560	311	6.08	4	1	2230
100475		10	1	1.25	50	1.26	2550	4	0.21	10	2310	422	5.49	2	1	2520
100476		10	<1	1.08	130	1.04	2680	4	0.13	5	5240	116	4.75	<2	2	2360
100477		10	1	0.90	100	0.98	2370	10	0.08	3	3510	506	4.30	<2	1	2690
100478		10	<1	0.56	10	0.67	934	8	0.40	3	1010	45	0.92	<2	5	1130
100479		10	<1	0.62	10	0.67	856	3	0.26	2	940	45	0.53	<2	4	1140
100480		10	<1	0.60	10	0.69	870	4	0.40	5	940	30	0.44	2	5	921
100481		<10	1	0.68	10	0.73	857	4	0.58	3	1020	257	0.88	2	5	983
100482		10	1	0.44	20	0.65	864	566	0.06	2	870	118	2.24	5	6	1480
100483		10	<1	0.59	10	0.70	693	5	0.29	2	970	27	0.77	2	4	728
100484		<10	<1	0.54	10	0.66	763	5	0.09	4	940	37	0.85	<2	4	888
100485		10	<1	0.70	10	1.03	818	4	0.10	11	950	28	0.78	<2	5	995
100486		10	<1	1.93	10	2.82	816	4	0.20	78	780	7	0.33	<2	7	340
100487		<10	<1	0.01	<10	0.41	110	3	<0.01	<1	100	<2	<0.5	<2	<1	126
100488		10	<1	0.65	10	0.67	810	5	0.11	1	950	28	1.74	<2	4	1565
100489		10	<1	0.69	10	0.69	827	4	0.32	4	960	24	0.77	<2	5	755
100490		10	<1	0.58	20	0.68	1005	18	0.44	1	960	73	1.19	<2	6	1165
100491		10	<1	0.66	10	0.68	798	4	0.37	2	950	32	1.01	<2	5	1090

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
LOR	10	1	0.01	10	0.01	5	1	0.01	1	1	10	2	0.01	2	1	1	
100492	10	<1	0.62	10	0.66	741	5	0.50	3	960	27	0.89	<2	5	833		
100493	10	<1	0.83	10	0.84	865	3	0.31	9	910	68	1.04	2	5	1280		
100494	10	1	0.85	10	0.85	883	4	0.32	9	950	65	1.04	<2	5	1325		
100495	10	<1	1.19	10	1.12	1020	5	0.08	17	890	158	1.17	2	7	1140		
100496	10	<1	1.32	170	1.60	2500	2	1.19	11	6590	485	4.06	<2	1	2320		
100497	10	<1	0.99	160	1.13	2690	3	1.88	3	5970	150	4.48	<2	1	2690		
100498	10	<1	0.84	120	0.90	2750	3	1.43	12	4760	270	4.18	<2	3	2770		
100499	<10	<1	0.04	10	0.20	536	6	0.10	29	1120	7	0.50	8	2	108		
100500	10	1	1.02	150	1.31	2580	5	1.92	4	5490	313	4.08	<2	2	3100		
100701	10	1	0.73	220	0.87	2710	2	1.80	3	7980	397	3.05	<2	1	2610		
100702	10	<1	0.71	120	0.86	2700	2	2.03	3	4730	477	3.28	<2	2	2980		
100703	10	1	1.06	90	1.25	2750	6	1.61	5	3550	404	3.08	<2	2	2770		
100704	<10	<1	0.02	<10	1.26	140	<1	0.01	<1	90	4	<0.5	<2	<1	123		
100705	10	1	0.91	90	1.27	2760	10	0.85	10	3280	234	3.64	<2	4	3070		
100706	10	1	0.92	90	0.97	3150	75	0.85	4	3730	304	3.36	<2	3	2310		
100707	10	1	1.40	80	1.41	3140	5	0.77	8	2860	662	3.97	<2	2	2230		
100708	10	1	1.27	70	1.34	2790	4	0.61	5	2800	78	4.96	<2	2	2270		
100709	10	1	1.09	40	0.87	2490	12	0.65	10	2010	49	4.10	2	1	1895		
100710	<10	<1	0.19	<10	0.14	218	100	0.03	6	230	36	0.90	33	1	209		
100711	10	<1	1.38	60	1.09	2060	16	0.17	9	2900	70	4.82	<2	1	1830		
100712	10	<1	1.40	30	1.33	1720	9	0.87	6	1820	38	4.44	<2	1	2110		
100713	10	<1	1.36	30	1.21	2210	16	0.46	4	1860	76	4.81	<2	1	1925		
100714	10	<1	1.48	40	1.41	3400	6	0.49	9	1970	2280	4.64	<2	2	1585		
100715	10	1	0.74	60	0.63	1835	6	0.10	19	2580	190	4.69	3	2	901		
100716	10	<1	1.05	160	0.86	2530	5	0.13	26	7220	84	6.47	3	1	1380		
100717	10	1	0.99	50	0.77	2060	5	0.20	10	2770	125	5.95	3	1	2150		
100718	10	<1	1.02	50	0.76	2090	6	0.20	9	2720	129	6.07	2	1	2180		
100719	10	1	1.17	40	0.99	2540	4	0.31	19	1970	645	5.99	<2	1	2480		
100720	10	1	0.93	50	0.68	3130	4	0.37	10	2510	1225	5.46	3	2	1555		
100721	10	1	1.28	40	1.28	3000	4	0.79	13	1940	207	4.37	<2	1	2120		
100722	<10	<1	0.19	<10	0.14	214	98	0.03	7	220	36	0.88	34	1	210		
100723	10	<1	1.02	30	0.98	1870	22	1.26	16	1420	1170	5.34	2	1	2630		
100724	10	1	1.25	30	1.53	1925	56	1.35	11	1580	338	3.88	<2	1	2530		
100725	10	<1	1.35	50	1.45	2720	3	0.73	7	1430	2150	3.69	<2	1	2790		
100726	10	<1	1.30	40	1.19	2610	3	1.02	5	1860	865	3.93	<2	2	2500		
100727	10	<1	1.36	40	1.19	2280	3	0.90	8	1480	172	3.10	<2	2	4470		
100728	<10	<1	0.03	<10	0.51	114	<1	0.01	<1	100	7	<0.5	<2	<1	121		
100729	10	1	1.06	40	1.17	2240	2	1.19	12	1580	164	4.53	<2	2	2800		
100730	10	<1	0.95	30	1.00	2650	7	1.05	8	1410	319	3.70	<2	2	2520		
100731	10	1	0.75	20	0.65	2110	8	1.35	5	1140	624	2.47	<2	5	2240		

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - B

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	NI	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100732		10	1	1.36	40	1.08	2690	21	0.60	7	1700	180	3.91	<2	2	2550
100733		10	1	1.34	40	1.11	2750	22	0.61	6	1750	177	3.97	<2	2	2610
100734		<10	<1	0.45	40	0.20	835	180	0.03	1	860	686	1.27	<2	1	1960
100735		<10	<1	0.51	40	0.17	636	10	0.04	<1	930	91	1.34	<2	1	1795
100736		10	1	1.36	30	1.27	3760	15	0.07	6	1070	987	2.38	<2	1	3180
100737		10	<1	1.65	30	1.42	2890	12	0.08	14	1280	131	2.55	<2	1	2820
100738		10	1	1.27	40	1.08	3480	2	0.63	9	1650	425	2.31	<2	1	2070
100739		10	<1	1.74	30	1.43	2210	25	0.12	17	2020	1635	4.47	2	1	2000
100740		10	1	1.55	30	1.48	2170	33	0.33	24	2050	349	5.98	<2	1	2250
100741		10	1	1.44	30	1.27	1845	10	0.32	9	1750	97	5.63	2	3	2090
100742		10	1	1.02	30	0.85	2120	6	0.70	6	1830	130	4.63	<2	1	2230
100743		10	<1	1.05	40	0.83	2590	6	0.20	8	2100	127	4.17	<2	1	2100
100744		10	1	1.28	50	1.14	1980	40	0.40	18	1870	463	4.46	<2	1	2120
100745		10	1	1.28	50	1.11	1920	39	0.38	15	1840	462	4.39	<2	1	2090
100746		10	<1	1.62	40	1.66	3100	8	0.38	14	1730	203	4.05	<2	1	2370
100747		10	<1	1.47	40	1.14	2800	47	0.27	11	1390	583	3.61	<2	2	2350
100748		10	<1	1.05	40	0.75	3140	24	0.32	41	1390	181	4.20	<2	2	2170
100749		10	1	0.91	20	0.72	1215	19	0.83	5	890	1325	4.54	<2	1	2670
100750		<10	<1	0.02	<10	0.50	100	<1	0.01	2	100	2	<0.5	<2	<1	125
100801		10	<1	0.96	10	0.66	922	2	0.14	1	970	25	0.39	<2	6	940
100802		<10	<1	0.86	10	0.55	968	1	0.07	5	820	29	0.98	<2	4	1455
100803		10	<1	0.93	20	1.18	1155	3	0.19	32	1380	17	1.36	<2	5	1305
100804		<10	1	0.78	20	0.58	1055	7	0.08	3	860	27	1.00	<2	5	989
100805		10	<1	0.72	10	0.61	813	2	0.19	4	830	23	0.70	<2	4	1015
100806		<10	1	0.04	10	0.19	551	5	0.09	32	1040	9	0.51	8	2	92
100807		10	<1	1.30	30	3.18	758	<1	0.33	130	3120	8	0.21	2	5	385
100808		10	<1	1.06	20	2.32	840	1	0.39	90	2380	15	0.47	<2	5	679
100809		10	<1	0.70	10	0.61	919	2	0.38	3	870	43	0.80	2	4	987
100810		10	1	0.77	10	0.62	826	2	0.38	5	870	26	0.62	<2	4	592
100811		<10	1	0.64	10	0.58	849	2	0.30	7	770	43	0.76	<2	4	909
100812		10	1	1.36	30	1.36	2030	80	0.43	26	1960	251	5.01	<2	1	1755
100813		10	1	0.68	40	0.94	2690	5	0.80	7	1540	217	4.63	2	1	2050
100814		10	1	0.23	30	0.45	2580	2	0.05	3	650	164	5.91	<2	1	1960
100815		10	<1	0.22	30	0.46	2610	2	0.06	3	660	179	6.01	<2	1	1990
100816		10	1	0.19	30	0.21	2000	6	0.03	4	540	469	4.79	3	<1	2270
100817		<10	<1	0.31	40	0.21	1880	3	0.04	4	660	515	4.30	<2	<1	2180
100818		10	<1	0.27	40	0.18	2710	3	0.29	4	990	158	3.42	<2	1	2060
100819		10	1	0.38	30	0.32	1885	5	1.46	5	1280	86	3.07	<2	<1	1985
100820		10	<1	0.19	20	0.28	2060	3	1.46	17	690	61	4.40	<2	1	2410
100821		<10	<1	0.17	<10	0.13	225	99	0.02	8	190	38	0.91	33	1	182

Comments: Highly mineralized samples may bias results for some elements.

**ALS Chemex****EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

**CERTIFICATE OF ANALYSIS VA03040573**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	NI	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	1	0.01	1	10	2	0.01	2	1	1
100822	10	1	0.17	20	0.28	2320	4	1.48	6	700	52	3.89	<2	2	2210	
100823	10	1	0.23	20	0.17	1655	16	0.77	10	700	51	3.49	2	<1	1995	
100824	10	<1	0.22	20	0.19	2030	4	0.75	7	670	61	4.28	<2	<1	2000	
100825	<10	1	0.03	<10	0.46	99	<1	0.01	<1	90	2	0.04	<2	<1	120	
100826	<10	<1	0.19	20	0.12	1615	2	0.41	14	730	39	4.10	<2	<1	1950	
100827	10	1	0.20	10	0.24	1355	10	1.78	9	390	131	3.85	<2	<1	1995	
100828	10	<1	0.41	10	0.27	2170	10	0.48	13	440	215	5.12	2	<1	2130	
100829	<10	<1	0.24	20	0.11	1345	8	0.04	3	440	91	5.07	2	<1	2310	
100830	<10	2	0.35	30	0.29	1250	12	0.47	3	660	173	2.84	3	1	2250	
100831	<10	1	0.27	20	0.20	1070	3	1.08	3	710	191	3.14	<2	1	2350	
100832	<10	1	0.40	20	0.30	1360	3	0.78	9	690	140	3.78	2	1	2290	
100833	<10	1	0.41	20	0.31	1845	1	0.05	7	560	368	3.16	<2	1	1705	
100834	10	1	0.38	20	0.54	1550	8	0.07	6	800	145	3.09	<2	3	1360	
100835	10	1	0.12	10	1.15	558	1	0.15	21	1310	7	0.49	<2	5	198	
100836	10	1	0.21	20	1.36	1045	1	0.15	17	1340	150	1.44	<2	6	708	
100837	<10	1	0.25	20	0.71	1540	4	0.06	10	910	1180	2.92	2	2	1000	
100838	<10	1	0.15	10	0.29	373	15	0.03	5	540	21	3.45	<2	<1	927	

Comments: Highly mineralized samples may bias results for some elements.





# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100272		0.11	<10	<10	111	<10	133	
100273		0.13	<10	<10	171	<10	126	
100274		0.14	<10	<10	122	<10	140	
100275		0.12	<10	<10	120	<10	144	
100276		0.13	<10	<10	132	<10	178	
100277		0.13	<10	<10	131	<10	179	
100278		0.13	<10	<10	141	<10	284	
100279		0.10	<10	<10	114	<10	153	
100280		0.09	<10	<10	118	<10	118	
100281		0.13	<10	<10	118	<10	110	
100282		0.14	<10	<10	140	<10	167	
100283		0.15	<10	<10	136	<10	114	
100284		0.13	<10	<10	127	<10	124	
100285		0.14	<10	<10	136	<10	173	
100286		0.01	<10	<10	10	<10	68	
100287		0.14	<10	10	130	<10	147	
100288		0.14	<10	<10	119	<10	127	
100289		0.14	<10	<10	121	<10	147	
100290		0.13	<10	<10	116	<10	144	
100291		0.14	<10	<10	130	<10	175	
100292		0.15	<10	<10	133	<10	142	
100293		0.14	<10	<10	121	<10	83	
100294		0.15	<10	<10	126	<10	89	
100295		0.09	<10	10	82	<10	62	
100296		0.08	<10	10	46	<10	45	
100297		0.08	<10	10	46	<10	42	
100298		0.09	<10	10	59	<10	42	
100299		0.08	<10	10	69	<10	77	
100300		0.08	<10	10	62	<10	73	
100301		0.12	<10	10	90	<10	83	
100302		0.11	<10	10	107	<10	76	
100303		0.05	<10	<10	49	<10	201	
100304		<0.01	<10	<10	<1	<10	13	
100305		0.08	<10	10	66	<10	252	
100306		0.15	<10	10	299	<10	590	
100307		0.13	<10	10	146	<10	714	
100308		0.12	<10	<10	73	<10	243	
100309		0.13	<10	<10	80	<10	151	
100310		0.01	<10	<10	10	<10	68	
100311		0.07	<10	<10	63	<10	93	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100312		0.13	<10	<10	82	<10	55	
100313		0.12	<10	<10	78	<10	54	
100314		0.11	<10	<10	60	<10	57	
100315		0.13	<10	<10	82	<10	98	
100316		0.12	<10	10	218	<10	260	
100317		0.12	<10	<10	330	<10	267	
100318		0.12	<10	<10	337	<10	278	
100319		0.10	<10	<10	200	<10	2710	
100320		0.12	<10	<10	407	<10	271	
100321		0.11	<10	<10	385	<10	276	
100322		0.11	<10	<10	275	<10	251	
100323		0.12	<10	<10	392	<10	142	
100324		0.11	<10	<10	222	<10	159	
100325		0.11	<10	<10	242	<10	186	
100326		0.13	<10	<10	223	<10	354	
100327		0.11	<10	<10	296	<10	247	
100328		0.13	<10	<10	238	<10	191	
100329		0.10	<10	10	206	<10	1090	
100330		<0.01	<10	<10	2	<10	2	
100331		0.11	<10	10	95	<10	501	
100332		0.09	<10	<10	50	<10	456	1.11
100333		0.25	<10	<10	94	<10	132	
100334		0.27	<10	<10	95	<10	57	
100334		0.27	<10	<10	94	<10	54	
100335		0.25	<10	<10	94	<10	54	
100336		0.01	<10	<10	10	<10	64	
100337		0.10	<10	<10	118	<10	265	
100338		0.13	<10	<10	323	<10	208	
100339		0.13	<10	<10	327	<10	382	
100340		0.11	<10	<10	112	<10	394	
100341		0.12	<10	<10	233	<10	282	
100342		0.11	<10	<10	106	<10	358	
100343		0.12	<10	<10	203	<10	547	
100344		0.12	<10	<10	212	<10	289	
100344		0.13	<10	<10	187	<10	447	
100345		0.13	<10	<10	200	<10	775	1.82
100346		0.11	<10	<10	200	<10	775	
100347		<0.01	<10	<10	1	<10	2	
100348		0.13	<10	<10	287	<10	970	1.91
100349		0.09	<10	10	268	<10	821	1.43
100349		0.09	<10	10	268	<10	821	1.49
100350		0.10	<10	<10	276	<10	935	
100350		0.10	<10	<10	276	<10	935	
100451		0.09	<10	<10	152	<10	581	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100452		0.09	<10	<10	89	<10	541	1.21
100453		0.07	<10	<10	39	<10	644	1.28
100454		0.09	<10	<10	105	<10	692	
100455		0.05	<10	<10	34	<10	118	
100456		0.10	<10	<10	108	<10	1705	
100457		0.12	<10	<10	161	<10	683	1.55
100458		0.10	<10	10	159	<10	983	1.44
100459		0.10	<10	10	256	<10	1815	
100460		0.03	<10	<10	77	<10	453	
100461		0.08	<10	<10	55	<10	774	
100462		0.22	<10	<10	117	<10	170	
100463		0.14	<10	10	489	<10	74	
100464		0.01	<10	<10	10	<10	68	
100465		0.13	<10	<10	65	<10	427	
100466		0.15	<10	<10	424	<10	211	
100467		0.14	<10	<10	200	<10	715	1.57
100468		0.12	<10	<10	177	<10	517	
100469		0.12	<10	<10	179	<10	548	
100470		0.12	<10	<10	226	<10	871	1.60
100471		0.15	<10	<10	327	<10	371	
100472		0.10	<10	<10	107	<10	759	2.13
100473		<0.01	<10	<10	2	<10	3	1.98
100474		0.12	<10	<10	186	<10	793	
100475		0.10	<10	<10	276	<10	684	
100476		0.13	<10	<10	489	<10	207	
100477		0.11	<10	<10	342	<10	377	
100478		0.10	<10	<10	134	<10	56	
100479		0.09	<10	<10	125	<10	61	
100480		0.12	<10	<10	136	<10	53	
100481		0.12	<10	<10	131	<10	110	
100482		0.03	<10	<10	126	<10	68	
100483		0.11	<10	<10	116	<10	46	
100484		0.09	<10	<10	110	<10	54	
100485		0.09	<10	<10	125	<10	48	
100486		0.19	<10	<10	126	<10	65	
100487		<0.01	<10	<10	2	<10	2	
100488		0.07	<10	<10	119	<10	60	
100489		0.11	<10	<10	132	<10	48	
100490		0.08	<10	<10	135	<10	68	
100491		0.11	<10	<10	126	<10	47	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100492		0.10	<10	<10	126	<10	45	
100493		0.10	<10	<10	125	<10	93	
100494		0.10	<10	<10	128	<10	96	
100495		0.12	<10	<10	136	<10	89	
100496		0.10	<10	<10	294	<10	114	
100497		0.12	<10	<10	423	<10	99	
100498		0.17	<10	<10	454	<10	260	
100499		0.04	<10	<10	22	<10	51	
100500		0.10	<10	<10	343	<10	188	
100701		0.15	<10	<10	499	<10	123	
100702		0.11	<10	<10	519	<10	73	
100703		0.12	<10	<10	347	<10	143	
100704		<0.01	<10	<10	3	<10	2	
100705		0.09	<10	<10	391	<10	321	
100706		0.11	<10	<10	418	<10	457	
100707		0.14	<10	<10	186	<10	616	1.34
100708		0.14	<10	<10	287	<10	605	1.59
100709		0.13	<10	<10	360	<10	544	
100710		0.01	<10	<10	10	<10	68	
100711		0.13	<10	<10	303	<10	679	2.50
100712		0.10	<10	<10	118	<10	743	2.47
100713		0.14	<10	<10	267	<10	842	2.35
100714		0.19	<10	<10	455	<10	1300	1.93
100715		0.08	<10	<10	171	<10	5500	12.00
100716		0.11	<10	<10	263	<10	2460	5.11
100717		0.13	<10	<10	247	<10	1905	3.70
100718		0.14	<10	<10	256	<10	1955	3.64
100719		0.10	<10	<10	220	<10	1510	1.83
100720		0.17	<10	<10	538	<10	1435	3.23
100721		0.17	<10	<10	418	<10	529	
100722		0.01	<10	<10	10	<10	63	
100723		0.10	<10	<10	74	<10	1395	1.46
100724		0.11	<10	<10	60	<10	475	
100725		0.13	<10	<10	87	<10	1240	
100726		0.09	<10	<10	184	<10	722	
100727		0.11	<10	<10	154	<10	380	
100728		<0.01	<10	<10	2	<10	4	
100729		0.13	<10	<10	188	<10	516	
100730		0.16	<10	<10	462	<10	553	
100731		0.16	<10	<10	400	<10	753	

Comments: Highly mineralized samples may bias results for some elements.

**ALS Chemex****EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS****VA03040573**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100732		0.15	<10	<10	524	<10	591	
100733		0.15	<10	<10	526	<10	580	
100734		0.01	<10	<10	37	<10	166	
100735		0.01	<10	10	23	<10	33	
100736		0.15	<10	<10	403	<10	449	
100737		0.10	<10	<10	226	<10	544	
100738		0.16	<10	<10	360	<10	290	1.90
100739		0.14	<10	<10	96	<10	2210	2.12
100740		0.13	<10	<10	120	<10	1075	2.37
100741		0.11	<10	<10	140	<10	979	
100742		0.11	<10	<10	230	<10	636	
100743		0.16	<10	<10	376	<10	719	1.29
100744		0.11	<10	<10	116	<10	795	1.30
100745		0.11	<10	<10	114	<10	797	
100746		0.13	<10	<10	302	<10	444	
100747		0.17	<10	<10	312	<10	899	1.30
100748		0.16	<10	<10	397	<10	1425	
100749		0.10	<10	<10	84	<10	2260	
100750		<0.01	<10	<10	2	<10	10	
100801		0.16	<10	<10	154	<10	60	
100802		0.11	<10	<10	125	<10	59	
100803		0.17	<10	<10	106	<10	57	
100804		0.11	<10	<10	117	<10	61	
100805		0.12	<10	<10	135	<10	63	
100806		0.04	<10	<10	22	<10	54	
100807		0.45	<10	<10	111	<10	58	
100808		0.36	<10	<10	117	<10	58	
100809		0.12	<10	<10	137	<10	68	
100810		0.12	<10	<10	122	<10	58	
100811		0.11	<10	<10	132	<10	65	
100812		0.14	<10	<10	121	<10	1170	1.50
100813		0.09	<10	<10	217	<10	666	
100814		0.06	<10	<10	170	10	285	
100815		0.06	<10	<10	173	10	287	
100816		0.05	<10	<10	151	<10	646	
100817		0.04	<10	<10	180	10	441	
100818		0.07	<10	<10	211	10	109	
100819		0.04	<10	<10	120	<10	205	
100820		0.10	<10	<10	205	<10	413	
100821		0.01	<10	<10	10	<10	72	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040573

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100822		0.12	<10	<10	261	<10	300	
100823		0.05	<10	<10	188	<10	131	
100824		0.05	<10	<10	220	<10	295	
100825		<0.01	<10	<10	2	<10	2	
100826		0.03	<10	<10	156	<10	935	
100827		0.04	<10	<10	187	<10	754	
100828		0.05	<10	<10	290	<10	992	
100829		0.02	<10	<10	152	<10	170	
100830		0.05	<10	<10	54	<10	430	
100831		0.11	<10	<10	65	<10	511	
100832		0.11	<10	<10	98	<10	679	
100833		0.11	<10	10	137	<10	773	
100834		0.19	<10	<10	221	<10	185	
100835		0.29	<10	<10	94	<10	43	
100836		0.26	<10	<10	118	<10	102	
100837		0.12	<10	10	97	<10	296	
100838		0.05	<10	<10	38	<10	26	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 1

Date : 21-Oct-2003

Account: SPÉGOL

## CERTIFICATE VA03040710

Project : Galore Creek

P.O. No:

This report is for 217 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 9-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

Hole GC 03-439

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100151	0.92	0.017	<0.2	0.56	<2	<10	400	0.6	<2	1.16	<0.5	4	45	259	1.09
100152	1.32	0.016	<0.2	0.62	<2	<10	300	1.0	<2	1.48	<0.5	6	21	200	1.59
100153	1.60	0.018	<0.2	0.76	5	<10	200	1.1	<2	1.20	<0.5	6	38	186	1.67
100154	2.64	0.018	0.2	0.59	<2	<10	350	0.8	<2	1.36	<0.5	4	18	281	1.24
100155	3.76	0.014	<0.2	0.59	2	<10	520	0.8	<2	1.22	<0.5	4	29	265	1.19
100156	3.30	0.009	<0.2	0.73	15	<10	190	1.2	<2	1.44	<0.5	6	22	156	1.81
100157	3.86	0.023	0.2	0.54	17	<10	400	0.7	<2	1.17	<0.5	4	28	278	0.95
100158	3.10	0.035	0.6	0.30	<2	<10	840	<0.5	16	0.65	<0.5	3	19	1295	0.95
100159	3.66	0.056	0.8	0.40	2	<10	300	0.6	19	1.67	<0.5	7	14	940	3.32
100160		0.089	1.0	0.49	4	<10	300	0.7	26	1.69	<0.5	7	15	905	3.96
100161	4.06	0.055	<0.2	0.57	4	<10	260	0.8	3	1.72	<0.5	5	22	270	1.79
100162	3.90	0.028	<0.2	0.43	<2	<10	380	0.7	<2	1.89	<0.5	5	12	237	1.58
100163	2.98	0.049	0.4	0.26	<2	<10	800	<0.5	<2	1.34	<0.5	6	26	824	2.69
100164	2.06	0.034	0.2	0.25	3	<10	770	<0.5	<2	1.06	<0.5	3	15	421	1.14
100165	1.96	0.048	<0.2	0.23	3	<10	720	0.8	<2	1.50	<0.5	4	22	517	1.68
100166	1.76	0.021	<0.2	0.36	3	<10	530	0.5	<2	1.49	<0.5	4	17	370	1.31
100167	2.38	0.015	<0.2	0.43	5	<10	340	0.6	<2	1.70	<0.5	5	23	204	1.56
100168	3.36	0.015	<0.2	0.59	<2	<10	130	0.9	<2	2.10	<0.5	6	14	133	1.86
100169	2.94	0.020	<0.2	0.51	2	<10	200	0.9	<2	1.84	<0.5	6	23	114	2.08
100170	0.10	0.079	16.6	0.44	13	<10	130	<0.5	<2	1.02	0.5	4	47	6450	1.39
100171	2.50	0.030	<0.2	0.25	<2	<10	510	<0.5	<2	1.70	<0.5	5	13	142	1.73
100172	2.32	0.193	0.3	0.37	2	<10	410	0.6	<2	1.70	<0.5	5	25	309	2.61
100173	2.40	0.039	<0.2	0.40	2	<10	470	0.5	<2	1.55	<0.5	7	14	182	1.97
100174	1.86	0.027	<0.2	0.28	<2	<10	640	<0.5	<2	1.21	<0.5	4	25	278	2.04
100175	4.20	0.022	<0.2	0.36	2	<10	360	0.7	<2	1.49	<0.5	5	13	156	1.78
100176	1.80	0.016	<0.2	0.36	4	<10	410	0.6	<2	1.77	<0.5	5	26	114	1.94
100177	1.96	0.020	<0.2	0.34	2	<10	740	0.7	<2	2.86	<0.5	8	59	214	2.23
100178	3.00	0.164	0.9	4.10	5	<10	270	2.5	2	5.26	<0.5	35	587	714	5.65
100179	4.96	0.238	2.1	3.79	6	<10	160	1.4	2	3.68	<0.5	30	459	1735	4.22
100180	3.44	0.606	4.4	3.50	10	<10	220	1.0	6	2.53	<0.5	32	492	3890	4.07
100181	3.34	0.343	2.4	3.88	4	<10	400	1.0	2	2.54	<0.5	33	497	3110	4.50
100182	0.10	0.033	17.0	0.44	14	<10	130	<0.5	<2	1.03	<0.5	4	48	6430	1.41
100183	2.00	0.208	0.4	4.17	5	<10	460	1.0	<2	2.93	<0.5	32	476	636	4.72
100184	1.84	0.206	0.7	3.74	3	<10	410	1.3	<2	2.69	<0.5	28	412	920	4.41
100185	3.50	0.425	2.1	3.17	4	<10	350	1.2	2	2.36	<0.5	31	277	2030	5.51
100186	2.32	0.253	1.7	2.22	5	<10	410	0.7	<2	1.82	0.8	29	33	1430	5.78
100187	2.66	0.541	3.7	2.80	9	<10	720	1.3	<2	3.16	<0.5	27	38	5650	4.75
100188	3.22	0.295	1.3	2.29	5	<10	750	0.9	<2	2.80	<0.5	21	34	1835	4.14
100189		0.260	1.1	2.36	13	<10	830	0.9	<2	2.93	<0.5	22	44	1690	4.17
100190	2.30	0.130	1.0	2.96	13	<10	1000	0.9	<2	4.42	<0.5	20	31	1075	5.11





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100191	2.82	0.076	0.5	2.66	14	<10	870	0.9	<2	3.83	<0.5	26	29	1560	4.95
100192	3.54	0.183	1.5	2.28	5	<10	510	1.0	<2	3.05	<0.5	18	37	1600	3.92
100193	3.08	0.141	0.7	2.69	11	<10	1040	0.9	<2	3.40	<0.5	24	50	1720	4.94
100194	0.10	0.022	17.5	0.43	15	<10	130	<0.5	6	0.99	<0.5	4	49	6570	1.36
100195	3.50	0.151	1.4	2.83	10	<10	1700	1.0	<2	4.41	<0.5	22	43	1315	4.88
100196	2.66	0.216	1.5	3.30	11	<10	890	1.1	<2	5.04	<0.5	23	32	1630	5.31
100197	1.54	0.118	0.7	3.20	8	<10	880	1.1	<2	4.71	<0.5	25	37	1460	5.24
100198	2.68	0.094	0.4	2.83	7	<10	330	1.0	<2	4.05	<0.5	22	37	1190	4.85
100199	1.82	0.266	0.3	2.55	3	<10	120	0.7	<2	2.36	<0.5	26	13	800	6.13
100200	2.68	0.661	2.8	3.25	6	<10	700	1.0	4	4.70	<0.5	22	48	3900	5.13
100201	2.78	0.240	2.0	3.06	8	<10	700	1.2	<2	4.44	<0.5	23	53	1825	4.71
100202	1.42	0.054	0.3	3.95	10	<10	460	1.7	<2	6.13	<0.5	24	39	991	6.57
100203	3.60	<0.005	<0.2	2.44	4	<10	120	0.5	<2	2.22	<0.5	26	5	47	6.30
100204	2.02	0.202	1.3	3.29	9	<10	760	2.0	2	4.93	<0.5	23	37	1295	5.24
100205	2.36	0.161	1.2	2.51	7	<10	1040	2.4	2	4.29	<0.5	24	38	1010	6.27
100206	1.70	0.073	0.4	2.31	3	<10	930	2.4	<2	4.16	<0.5	24	39	435	5.41
100207	2.60	0.073	0.3	1.46	4	<10	750	1.5	<2	3.41	<0.5	20	38	604	3.29
100208	2.46	0.276	1.2	1.42	4	<10	770	1.0	<2	2.74	<0.5	17	47	1465	2.59
100209	4.00	0.235	3.1	2.45	2	<10	80	1.5	<2	4.69	<0.5	23	40	1190	4.37
100210	0.14	2.93	0.3	1.35	5560	<10	20	<0.5	13	4.67	0.7	160	28	53	2.82
100211	4.66	0.132	0.4	2.36	12	<10	80	1.1	2	5.70	<0.5	19	46	746	4.47
100212	4.08	0.267	1.2	2.47	9	<10	50	1.1	<2	5.25	<0.5	23	37	2490	5.25
100213	4.56	0.071	0.8	2.58	8	<10	40	1.1	<2	6.14	<0.5	25	38	1155	5.15
100214	4.64	0.079	0.4	2.59	7	<10	80	1.3	<2	6.27	<0.5	21	41	851	5.30
100215	4.34	0.034	0.2	2.17	7	<10	90	1.2	<2	7.47	<0.5	21	37	456	5.28
100216	4.02	0.040	<0.2	1.52	9	<10	90	1.2	<2	7.75	<0.5	20	37	514	5.07
100217	3.86	0.160	1.5	1.07	5	<10	40	1.8	2	6.03	0.7	23	34	1675	4.69
100218		0.171	3.9	0.42	6	<10	20	1.2	<2	7.29	<0.5	18	14	7340	4.98
100219	2.14	0.194	3.6	0.45	5	<10	20	1.2	9	7.14	<0.5	17	25	6320	5.04
100220	5.56	1.765	6.5	0.49	5	<10	30	0.8	<2	2.78	<0.5	9	22	8520	2.43
100221	1.46	0.210	1.0	0.74	<2	<10	640	1.3	<2	2.47	<0.5	17	15	1690	3.54
100222		0.206	0.7	0.88	5	<10	650	1.5	<2	2.52	<0.5	18	14	1380	3.76
100223	1.20	0.484	11.6	0.11	14	<10	100	<0.5	<2	3.59	2.0	18	63	7420	2.53
100224	3.40	0.113	0.8	0.74	4	<10	470	1.2	<2	5.68	<0.5	24	99	556	4.72
100225	3.80	0.235	1.6	0.37	4	<10	280	0.7	<2	3.53	0.9	24	34	1445	5.09
100226	3.94	0.059	1.4	0.38	2	<10	50	1.0	<2	4.26	0.7	25	43	1535	6.38
100227	4.38	0.119	1.0	1.09	4	<10	50	2.4	<2	6.15	<0.5	27	47	1015	5.72
100228	0.46	<0.005	<0.2	0.03	4	<10	30	<0.5	<2	>15	<0.5	<1	5	7	0.12
100229	4.40	0.139	0.7	2.23	2	<10	130	2.7	<2	5.24	<0.5	31	172	731	5.48
100230	5.30	0.131	1.0	1.45	3	<10	130	2.0	<2	6.02	<0.5	30	136	1050	5.30



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - A  
 Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100231	4.20	0.191	0.8	1.10	<2	<10	320	1.8	<2	4.46	<0.5	32	111	1065	5.96
100232	3.04	0.199	1.1	1.01	4	<10	350	2.1	3	5.86	<0.5	32	67	1135	5.78
100233	4.02	0.145	1.9	1.40	6	<10	50	1.6	<2	3.90	<0.5	32	90	2920	6.84
100234	4.20	2.01	6.8	0.67	7	<10	40	1.3	7	3.26	3.1	24	36	6980	6.11
100235	2.94	0.321	3.7	0.45	15	<10	20	0.8	4	3.20	<0.5	30	42	2230	10.30
100236	0.10	0.023	18.4	0.43	14	<10	130	<0.5	<2	0.99	0.5	4	46	6680	1.37
100237	1.98	1.065	10.6	0.79	22	<10	10	0.9	14	3.50	0.8	45	68	9200	11.00
100238	1.62	2.49	11.9	0.59	15	<10	10	1.2	13	4.31	2.7	41	69	>10000	9.10
100239	2.66	2.43	8.4	0.40	4	<10	70	0.9	6	5.01	<0.5	24	42	>10000	8.08
100240	3.80	3.35	12.2	0.55	6	<10	60	0.9	30	4.49	0.5	24	25	>10000	8.84
100241	4.16	1.235	2.4	1.24	5	<10	50	1.0	11	3.83	<0.5	31	51	8060	11.15
100242	3.60	7.84	25.0	1.08	5	<10	40	0.7	51	2.45	0.8	34	37	>10000	11.15
100243	0.34	0.023	<0.2	0.02	4	<10	40	<0.5	<2	>15.0	<0.5	<1	2	103	0.16
100244	3.74	6.88	27.8	0.99	4	<10	40	1.0	54	2.39	1.0	31	28	>10000	10.20
100245	4.24	7.78	52.7	0.91	5	<10	40	0.7	54	2.51	1.5	33	36	>10000	11.50
100246	3.84	4.44	36.3	1.14	6	<10	40	0.6	39	1.80	1.1	33	20	>10000	9.98
100247		6.36	35.1	1.16	4	<10	50	0.7	30	1.61	1.4	34	34	>10000	10.60
100248	4.64	1.525	16.8	1.22	<2	<10	50	0.7	15	2.71	0.9	23	5	>10000	6.44
100249	4.04	1.280	4.8	1.74	2	<10	40	0.6	11	2.92	0.9	34	31	9170	7.63
100250	4.12	4.28	17.0	1.78	4	<10	30	0.8	18	2.08	<0.5	37	26	>10000	8.71
100351	4.96	1.300	5.9	2.94	3	<10	80	1.8	9	3.67	0.5	45	20	7740	9.21
100352	4.24	1.850	6.6	2.61	2	<10	40	2.4	14	4.97	<0.5	39	17	7820	9.56
100353	4.24	2.70	15.6	1.91	4	<10	30	1.7	24	4.34	0.5	31	32	>10000	9.28
100354	4.58	4.46	17.0	1.54	5	<10	40	1.5	54	4.71	0.7	32	44	>10000	9.15
100355	4.40	3.89	9.3	1.89	8	<10	30	1.6	31	4.40	<0.5	37	74	>10000	10.25
100356		3.71	8.7	1.87	7	<10	30	1.6	30	4.35	<0.5	37	72	>10000	10.35
100357	4.42	0.315	1.1	3.48	10	<10	110	2.8	<2	6.78	<0.5	40	29	1025	8.87
100358	4.56	0.550	2.1	3.16	5	<10	110	2.5	<2	6.55	<0.5	36	24	1995	8.84
100359	0.40	<0.005	<0.2	0.02	3	<10	80	<0.5	<2	>15.0	<0.5	<1	2	36	0.14
100360	4.44	0.822	4.3	2.09	9	<10	40	2.0	5	5.77	<0.5	33	31	6650	9.66
100361	4.44	2.04	8.0	2.01	4	<10	30	1.8	20	5.25	0.8	31	15	>10000	8.93
100362	5.08	2.44	10.3	1.37	5	<10	30	1.0	17	3.80	<0.5	31	3	>10000	7.65
100363	4.12	4.29	5.8	1.72	6	<10	40	1.7	3	4.88	2.0	26	8	8330	6.09
100364	4.62	0.852	3.1	2.21	7	<10	30	0.7	11	4.28	<0.5	41	29	>10000	7.35
100365	4.22	3.53	9.3	1.85	6	<10	40	0.6	20	3.34	<0.5	42	17	>10000	7.68
100366	4.64	5.33	11.3	1.37	4	<10	20	0.8	10	4.30	1.1	39	4	>10000	6.73
100367	4.70	4.55	12.9	1.23	5	<10	20	0.9	18	4.14	2.3	50	2	>10000	9.82
100368	4.46	3.12	19.1	2.01	9	<10	30	1.0	13	3.80	1.8	65	8	>10000	7.78
100369	4.98	3.68	31.7	1.27	7	<10	30	0.6	22	3.34	1.3	42	4	>10000	8.72
100370	4.52	4.82	12.5	1.82	7	<10	30	0.8	21	2.94	0.8	45	14	>10000	9.36



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100371		4.80	2.10	10.5	2.27	8	<10	40	2.0	10	5.67	1.2	56	5	>10000	7.53
100372		5.00	1.135	9.1	2.61	6	<10	60	2.4	4	6.79	1.1	67	6	>10000	8.23
100373		5.20	2.06	15.2	1.17	3	<10	20	1.2	13	5.31	2.0	61	7	>10000	6.51
100374		4.60	1.305	8.7	1.62	6	<10	30	1.7	7	4.95	<0.5	46	8	>10000	6.16
100375		0.10	0.022	19.0	0.43	15	<10	140	<0.5	3	0.97	0.5	4	48	6660	1.42
100376		4.70	1.215	11.1	1.44	4	<10	20	1.1	11	4.14	0.5	52	7	>10000	5.93
100377		3.80	2.60	7.0	1.63	4	<10	20	1.2	11	4.20	<0.5	45	9	>10000	5.86
100378		0.40	0.016	<0.2	0.04	<2	<10	60	<0.5	<2	>15.0	<0.5	1	3	511	0.20
100379		3.40	0.060	1.1	1.46	3	<10	30	1.3	<2	5.43	<0.5	27	19	1515	3.68
100380		5.82	0.084	2.0	2.16	6	<10	30	1.8	<2	6.17	<0.5	53	12	2600	6.33
100381		4.78	0.092	2.9	2.27	8	<10	30	1.4	3	5.95	1.0	76	19	4380	6.90
100382		4.48	0.265	5.0	2.11	9	<10	20	1.1	4	5.61	<0.5	75	9	8200	6.68
100383		4.46	0.292	5.5	1.67	7	<10	20	1.3	2	7.81	7.8	51	8	7420	6.54
100384		4.66	0.189	5.8	1.57	11	<10	20	1.6	4	8.31	0.7	51	8	6540	6.05
100385		5.98	0.079	2.5	1.82	6	<10	30	1.4	<2	6.57	0.6	42	19	3310	6.55
100386			0.092	2.9	1.78	6	<10	30	1.3	<2	6.74	<0.5	45	14	3350	6.51
100387		3.44	0.050	1.1	2.90	6	<10	60	1.7	<2	7.68	0.5	34	232	1495	4.83
100388		5.96	2.18	2.0	2.97	10	<10	50	0.7	5	6.78	<0.5	22	298	2550	4.86
100389		4.88	0.060	3.2	2.68	7	<10	70	<0.5	2	5.80	0.8	17	248	1095	3.81
100390		5.52	0.032	0.4	2.97	6	<10	80	<0.5	<2	5.75	<0.5	14	264	489	3.96
100391		3.10	0.014	<0.2	0.88	<2	<10	290	<0.5	<2	3.58	<0.5	7	21	39	3.37
100392		2.66	0.015	<0.2	0.78	3	<10	330	<0.5	<2	3.81	<0.5	7	16	12	3.17
100393		1.68	0.015	0.7	3.12	3	<10	90	0.7	<2	5.67	<0.5	17	249	680	3.97
100394		4.76	0.033	0.2	3.31	5	<10	80	0.7	<2	5.66	<0.5	15	291	298	3.79
100395		5.54	0.016	<0.2	3.34	5	<10	140	0.5	<2	5.23	<0.5	16	314	152	4.00
100396		5.10	0.086	0.4	3.36	4	<10	90	<0.5	<2	5.66	<0.5	15	351	367	3.99
100397			0.029	0.5	3.19	4	<10	120	<0.5	<2	5.14	<0.5	15	330	422	3.76
100398		4.94	0.013	<0.2	3.12	5	<10	100	<0.5	<2	5.33	<0.5	14	326	83	3.72
100399		4.60	0.007	0.7	2.98	5	<10	80	<0.5	<2	5.38	<0.5	13	279	104	3.67
100400		4.28	0.028	1.2	2.69	5	<10	70	<0.5	<2	6.64	1.0	13	280	331	3.89
100401		5.12	0.356	4.6	2.06	2	<10	40	0.6	<2	8.20	0.5	10	249	2260	2.86
100402		4.82	0.011	<0.2	1.91	2	<10	90	<0.5	<2	6.24	<0.5	8	182	186	2.73
100403		4.68	0.010	0.2	1.89	2	<10	70	0.6	<2	6.91	1.0	7	200	268	2.11
100404		4.36	0.014	<0.2	1.91	2	<10	70	0.5	<2	6.21	<0.5	7	160	268	2.59
100405		0.36	0.014	0.5	2.05	7	<10	60	0.6	<2	6.54	<0.5	8	195	637	2.22
100406		4.90	<0.005	<0.2	0.02	2	<10	60	<0.5	<2	>15.0	<0.5	<1	5	4	0.06
100407		5.12	<0.005	<0.2	2.74	5	<10	140	<0.5	<2	4.34	<0.5	12	292	59	3.15
100408		4.40	0.096	0.9	2.53	3	<10	60	0.8	<2	4.98	<0.5	9	208	455	2.75
100409		0.14	2.75	0.3	1.30	5580	<10	20	<0.5	13	4.48	0.7	160	28	51	2.86
100410		4.54	0.008	<0.2	2.32	17	<10	50	1.0	<2	5.58	0.8	9	207	245	2.50



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - A  
Total # of pages : 7 (A - C)  
Date : 21-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100411		6.66	6.11	1.2	2.28	6	<10	50	0.9	<2	6.70	1.6	10	205	367	2.82
100412		3.22	0.033	<0.2	2.53	5	<10	110	1.0	<2	6.38	<0.5	9	259	223	2.94
100413		5.10	0.054	<0.2	1.95	6	<10	60	1.1	<2	6.07	<0.5	9	134	704	2.29
100414		4.56	0.093	1.0	1.99	3	<10	50	1.1	<2	8.69	0.5	14	131	1695	2.81
100415		4.70	0.191	0.8	2.34	4	<10	30	0.6	<2	7.52	14.3	22	232	512	3.51
100416		4.26	0.018	0.3	2.11	4	<10	50	0.7	<2	7.93	0.9	20	106	505	4.07
100417			0.027	0.4	2.13	4	<10	50	0.7	<2	7.86	<0.5	19	110	457	4.04
100418		5.22	0.027	1.0	2.00	7	<10	30	<0.5	<2	5.59	0.5	30	106	1365	4.22
100419		4.26	0.042	1.0	2.15	4	<10	30	<0.5	<2	6.66	<0.5	33	118	1100	5.90
100420		5.28	0.024	0.3	2.04	5	<10	30	<0.5	<2	6.35	<0.5	24	137	486	4.72
100421		4.50	0.042	0.9	2.22	4	<10	30	<0.5	<2	6.32	<0.5	40	135	984	5.79
100422		4.86	0.040	0.6	1.88	4	<10	40	0.6	<2	7.30	<0.5	24	132	1035	6.27
100423		0.14	0.426	0.3	0.84	3290	40	10	<0.5	17	6.07	<0.5	103	12	114	3.56
100424		4.40	0.126	1.9	1.43	12	<10	30	0.9	<2	8.84	0.8	20	81	2790	4.63
100425		4.98	0.032	0.7	2.10	8	<10	40	0.7	<2	5.72	1.3	24	125	1010	3.79
100426		4.46	0.018	0.3	2.08	5	<10	40	0.6	<2	6.42	<0.5	18	110	534	3.54
100427			0.015	0.4	2.19	6	<10	40	0.7	<2	6.75	<0.5	18	114	566	3.71
100428		5.20	0.063	1.5	2.43	6	<10	60	0.9	<2	7.31	0.9	23	224	1395	4.60
100429		4.76	0.036	1.2	2.76	4	<10	40	0.8	<2	6.80	0.6	46	271	1385	5.80
100430		5.72	0.090	0.9	1.63	2	<10	40	0.9	<2	5.55	0.7	20	71	962	3.67
100431		0.40	<0.005	<0.2	0.03	6	<10	40	<0.5	<2	>15.0	<0.5	<1	4	7	0.08
100432		3.62	0.040	0.8	2.25	3	<10	30	1.0	<2	5.68	<0.5	27	108	788	5.37
100433		5.80	0.025	0.7	1.96	<2	<10	30	1.0	<2	5.12	<0.5	21	76	751	4.06
100434		6.62	0.141	1.0	1.92	6	<10	30	0.8	<2	5.41	<0.5	20	116	900	4.45
100435		2.96	0.026	0.5	1.30	2	<10	50	1.1	<2	5.06	0.5	12	37	576	3.47
100436		4.48	0.114	1.2	1.86	3	<10	30	0.9	<2	6.45	<0.5	18	86	3120	4.74
100437		4.44	0.117	2.0	1.68	3	<10	30	0.7	<2	7.94	<0.5	14	87	2020	4.63
100438		5.12	0.072	1.2	1.92	4	<10	30	1.0	<2	7.82	<0.5	14	94	981	4.26
100439		4.56	0.059	0.7	1.84	5	<10	30	1.1	<2	7.60	<0.5	15	94	708	4.44
100440		0.10	0.027	16.5	0.40	12	<10	130	<0.5	3	0.99	<0.5	4	46	6560	1.40
100441		5.14	0.047	1.0	1.94	3	<10	40	0.8	<2	7.27	<0.5	18	100	813	4.80
100442		4.80	0.041	<0.2	1.28	<2	<10	30	0.8	<2	6.71	<0.5	14	50	241	3.78
100443		4.74	0.079	0.7	1.82	3	<10	50	1.3	<2	6.39	<0.5	19	65	889	4.72
100444		5.44	0.101	0.3	2.70	2	<10	100	0.8	<2	4.75	<0.5	24	75	576	5.01
100445		4.96	0.034	0.7	2.28	2	<10	40	1.0	<2	5.27	<0.5	23	95	909	4.32
100446			0.108	2.0	2.57	<2	<10	80	0.5	<2	4.33	<0.5	28	72	1965	5.38
100447		4.94	0.109	2.0	2.98	7	<10	160	0.6	4	4.24	<0.5	25	74	1990	5.33
100448		5.38	0.030	0.2	2.89	2	<10	170	<0.5	<2	3.25	<0.5	22	61	385	4.57
100449		5.48	0.044	0.3	3.23	6	<10	200	<0.5	<2	3.82	<0.5	24	72	812	4.84
100450		3.70	0.147	1.6	1.46	3	<10	30	0.8	2	4.17	<0.5	24	67	4100	5.52



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100751		3.96	0.137	1.8	2.01	14	<10	40	0.8	2	2.20	<0.5	28	79	3010	5.90
100752		5.38	0.137	0.8	0.61	5	<10	30	0.6	<2	2.70	<0.5	7	11	1305	2.07
100753		4.68	0.062	0.4	0.40	3	<10	70	0.5	<2	2.39	<0.5	5	8	993	2.37
100754		4.88	0.121	0.6	1.82	4	<10	30	1.1	2	4.63	<0.5	21	76	1100	5.23
100755		0.38	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15	<0.5	1	12	7	0.12
100756		4.54	0.349	1.6	1.80	3	<10	40	0.8	2	4.52	<0.5	25	91	2670	4.78
100757		4.68	0.049	0.9	2.05	2	<10	40	0.6	2	5.97	<0.5	28	84	1185	4.51
100758		4.24	0.023	0.4	2.01	4	<10	50	0.5	<2	5.14	<0.5	27	106	1465	4.41
100759		4.42	0.108	0.8	1.63	2	<10	40	1.0	2	6.08	<0.5	17	90	2160	3.18
100760		4.68	0.064	0.5	1.82	6	<10	50	1.1	<2	6.05	0.5	15	97	490	2.67
100761		0.12	2.91	0.4	1.35	5760	<10	20	<0.5	15	4.57	0.6	158	27	55	2.96
100762		5.14	0.006	<0.2	1.58	14	<10	60	1.0	<2	6.85	<0.5	14	75	100	2.42
100763		5.46	0.023	0.3	2.03	5	<10	40	1.6	<2	5.49	<0.5	23	98	470	2.74
100764		4.96	0.034	0.9	1.52	4	<10	30	1.8	<2	7.03	<0.5	14	100	676	1.94
100765		5.10	0.016	0.3	1.58	5	<10	30	1.3	<2	6.77	0.5	14	97	320	2.46
100766		4.78	0.012	<0.2	1.66	4	<10	30	1.3	<2	8.36	<0.5	17	83	369	2.88
100767		3.14	0.016	<0.2	1.67	3	<10	30	1.4	<2	7.41	<0.5	16	81	88	2.92



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 2 - B

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100151		<10	1	0.43	10	0.29	388	4	0.10	4	210	15	0.11	<2	2	520
100152		<10	1	0.43	10	0.39	671	3	0.06	6	340	10	0.07	<2	3	514
100153		<10	<1	0.43	10	0.42	446	3	0.11	4	620	13	0.06	<2	3	428
100154		<10	1	0.43	10	0.38	590	2	0.08	6	300	13	0.07	<2	3	483
100155		<10	<1	0.50	10	0.38	780	3	0.08	6	270	11	0.08	<2	3	461
100156		<10	1	0.47	20	0.47	670	2	0.08	5	650	15	0.06	<2	3	428
100157		<10	1	0.47	10	0.28	603	4	0.07	6	180	18	0.10	2	3	546
100158		<10	1	0.29	10	0.11	2080	9	0.05	3	80	31	0.20	<2	2	596
100159		<10	<1	0.26	20	0.32	4660	19	0.04	5	870	32	0.12	<2	5	388
100160		<10	<1	0.31	20	0.32	4690	21	0.05	6	890	36	0.13	<2	5	418
100161		<10	<1	0.34	20	0.36	2080	6	0.05	4	610	11	0.09	<2	4	435
100162		<10	1	0.31	20	0.29	1440	6	0.05	4	560	11	0.09	<2	4	449
100163		<10	<1	0.26	20	0.20	3090	16	0.04	4	320	10	0.16	<2	5	619
100164		<10	<1	0.24	10	0.28	2320	7	0.04	3	120	7	0.12	<2	4	588
100165		<10	<1	0.23	10	0.32	3670	9	0.03	4	150	9	0.19	<2	5	516
100166		<10	<1	0.32	20	0.48	1540	4	0.05	5	720	14	0.14	2	4	474
100167		<10	1	0.33	20	0.47	1100	3	0.05	2	660	14	0.09	<2	3	392
100168		<10	<1	0.33	20	0.54	867	1	0.05	4	850	11	0.08	<2	4	361
100169		<10	1	0.34	20	0.60	1170	2	0.06	5	920	11	0.06	<2	5	267
100170		<10	1	0.19	<10	0.14	216	104	0.02	9	200	31	0.90	30	1	184
100171		<10	<1	0.22	20	0.53	2440	1	0.05	3	870	10	0.08	<2	5	389
100172		<10	1	0.35	20	0.56	3980	2	0.05	6	840	14	0.13	<2	5	475
100173		<10	1	0.36	20	0.57	3500	1	0.04	5	690	13	0.11	<2	4	521
100174		<10	<1	0.29	20	0.34	3830	2	0.04	6	490	12	0.17	<2	4	553
100175		<10	<1	0.31	20	0.52	4150	1	0.05	5	710	12	0.11	<2	5	419
100176		<10	<1	0.30	20	0.57	3090	2	0.06	5	840	14	0.09	<2	5	406
100177		<10	1	0.31	20	1.28	4600	1	0.03	27	820	11	0.11	<2	9	592
100178		10	2	4.27	10	5.88	2860	1	0.04	179	1040	2	0.05	<2	23	258
100179		10	1	3.79	10	4.99	2120	1	0.03	191	1290	<2	0.09	<2	13	213
100180		10	2	3.67	10	4.59	1845	<1	0.03	197	1270	8	0.20	<2	9	133
100181		10	2	3.89	10	4.93	1775	<1	0.04	204	1320	4	0.14	<2	11	138
100182		<10	1	0.19	<10	0.14	219	104	0.02	7	200	38	0.92	31	1	182
100183		10	1	3.89	10	5.01	1845	1	0.04	175	1240	<2	0.04	<2	10	171
100184		10	<1	3.50	10	4.53	1755	<1	0.04	149	1190	<2	0.05	<2	11	202
100185		10	<1	3.37	20	4.02	1715	1	0.04	99	2110	12	0.16	<2	12	184
100186		10	<1	2.64	20	2.92	1455	2	0.03	39	2820	16	0.34	<2	9	297
100187		10	1	2.58	30	3.02	1525	3	0.04	33	3130	10	0.46	<2	15	337
100188		10	<1	2.09	20	2.43	1200	1	0.04	25	2560	2	0.16	2	14	393
100189		10	1	2.13	20	2.44	1220	3	0.05	24	2570	5	0.16	<2	14	420
100190		10	1	1.96	20	2.68	1410	3	0.03	23	3590	<2	0.09	<2	17	495



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - B  
Total # of pages : 7 (A - C)  
Date : 21-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	
100191		10	1	2.00	20	2.48	1350	7	0.02	24	3600	<2	0.20	<2	14	403	
100192		10	<1	1.92	20	2.39	1200	1	0.03	25	2780	3	0.17	<2	13	391	
100193		10	1	2.17	20	2.62	1300	2	0.04	28	3380	2	0.22	<2	14	509	
100194		<10	1	0.19	<10	0.14	211	103	0.02	8	200	33	0.89	30	1	182	
100195		10	2	1.90	20	2.59	1400	3	0.03	28	3450	<2	0.15	<2	16	918	
100196		10	<1	2.19	30	3.05	1600	2	0.02	28	3410	6	0.14	<2	17	585	
100197		10	1	2.22	30	3.01	1545	1	0.03	29	3250	8	0.27	<2	14	624	
100198		10	1	1.92	20	2.58	1315	4	0.05	21	2720	4	0.24	<2	14	446	
100199		10	1	0.93	10	2.44	1130	1	0.05	9	1960	2	0.09	<2	8	237	
100200		10	1	2.40	20	3.00	1440	4	0.04	28	3340	2	0.42	<2	17	354	
100201		10	<1	2.31	30	3.41	1440	2	0.05	59	3140	2	0.29	3	14	485	
100202		10	1	2.35	20	3.43	1915	3	0.05	24	2960	7	0.20	<2	17	383	
100203		10	1	0.28	<10	2.26	1130	1	0.05	3	1580	3	0.08	<2	6	235	
100204		10	1	2.70	20	3.40	1850	7	0.02	29	2740	2	0.13	<2	17	508	
100205		10	1	2.37	30	3.18	1790	<1	0.04	31	3060	<2	0.13	<2	21	774	
100206		10	2	1.92	30	3.08	1700	1	0.04	28	3000	<2	0.11	2	21	851	
100207		10	<1	1.54	30	2.21	1335	4	0.03	33	3210	4	0.12	<2	15	777	
100208		10	<1	1.47	20	2.01	1095	4	0.03	25	2580	8	0.34	<2	13	762	
100209		10	1	2.02	30	3.23	1565	1	0.05	33	3280	<2	1.09	<2	17	659	
100210		<10	1	0.04	10	0.20	530	5	0.09	30	1060	6	0.52	7	2	93	
100211		10	1	1.70	20	2.84	1505	2	0.06	26	3190	4	1.22	2	14	923	
100212		10	1	1.85	20	2.92	1575	3	0.06	27	3300	<2	1.44	2	15	799	
100213		10	1	1.87	20	2.87	1595	11	0.05	24	3350	78	1.77	<2	18	754	
100214		10	1	1.82	20	2.87	1825	5	0.04	24	3300	7	1.15	3	19	947	
100215		10	1	1.44	20	2.78	1750	3	0.04	26	3220	2	1.12	<2	14	1090	
100216		10	<1	0.76	30	2.58	1820	6	0.03	23	3130	2	1.08	<2	17	1060	
100217		<10	1	0.79	30	2.42	1770	6	0.03	24	3000	23	2.01	<2	20	948	
100218		<10	1	0.28	20	1.74	2230	8	0.01	20	2000	109	4.75	<2	17	1005	
100219		<10	1	0.31	20	1.84	2300	6	0.02	20	2050	79	4.22	<2	18	969	
100220		<10	1	0.34	10	0.54	489	5	0.02	14	1790	16	1.99	<2	2	803	
100221		<10	1	0.52	20	1.48	1050	1	0.02	26	2350	12	0.20	<2	6	571	
100222		<10	1	0.61	20	1.57	1085	1	0.02	30	2360	10	0.19	<2	7	546	
100223		<10	<1	0.10	<10	1.71	975	186	0.01	28	360	279	1.13	8	13	489	
100224		<10	1	0.60	10	3.38	2060	2	0.03	47	1610	19	0.12	<2	25	469	
100225		<10	<1	0.28	10	2.15	1215	2	0.01	29	1510	23	0.63	<2	13	653	
100226		<10	1	0.33	10	2.27	1565	1	0.01	34	1560	19	1.37	<2	19	907	
100227		10	1	1.18	10	2.98	1665	2	0.02	37	930	7	2.97	<2	31	800	
100228		<10	1	0.02	<10	0.40	105	<1	<0.01	3	90	<2	0.02	2	<1	121	
100229		10	1	2.56	20	4.23	2120	2	0.03	66	1740	8	1.32	<2	26	526	
100230		10	1	1.68	10	4.32	2370	2	0.04	61	1530	16	1.36	<2	27	641	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100231		<10	<1	1.01	10	3.73	2110	3	0.02	59	1610	14	0.46	<2	25	682
100232		<10	<1	0.78	10	3.59	2070	1	0.01	53	1650	10	0.75	<2	26	198
100233		10	<1	1.47	20	3.21	1640	2	0.01	54	2430	47	1.59	<2	21	719
100234		<10	1	0.46	10	1.85	1230	3	0.01	36	2800	246	1.87	<2	16	644
100235		<10	1	0.40	20	1.59	992	10	0.01	43	4090	23	4.48	2	4	525
100236		<10	<1	0.19	<10	0.14	211	104	0.02	8	200	35	0.90	32	1	183
100237		10	1	0.80	10	2.39	1465	40	0.01	52	2510	56	6.94	<2	8	561
100238		<10	1	0.51	20	2.51	2070	17	0.02	47	2680	46	4.85	3	18	464
100239		10	<1	0.26	10	2.79	2230	<1	0.03	29	1460	16	0.99	2	20	459
100240		20	<1	0.51	10	2.06	1675	<1	0.03	26	2120	13	1.08	2	10	822
100241		20	<1	1.21	30	2.01	1310	<1	0.05	38	3640	9	1.24	2	7	705
100242		20	<1	1.19	20	1.55	1050	<1	0.02	41	2800	15	1.70	2	3	760
100243		<10	1	0.01	<10	0.51	161	<1	<0.01	1	110	<2	0.02	3	<1	94
100244		20	<1	0.84	20	1.50	1150	<1	0.02	38	3180	11	1.49	2	4	858
100245		20	<1	1.00	20	1.44	1430	<1	0.02	36	2680	11	1.88	2	3	894
100246		20	<1	1.14	10	1.42	1360	3	0.02	21	1890	16	1.69	4	3	879
100247		20	<1	1.18	10	1.36	1260	3	0.03	22	1920	19	1.74	4	3	831
100248		20	<1	1.04	10	1.29	1510	<1	0.02	21	1660	20	1.69	<2	2	1025
100249		20	<1	1.84	10	2.25	1505	<1	0.03	34	2260	13	2.16	2	4	933
100250		20	<1	1.90	10	2.24	1395	<1	0.02	28	1510	8	2.09	<2	7	889
100351		30	<1	2.98	10	3.79	2060	<1	0.02	32	1510	3	2.16	2	11	732
100352		30	<1	2.51	20	3.58	2140	2	0.03	43	2040	<2	2.50	3	18	696
100353		20	<1	1.86	20	2.34	1715	2	0.03	41	1990	6	2.77	<2	13	944
100354		20	<1	1.60	20	2.05	1555	2	0.03	44	2270	7	3.07	4	15	712
100355		30	<1	2.18	20	2.82	1655	1	0.04	37	2210	5	3.20	2	16	611
100356		30	<1	2.15	20	2.77	1640	<1	0.04	38	2250	9	3.03	<2	16	606
100357		30	<1	3.42	20	4.74	3020	<1	0.04	33	2430	3	2.37	5	15	496
100358		30	<1	3.02	20	4.20	2820	<1	0.03	32	2220	<2	2.49	4	12	693
100359		<10	1	0.02	<10	0.56	143	<1	0.01	1	70	<2	0.03	<2	<1	109
100360		30	<1	2.21	30	3.03	1800	<1	0.03	37	3770	5	3.07	3	15	854
100361		20	<1	1.94	20	2.45	1745	2	0.02	31	1820	34	3.64	<2	13	787
100362		20	<1	1.24	20	1.39	977	<1	0.02	27	1920	11	3.83	<2	3	1030
100363		20	<1	1.46	30	1.59	1425	2	0.03	20	2200	9	3.46	2	7	1085
100364		30	<1	2.54	20	3.03	1170	<1	0.03	28	2280	3	3.71	2	10	1040
100365		20	<1	2.02	20	2.19	1075	<1	0.03	26	2390	10	2.89	3	5	901
100366		20	<1	1.26	20	1.40	997	<1	0.03	22	2240	12	3.71	<2	3	1030
100367		20	<1	1.16	20	1.26	950	<1	0.02	39	2530	6	3.44	3	3	998
100368		20	<1	1.95	30	2.16	1400	<1	0.02	34	2890	16	3.90	3	4	975
100369		20	<1	1.45	20	1.60	914	<1	0.02	35	2480	13	3.26	2	4	719
100370		20	<1	2.01	20	2.38	1120	<1	0.02	34	2690	7	3.34	<2	7	774





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 5 - B  
Total # of pages : 7 (A - C)  
Date : 21-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	1	10	2	0.01	2	1	1
100371	20	<1	2.00	30	2.54	1630	<1	0.02	20	2380	14	4.55	<2	9	947	
100372	20	<1	2.26	20	2.66	2370	<1	0.03	9	1640	9	4.81	<2	9	960	
100373	10	<1	0.81	20	0.96	1055	<1	0.03	9	1860	33	4.90	2	2	1365	
100374	20	<1	0.93	20	1.40	1520	<1	0.02	7	1460	8	3.63	2	6	1200	
100375	<10	<1	0.19	<10	0.14	217	101	0.02	8	200	31	0.90	33	1	198	
100376	20	<1	1.06	20	1.22	1235	<1	0.02	6	1480	9	3.94	2	6	1125	
100377	20	<1	1.18	20	1.59	1360	<1	0.03	10	1340	3	3.72	3	5	1045	
100378	<10	<1	0.03	<10	0.36	130	<1	<0.01	<1	110	<2	0.14	<2	<1	136	
100379	20	<1	0.81	10	1.49	1300	<1	0.02	5	1070	24	3.77	2	8	1210	
100380	20	<1	1.76	20	2.37	2280	1	0.03	6	1910	11	3.95	2	13	1065	
100381	20	<1	1.91	20	2.33	2400	2	0.02	7	2140	23	4.57	3	15	1325	
100382	20	<1	2.06	20	2.33	1910	<1	0.02	10	2170	16	5.36	<2	13	1335	
100383	20	<1	1.73	10	2.05	2020	3	0.02	26	1840	33	6.15	2	11	1835	
100384	20	<1	1.66	10	1.76	2350	<1	0.02	8	1740	141	5.48	2	10	1600	
100385	20	<1	1.84	10	2.18	2090	<1	0.03	9	1710	12	3.90	<2	12	1450	
100386	20	<1	1.80	10	2.18	2120	<1	0.02	9	1740	15	4.04	2	12	1480	
100387	20	<1	2.87	10	3.88	2530	1	0.04	112	1300	23	4.00	<2	14	975	
100388	20	<1	3.02	10	4.36	2740	1	0.05	155	1080	18	2.58	<2	11	880	
100389	20	<1	2.41	10	3.61	1755	<1	0.03	128	1180	187	2.27	2	11	1050	
100390	20	<1	2.60	10	3.93	1835	<1	0.04	131	1140	14	1.85	2	11	740	
100391	10	<1	0.27	20	0.86	1020	<1	0.04	6	1030	4	0.36	<2	4	170	
100392	10	<1	0.21	10	0.68	884	<1	0.07	2	1020	<2	0.57	2	4	304	
100393	20	<1	2.80	10	4.19	2090	1	0.04	153	1230	7	1.71	<2	12	762	
100394	20	<1	2.80	10	4.23	1760	<1	0.04	137	1140	10	1.90	3	12	831	
100395	20	<1	2.99	10	4.69	1875	<1	0.04	161	1190	9	1.77	<2	11	810	
100396	20	<1	3.13	10	4.70	1825	<1	0.04	177	1030	24	1.76	2	11	790	
100397	20	<1	3.07	10	4.57	1715	<1	0.04	173	1050	19	1.76	<2	9	758	
100398	20	<1	2.82	10	4.36	1645	<1	0.05	170	1020	15	1.66	<2	10	866	
100399	20	<1	2.82	10	4.14	1495	2	0.06	169	1130	105	2.17	3	10	925	
100400	20	<1	2.42	10	3.89	2030	<1	0.10	142	1110	262	2.46	<2	11	894	
100401	20	<1	2.02	10	3.24	1440	4	0.09	111	1100	21	3.49	2	12	1245	
100402	20	<1	1.79	10	2.65	1390	<1	0.04	87	1100	3	2.29	2	10	707	
100403	20	<1	1.68	<10	2.45	1105	1	0.04	63	1180	80	3.12	3	10	1155	
100404	20	<1	1.71	10	2.57	1480	<1	0.04	48	1250	10	2.05	2	11	938	
100405	20	<1	1.72	<10	2.53	1045	1	0.04	66	1220	13	2.89	<2	11	1035	
100406	<10	<1	0.02	<10	0.34	100	<1	<0.01	1	100	<2	0.02	2	<1	93	
100407	20	<1	2.63	10	3.86	1600	<1	0.04	159	1130	44	1.50	2	9	725	
100408	20	<1	2.19	10	3.18	1410	<1	0.04	107	1270	30	1.89	<2	10	862	
100409	10	<1	0.04	<10	0.20	525	4	0.09	31	1020	8	0.50	8	2	96	
100410	20	<1	1.99	10	2.89	1420	<1	0.04	101	1250	51	2.32	<2	9	1020	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - B  
Total # of pages : 7 (A - C)  
Date : 21-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100411		20	<1	2.03	10	2.97	1350	5	0.05	85	1180	53	2.28	<2	11	832
100412		20	<1	2.20	10	3.24	1315	<1	0.05	66	1240	3	2.25	<2	15	751
100413		20	<1	1.68	10	2.46	1160	<1	0.03	50	1280	<2	2.62	2	11	963
100414		20	<1	1.97	<10	2.84	1395	7	0.03	51	1320	41	3.68	<2	12	1115
100415		20	<1	2.21	10	3.18	1480	17	0.04	91	1200	163	3.03	<2	12	798
100416		20	<1	2.63	10	3.63	2460	<1	0.04	29	1460	85	1.84	2	9	1500
100417		20	<1	2.63	<10	3.60	2480	1	0.06	28	1500	95	1.77	<2	10	1480
100418		20	<1	2.12	10	2.98	1810	<1	0.04	35	1720	6	2.52	<2	19	863
100419		20	<1	2.51	10	3.34	2700	<1	0.03	42	1840	17	2.85	<2	25	1395
100420		20	<1	1.96	10	2.77	2120	1	0.04	41	1760	15	2.49	<2	25	1040
100421		20	<1	2.43	10	3.18	2580	2	0.04	43	1920	26	2.66	<2	28	1175
100422		20	<1	2.02	10	2.71	2550	5	0.04	38	1740	11	2.58	<2	29	1200
100423		<10	<1	0.03	10	0.20	597	32	0.07	27	1120	13	1.22	8	1	84
100424		10	<1	1.38	10	2.20	2430	9	0.07	24	1340	13	4.06	<2	17	1565
100425		20	<1	1.82	10	2.84	1705	2	0.07	37	1860	16	2.38	<2	17	845
100426		20	<1	1.76	10	2.72	1665	2	0.05	36	1750	17	2.58	<2	18	1030
100427		20	<1	1.80	10	2.78	1745	3	0.05	37	1830	19	2.56	2	19	1055
100428		20	<1	2.12	10	3.03	1870	3	0.04	106	1180	97	3.00	<2	17	993
100429		20	<1	2.30	10	3.10	2040	<1	0.04	118	1310	20	3.56	<2	20	1050
100430		20	<1	1.42	10	2.13	1760	1	0.04	22	1300	30	2.18	<2	16	1175
100431		<10	<1	0.02	<10	0.52	107	<1	<0.01	<1	100	<2	<0.5	<2	<1	92
100432		20	<1	2.15	10	2.87	2320	<1	0.04	31	1430	25	2.60	<2	22	1030
100433		20	<1	1.62	10	2.24	1810	2	0.04	22	1340	21	2.13	<2	17	796
100434		20	<1	1.92	10	2.66	1975	7	0.03	31	1400	48	2.73	2	17	1025
100435		10	<1	0.73	10	1.32	1355	1	0.03	9	1240	22	2.75	<2	9	1035
100436		20	<1	1.96	10	2.69	2350	<1	0.04	48	1370	16	3.06	<2	22	1240
100437		20	<1	1.70	10	2.38	2470	<1	0.03	31	1360	<2	3.67	<2	24	1415
100438		20	<1	1.96	10	2.78	2750	<1	0.03	30	1480	<2	3.23	2	26	1265
100439		10	<1	1.80	10	2.77	2930	<1	0.04	29	1340	6	2.95	<2	23	1360
100440		<10	<1	0.18	<10	0.14	216	93	0.02	7	220	32	0.82	23	1	183
100441		20	<1	2.03	10	2.96	3030	<1	0.03	27	1360	2	2.69	<2	23	1110
100442		10	<1	1.34	10	2.25	2330	<1	0.03	25	1420	5	2.46	<2	21	1140
100443		20	<1	1.42	10	2.67	2210	<1	0.04	27	1460	6	1.87	<2	24	966
100444		20	<1	1.72	<10	3.33	1235	<1	0.05	38	1580	7	0.86	<2	14	457
100445		20	<1	2.34	10	3.55	1845	<1	0.05	33	1440	7	1.78	2	20	857
100446		20	<1	2.01	<10	3.10	1340	2	0.06	41	1720	5	1.48	<2	13	406
100447		10	1	2.12	10	3.17	1330	3	0.07	38	1620	11	1.35	<2	12	456
100448		10	1	1.74	<10	2.94	821	2	0.04	36	1660	7	0.54	<2	8	267
100449		10	1	2.04	10	3.17	924	2	0.05	38	1740	8	0.51	<2	12	283
100450		10	<1	1.68	10	2.12	896	2	0.03	27	1720	8	3.02	<2	9	1120



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100751		10	1	1.92	10	2.74	1300	1	0.03	37	1510	15	1.44	<2	13	917
100752		10	<1	0.27	20	0.41	588	3	0.01	5	460	14	1.71	<2	2	1310
100753		<10	1	0.20	10	0.22	389	2	0.02	3	370	8	1.47	<2	1	1165
100754		10	1	1.78	10	2.23	1385	<1	0.02	26	1470	5	2.81	<2	21	1065
100755		<10	<1	0.01	<10	0.49	134	<1	<0.01	<1	60	3	0.01	<2	<1	93
100756		10	1	1.74	10	2.15	1730	2	0.03	29	1360	8	2.21	<2	18	1005
100757		10	1	1.82	10	2.23	2220	3	0.02	22	1400	25	3.09	<2	20	1235
100758		10	1	1.72	10	2.18	2130	2	0.02	30	1300	10	2.33	<2	22	1100
100759		10	1	1.62	10	2.11	1475	4	0.02	24	1400	5	3.21	<2	16	1225
100760		10	<1	1.63	10	2.33	1625	1	0.03	23	1440	12	3.07	<2	16	1375
100761		<10	<1	0.04	10	0.20	551	5	0.09	31	1030	10	0.48	7	2	99
100762		10	1	1.34	10	1.94	1610	1	0.02	27	1400	10	3.78	<2	14	1680
100763		10	1	1.64	10	2.47	1730	3	0.03	30	1410	9	2.64	<2	17	1135
100764		10	<1	1.32	10	2.05	1425	2	0.03	26	1220	9	3.95	<2	13	1685
100765		10	1	1.33	10	1.90	1755	3	0.03	32	1280	44	3.78	<2	16	1700
100766		10	1	1.48	10	1.98	2120	3	0.02	29	1320	28	4.65	<2	16	1850
100767		10	1	1.45	10	2.04	2340	<1	0.02	29	1370	7	3.91	<2	17	1645



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 2 - C  
 Total # of pages : 7 (A - C)  
 Date : 21-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100151		0.07	<10	<10	48	<10	26	
100152		0.08	<10	<10	80	<10	43	
100153		0.12	<10	<10	85	<10	39	
100154		0.09	<10	<10	62	<10	29	
100155		0.08	<10	<10	59	<10	29	
100156		0.11	<10	<10	93	<10	44	
100157		0.06	<10	<10	43	<10	28	
100158		0.01	<10	<10	19	<10	23	
100159		0.05	<10	<10	93	<10	45	
100160		0.07	<10	<10	112	<10	50	
100161		0.07	<10	<10	77	<10	36	
100162		0.04	<10	<10	62	<10	32	
100163		<0.01	<10	<10	52	<10	27	
100164		<0.01	<10	<10	18	<10	21	
100165		<0.01	<10	<10	24	<10	32	
100166		0.01	<10	<10	46	<10	32	
100167		0.02	<10	<10	64	<10	42	
100168		0.06	<10	<10	95	<10	48	
100169		0.02	<10	<10	102	<10	46	
100170		0.01	<10	<10	10	<10	64	
100171		0.01	<10	<10	66	<10	24	
100172		0.01	<10	<10	91	<10	28	
100173		0.02	<10	<10	83	<10	33	
100174		0.01	<10	<10	68	<10	16	
100175		0.01	<10	<10	67	<10	29	
100176		0.01	<10	<10	71	<10	30	
100177		0.01	<10	<10	81	<10	43	
100178		0.24	<10	<10	343	<10	198	
100179		0.25	<10	<10	226	<10	198	
100180		0.25	<10	<10	225	<10	190	
100181		0.26	<10	<10	265	<10	174	
100182		0.01	<10	<10	10	<10	67	
100183		0.25	<10	<10	254	<10	156	
100184		0.24	<10	<10	251	<10	144	
100185		0.27	<10	<10	357	<10	146	
100186		0.24	<10	<10	373	<10	204	
100187		0.24	<10	<10	277	<10	142	
100188		0.22	<10	<10	241	<10	100	
100189		0.23	<10	<10	243	<10	100	
100190		0.19	<10	<10	238	<10	120	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 3 - C

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03040710</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		TI % 0.01	TI ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100191		0.16	<10	<10	220	<10	116	
100192		0.20	<10	<10	224	<10	104	
100193		0.20	<10	<10	262	<10	114	
100194		0.01	<10	<10	10	<10	64	
100195		0.18	<10	<10	232	<10	106	
100196		0.16	<10	<10	243	<10	123	
100197		0.18	<10	<10	246	<10	125	
100198		0.25	<10	<10	226	<10	106	
100199		0.27	<10	<10	216	<10	106	
100200		0.22	<10	<10	286	<10	98	
100201		0.18	<10	<10	238	<10	97	
100202		0.22	<10	<10	356	<10	108	
100203		0.27	<10	<10	200	<10	82	
100204		0.18	<10	<10	301	<10	110	
100205		0.17	<10	<10	375	<10	107	
100206		0.15	<10	<10	289	<10	106	
100207		0.10	<10	<10	178	<10	108	
100208		0.15	<10	<10	154	<10	95	
100209		0.23	<10	<10	266	<10	114	
100210		0.04	<10	<10	22	<10	55	
100211		0.19	<10	<10	247	<10	101	
100212		0.19	<10	<10	292	<10	116	
100213		0.18	<10	<10	239	<10	112	
100214		0.20	<10	<10	276	<10	138	
100215		0.13	<10	<10	249	<10	93	
100216		0.06	<10	<10	247	<10	97	
100217		0.04	<10	<10	211	<10	126	
100218		<0.01	<10	10	166	<10	124	
100219		<0.01	<10	10	173	<10	128	
100220		<0.01	<10	<10	66	<10	49	
100221		0.01	<10	<10	125	<10	119	
100222		0.01	<10	<10	142	<10	122	
100223		<0.01	<10	<10	77	<10	194	
100224		0.03	<10	<10	219	<10	154	
100225		<0.01	<10	<10	190	<10	166	
100226		0.02	<10	<10	313	<10	156	
100227		0.07	<10	<10	351	<10	132	
100228		<0.01	<10	<10	2	<10	<2	
100229		0.15	<10	<10	321	<10	148	
100230		0.11	<10	<10	273	<10	170	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100231		0.04	<10	<10	252	<10	156	
100232		0.02	<10	<10	216	<10	143	
100233		0.09	<10	10	377	<10	182	
100234		0.01	<10	<10	248	<10	287	
100235		0.02	<10	<10	569	<10	96	
100236		0.01	<10	<10	10	<10	64	
100237		0.04	<10	<10	512	<10	128	
100238		0.03	<10	<10	401	<10	176	1.56
100239		0.01	<10	10	311	<10	91	1.12
100240		0.04	<10	10	459	<10	70	1.02
100241		0.10	<10	10	724	<10	86	
100242		0.10	<10	10	713	<10	87	1.92
100243		<0.01	<10	<10	4	<10	<2	
100244		0.08	<10	10	657	<10	91	1.61
100245		0.09	<10	10	664	<10	88	2.98
100246		0.10	<10	10	605	<10	98	2.60
100247		0.10	<10	10	653	<10	96	2.66
100248		0.09	<10	10	384	<10	102	1.42
100249		0.16	<10	10	488	<10	126	
100250		0.16	<10	<10	536	<10	119	1.88
100351		0.22	<10	<10	623	<10	183	
100352		0.22	<10	10	696	<10	150	
100353		0.15	<10	<10	621	<10	138	1.29
100354		0.17	<10	10	607	<10	116	2.19
100355		0.22	<10	10	673	<10	114	1.67
100356		0.22	<10	10	680	<10	114	1.65
100357		0.24	<10	<10	681	<10	235	
100358		0.22	<10	10	615	<10	217	
100359		<0.01	<10	<10	3	<10	<2	
100360		0.20	<10	10	649	<10	128	
100361		0.15	<10	10	570	<10	154	1.42
100362		0.12	<10	10	418	<10	89	2.11
100363		0.16	<10	10	374	<10	111	
100364		0.23	<10	20	388	<10	122	0.99
100365		0.20	<10	10	363	<10	128	1.71
100366		0.16	<10	10	313	<10	105	2.65
100367		0.13	<10	10	441	<10	92	2.45
100368		0.18	<10	10	340	<10	164	3.40
100369		0.12	<10	10	399	<10	74	4.82
100370		0.17	<10	10	457	<10	118	2.76



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100371		0.18	<10	10	405	<10	198	1.59
100372		0.20	<10	10	448	<10	375	1.45
100373		0.16	<10	10	261	<10	173	2.22
100374		0.16	<10	10	330	<10	205	1.31
100375		0.01	<10	<10	10	<10	76	
100376		0.13	<10	10	245	<10	161	1.92
100377		0.14	<10	10	252	<10	150	1.53
100378		<0.01	<10	<10	6	<10	<2	
100379		0.12	<10	10	205	<10	156	
100380		0.21	<10	10	303	<10	205	
100381		0.23	<10	10	320	<10	309	
100382		0.20	<10	10	282	<10	201	
100383		0.13	<10	20	302	<10	668	
100384		0.16	<10	20	307	<10	208	
100385		0.14	<10	10	347	<10	155	
100386		0.13	<10	10	336	<10	159	
100387		0.21	<10	10	140	<10	306	
100388		0.20	<10	10	132	<10	185	
100389		0.17	<10	10	159	<10	215	
100390		0.19	<10	10	130	<10	184	
100391		0.12	<10	<10	63	<10	38	
100392		0.09	<10	10	57	<10	22	
100393		0.20	<10	10	158	<10	225	
100394		0.20	<10	10	157	<10	169	
100395		0.20	<10	10	151	<10	184	
100396		0.20	<10	10	140	<10	191	
100397		0.18	<10	10	125	<10	188	
100398		0.19	<10	10	126	<10	177	
100399		0.17	<10	10	119	<10	170	
100400		0.17	<10	10	150	<10	328	
100401		0.16	<10	10	126	<10	162	
100402		0.13	<10	10	108	<10	95	
100403		0.13	<10	10	105	<10	155	
100404		0.14	<10	10	109	<10	104	
100405		0.17	<10	10	117	<10	98	
100406		<0.01	<10	<10	1	<10	<2	
100407		0.16	<10	10	111	<10	173	
100408		0.16	<10	10	118	<10	135	
100409		0.04	<10	10	22	<10	60	
100410		0.15	<10	10	107	<10	168	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 6 - C

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100411		0.16	<10	10	118	<10	196	
100412		0.20	<10	10	138	<10	114	
100413		0.14	<10	10	104	<10	112	
100414		0.11	<10	10	95	<10	196	
100415		0.18	<10	10	114	<10	936	
100416		0.17	<10	10	128	<10	245	
100417		0.17	<10	10	138	<10	243	
100418		0.15	<10	10	166	<10	182	
100419		0.18	<10	10	301	<10	242	
100420		0.18	<10	10	308	<10	160	
100421		0.19	<10	10	291	<10	225	
100422		0.18	<10	20	405	<10	188	
100423		0.04	<10	10	32	<10	128	
100424		0.11	<10	20	229	<10	175	
100425		0.16	<10	10	149	<10	178	
100426		0.15	<10	10	154	<10	146	
100427		0.16	<10	10	166	<10	148	
100428		0.19	<10	10	152	<10	224	
100429		0.22	<10	10	167	<10	221	
100430		0.16	<10	10	142	<10	184	
100431		<0.01	<10	10	1	<10	17	
100432		0.18	<10	10	205	<10	252	
100433		0.18	<10	10	163	<10	178	
100434		0.15	<10	10	164	<10	194	
100435		0.16	<10	10	153	<10	143	
100436		0.17	<10	10	186	<10	170	
100437		0.16	<10	20	228	<10	154	
100438		0.17	<10	20	184	<10	176	
100439		0.14	<10	10	180	<10	191	
100440		0.01	<10	<10	9	<10	63	
100441		0.16	<10	20	186	<10	208	
100442		0.10	<10	10	179	<10	155	
100443		0.13	<10	10	226	<10	146	
100444		0.22	<10	10	171	<10	84	
100445		0.20	<10	10	190	<10	139	
100446		0.21	<10	10	166	<10	87	
100447		0.21	<10	<10	176	<10	84	
100448		0.19	<10	<10	140	<10	56	
100449		0.22	<10	<10	162	<10	57	
100450		0.11	<10	<10	226	<10	81	





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page # : 7 - C

Total # of pages : 7 (A - C)

Date : 21-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03040710

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100751		0.12	<10	<10	261	<10	150	
100752		0.02	<10	10	66	<10	54	
100753		0.02	<10	10	85	<10	31	
100754		0.13	<10	<10	264	<10	123	
100755		<0.01	<10	<10	<1	<10	7	
100756		0.13	<10	<10	221	<10	149	
100757		0.13	<10	<10	198	<10	180	
100758		0.13	<10	<10	180	<10	158	
100759		0.11	<10	<10	158	<10	134	
100760		0.12	<10	<10	150	<10	120	
100761		0.04	<10	<10	23	<10	57	
100762		0.10	<10	<10	168	<10	114	
100763		0.12	<10	<10	126	<10	118	
100764		0.08	<10	<10	92	<10	120	
100765		0.10	<10	<10	138	<10	152	
100766		0.10	<10	<10	154	<10	184	
100767		0.11	<10	<10	152	<10	190	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page # : 1  
Date : 27-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03042106

Project : Galore Creek  
P.O. No:  
This report is for 46 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 16-Oct-2003.  
The following have access to data associated with this certificate:

JACK COTE JOE PIEKENBROCK	JIM MUNTZERT	SCOTT PETSSEL
------------------------------	--------------	---------------

Hole GC 03-440

## SAMPLE PREPARATION

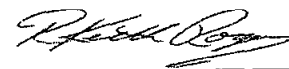
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 2 - A

Total # of pages : 3 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042106

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101420		5.14	0.031	0.3	0.35	<2	<10	670	<0.5	<2	0.91	0.5	7	27	427	1.04
101421		5.54	0.024	0.4	0.12	<2	<10	690	<0.5	<2	1.24	0.5	6	10	1090	0.95
101422		3.86	0.618	7.6	0.44	<2	<10	700	<0.5	10	1.12	1.0	8	18	2520	1.30
101423		0.02	0.016	20.2	0.40	10	<10	130	<0.5	<2	0.99	0.5	4	47	6490	1.37
101424		4.58	0.031	1.7	0.38	<2	<10	640	<0.5	<2	0.74	<0.5	6	12	825	0.79
101425		2.16	0.031	0.6	0.37	<2	<10	960	<0.5	<2	0.66	<0.5	6	17	625	1.01
101426		4.16	0.021	0.4	0.36	<2	<10	660	<0.5	<2	0.79	<0.5	5	11	514	0.92
101427		3.46	0.021	0.5	0.23	<2	<10	770	<0.5	<2	0.62	<0.5	3	14	512	0.53
101428		5.66	0.015	0.2	0.51	<2	<10	300	0.7	<2	1.84	<0.5	6	11	262	1.47
101429			0.013	0.3	0.73	2	<10	390	0.9	<2	1.94	<0.5	7	23	274	1.64
101430		5.50	0.020	0.3	0.49	<2	<10	190	0.7	<2	1.32	<0.5	6	10	359	1.04
101431		5.60	0.018	0.4	0.54	<2	<10	250	1.0	<2	1.48	<0.5	6	16	542	1.22
101432		5.50	0.020	0.3	0.18	<2	<10	440	0.5	<2	1.54	<0.5	7	8	431	1.31
101433		5.70	0.047	0.4	0.72	<2	<10	370	1.0	<2	1.28	<0.5	7	14	402	1.32
101434		4.04	0.051	0.3	0.54	<2	<10	360	0.9	<2	1.73	<0.5	7	11	326	1.73
101435		0.36	<0.005	<0.2	0.04	<2	<10	60	<0.5	<2	>15	<0.5	<1	2	12	0.15
101436		2.80	0.018	<0.2	0.56	<2	<10	1000	1.1	<2	1.92	<0.5	6	15	182	1.21
101437		2.96	0.031	0.2	0.38	3	<10	320	1.2	<2	3.41	<0.5	4	6	225	0.94
101438		4.10	0.017	<0.2	0.90	<2	10	1340	1.2	<2	2.78	<0.5	6	5	272	1.66
101439		3.46	0.014	0.3	0.67	<2	10	2050	1.1	<2	2.08	<0.5	3	9	346	0.58
101440		3.80	0.044	0.6	0.73	<2	<10	1420	1.0	<2	2.62	<0.5	7	17	489	2.62
101441		3.88	0.015	<0.2	0.70	<2	<10	1160	0.9	<2	2.69	<0.5	12	12	349	7.30
101442		4.42	0.056	0.5	0.95	<2	<10	410	1.3	<2	2.31	<0.5	10	6	641	2.65
101443		0.14	0.054	20.4	0.43	13	<10	140	<0.5	2	1.04	<0.5	4	49	6760	1.39
101444		2.04	0.016	0.6	0.86	<2	<10	180	1.2	<2	1.36	<0.5	4	10	427	0.85
101445		3.52	0.022	0.5	0.46	<2	<10	460	0.5	<2	0.57	<0.5	3	17	476	0.41
101446		6.28	0.020	<0.2	0.77	2	<10	860	0.6	<2	1.28	<0.5	8	11	221	2.83
101447		3.90	0.013	<0.2	0.44	<2	<10	1080	<0.5	<2	1.44	<0.5	3	18	146	0.48
101448		6.18	0.011	0.2	0.48	2	<10	980	0.7	<2	1.98	<0.5	6	9	299	1.46
101449			0.011	<0.2	0.32	<2	<10	900	0.5	<2	1.84	<0.5	5	5	273	1.45
101450		4.58	0.028	0.8	0.49	<2	<10	700	0.7	<2	2.72	3.3	6	6	882	1.67
101451		4.48	<0.005	<0.2	0.23	<2	<10	1150	<0.5	<2	2.21	<0.5	3	6	292	1.66
101452		5.68	0.020	0.2	0.47	2	<10	970	0.6	<2	2.05	<0.5	8	6	397	3.73
101453		3.48	0.017	0.2	0.38	<2	<10	1520	0.7	<2	2.29	<0.5	6	12	385	2.74
101454		4.36	0.009	<0.2	0.62	<2	<10	280	0.6	<2	1.41	<0.5	6	13	91	2.22
101455		0.30	<0.005	<0.2	0.02	7	<10	50	<0.5	<2	>15	<0.5	<1	2	7	0.10
101456		2.92	0.036	0.3	0.42	2	<10	790	0.6	<2	1.86	<0.5	7	7	224	3.56
101457		2.22	0.075	2.2	0.51	<2	<10	80	0.7	3	2.17	<0.5	11	12	3060	3.50
101458		2.64	0.403	1.1	0.61	2	<10	40	0.8	3	2.12	<0.5	9	7	1520	3.26
101459		3.14	0.351	0.6	0.28	7	<10	20	0.5	2	2.35	<0.5	10	5	723	4.53



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - A  
 Total # of pages : 3 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042106

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
101460		1.54	0.315	0.7	0.46	6	<10	20	0.6	4	1.80	<0.5	9	10	500	3.42
101461		0.72	0.127	1.5	0.43	4	<10	30	0.6	6	2.40	<0.5	17	12	605	3.75
101462		1.90	0.049	0.7	0.97	2	<10	70	0.8	<2	2.32	<0.5	14	31	929	3.54
101463			0.051	0.7	0.92	2	<10	90	0.8	<2	2.35	<0.5	14	34	931	3.45
101464		1.58	0.243	1.4	0.54	3	<10	20	0.7	2	2.22	<0.5	12	10	1380	4.70
101465		1.14	0.073	1.5	0.46	2	<10	90	0.6	3	2.05	<0.5	6	7	1685	2.38



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042106

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	1	10	2	0.01	2	1	1
101420	<10	<1	0.32	10	0.65	323	3	0.04	28	160	12	0.10	<2	3	463	
101421	<10	<1	0.13	10	0.49	367	3	0.02	5	30	30	0.13	7	4	356	
101422	<10	<1	0.48	10	0.70	479	2	0.05	9	30	11	0.23	3	4	440	
101423	<10	<1	0.19	<10	0.14	212	105	0.02	8	210	36	0.88	34	1	184	
101424	<10	<1	0.41	<10	0.45	293	3	0.04	6	70	9	0.12	<2	1	356	
101425	<10	<1	0.38	10	0.47	281	3	0.04	5	70	10	0.11	<2	2	457	
101426	<10	<1	0.36	10	0.52	330	2	0.03	4	40	6	0.10	<2	2	375	
101427	<10	<1	0.24	20	0.24	201	5	0.06	3	70	17	0.13	<2	1	472	
101428	<10	<1	0.41	10	0.74	510	2	0.04	7	210	14	0.08	<2	5	335	
101429	10	<1	0.58	20	0.76	535	2	0.08	8	200	11	0.10	<2	6	466	
101430	<10	<1	0.42	10	0.62	428	2	0.04	6	70	7	0.07	<2	4	272	
101431	<10	<1	0.45	20	0.67	524	2	0.05	8	30	11	0.10	<2	5	391	
101432	<10	<1	0.19	20	0.73	537	1	0.03	7	70	6	0.09	<2	6	354	
101433	10	<1	0.62	10	0.69	443	2	0.05	9	220	7	0.08	<2	3	376	
101434	10	<1	0.41	20	0.54	523	2	0.04	7	690	7	0.07	2	3	347	
101435	<10	<1	0.02	<10	0.66	146	<1	0.01	2	80	2	<0.5	<2	<1	124	
101436	<10	<1	0.42	20	0.66	576	6	0.03	7	470	8	0.06	<2	1	246	
101437	<10	1	0.34	20	0.35	398	6	0.03	5	260	11	0.04	<2	<1	176	
101438	10	<1	0.55	10	0.53	491	7	0.02	7	470	12	0.09	<2	1	550	
101439	<10	<1	0.46	20	0.30	353	5	0.04	4	160	10	0.13	<2	1	733	
101440	<10	<1	0.57	10	0.39	580	12	0.04	11	190	21	0.20	<2	1	807	
101441	10	<1	0.52	10	0.34	866	14	0.04	19	500	24	0.21	2	1	668	
101442	10	<1	0.59	10	0.67	725	2	0.02	10	310	6	0.20	3	2	532	
101443	<10	<1	0.18	<10	0.14	228	110	0.02	8	210	37	0.88	35	1	178	
101444	10	<1	0.34	10	0.33	324	1	0.19	5	170	10	0.09	<2	1	782	
101445	<10	<1	0.27	10	0.26	179	5	0.12	4	250	7	0.10	<2	1	718	
101446	10	<1	0.58	10	0.58	422	7	0.05	10	1500	7	0.13	<2	1	812	
101447	<10	<1	0.31	10	0.29	353	5	0.03	4	1140	16	0.09	<2	1	899	
101448	10	<1	0.36	10	0.45	594	5	0.03	6	350	9	0.11	<2	1	882	
101449	<10	<1	0.24	10	0.42	559	5	0.02	6	380	8	0.10	<2	1	841	
101450	<10	<1	0.32	10	0.41	785	3	0.03	7	810	143	0.33	<2	1	981	
101451	<10	<1	0.18	10	0.12	352	6	0.02	4	250	9	0.11	<2	<1	950	
101452	<10	<1	0.35	10	0.25	626	3	0.03	10	770	24	0.11	<2	1	860	
101453	<10	<1	0.30	10	0.14	507	16	0.02	6	520	24	0.12	<2	<1	949	
101454	10	1	0.45	10	0.47	388	2	0.07	4	850	7	0.05	2	3	612	
101455	<10	1	0.01	<10	0.60	108	<1	<0.01	<1	110	<2	<0.5	<2	<1	100	
101456	<10	<1	0.33	10	0.27	689	6	0.02	10	510	33	0.30	2	<1	920	
101457	<10	<1	0.38	10	0.13	1075	11	0.03	9	770	12	1.00	<2	<1	899	
101458	<10	<1	0.45	10	0.15	1165	9	0.02	9	870	8	1.73	<2	<1	771	
101459	<10	<1	0.22	10	0.13	1235	11	0.01	10	640	12	3.15	<2	<1	619	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042106

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
101460		<10	<1	0.36	10	0.39	6160	9	0.01	11	690	11	2.61	<2	<1	544	
101461		<10	<1	0.34	10	0.64	8180	2	0.01	14	980	35	2.25	<2	1	609	
101462		10	<1	0.34	10	1.09	4950	10	0.02	22	900	15	1.06	<2	4	606	
101463		10	<1	0.27	10	1.13	4930	13	0.02	23	910	12	0.99	<2	4	583	
101464		<10	<1	0.38	10	0.34	3210	5	0.02	11	1120	16	3.46	2	1	654	
101465		<10	<1	0.34	10	0.12	1725	10	0.02	5	770	11	0.80	3	<1	913	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C

Total # of pages : 3 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042106

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
101420		0.03	<10	<10	33	<10	35
101421		<0.01	<10	<10	18	<10	43
101422		0.05	<10	<10	84	<10	46
101423		0.01	<10	<10	10	<10	81
101424		0.05	<10	<10	34	<10	29
101425		0.02	<10	<10	32	<10	28
101426		0.04	<10	<10	36	<10	28
101427		0.01	<10	<10	17	<10	20
101428		0.06	<10	<10	73	<10	41
101429		0.07	<10	<10	81	<10	42
101430		0.05	<10	<10	49	<10	32
101431		0.06	<10	<10	53	<10	39
101432		0.01	<10	<10	38	<10	38
101433		0.11	<10	<10	69	<10	41
101434		0.07	<10	<10	90	<10	42
101435		<0.01	<10	<10	3	<10	2
101436		0.01	<10	<10	27	<10	41
101437		<0.01	<10	<10	30	<10	31
101438		0.03	<10	<10	71	<10	45
101439		0.02	<10	<10	26	<10	32
101440		0.03	<10	<10	124	<10	53
101441		0.03	<10	10	395	<10	98
101442		0.04	<10	<10	150	<10	60
101443		0.01	<10	<10	10	<10	73
101444		0.02	<10	10	43	<10	35
101445		0.03	<10	<10	17	<10	19
101446		0.04	<10	10	171	<10	51
101447		0.01	<10	<10	16	<10	29
101448		0.01	<10	10	42	<10	41
101449		0.01	<10	10	40	<10	41
101450		0.01	<10	10	53	<10	232
101451		<0.01	<10	10	60	<10	39
101452		0.01	<10	10	140	<10	49
101453		<0.01	<10	10	83	<10	41
101454		0.13	<10	10	144	<10	27
101455		<0.01	<10	<10	1	<10	<2
101456		0.01	<10	10	132	<10	72
101457		0.01	<10	10	124	<10	39
101458		0.01	<10	<10	106	<10	23
101459		0.01	<10	10	96	<10	16



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 3 - C

Total # of pages : 3 (A - C)

Date : 27-Oct-2003

Account: SPEGO

Project : Galore Creek

CERTIFICATE OF ANALYSIS

VA03042106

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
101460		0.01	<10	<10	65	<10	25
101461		0.01	<10	10	71	<10	42
101462		0.01	<10	10	83	<10	69
101463		0.01	<10	10	77	<10	69
101464		0.01	<10	<10	105	<10	52
101465		0.01	<10	<10	90	<10	48





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 1  
Date : 27-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03041721

Project : Galore Creek

P.O. No:

This report is for 191 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 16-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

Hole GC 03-441

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100501	2.32	0.047	0.3	1.71	23	<10	770	1.8	<2	3.49	<0.5	9	16	416	3.22
100502	5.10	0.027	0.3	1.40	10	<10	410	1.5	<2	3.36	1.2	8	30	330	3.03
100503	2.30	0.055	0.8	1.56	16	<10	70	2.3	<2	5.12	<0.5	12	28	884	3.53
100504	0.58	0.039	0.5	1.98	9	<10	260	2.3	<2	4.01	<0.5	16	36	414	5.99
100505	3.18	0.029	0.3	1.99	8	<10	320	2.4	<2	3.84	<0.5	12	42	254	2.16
100506	4.44	0.035	0.2	1.51	8	<10	390	1.9	<2	3.44	<0.5	8	29	228	1.78
100507		0.039	0.3	1.55	8	<10	400	1.9	<2	3.51	<0.5	9	25	285	1.82
100508	3.86	0.033	<0.2	1.89	12	<10	330	2.5	<2	3.84	<0.5	10	25	118	2.15
100509	2.24	0.135	1.0	1.53	41	<10	30	2.3	<2	4.83	<0.5	16	19	555	5.67
100510	3.36	0.074	0.9	1.26	20	<10	40	2.4	<2	4.28	0.5	9	24	525	2.40
100511	3.34	0.135	2.9	1.61	26	<10	40	2.1	<2	4.25	1.1	13	20	1870	3.57
100512	5.08	0.049	0.6	1.19	7	<10	260	1.1	<2	2.63	<0.5	10	37	462	3.27
100513	3.32	0.227	3.6	1.22	22	<10	30	1.5	3	3.37	<0.5	14	29	3180	4.69
100514	0.76	2.29	27.8	1.07	4	<10	130	1.1	13	1.68	21.9	14	27	>10000	4.13
100515	0.36	<0.005	<0.2	0.02	2	<10	30	<0.5	<2	>15	<0.5	<1	10	41	0.13
100516	5.02	1.920	8.6	1.42	8	<10	90	1.5	<2	2.79	<0.5	15	23	>10000	5.11
100517	2.10	0.583	2.8	1.27	3	10	60	1.4	4	2.63	<0.5	9	22	4580	3.47
100518	4.74	2.01	7.5	1.69	10	<10	20	1.1	<2	2.50	1.0	19	28	>10000	4.81
100519	0.14	2.70	0.2	1.27	5550	<10	20	<0.5	13	4.46	<0.5	160	28	80	2.80
100520	4.32	0.351	3.1	2.02	7	<10	260	1.5	<2	2.33	<0.5	14	32	2430	4.20
100521	2.18	1.670	8.0	1.80	10	<10	60	1.8	<2	3.27	<0.5	15	34	>10000	4.29
100522	1.06	3.06	24.9	1.78	5	<10	60	1.0	13	2.47	1.1	22	20	>10000	5.64
100523	1.42	0.995	18.8	1.00	10	<10	40	0.5	10	2.95	0.7	13	27	>10000	3.45
100524	3.56	0.190	3.1	1.67	14	<10	30	0.9	4	1.88	0.6	24	46	4350	7.08
100525	3.80	0.154	1.7	2.57	13	<10	30	1.0	<2	1.26	<0.5	18	47	1430	7.63
100526	1.56	0.077	1.6	0.58	13	<10	70	0.7	<2	1.62	<0.5	9	45	1270	2.61
100527		0.074	1.6	0.61	14	<10	80	0.7	<2	1.60	<0.5	9	52	1260	2.60
100528	5.38	0.057	0.8	0.54	<2	<10	520	0.7	<2	1.58	<0.5	7	29	608	2.35
100529	4.96	0.072	1.1	0.51	8	<10	160	0.9	2	1.64	0.6	7	29	415	2.47
100530	5.22	0.073	1.3	0.40	3	<10	170	0.5	3	0.99	3.9	4	45	2110	0.78
100531	5.54	0.133	0.6	0.51	<2	<10	420	<0.5	<2	1.38	0.6	6	23	1590	1.06
100532	4.96	0.771	5.2	0.50	3	<10	130	<0.5	2	1.64	0.5	9	20	7560	1.45
100533	5.96	2.42	22.2	0.75	4	<10	50	<0.5	6	1.38	1.8	10	20	>10000	1.77
100534	2.00	0.496	4.4	0.47	<2	<10	160	<0.5	2	1.74	0.5	5	21	5800	0.81
100535	0.36	<0.005	<0.2	0.02	3	<10	40	<0.5	<2	>15	<0.5	<1	5	58	0.11
100536	4.94	0.270	3.7	0.50	3	<10	430	<0.5	4	1.06	0.8	3	26	4680	0.60
100537	6.08	0.552	5.4	0.82	4	<10	210	<0.5	<2	1.35	0.8	7	19	8960	1.06
100538	5.44	0.539	10.4	1.41	2	<10	270	<0.5	<2	0.88	0.5	12	21	>10000	1.58
100539	0.14	2.94	0.3	1.35	5810	<10	20	<0.5	14	4.77	<0.5	167	30	112	2.98
100540	2.88	0.145	6.7	0.69	6	<10	430	<0.5	6	0.82	<0.5	3	23	4680	0.52

Comments: Highly mineralized samples may bias results for some elements.



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - A  
 Total # of pages: 6 (A - C)  
 Date: 27-Oct-2003  
 Account: SPEGOL

Project: Galore Creek

**CERTIFICATE OF ANALYSIS VA03041721**

Sample Description	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100541	6.16	0.897	9.1	2.01	<2	<10	110	<0.5	2	1.60	<0.5	17	17	>10000	2.27
100542	5.36	2.20	19.3	1.41	2	<10	50	<0.5	9	1.68	1.9	14	8	>10000	1.82
100543	5.60	1.960	12.9	1.12	4	<10	100	<0.5	3	1.26	1.7	10	17	>10000	1.39
100544	4.54	0.120	1.0	0.82	5	<10	860	0.7	<2	1.99	0.8	6	19	2210	0.78
100545	5.66	1.105	12.0	1.25	2	<10	120	0.6	2	1.56	0.6	10	19	>10000	1.34
100546	5.24	1.395	14.0	2.35	2	<10	160	0.7	4	1.62	0.9	17	22	>10000	2.15
100547		1.645	14.0	2.33	5	<10	140	0.7	7	1.65	1.0	17	13	>10000	2.16
100548	5.74	1.555	17.2	2.00	<2	<10	100	0.5	4	2.10	1.5	14	15	>10000	1.81
100549	6.04	1.095	18.7	1.88	<2	10	70	<0.5	8	0.92	1.4	17	15	>10000	1.95
100550	6.58	1.755	16.4	1.66	2	10	190	<0.5	5	1.15	1.7	16	15	>10000	1.80
100551	5.38	2.08	13.0	1.38	3	<10	160	0.5	7	1.50	1.7	11	25	>10000	2.12
100552	7.28	<0.005	0.2	2.06	<2	<10	210	0.5	<2	1.36	<0.5	9	55	720	3.82
100553	6.18	0.014	<0.2	2.07	<2	<10	230	0.5	<2	1.36	<0.5	9	38	824	3.94
100554	6.86	0.053	0.7	1.75	<2	<10	210	0.8	2	1.82	<0.5	11	33	1580	2.57
100555	0.44	0.007	<0.2	0.02	3	<10	30	<0.5	<2	>15	<0.5	<1	12	78	0.11
100556	4.26	0.026	<0.2	1.90	3	<10	170	0.9	<2	1.86	<0.5	10	22	535	2.66
100557	6.32	0.109	0.8	2.26	<2	<10	180	1.2	<2	1.56	<0.5	11	22	2130	2.67
100558	6.18	0.951	13.1	2.56	<2	<10	120	0.6	5	1.62	1.2	23	23	>10000	2.48
100559	0.10	0.024	19.3	0.44	13	<10	150	<0.5	6	1.07	<0.5	4	47	6460	1.42
100560	2.24	0.081	3.2	1.91	<2	<10	310	0.8	<2	1.52	0.5	20	19	5100	2.88
100561	2.20	0.272	10.0	1.75	4	<10	140	0.7	4	1.52	0.7	16	16	8590	2.10
100562	2.98	0.786	11.8	2.18	2	<10	320	1.0	<2	2.03	1.7	17	18	>10000	1.58
100563	2.50	1.140	11.1	1.79	2	<10	280	0.8	2	0.63	2.4	7	23	>10000	1.12
100564	4.26	1.205	3.0	3.95	<2	<10	550	1.7	<2	1.00	0.9	14	18	6810	1.44
100565	4.52	0.309	1.7	2.87	<2	<10	460	1.0	<2	1.30	0.6	17	21	4810	1.64
100566	3.22	1.085	20.6	2.17	<2	10	110	0.7	10	1.60	1.3	18	10	>10000	2.21
100567		1.160	20.2	2.19	<2	<10	110	0.7	12	1.61	1.4	19	13	>10000	2.20
100568	4.82	0.299	4.0	2.67	2	<10	460	0.8	6	1.02	<0.5	25	22	6570	1.99
100569	5.84	0.457	2.1	3.31	2	<10	380	1.0	<2	0.82	<0.5	27	17	4830	1.86
100570	7.22	0.472	18.7	2.85	<2	<10	220	0.7	2	1.41	<0.5	21	19	7060	2.04
100571	5.82	0.062	1.1	2.08	<2	<10	880	0.7	<2	1.88	<0.5	14	19	1725	1.97
100572	5.76	0.026	<0.2	2.07	2	<10	470	0.5	<2	2.36	<0.5	13	15	2040	1.60
100573	6.44	0.993	2.9	2.89	<2	<10	470	1.1	2	0.94	0.5	13	20	5310	1.90
100574	5.82	0.058	0.2	2.90	<2	<10	190	2.0	<2	1.45	<0.5	9	30	1320	1.89
100575	0.46	0.008	<0.2	0.04	2	<10	60	<0.5	<2	>15	<0.5	1	13	45	0.12
100576	5.72	0.166	1.0	2.11	2	<10	180	1.3	<2	1.74	<0.5	10	29	2260	2.86
100577	5.74	0.078	0.6	1.80	8	<10	230	1.1	2	2.91	0.6	11	22	1635	3.26
100578	8.10	0.054	<0.2	1.67	3	<10	320	1.0	<2	2.75	<0.5	10	24	703	3.09
100579	0.10	0.031	18.6	0.45	11	<10	140	<0.5	<2	1.10	<0.5	4	48	6540	1.45
100580	7.08	0.047	0.3	1.76	2	<10	290	1.0	<2	2.33	<0.5	9	30	969	2.88

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 BI ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100581		7.52	0.070	0.5	2.52	2	<10	160	1.4	<2	1.61	<0.5	10	35	1510	2.54
100582		6.02	0.019	<0.2	2.72	4	<10	170	1.3	<2	2.22	<0.5	9	29	252	2.84
100583		5.34	0.011	<0.2	2.37	4	<10	160	1.3	<2	2.08	<0.5	10	30	339	2.73
100584		3.90	0.094	0.9	1.58	4	<10	460	1.0	<2	2.28	0.6	8	24	1460	2.19
100585		5.12	0.323	2.3	1.34	2	10	240	0.8	<2	2.48	0.5	9	21	3010	1.60
100586		7.12	0.067	1.0	1.58	5	<10	240	1.0	<2	2.21	0.7	9	24	1660	1.86
100587			0.084	1.2	1.61	6	<10	310	1.0	<2	2.30	0.8	9	26	1575	1.85
100588		6.02	0.028	<0.2	1.75	3	<10	570	1.0	<2	2.32	<0.5	9	21	537	2.26
100589		4.98	0.030	<0.2	1.63	2	<10	480	1.0	<2	2.13	<0.5	9	22	524	2.26
100590		6.30	0.047	<0.2	1.59	3	<10	1270	1.1	<2	2.53	<0.5	7	23	255	2.12
100591		7.70	0.058	<0.2	1.73	6	<10	1180	1.3	2	2.41	<0.5	9	22	538	2.41
100592		7.52	0.089	1.4	1.78	3	<10	430	1.6	<2	1.88	1.1	8	35	963	2.55
100593		6.74	0.043	0.5	1.74	2	<10	940	1.1	<2	2.20	0.6	9	24	464	2.20
100594		6.64	0.059	0.8	1.50	<2	<10	990	1.1	<2	1.80	<0.5	9	24	772	2.09
100595		0.70	<0.005	<0.2	0.02	6	<10	40	<0.5	<2	>15.0	<0.5	1	6	7	0.14
100596		7.44	0.022	0.4	1.93	<2	<10	330	2.1	<2	1.75	0.5	8	24	330	2.60
100597		5.72	0.037	0.5	0.82	4	<10	480	1.1	<2	2.25	<0.5	6	28	346	2.39
100598		6.48	0.038	0.4	1.06	4	<10	400	1.4	<2	2.26	<0.5	7	27	196	2.48
100599		5.90	0.029	0.4	1.15	3	<10	400	1.4	<2	1.90	<0.5	7	24	372	2.45
100600		0.10	0.026	18.0	0.44	13	<10	150	<0.5	5	1.06	<0.5	4	48	6500	1.39
100601		6.82	0.029	0.4	0.89	<2	<10	550	1.4	<2	2.87	<0.5	7	21	447	2.62
100602		6.50	0.021	0.4	1.10	<2	<10	480	1.6	<2	2.95	<0.5	7	21	287	2.41
100603		6.44	0.023	0.5	1.18	<2	<10	160	1.5	<2	3.06	1.0	7	22	339	2.40
100604		6.24	0.030	0.6	1.35	4	<10	230	1.7	<2	3.22	0.8	7	23	463	2.58
100605		6.18	0.031	0.8	1.34	<2	<10	210	1.6	<2	3.34	<0.5	7	29	571	2.42
100606		6.24	0.029	0.2	1.06	4	<10	40	1.2	<2	4.62	<0.5	6	27	183	1.98
100607			0.031	0.2	1.08	2	<10	50	1.3	<2	4.85	<0.5	6	22	181	2.08
100608		6.84	0.036	0.2	0.82	6	<10	30	0.8	<2	5.27	<0.5	7	28	87	1.87
100609		6.22	0.032	<0.2	0.81	2	<10	50	1.1	<2	3.83	<0.5	6	22	293	1.91
100610		6.42	0.023	0.4	1.43	5	10	70	1.4	<2	4.43	<0.5	6	21	125	1.82
100611		6.78	0.018	0.3	1.70	2	10	90	1.3	<2	4.25	1.2	7	34	127	1.99
100612		6.58	0.014	0.4	2.26	2	<10	270	1.4	<2	3.67	2.4	8	35	177	2.33
100613		6.70	0.022	0.6	1.94	2	<10	140	1.1	<2	3.63	<0.5	10	40	354	2.80
100614		6.68	0.028	1.0	2.01	<2	<10	120	1.3	<2	4.02	1.5	8	36	463	2.36
100615		0.38	0.005	<0.2	0.02	3	<10	30	<0.5	<2	>15.0	<0.5	<1	11	5	0.11
100616		6.56	0.016	0.3	2.16	5	10	70	1.6	<2	3.98	<0.5	5	26	280	1.88
100617		6.52	0.026	0.8	2.06	3	<10	110	1.4	<2	4.56	2.1	7	30	245	2.35
100618		6.36	0.013	0.6	2.13	2	<10	210	1.2	<2	3.99	<0.5	8	36	298	2.30
100619		0.14	0.509	0.6	0.97	3850	40	20	<0.5	22	5.85	0.9	113	12	123	3.47
100620		6.56	0.015	<0.2	2.98	3	<10	240	1.6	<2	3.76	<0.5	8	35	147	2.41

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100621		6.74	0.017	0.3	2.66	<2	<10	140	1.5	<2	3.81	<0.5	8	56	153	2.39
100622		6.28	0.016	0.5	2.36	<2	<10	140	1.3	<2	3.95	<0.5	7	28	180	2.41
100623		6.34	0.010	<0.2	2.63	<2	<10	220	1.6	<2	3.95	<0.5	8	44	139	2.41
100624		6.10	0.015	<0.2	3.20	4	<10	200	2.4	<2	3.43	<0.5	7	50	97	2.47
100625		6.00	0.013	0.3	3.29	<2	<10	190	2.1	<2	3.70	0.7	8	42	141	2.43
100626		6.12	0.011	<0.2	3.28	<2	<10	210	2.2	<2	3.87	0.5	8	82	107	2.60
100627			0.011	0.2	3.26	3	<10	210	2.2	<2	3.85	0.6	8	45	116	2.52
100628		6.50	0.017	0.4	2.95	3	<10	220	1.8	<2	3.69	1.2	8	62	252	2.45
100629		6.56	0.011	<0.2	2.79	2	<10	260	1.4	<2	3.96	<0.5	7	38	112	2.40
100630		6.76	0.006	0.2	2.62	3	<10	210	1.6	<2	4.06	<0.5	8	42	171	2.61
100631		6.04	0.012	0.2	2.87	3	<10	180	2.0	<2	4.11	<0.5	8	54	137	2.52
100632		6.14	0.016	0.2	2.50	5	<10	250	1.4	<2	3.72	<0.5	8	40	173	2.38
100633		6.48	0.010	0.2	3.25	<2	<10	190	2.0	<2	3.47	1.1	8	44	126	2.52
100634		6.70	0.012	0.2	3.25	3	<10	180	2.2	<2	3.33	<0.5	8	55	113	2.58
100635		0.52	<0.005	<0.2	0.05	4	<10	60	<0.5	<2	>15.0	<0.5	<1	6	10	0.13
100636		6.06	0.016	0.2	3.19	5	<10	150	2.1	<2	3.03	0.5	8	41	133	2.52
100637		6.08	0.009	<0.2	2.90	4	<10	210	1.7	<2	3.44	<0.5	8	51	107	2.49
100638		6.18	0.014	<0.2	2.21	5	<10	180	1.2	<2	4.05	0.5	8	48	183	2.26
100639		0.10	0.021	18.7	0.45	13	<10	150	<0.5	2	1.06	<0.5	4	49	6650	1.40
100640		6.16	0.009	<0.2	2.80	3	<10	220	2.0	<2	3.51	<0.5	9	48	189	2.55
100641		6.18	0.012	0.3	3.05	3	<10	170	1.7	<2	3.49	0.5	9	42	279	2.42
100642		3.94	0.040	1.1	3.58	4	<10	40	1.1	<2	3.75	0.6	12	36	757	2.60
100643		4.46	0.046	0.8	3.26	3	<10	60	0.8	<2	3.15	0.5	10	37	901	2.41
100644		4.18	0.024	0.5	2.44	<2	<10	40	<0.5	<2	5.52	<0.5	5	38	581	1.76
100645		3.96	0.021	1.4	2.20	<2	<10	30	<0.5	2	6.19	3.7	8	28	781	1.64
100646		4.28	0.021	0.7	1.27	<2	<10	30	<0.5	2	5.14	<0.5	9	24	807	1.96
100647			0.020	0.6	1.24	<2	<10	30	<0.5	<2	5.36	<0.5	9	23	836	1.96
100648		4.28	0.080	2.7	1.01	2	<10	20	<0.5	<2	4.95	1.6	14	31	3010	2.60
100649		4.52	0.151	4.4	1.71	4	<10	20	<0.5	<2	4.85	2.5	18	34	4750	4.63
100650		4.18	0.064	1.6	1.63	<2	<10	30	0.7	<2	4.65	0.8	15	41	1885	3.66
100651		3.88	0.007	<0.2	1.18	3	<10	50	0.7	<2	4.03	<0.5	11	40	119	2.79
100652		4.18	0.092	2.6	1.41	6	<10	30	0.7	<2	3.77	1.1	43	40	2330	4.13
100653		4.38	0.523	9.9	1.64	12	<10	20	0.5	<2	3.69	4.6	127	51	8360	6.29
100654		3.50	0.185	6.9	1.63	6	<10	20	<0.5	<2	3.02	3.8	112	58	6270	5.42
100655		0.40	0.010	<0.2	0.03	6	<10	60	<0.5	<2	>15.0	<0.5	1	9	66	0.19
100656		4.74	0.120	7.1	1.69	7	<10	20	<0.5	<2	4.01	4.5	85	23	5440	5.27
100657		4.40	0.135	6.5	1.51	7	<10	20	<0.5	<2	3.99	3.5	87	25	5630	4.84
100658		3.96	0.082	6.1	1.74	11	10	20	0.5	<2	4.04	3.2	77	23	6090	4.85
100659		0.14	0.513	0.3	0.91	3460	40	20	<0.5	19	6.02	0.5	105	13	130	3.30
100660		4.40	0.117	5.9	1.96	9	<10	20	<0.5	<2	3.49	2.5	117	53	6250	5.36

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100661		4.52	0.130	5.2	2.51	7	<10	20	<0.5	<2	3.42	2.9	112	45	5830	4.90
100662		4.12	0.196	7.9	1.87	7	<10	20	<0.5	2	3.79	5.0	79	21	9120	3.24
100663		4.54	0.146	6.7	2.70	4	<10	20	<0.5	<2	3.77	4.1	103	45	8450	2.93
100664		4.02	0.177	4.3	2.07	7	<10	30	<0.5	3	5.59	2.4	182	29	4920	3.14
100665		4.36	0.102	8.4	1.53	9	<10	30	<0.5	3	6.02	3.0	136	41	6430	3.51
100666		4.50	0.187	12.8	1.59	10	<10	20	<0.5	2	5.54	5.7	85	37	>10000	3.82
100667			0.178	12.9	1.54	7	<10	20	<0.5	5	5.55	6.0	85	35	>10000	3.80
100668		4.62	0.244	10.2	1.79	19	<10	20	<0.5	<2	5.34	5.0	188	27	8020	5.66
100669		4.46	0.180	12.8	1.39	22	<10	20	<0.5	5	4.68	13.4	136	56	9610	6.54
100670		4.34	0.229	8.2	1.59	13	<10	30	<0.5	3	5.70	5.3	130	32	8300	4.23
100671		4.58	0.307	7.9	2.08	15	<10	20	<0.5	<2	4.09	3.2	184	53	8620	6.46
100672		5.96	0.258	8.3	1.60	9	<10	20	<0.5	<2	4.56	3.5	130	51	9110	5.22
100673		3.08	0.267	8.7	1.10	13	<10	20	<0.5	7	4.63	4.3	172	33	>10000	4.83
100674		4.34	0.357	15.9	1.05	14	<10	30	<0.5	4	4.05	12.8	174	42	>10000	4.07
100675		0.42	<0.005	<0.2	0.02	2	<10	40	<0.5	<2	>15.0	<0.5	1	6	143	0.11
100676		4.20	0.341	10.5	1.30	13	<10	20	<0.5	2	3.32	4.6	198	33	>10000	4.13
100677		4.64	0.894	15.2	1.80	11	<10	30	<0.5	7	2.75	8.9	78	33	>10000	4.30
100678		4.28	0.344	20.6	2.04	8	<10	20	<0.5	3	2.56	9.4	80	36	>10000	4.28
100679		0.10	0.030	19.6	0.43	15	<10	140	<0.5	3	1.06	0.5	4	49	6730	1.40
100680		4.26	0.316	14.2	1.94	9	<10	20	<0.5	4	3.32	7.5	90	37	>10000	3.90
100681		4.38	0.156	11.8	1.55	14	<10	30	<0.5	8	4.53	6.9	178	28	>10000	3.52
100682		4.68	0.209	11.3	1.77	11	<10	20	<0.5	<2	4.04	5.6	157	22	>10000	3.89
100683		4.64	0.164	14.0	1.72	10	<10	20	<0.5	<2	5.64	9.2	114	17	>10000	3.54
100684		4.34	0.153	20.2	1.34	6	<10	20	<0.5	6	4.19	6.3	61	32	>10000	3.15
100685		3.82	0.160	16.2	1.31	7	<10	20	<0.5	4	4.88	6.3	56	24	>10000	2.99
100686		4.50	0.229	13.4	2.04	8	<10	30	<0.5	4	3.82	7.4	65	32	>10000	3.24
100687			0.222	13.9	2.04	6	<10	20	<0.5	5	3.87	7.5	66	34	>10000	3.30
100688		3.90	0.276	13.5	1.88	9	<10	20	<0.5	7	4.22	7.4	66	26	>10000	3.33
100689		4.64	0.195	13.6	1.63	6	<10	20	<0.5	4	5.58	7.9	55	22	>10000	3.16
100690		4.42	0.096	13.6	1.23	3	<10	30	<0.5	4	4.13	8.4	44	27	>10000	2.40
100691		2.88	0.129	9.9	1.32	6	<10	30	0.5	<2	4.34	5.1	47	24	9940	1.98

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - B  
Total # of pages : 6 (A - C)  
Date : 27-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100501		10	<1	1.19	10	0.90	1825	<1	0.04	5	880	110	0.15	<2	2	242
100502		10	<1	0.91	10	0.73	1820	3	0.03	4	1180	182	0.40	3	4	246
100503		10	<1	0.98	30	1.13	2440	5	0.02	4	2200	25	1.37	<2	5	241
100504		20	<1	1.12	30	1.49	2770	<1	0.03	6	1990	12	0.27	3	5	302
100505		10	<1	1.23	30	1.47	2040	<1	0.05	5	1700	13	0.05	<2	6	364
100506		10	<1	0.97	20	0.85	1505	<1	0.04	3	1530	18	0.11	<2	3	293
100507		10	<1	0.98	20	0.87	1520	<1	0.04	3	1580	18	0.14	2	4	298
100508		10	<1	1.32	30	1.25	2060	<1	0.03	3	1890	12	0.14	<2	5	379
100509		20	<1	1.34	30	1.13	3260	<1	0.03	6	4390	27	2.95	2	4	350
100510		10	<1	0.97	20	0.75	2240	<1	0.03	3	1630	76	2.07	<2	3	358
100511		20	<1	1.33	30	1.19	2820	<1	0.02	5	2710	121	2.55	<2	4	326
100512		10	<1	0.93	20	1.05	1435	<1	0.06	6	1610	13	0.44	<2	9	369
100513		10	<1	0.99	40	0.87	2260	2	0.03	5	4480	20	3.57	2	3	260
100514		10	<1	0.77	10	0.61	1435	1	0.02	4	1100	3910	2.31	<2	3	203
100515		<10	1	0.01	<10	0.46	125	<1	<0.01	<1	80	4	0.01	<2	<1	98
100516		10	<1	0.89	20	0.85	1715	<1	0.03	5	1550	42	1.56	<2	4	253
100517		10	<1	0.74	10	0.45	1170	2	0.04	3	1630	15	1.17	<2	1	279
100518		20	<1	1.31	10	1.14	1320	1	0.03	7	1760	69	3.41	<2	4	234
100519		10	<1	0.04	<10	0.20	520	4	0.09	30	1050	6	0.52	6	2	94
100520		20	<1	1.44	10	1.33	2300	<1	0.03	4	1220	29	0.31	4	7	301
100521		20	<1	1.21	20	1.31	2240	1	0.04	5	1530	27	1.34	2	7	367
100522		20	<1	1.43	10	1.34	1805	<1	0.02	8	1520	35	1.75	2	5	868
100523		10	<1	0.79	20	1.34	1875	25	0.02	5	1530	82	1.95	2	7	1550
100524		10	<1	1.02	10	1.46	1995	9	0.01	4	1280	21	4.40	2	7	3230
100525		20	<1	1.96	20	1.67	3560	<1	0.01	4	1130	6	4.84	<2	8	4150
100526		10	<1	0.33	20	0.62	1335	9	0.02	3	730	98	1.29	<2	4	2600
100527		10	<1	0.37	20	0.61	1305	11	0.02	4	710	84	1.31	<2	4	2470
100528		10	<1	0.39	20	0.56	1205	<1	0.02	2	830	45	0.49	<2	4	1645
100529		10	<1	0.43	10	0.60	1390	8	0.03	3	900	69	0.91	3	4	1645
100530		<10	<1	0.30	<10	0.37	813	14	0.01	2	720	249	0.50	<2	1	2250
100531		10	<1	0.37	<10	0.60	810	<1	0.03	3	1050	27	0.26	<2	3	1785
100532		10	<1	0.40	<10	0.93	957	<1	0.02	4	900	13	0.61	<2	6	1720
100533		10	<1	0.62	<10	0.83	812	20	0.03	5	880	70	1.43	6	4	1570
100534		<10	<1	0.37	10	0.45	683	<1	0.03	2	740	17	0.59	<2	2	2090
100535		<10	1	0.02	<10	0.53	109	<1	<0.01	<1	70	<2	0.01	<2	<1	109
100536		<10	<1	0.39	10	0.28	571	5	0.03	2	1060	25	0.48	3	1	1940
100537		10	<1	0.67	10	0.66	842	<1	0.04	4	670	42	0.64	2	1	1705
100538		10	<1	1.16	10	1.21	1045	<1	0.04	5	850	31	0.70	<2	3	1595
100539		10	<1	0.04	<10	0.21	557	4	0.09	32	1110	7	0.54	8	2	106
100540		<10	<1	0.52	10	0.28	487	3	0.04	2	970	23	0.44	2	1	1680

Comments: Highly mineralized samples may bias results for some elements.



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - B  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS VA03041721**

Sample Description	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100541	20	<1	1.84	10	1.87	1245	<1	0.05	7	2220	18	0.83	2	5	1470
100542	10	<1	1.16	10	1.03	811	18	0.05	6	1510	41	1.42	<2	3	1695
100543	10	<1	0.93	10	1.00	1240	7	0.04	5	880	67	1.02	2	3	1575
100544	10	<1	0.62	10	0.74	1520	<1	0.03	3	660	71	0.27	9	1	1520
100545	10	<1	0.89	10	0.94	1020	9	0.03	6	550	47	0.79	5	3	1130
100546	20	<1	1.51	10	1.52	1170	1	0.18	7	470	47	0.97	6	4	792
100547	20	<1	1.51	10	1.52	1175	1	0.18	6	410	47	0.95	5	4	797
100548	10	1	1.10	10	1.04	950	2	0.28	5	620	41	1.17	2	3	1225
100549	10	<1	1.29	10	1.13	716	9	0.22	4	1120	40	1.30	<2	3	1390
100550	10	<1	1.27	10	1.23	778	3	0.05	4	1680	61	1.21	2	3	611
100551	10	<1	0.95	10	0.83	776	3	0.06	3	1260	49	1.02	3	3	230
100552	10	<1	1.12	10	1.10	1005	<1	0.10	2	1460	22	0.08	<2	3	339
100553	20	<1	1.27	<10	1.17	1095	<1	0.09	2	1470	14	0.11	2	3	251
100554	10	<1	1.03	10	0.86	968	<1	0.10	3	1080	19	0.16	3	4	991
100555	<10	<1	0.01	<10	0.68	133	<1	<0.01	1	110	<2	0.01	<2	<1	96
100556	10	<1	1.06	10	0.84	942	3	0.11	3	1090	34	0.08	<2	4	806
100557	10	<1	0.95	10	0.82	863	4	0.42	3	1030	18	0.15	<2	4	671
100558	10	<1	1.77	10	1.78	1145	13	0.27	5	1430	32	0.93	<2	4	1110
100559	<10	<1	0.18	<10	0.14	215	93	0.02	8	220	38	0.91	34	1	190
100560	10	1	1.46	10	1.26	1305	6	0.03	4	990	29	0.65	<2	4	993
100561	10	1	1.34	10	1.17	1415	5	0.03	3	780	24	0.67	8	3	1325
100562	10	<1	1.16	10	1.03	1575	3	0.48	2	200	59	0.95	3	2	1080
100563	<10	<1	0.52	<10	0.35	353	5	0.75	2	170	80	0.98	<2	1	1295
100564	10	<1	1.18	<10	1.13	922	7	2.13	3	310	42	0.46	<2	2	1635
100565	10	<1	1.44	10	1.33	1285	9	0.89	3	400	26	0.45	<2	3	1235
100566	10	<1	1.62	10	1.38	1845	2	0.04	4	720	34	1.12	<2	4	1905
100567	10	<1	1.65	10	1.38	1855	2	0.04	5	710	36	1.16	<2	4	1910
100568	10	1	1.57	10	1.45	1445	4	0.61	2	630	16	0.61	<2	3	1075
100569	10	<1	1.51	<10	1.51	1060	2	1.36	2	650	13	0.39	<2	3	1000
100570	10	1	1.48	10	1.48	1175	3	1.02	1	680	14	0.59	<2	3	1285
100571	10	<1	1.10	10	1.15	1750	3	0.31	2	700	30	0.29	<2	3	1765
100572	10	<1	1.46	10	1.29	1525	6	0.16	2	620	32	0.33	<2	3	2200
100573	10	<1	1.47	10	1.39	1120	6	0.88	3	580	21	0.52	<2	4	1305
100574	10	1	0.91	10	0.87	972	5	1.56	2	610	31	0.21	<2	3	841
100575	<10	<1	0.02	<10	0.50	118	<1	0.01	<1	80	<2	0.01	<2	<1	112
100576	10	1	1.02	10	0.83	1180	3	0.60	3	1080	20	0.24	<2	4	849
100577	10	<1	1.32	10	0.97	2500	76	0.04	2	1140	85	1.19	<2	5	1890
100578	10	<1	1.20	10	0.90	1390	4	0.05	4	1280	17	0.15	<2	6	1050
100579	<10	<1	0.18	<10	0.14	221	106	0.02	7	220	39	0.92	28	1	200
100580	10	<1	1.08	10	0.81	1250	2	0.21	3	1100	28	0.16	<2	5	996

Comments: Highly mineralized samples may bias results for some elements.





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	NI ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
100581		10	<1	0.92	10	0.75	1035	5	0.93	3	1000	18	0.23	<2	4	699
100582		10	1	1.02	10	0.77	1080	7	0.79	3	1050	70	0.09	<2	4	859
100583		10	1	0.99	10	0.76	1090	4	0.54	2	1010	50	0.09	<2	4	863
100584		10	<1	0.84	10	0.72	1525	11	0.24	2	1030	34	0.39	<2	4	1460
100585		10	<1	1.03	10	0.83	1300	5	0.03	3	1060	53	0.40	<2	3	2140
100586		10	<1	1.15	10	0.81	2110	3	0.02	3	1060	86	0.47	<2	3	2070
100587		10	1	1.17	10	0.82	1980	1	0.02	3	1050	76	0.43	<2	3	2000
100588		10	<1	1.31	10	0.84	1725	4	0.03	4	900	26	0.31	<2	3	1870
100589		10	<1	1.21	20	0.90	2720	8	0.03	2	890	53	0.36	<2	3	2250
100590		10	<1	1.15	20	0.77	4180	4	0.03	3	740	32	0.23	<2	3	2480
100591		10	<1	1.12	20	0.89	3850	1	0.18	3	830	90	0.23	<2	3	2390
100592		20	<1	1.18	20	0.75	2320	26	0.12	3	950	200	0.36	<2	4	1830
100593		20	<1	1.31	20	0.87	2450	<1	0.06	4	780	37	0.23	2	3	2240
100594		10	<1	1.15	20	0.85	2030	<1	0.03	3	750	15	0.27	2	3	2080
100595		<10	<1	0.01	<10	0.44	149	<1	<0.01	<1	80	<2	0.01	<2	<1	107
100596		20	<1	0.94	20	0.68	1425	<1	0.56	2	1040	77	0.10	<2	4	1490
100597		10	<1	0.60	30	0.60	1765	9	0.03	3	1050	25	0.47	<2	3	1995
100598		10	<1	0.69	30	0.62	1850	<1	0.04	2	1010	30	0.46	<2	3	1600
100599		10	<1	0.71	20	0.60	1300	<1	0.11	2	1000	24	0.21	<2	4	1480
100600		<10	<1	0.19	<10	0.14	225	96	0.02	8	210	38	0.89	32	1	180
100601		10	<1	0.65	30	0.64	1240	<1	0.05	2	980	45	0.53	2	4	1670
100602		10	<1	0.69	20	0.59	1065	3	0.08	2	1000	32	0.69	3	4	1590
100603		10	<1	0.83	20	0.57	1395	5	0.06	2	990	81	1.30	<2	3	1690
100604		20	<1	0.91	20	0.59	1720	<1	0.10	2	980	91	1.26	2	4	1745
100605		20	<1	0.91	20	0.58	1550	5	0.07	2	1000	90	1.50	2	3	1545
100606		10	<1	0.84	20	0.57	1350	<1	0.03	2	960	16	2.71	<2	3	1930
100607		10	<1	0.87	20	0.59	1420	<1	0.03	2	950	17	2.78	<2	3	2010
100608		10	<1	0.64	20	0.62	1505	19	0.03	2	920	23	3.81	2	3	2190
100609		10	<1	0.57	30	0.61	1990	<1	0.04	2	800	32	1.81	<2	3	2010
100610		10	<1	1.01	40	0.66	2180	<1	0.03	3	700	61	1.40	<2	3	1965
100611		10	<1	1.18	20	0.72	2470	<1	0.04	3	690	99	1.17	<2	3	2000
100612		20	<1	1.34	10	0.79	2970	<1	0.26	3	700	317	1.45	2	4	1530
100613		10	<1	1.15	10	0.78	1830	4	0.24	4	1040	106	1.89	<2	4	966
100614		20	<1	1.35	10	0.74	2450	<1	0.10	3	770	178	1.83	3	4	1760
100615		<10	1	0.01	<10	0.41	116	<1	<0.01	1	90	<2	0.01	<2	<1	99
100616		20	<1	1.63	70	1.14	1690	<1	0.05	4	690	17	1.69	<2	3	3180
100617		20	<1	1.26	20	0.72	2610	22	0.22	4	720	236	1.68	<2	4	2130
100618		10	<1	1.15	10	0.62	2140	4	0.36	4	700	294	1.30	2	4	1480
100619		<10	<1	0.04	10	0.21	614	36	0.07	31	1310	18	1.50	10	1	94
100620		20	<1	1.20	10	0.74	2260	<1	0.99	4	720	187	1.19	<2	5	1535

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 5 - B  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100621		20	<1	1.19	10	0.68	2050	<1	0.64	4	710	126	1.35	<2	4	1570
100622		10	<1	1.22	10	0.66	1555	2	0.54	4	720	78	1.20	2	4	1700
100623		20	<1	1.14	10	0.69	1485	6	0.84	4	720	68	1.44	<2	5	1790
100624		20	<1	1.18	10	0.75	1670	<1	1.45	4	690	57	1.03	<2	5	1320
100625		20	<1	1.11	10	0.74	1765	<1	1.52	5	740	145	1.18	<2	5	1435
100626		20	<1	1.05	10	0.73	1830	<1	1.75	5	750	101	1.16	<2	5	1490
100627		20	<1	1.05	10	0.72	1775	<1	1.74	4	720	115	1.20	<2	5	1505
100628		20	<1	1.07	10	0.68	1655	3	1.41	5	690	235	1.09	<2	5	1425
100629		20	<1	1.09	10	0.72	1620	2	0.77	4	700	64	0.94	<2	5	1550
100630		20	<1	1.32	10	0.81	2030	13	0.57	4	720	108	1.06	<2	5	1430
100631		20	<1	1.15	10	0.82	1710	4	1.28	6	700	73	1.47	<2	5	1650
100632		20	<1	1.15	10	0.76	1450	7	0.88	5	690	130	0.89	<2	5	1555
100633		20	<1	1.08	10	0.72	1335	<1	1.75	5	730	164	1.05	<2	5	1465
100634		20	<1	1.12	10	0.72	1260	<1	1.83	5	720	49	1.02	<2	6	1320
100635		<10	1	0.03	<10	0.48	134	<1	0.02	1	100	<2	0.03	2	<1	120
100636		20	<1	1.15	10	0.72	1155	<1	1.53	5	740	84	0.76	<2	5	1040
100637		20	<1	1.20	10	0.70	1145	<1	0.95	5	790	100	0.66	<2	5	1340
100638		10	<1	1.09	10	0.71	1255	<1	0.44	4	690	68	0.83	<2	4	1630
100639		<10	<1	0.20	<10	0.14	220	97	0.02	7	210	36	0.90	34	1	182
100640		20	<1	1.05	10	0.67	1290	<1	1.11	4	740	65	1.08	<2	5	1390
100641		20	<1	1.14	10	0.74	1445	<1	1.35	4	680	56	1.64	<2	5	1840
100642		20	<1	1.33	10	0.91	1360	6	1.06	5	760	36	2.61	2	4	2800
100643		20	<1	1.17	10	0.78	1180	4	1.40	4	630	24	2.23	<2	4	2350
100644		10	<1	1.02	<10	0.73	971	87	1.03	2	420	19	4.37	<2	1	4130
100645		10	<1	0.89	10	0.63	1060	27	0.99	1	470	654	5.01	<2	1	3800
100646		10	<1	0.96	10	0.58	1050	10	0.04	1	480	20	3.74	<2	1	4060
100647		10	<1	0.95	10	0.57	1050	8	0.03	1	520	19	3.96	3	1	3970
100648		10	<1	0.76	10	0.60	1180	8	0.03	1	800	32	4.23	2	1	3260
100649		20	<1	1.37	10	0.91	1605	5	0.03	1	1150	33	5.26	<2	1	2750
100650		10	<1	1.15	10	0.81	1695	<1	0.10	3	1320	48	3.35	<2	5	1915
100651		10	<1	0.84	10	0.78	1215	2	0.06	4	1180	22	1.91	<2	5	1095
100652		10	<1	1.05	10	0.78	1005	18	0.05	3	1440	30	3.14	<2	5	1175
100653		10	<1	1.23	20	0.69	1670	17	0.04	2	1780	123	4.01	2	1	1800
100654		10	<1	1.18	20	0.65	967	8	0.03	2	1330	56	5.37	2	1	1240
100655		<10	<1	0.03	<10	0.57	120	<1	0.01	1	120	<2	0.06	<2	<1	110
100656		10	<1	1.31	10	0.69	1445	6	0.03	1	1130	166	4.69	2	1	2040
100657		10	<1	1.10	10	0.56	1185	2	0.03	2	1300	68	5.93	<2	1	2020
100658		10	<1	1.12	10	0.61	1510	15	0.04	1	1160	67	5.36	<2	1	2230
100659		10	<1	0.03	10	0.20	582	33	0.07	29	1150	14	1.28	8	1	85
100660		10	<1	1.32	10	0.72	912	69	0.20	2	1290	20	4.94	<2	1	2030

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
	100661		20	<1	1.41	10	0.81	1205	19	0.38	1	1150	47	4.39	<2	1
100662		10	<1	1.12	10	0.64	987	29	0.23	1	1180	43	3.80	2	1	2570
100663		10	<1	1.17	10	0.82	1110	52	0.61	2	1200	24	3.66	<2	1	2440
100664		10	<1	1.19	10	0.71	994	2	0.28	1	1080	126	5.15	<2	1	3080
100665		10	<1	1.17	10	0.69	1675	1	0.02	2	1020	238	4.39	<2	1	3200
100666		10	<1	1.22	10	0.73	1610	33	0.02	2	1160	67	5.17	3	1	2720
100667		10	<1	1.18	10	0.72	1585	31	0.02	2	1160	67	5.22	<2	1	2620
100668		20	<1	1.34	20	0.82	2130	<1	0.02	2	1400	317	5.37	2	1	2680
100669		20	<1	1.08	20	1.01	2440	15	0.03	2	1910	60	6.09	5	1	1890
100670		10	<1	1.22	20	0.77	1470	29	0.03	1	1650	84	5.24	3	1	2800
100671		20	<1	1.52	20	0.84	1395	<1	0.03	1	1650	19	6.83	<2	1	1765
100672		10	<1	1.21	20	0.86	1645	<1	0.03	1	1690	35	4.98	<2	1	1950
100673		10	<1	0.83	20	0.83	1735	4	0.03	2	1720	54	4.12	<2	1	2430
100674		10	<1	0.78	20	0.91	1830	7	0.03	2	1830	309	3.32	2	1	2070
100675		<10	<1	0.02	<10	0.53	115	<1	<0.01	<1	80	<2	0.03	<2	<1	110
100676		10	<1	1.03	20	0.94	1730	<1	0.03	1	1810	51	2.88	3	2	1780
100677		20	<1	1.42	30	1.18	1415	2	0.04	2	2460	52	3.23	2	2	1915
100678		20	<1	1.57	30	1.15	1920	3	0.04	4	2300	89	3.19	<2	2	1825
100679		<10	<1	0.19	<10	0.14	223	98	0.02	7	210	40	0.90	35	1	178
100680		20	<1	1.48	30	0.98	1565	31	0.03	4	2160	91	3.79	<2	2	2170
100681		10	<1	1.20	20	0.70	1635	<1	0.03	1	1710	493	4.29	<2	1	2580
100682		20	<1	1.37	20	0.85	1585	<1	0.03	1	1930	43	4.12	2	1	2330
100683		20	<1	1.29	20	0.92	1790	39	0.04	1	1520	1190	5.21	<2	1	2380
100684		10	<1	0.98	20	0.64	1170	6	0.05	2	1630	92	4.71	3	1	2350
100685		10	<1	0.91	20	0.61	1220	<1	0.09	2	1490	130	5.18	2	1	2620
100686		10	<1	0.90	20	0.68	645	<1	0.50	1	1680	32	4.87	<2	1	1915
100687		10	<1	0.91	20	0.67	653	<1	0.50	1	1730	36	4.87	<2	1	1955
100688		10	<1	0.97	20	0.69	637	<1	0.39	1	1840	70	5.08	2	1	2090
100689		10	<1	1.09	20	0.69	948	<1	0.14	2	1690	110	6.31	<2	1	2540
100690		10	<1	0.82	10	0.47	1075	38	0.10	1	1120	176	3.80	<2	1	2570
100691		10	<1	0.85	10	0.53	687	62	0.15	1	1010	222	4.01	<2	1	2110

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100501		0.11	<10	<10	197	<10	334	
100502		0.11	<10	<10	182	<10	371	
100503		0.07	<10	<10	189	<10	106	
100504		0.15	<10	<10	329	<10	183	
100505		0.15	<10	10	106	<10	166	
100506		0.13	<10	<10	109	<10	105	
100507		0.12	<10	10	109	<10	118	
100508		0.15	<10	10	120	<10	140	
100509		0.13	<10	10	364	<10	157	
100510		0.08	<10	10	116	<10	173	
100511		0.13	<10	10	204	<10	319	
100512		0.18	<10	<10	202	<10	101	
100513		0.13	<10	<10	265	<10	93	
100514		0.11	<10	<10	208	<10	2910	1.69
100515		<0.01	<10	<10	2	<10	8	
100516		0.11	<10	<10	290	<10	153	1.63
100517		0.08	<10	<10	177	<10	97	
100518		0.15	<10	<10	233	<10	231	1.37
100519		0.04	<10	10	22	<10	63	
100520		0.19	<10	<10	256	<10	220	
100521		0.15	<10	<10	219	<10	194	1.49
100522		0.17	<10	<10	313	<10	159	3.98
100523		0.06	<10	<10	121	<10	148	1.49
100524		0.07	<10	10	151	<10	272	
100525		0.20	<10	10	212	10	178	
100526		0.01	<10	10	55	<10	108	
100527		0.01	<10	<10	55	<10	109	
100528		0.01	<10	<10	60	<10	102	
100529		<0.01	<10	10	55	<10	117	
100530		<0.01	<10	<10	11	<10	433	
100531		0.01	<10	<10	21	<10	72	
100532		0.01	<10	<10	25	<10	69	
100533		0.03	<10	<10	35	<10	130	2.28
100534		<0.01	<10	10	18	<10	55	
100535		<0.01	<10	<10	1	<10	<2	
100536		0.01	<10	<10	11	<10	127	
100537		0.05	<10	<10	37	<10	115	
100538		0.10	<10	<10	79	<10	105	1.32
100539		0.04	<10	<10	23	<10	68	
100540		0.03	<10	<10	20	<10	50	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 3 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100541		0.19	<10	10	139	<10	138	1.98
100542		0.11	<10	10	80	<10	120	4.20
100543		0.08	<10	<10	64	<10	161	2.45
100544		0.02	<10	<10	31	<10	162	
100545		0.06	<10	<10	66	<10	99	1.69
100546		0.17	<10	<10	124	<10	125	2.18
100547		0.17	<10	<10	126	<10	127	2.21
100548		0.12	<10	<10	81	<10	97	3.18
100549		0.15	<10	<10	95	<10	96	4.49
100550		0.19	<10	<10	97	<10	121	3.80
100551		0.14	<10	<10	57	<10	83	3.08
100552		0.16	<10	<10	52	<10	109	
100553		0.17	<10	<10	55	<10	116	
100554		0.20	<10	10	140	<10	101	
100555		<0.01	<10	<10	1	<10	<2	
100556		0.20	<10	<10	144	<10	100	
100557		0.19	<10	<10	140	<10	82	
100558		0.20	<10	<10	123	<10	138	1.85
100559		0.01	<10	<10	10	<10	71	
100560		0.21	<10	<10	137	<10	127	
100561		0.16	<10	<10	105	<10	141	
100562		0.09	<10	<10	65	<10	142	1.75
100563		0.07	<10	<10	29	<10	149	2.06
100564		0.14	<10	10	88	<10	132	
100565		0.16	<10	<10	103	<10	186	
100566		0.16	<10	<10	111	<10	196	1.94
100567		0.16	<10	<10	113	<10	204	1.93
100568		0.17	<10	<10	119	<10	167	
100569		0.18	<10	10	120	<10	158	
100570		0.17	<10	<10	119	<10	133	
100571		0.11	<10	<10	98	<10	163	
100572		0.13	<10	<10	89	<10	166	
100573		0.18	<10	<10	126	<10	155	
100574		0.16	<10	10	105	<10	111	
100575		<0.01	<10	<10	<1	<10	2	
100576		0.20	<10	<10	152	<10	137	
100577		0.19	<10	<10	162	<10	183	
100578		0.19	<10	<10	153	<10	128	
100579		0.01	<10	<10	10	<10	70	
100580		0.18	<10	<10	149	<10	138	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100581		0.17	<10	<10	133	<10	95	
100582		0.18	<10	<10	146	<10	82	
100583		0.18	<10	<10	140	<10	96	
100584		0.11	<10	<10	100	<10	141	
100585		0.07	<10	<10	70	<10	158	
100586		0.09	<10	<10	82	<10	201	
100587		0.09	<10	<10	83	<10	195	
100588		0.11	<10	<10	96	<10	143	
100589		0.09	<10	<10	89	<10	147	
100590		0.08	<10	<10	81	<10	221	
100591		0.10	<10	<10	87	<10	228	
100592		0.16	<10	10	127	<10	267	
100593		0.12	<10	10	99	<10	148	
100594		0.08	<10	10	80	<10	132	
100595		<0.01	<10	<10	2	<10	<2	
100596		0.16	<10	10	137	<10	190	
100597		0.04	<10	10	72	<10	107	
100598		0.07	<10	10	95	<10	117	
100599		0.10	<10	10	114	<10	124	
100600		0.01	<10	<10	10	<10	70	
100601		0.05	<10	20	97	<10	118	
100602		0.09	<10	10	110	<10	97	
100603		0.10	<10	10	113	<10	220	
100604		0.12	<10	10	127	<10	229	
100605		0.12	<10	10	120	<10	185	
100606		0.06	<10	10	89	<10	64	
100607		0.06	<10	10	92	<10	67	
100608		0.03	<10	10	61	<10	68	
100609		0.02	<10	10	48	<10	122	
100610		0.06	<10	10	68	<10	113	
100611		0.11	<10	10	88	<10	325	
100612		0.17	<10	10	116	<10	533	
100613		0.17	<10	10	134	<10	205	
100614		0.15	<10	10	115	<10	328	
100615		<0.01	<10	<10	2	<10	<2	
100616		0.08	<10	10	100	<10	114	
100617		0.15	<10	10	117	<10	424	
100618		0.14	<10	10	113	<10	128	
100619		0.05	<10	<10	36	<10	147	
100620		0.17	<10	10	124	<10	162	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100621		0.17	<10	10	119	10	102	
100622		0.16	<10	10	117	<10	97	
100623		0.17	<10	10	125	<10	102	
100624		0.17	<10	10	129	10	104	
100625		0.17	<10	10	128	<10	175	
100626		0.18	<10	10	133	<10	166	
100627		0.18	<10	10	129	<10	166	
100628		0.16	<10	10	124	<10	213	
100629		0.17	<10	10	129	<10	144	
100630		0.17	<10	10	125	<10	165	
100631		0.16	<10	10	127	<10	133	
100632		0.16	<10	10	120	<10	158	
100633		0.17	<10	10	132	<10	200	
100634		0.17	<10	10	133	<10	110	
100635		<0.01	<10	<10	2	<10	<2	
100636		0.17	<10	10	125	<10	139	
100637		0.17	<10	10	125	<10	136	
100638		0.13	<10	10	105	<10	136	
100639		0.01	<10	<10	10	<10	70	
100640		0.16	<10	10	128	<10	115	
100641		0.16	<10	10	124	<10	126	
100642		0.15	<10	10	108	<10	185	
100643		0.14	<10	10	99	<10	157	
100644		0.12	<10	10	67	<10	90	
100645		0.11	<10	20	52	<10	454	
100646		0.06	<10	20	44	<10	94	
100647		0.06	<10	20	44	<10	92	
100648		0.04	<10	10	37	<10	231	
100649		0.09	<10	10	99	<10	345	
100650		0.14	<10	10	146	<10	195	
100651		0.10	<10	10	103	<10	66	
100652		0.09	<10	<10	130	<10	203	
100653		0.08	<10	10	185	<10	565	
100654		0.10	<10	<10	165	<10	499	
100655		<0.01	<10	<10	2	<10	<2	
100656		0.10	<10	10	165	<10	537	
100657		0.08	<10	10	131	<10	377	
100658		0.06	<10	10	120	<10	377	
100659		0.05	<10	10	34	<10	135	
100660		0.09	<10	<10	113	<10	327	

Comments: Highly mineralized samples may bias results for some elements.



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 6 - C  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041721

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100661		0.11	<10	10	102	<10	382	
100662		0.10	<10	10	67	<10	529	
100663		0.13	<10	10	81	<10	448	
100664		0.10	<10	10	92	<10	320	
100665		0.07	<10	10	90	<10	381	
100666		0.08	<10	10	108	<10	671	1.08
100667		0.08	<10	10	106	<10	670	1.09
100668		0.09	<10	10	122	<10	568	
100669		0.04	<10	10	104	<10	1280	
100670		0.07	<10	10	64	<10	635	
100671		0.10	<10	10	121	<10	517	
100672		0.06	<10	10	74	<10	510	
100673		0.03	<10	10	43	<10	608	1.03
100674		0.02	<10	10	34	<10	1425	1.80
100675		<0.01	<10	<10	1	<10	9	
100676		0.05	<10	10	60	<10	663	1.39
100677		0.07	<10	10	73	<10	1160	2.23
100678		0.11	<10	10	91	<10	1220	2.23
100679		0.01	<10	<10	10	<10	73	
100680		0.10	<10	10	84	<10	1005	1.68
100681		0.10	<10	10	73	<10	875	1.18
100682		0.11	<10	10	83	<10	809	1.29
100683		0.10	<10	10	88	<10	1055	1.12
100684		0.09	<10	10	52	<10	724	2.30
100685		0.09	<10	10	56	<10	797	1.93
100686		0.09	<10	10	58	<10	1010	2.12
100687		0.09	<10	10	58	<10	1015	2.14
100688		0.09	<10	10	57	<10	965	2.14
100689		0.08	<10	10	52	<10	986	1.85
100690		0.09	<10	10	43	<10	889	1.41
100691		0.08	<10	10	53	<10	590	

Comments: Highly mineralized samples may bias results for some elements.





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 1

Date : 27-Oct-2003

Account: SPEGOL

## CERTIFICATE VA03042104

Project : Galore Creek

P.O. No:

This report is for 170 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 16-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

*Info GC 03-442 (partial)*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 2 - A

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100851		3.50	0.051	<0.2	0.32	<2	<10	730	<0.5	<2	0.71	<0.5	5	38	769	0.70
100852		3.22	0.035	0.2	0.44	<2	<10	710	<0.5	<2	0.66	<0.5	5	35	703	0.83
100853		3.04	0.037	0.3	0.28	<2	<10	880	<0.5	<2	1.61	<0.5	7	23	933	1.20
100854		3.58	0.035	0.5	0.53	<2	<10	740	<0.5	<2	0.61	<0.5	6	25	721	0.85
100855		3.94	0.020	0.5	0.41	<2	<10	730	<0.5	<2	0.73	<0.5	4	28	906	0.69
100856		4.52	2.18	15.6	0.84	<2	<10	350	0.8	14	2.01	1.3	10	24	4900	2.63
100857		2.64	0.034	0.6	0.85	<2	<10	400	0.5	<2	0.81	0.8	9	19	576	1.40
100858		3.58	0.023	0.5	0.57	<2	<10	670	0.5	<2	1.08	<0.5	6	25	610	1.13
100859		3.66	0.017	0.2	0.48	<2	<10	960	0.5	<2	0.92	<0.5	5	21	359	0.80
100860		0.68	<0.005	<0.2	0.02	<2	<10	40	<0.5	<2	>15.0	<0.5	1	3	3	0.10
100861		4.32	0.021	0.3	0.51	<2	<10	1030	<0.5	<2	0.77	<0.5	5	23	510	0.93
100862		3.06	0.023	0.4	0.41	<2	<10	1070	<0.5	<2	1.21	<0.5	6	24	567	1.08
100863		3.74	0.034	0.4	0.74	<2	<10	530	<0.5	<2	0.70	<0.5	6	38	516	0.97
100864		3.52	0.017	0.2	0.64	<2	<10	500	0.5	<2	0.71	<0.5	5	24	526	0.91
100865		4.32	0.021	0.2	0.50	<2	<10	560	<0.5	<2	0.47	<0.5	5	29	583	0.91
100866			0.021	0.3	0.53	<2	<10	560	<0.5	<2	0.47	<0.5	5	26	582	0.89
100867		3.44	0.020	<0.2	0.59	<2	<10	340	0.6	<2	0.95	<0.5	6	30	409	1.51
100868		4.46	0.026	0.3	0.56	2	<10	590	0.9	<2	1.87	<0.5	2	12	281	0.46
100869		3.96	0.017	<0.2	2.24	<2	<10	190	2.7	<2	1.40	<0.5	6	14	261	2.19
100870		0.14	2.89	0.3	1.49	5870	<10	20	<0.5	14	4.91	0.6	153	27	52	3.09
100871		2.68	0.085	0.4	1.10	5	<10	510	1.0	<2	1.70	<0.5	9	17	425	2.36
100872		3.94	0.034	0.2	1.02	2	10	1110	0.9	<2	1.97	<0.5	8	12	408	2.89
100873		3.40	0.029	0.3	0.67	<2	10	810	0.8	<2	1.71	0.9	4	12	398	1.33
100874		3.28	0.021	0.2	0.59	<2	<10	1010	0.6	<2	1.75	<0.5	3	12	201	0.92
100875			0.025	0.2	0.55	<2	<10	1010	0.6	<2	1.73	<0.5	3	10	219	0.86
100876		4.04	0.024	0.3	0.72	<2	<10	1030	0.8	<2	1.72	<0.5	5	16	554	2.00
100877		4.22	0.020	0.2	0.67	<2	<10	1310	0.8	<2	1.69	<0.5	4	9	167	1.52
100878		4.38	0.035	0.2	0.99	2	<10	880	1.2	<2	3.05	<0.5	8	9	430	4.08
100879		4.12	0.027	<0.2	1.07	<2	<10	1020	1.5	<2	2.82	<0.5	11	9	312	5.13
100880		0.60	<0.005	<0.2	0.04	2	<10	30	<0.5	<2	>15.0	<0.5	1	7	2	0.08
100881		4.14	0.028	<0.2	0.92	<2	<10	1060	1.1	<2	2.30	<0.5	12	8	357	5.38
100882		3.40	0.044	<0.2	1.14	<2	<10	1100	1.1	<2	2.29	<0.5	10	10	623	2.06
100883		3.42	0.022	<0.2	1.30	<2	<10	900	1.5	<2	2.70	<0.5	10	17	270	3.38
100884		2.94	0.014	<0.2	1.23	3	10	1030	1.3	<2	2.44	<0.5	9	7	233	2.46
100885		5.02	0.131	<0.2	1.61	5	<10	240	1.2	<2	1.31	<0.5	22	17	355	7.92
100886		4.08	0.020	<0.2	1.22	4	<10	220	1.1	<2	1.55	<0.5	15	11	351	5.46
100887		5.18	0.028	<0.2	1.83	7	<10	290	1.5	<2	1.97	<0.5	18	13	218	4.44
100888		3.92	0.019	<0.2	0.76	<2	<10	430	0.6	<2	1.28	<0.5	7	19	265	3.09
100889		4.98	0.021	<0.2	0.87	<2	<10	270	0.9	<2	1.56	<0.5	6	22	127	2.30
100890		0.14	0.485	0.5	0.97	3580	40	10	<0.5	18	5.78	0.6	101	12	114	3.45



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - A  
Total # of pages : 6 (A - C)  
Date : 27-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100891		2.98	0.029	<0.2	0.62	6	<10	1050	0.8	<2	2.05	<0.5	6	9	411	2.53
100892		1.40	0.021	<0.2	0.93	3	<10	1050	0.9	<2	2.10	<0.5	10	12	206	3.28
100893		3.14	0.027	<0.2	1.01	3	<10	620	1.1	<2	1.68	<0.5	8	11	260	1.77
100894		3.04	0.015	<0.2	1.07	2	<10	520	1.3	<2	1.94	<0.5	8	10	462	2.98
100895		2.72	0.048	<0.2	2.00	5	<10	140	1.9	<2	1.03	<0.5	11	10	513	3.68
100896		3.18	0.039	<0.2	2.88	<2	<10	180	2.1	<2	1.10	<0.5	11	14	345	4.18
100897			0.039	<0.2	2.75	3	<10	170	2.1	<2	1.06	<0.5	10	10	352	4.08
100898		4.06	0.059	0.2	1.89	<2	<10	560	2.0	<2	1.99	<0.5	9	11	1020	3.82
100899		2.42	0.486	1.2	1.25	<2	<10	280	1.0	5	0.77	<0.5	17	9	5750	5.18
100900		0.56	<0.005	<0.2	0.03	<2	<10	30	<0.5	<2	>15.0	<0.5	1	21	9	0.11
100901		2.46	0.098	0.5	1.48	3	<10	1000	0.9	<2	1.09	<0.5	16	9	1800	5.66
100902		2.64	0.112	<0.2	1.65	<2	<10	1020	0.9	<2	1.29	<0.5	16	8	1185	3.33
100903		2.58	0.044	<0.2	1.21	<2	<10	710	0.9	<2	2.03	<0.5	11	15	742	5.13
100904		2.30	0.078	0.3	0.98	<2	<10	320	0.9	<2	1.60	0.5	9	10	889	3.09
100905		2.76	0.131	1.4	0.96	2	<10	110	0.9	<2	1.95	<0.5	9	12	1550	3.80
100906		4.46	0.112	0.3	1.12	<2	<10	280	0.9	<2	1.78	0.7	19	7	598	9.81
100907		2.18	0.134	1.2	1.08	3	<10	50	0.7	<2	1.65	1.7	18	13	941	9.63
100908		2.08	0.242	3.2	1.07	5	<10	30	0.9	<2	2.29	0.9	9	7	2130	2.82
100909		2.36	0.049	0.6	1.19	2	<10	780	1.0	<2	2.17	1.4	6	9	720	2.00
100910			0.034	17.7	0.45	11	<10	140	<0.5	3	1.00	<0.5	4	46	6460	1.46
100911		3.44	0.079	1.0	0.84	3	<10	50	0.9	<2	2.21	1.0	8	7	587	3.27
100912		2.90	0.222	1.0	0.78	4	<10	30	0.9	<2	2.51	<0.5	11	18	577	3.87
100913		1.16	0.111	0.9	2.42	2	<10	150	1.1	<2	1.77	1.2	19	4	1850	5.09
100914		4.60	0.052	0.4	1.94	2	<10	860	1.0	<2	2.40	<0.5	14	32	1080	3.82
100915		1.68	0.108	0.9	1.19	3	10	570	1.0	<2	1.99	<0.5	9	8	996	2.97
100916		1.36	0.166	1.1	0.81	2	<10	310	1.0	<2	2.17	<0.5	10	9	1945	4.86
100917		2.52	0.334	3.1	0.80	3	<10	30	1.1	<2	2.07	<0.5	14	11	4590	5.18
100918		3.84	0.989	4.2	0.59	15	<10	20	0.9	7	4.09	1.0	19	13	5260	5.34
100919		4.34	0.182	0.8	0.56	5	<10	20	0.9	<2	4.33	0.5	15	9	2250	4.49
100920		0.42	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15.0	<0.5	1	4	14	0.11
100921		4.48	0.105	0.4	0.78	<2	<10	30	0.9	2	2.68	<0.5	15	17	1225	4.13
100922		4.64	0.228	2.5	0.90	3	<10	20	1.0	<2	2.95	<0.5	16	20	3680	5.21
100923			0.227	3.0	0.92	4	<10	20	1.1	<2	2.83	<0.5	17	12	3780	5.15
100924		3.42	0.186	0.8	0.90	2	<10	60	0.9	<2	2.44	<0.5	10	19	1470	4.81
100925		4.12	0.291	1.5	0.99	<2	10	40	0.9	<2	2.60	<0.5	12	16	2300	5.67
100926		3.80	0.038	0.2	1.00	3	<10	240	1.2	<2	2.57	<0.5	10	23	259	3.07
100927		3.92	0.060	0.2	1.04	<2	<10	250	1.2	<2	2.61	<0.5	10	25	384	3.15
100928		4.96	0.793	4.0	1.00	4	10	50	1.1	4	2.58	<0.5	14	14	4440	5.55
100929		4.78	0.573	2.6	0.98	10	10	50	1.0	5	2.74	0.6	22	14	2590	6.93
100930		0.12	2.83	0.4	1.43	5330	10	20	<0.5	14	4.69	0.6	161	29	53	2.99



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - A  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg 0.02	Au ppm 0.005	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01	
100931		4.68	1.200	4.6	0.85	11	<10	70	0.9	8	2.26	<0.5	17	12	5500	7.32	
100932		4.86	1.305	2.2	0.85	3	<10	80	0.9	<2	2.43	<0.5	17	14	5040	8.60	
100933		4.70	0.290	0.7	0.94	6	<10	80	1.1	<2	2.85	1.5	18	14	1330	8.82	
100934		3.14	0.295	0.7	0.75	3	<10	90	1.0	<2	2.22	<0.5	16	19	1930	7.69	
100935		3.84	0.013	<0.2	1.20	<2	<10	110	0.8	<2	3.53	<0.5	16	31	84	4.40	
100936		4.26	<0.005	<0.2	0.90	<2	<10	210	0.7	<2	3.14	<0.5	10	39	12	3.80	
100937		4.20	<0.005	<0.2	1.01	<2	<10	230	0.5	<2	2.33	<0.5	11	35	7	3.46	
100938		2.28	<0.005	<0.2	0.89	<2	<10	460	0.5	<2	2.18	<0.5	11	37	5	3.34	
100939		4.10	2.22	1.9	0.60	4	<10	20	1.0	<2	3.52	<0.5	12	13	>10000	4.54	
100940		0.60	0.006	<0.2	0.03	4	<10	30	<0.5	<2	>15.0	<0.5	<1	6	44	0.11	
100941		3.42	0.384	1.6	0.45	2	<10	40	0.7	<2	2.80	0.8	4	6	3570	1.13	
100942		4.46	0.190	1.8	0.44	2	<10	70	0.6	<2	2.79	<0.5	2	8	2520	0.61	
100943		4.10	0.273	3.3	0.46	<2	<10	40	0.7	<2	2.76	1.0	4	18	4530	1.04	
100944		4.40	0.098	1.3	1.16	4	<10	150	2.1	<2	4.92	<0.5	13	12	1830	3.66	
100945			0.110	1.3	1.22	2	<10	140	2.2	<2	4.65	<0.5	12	5	1705	3.51	
100946		4.80	0.164	0.8	0.79	2	<10	100	1.7	<2	4.30	<0.5	11	15	1220	3.52	
100947		4.04	0.149	1.2	1.21	7	<10	190	2.0	<2	4.60	<0.5	17	12	1050	4.12	
100948		4.86	0.076	0.3	0.95	5	<10	140	2.0	<2	4.21	<0.5	19	15	320	5.16	
100949		4.62	0.615	3.8	1.14	4	<10	110	2.2	3	3.97	<0.5	18	6	4190	6.27	
100950		0.12	0.508	0.5	0.95	3320	40	10	<0.5	18	5.50	<0.5	104	12	114	3.26	
100951		4.34	1.300	5.0	0.61	8	<10	50	1.1	7	4.13	<0.5	14	12	6290	3.73	
100952		4.12	1.250	2.3	1.42	6	<10	140	2.4	4	4.30	<0.5	20	16	3130	6.07	
100953		3.58	0.065	0.4	0.54	4	<10	100	2.1	<2	4.88	<0.5	24	15	447	5.97	
100954		3.72	0.548	4.9	0.62	4	<10	100	2.3	5	6.61	<0.5	24	34	4220	5.43	
100955		4.18	0.175	0.9	0.90	2	<10	200	2.6	<2	5.59	<0.5	17	18	1235	4.33	
100956		4.86	0.102	0.4	0.73	6	<10	300	2.1	2	6.67	<0.5	18	8	505	4.73	
100957		4.32	2.24	7.0	0.59	3	<10	30	1.1	8	3.56	1.8	21	3	>10000	5.68	
100958		3.48	3.39	8.3	1.10	3	10	30	1.5	28	4.17	1.7	22	8	>10000	6.09	
100959		4.26	1.175	3.9	1.08	4	<10	70	1.0	6	2.73	<0.5	20	11	4430	5.95	
100960			1.205	3.8	1.06	5	<10	80	1.0	5	2.74	<0.5	21	10	4410	6.01	
100961		4.14	3.12	6.9	0.90	<2	<10	30	1.1	32	3.10	<0.5	20	2	>10000	5.45	
100962		4.56	0.589	2.2	0.96	<2	<10	50	1.1	5	3.03	<0.5	12	8	2490	3.05	
100963		4.44	0.312	2.9	0.85	6	<10	40	1.0	4	3.44	<0.5	10	14	3750	2.92	
100964		3.52	0.167	2.0	0.82	2	<10	30	0.8	<2	3.33	1.2	7	7	2700	2.05	
100965		4.60	0.005	<0.2	1.08	<2	<10	300	0.5	<2	3.37	<0.5	7	9	19	3.22	
100966		4.40	0.107	0.4	1.02	3	<10	230	0.5	<2	3.47	<0.5	8	19	2240	3.14	
100967		3.36	2.07	6.1	0.86	4	<10	30	0.8	<2	3.86	1.0	12	10	>10000	2.47	
100968		4.60	3.55	10.2	0.69	6	<10	20	0.7	9	3.71	0.7	16	3	>10000	3.63	
100969		3.10	5.38	8.5	0.64	3	<10	30	0.7	11	3.40	1.8	16	5	>10000	4.12	
100970		0.10	0.138	17.2	0.44	11	<10	140	<0.5	<2	1.00	<0.5	4	50	6300	1.42	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 5 - A  
Total # of pages : 6 (A - C)  
Date : 27-Oct-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100971		3.68	0.017	<0.2	1.02	<2	<10	190	0.5	<2	4.33	<0.5	7	7	216	3.29
100972		3.92	0.025	<0.2	0.56	<2	<10	70	0.5	<2	4.38	<0.5	7	9	67	3.04
100973		4.26	0.007	<0.2	1.01	3	<10	460	0.5	<2	3.59	<0.5	7	8	24	3.02
100974		4.24	0.011	<0.2	0.91	<2	<10	90	0.5	<2	4.02	<0.5	7	9	59	3.02
100975			0.008	<0.2	0.87	<2	<10	70	0.5	<2	4.08	<0.5	7	17	62	3.00
100976		4.30	0.122	1.1	1.32	8	<10	40	1.4	<2	5.08	<0.5	21	4	1305	6.86
100977		3.90	1.315	2.3	0.78	<2	<10	30	0.8	2	3.25	<0.5	12	3	5100	4.78
100978		3.40	1.455	4.5	1.00	<2	<10	30	1.0	5	3.94	<0.5	17	4	5060	5.06
100979		4.38	0.859	2.5	0.99	3	10	30	0.9	4	3.76	<0.5	12	5	4040	2.66
100980		0.50	<0.005	<0.2	0.03	2	<10	40	<0.5	<2	>15.0	<0.5	<1	11	14	0.10
100981		3.68	0.008	<0.2	0.79	2	<10	80	0.5	<2	4.13	<0.5	7	6	110	3.00
100982		5.50	<0.005	<0.2	1.15	<2	<10	160	<0.5	<2	3.46	<0.5	8	17	15	3.25
100983		5.12	0.005	<0.2	0.57	<2	<10	150	0.5	<2	3.24	0.9	11	15	91	2.94
100984		2.92	3.96	7.8	0.54	<2	<10	30	0.6	22	4.36	<0.5	17	9	>10000	4.42
100985		3.42	3.00	7.3	0.63	3	<10	30	0.8	25	3.01	<0.5	18	9	>10000	6.87
100986		4.24	5.62	16.6	0.77	2	<10	20	0.8	35	3.21	0.7	18	4	>10000	4.73
100987		4.08	2.17	4.5	0.60	2	<10	40	0.7	6	3.48	<0.5	13	15	6370	3.73
100988		3.90	0.042	0.3	1.40	2	<10	310	0.8	2	4.52	<0.5	15	16	601	5.07
100989		3.48	0.083	0.4	1.24	3	<10	80	1.0	2	5.14	<0.5	16	15	2950	5.30
100990		0.10	2.81	0.4	1.41	5500	<10	20	<0.5	14	4.71	<0.5	163	28	60	2.98
100991		4.14	0.250	0.5	1.50	10	<10	310	1.0	<2	4.48	<0.5	17	12	854	5.31
100992			0.243	0.2	1.46	4	<10	260	1.0	<2	4.34	<0.5	17	9	806	5.17
100993		3.48	0.007	<0.2	1.54	2	<10	430	1.0	<2	4.88	<0.5	17	13	1150	5.24
100994		4.10	4.31	12.9	0.79	2	<10	30	0.7	23	3.88	<0.5	20	5	>10000	7.09
100995		4.28	0.989	8.1	0.92	4	<10	20	0.7	7	4.49	1.8	17	3	>10000	4.08
100996		4.30	0.328	2.1	0.97	5	<10	20	0.7	2	4.67	<0.5	13	4	4990	2.74
100997		4.52	1.385	4.9	1.42	4	<10	20	0.9	<2	5.57	0.6	22	2	8930	2.58
100998		4.18	1.010	4.4	0.92	4	<10	20	0.6	10	5.01	<0.5	20	3	>10000	3.07
100999		4.52	2.09	5.7	1.19	4	<10	20	0.6	10	4.70	<0.5	41	2	>10000	6.66
101000		0.46	0.011	<0.2	0.04	2	<10	50	<0.5	<2	>15.0	<0.5	<1	4	113	0.16
101001		4.36	1.600	5.5	0.64	2	<10	20	0.5	3	4.38	<0.5	19	5	>10000	3.53
101002		4.38	1.300	7.1	0.49	<2	<10	20	<0.5	8	4.54	<0.5	22	1	>10000	3.44
101003		4.40	1.220	4.0	0.41	2	<10	20	<0.5	<2	4.63	<0.5	14	1	9180	2.34
101004		4.26	0.626	1.8	0.78	2	<10	20	0.5	2	4.46	<0.5	15	10	4710	1.93
101005		4.58	0.789	3.1	0.56	3	<10	20	0.5	<2	4.08	<0.5	11	14	6140	1.77
101006		4.20	0.199	1.3	0.24	4	<10	20	<0.5	2	6.06	<0.5	5	30	2630	1.19
101007		4.20	0.400	4.5	0.53	8	<10	20	<0.5	<2	6.88	<0.5	17	54	9460	2.94
101008		4.16	0.587	4.4	0.30	<2	<10	20	<0.5	2	6.79	0.5	8	36	4810	1.64
101009		3.86	0.461	4.9	0.39	5	<10	20	<0.5	<2	8.07	<0.5	8	10	5390	0.85
101010		0.10	0.477	0.6	0.99	3380	40	20	<0.5	19	6.21	0.6	114	13	114	3.62



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 6 - A

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg 0.02	Au ppm 0.005	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01	
101011		4.40	0.251	3.1	2.06	9	<10	30	0.9	<2	6.85	1.9	30	14	6610	2.75	
101012		4.44	0.779	2.5	1.94	9	<10	40	1.4	<2	8.50	3.3	23	15	4230	2.37	
101013		5.16	0.609	4.3	2.46	10	<10	40	1.1	4	7.73	1.3	42	11	>10000	3.80	
101014		4.24	1.550	9.8	1.21	5	<10	30	<0.5	<2	6.04	2.3	56	28	>10000	4.92	
101015		4.44	1.355	7.8	0.59	9	<10	30	<0.5	<2	6.48	3.6	52	48	>10000	5.45	
101016		4.44	0.810	6.9	2.16	12	<10	30	0.6	<2	5.93	2.5	78	34	>10000	5.39	
101017			0.619	6.7	2.12	8	<10	30	0.6	<2	5.86	2.5	78	33	>10000	5.34	
101018		0.98	0.673	2.2	1.97	5	<10	40	1.3	<2	6.37	1.9	31	17	7010	1.92	
101019		4.34	0.215	4.2	1.47	6	<10	30	0.9	2	6.72	3.1	45	8	>10000	2.85	
101020		0.34	<0.005	<0.2	0.04	<2	<10	40	<0.5	<2	>15.0	<0.5	<1	6	53	0.14	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100851		<10	<1	0.33	10	0.24	215	3	0.06	4	40	18	0.18	2	6	587
100852		<10	<1	0.42	10	0.33	225	3	0.06	5	50	16	0.13	2	2	556
100853		<10	<1	0.28	10	0.69	476	4	0.04	6	40	26	0.13	4	5	456
100854		<10	<1	0.56	10	0.51	248	3	0.07	6	20	15	0.13	3	2	488
100855		<10	<1	0.41	10	0.40	221	2	0.07	5	20	15	0.14	6	2	505
100856		10	<1	0.67	10	0.87	858	1	0.08	10	40	19	0.52	4	4	482
100857		<10	<1	0.82	10	0.80	378	1	0.09	8	20	7	0.11	<2	3	446
100858		<10	<1	0.48	10	0.54	387	2	0.07	5	130	10	0.13	<2	3	468
100859		<10	<1	0.43	10	0.46	308	3	0.06	4	50	12	0.12	<2	2	517
100860		<10	<1	0.01	<10	0.46	118	<1	<0.01	<1	80	<2	<0.01	<2	<1	105
100861		<10	<1	0.48	10	0.45	281	3	0.06	5	60	13	0.14	<2	2	532
100862		<10	<1	0.38	10	0.59	372	4	0.05	6	30	17	0.13	<2	3	417
100863		<10	<1	0.72	10	0.59	283	2	0.09	6	40	11	0.14	<2	2	546
100864		<10	<1	0.59	10	0.48	243	2	0.09	5	30	12	0.14	<2	2	529
100865		<10	<1	0.49	10	0.37	209	3	0.09	4	50	11	0.14	<2	2	495
100866		<10	1	0.51	10	0.37	209	3	0.09	4	50	11	0.14	<2	2	493
100867		<10	<1	0.51	10	0.53	376	1	0.09	4	330	7	0.10	<2	3	370
100868		<10	<1	0.36	20	0.21	227	5	0.06	2	90	7	0.05	<2	1	158
100869		10	<1	0.43	10	0.24	329	8	0.51	5	300	12	0.05	<2	<1	533
100870		<10	<1	0.04	10	0.21	555	5	0.10	28	1090	9	0.53	8	2	101
100871		10	<1	0.73	20	0.75	527	3	0.05	9	190	5	0.04	<2	2	159
100872		10	1	0.66	10	0.41	445	6	0.05	8	640	12	0.10	<2	1	215
100873		<10	<1	0.46	10	0.22	498	4	0.04	4	230	33	0.09	<2	1	158
100874		<10	1	0.42	10	0.17	324	4	0.03	2	190	13	0.06	<2	1	165
100875		<10	<1	0.39	10	0.17	322	4	0.03	2	190	12	0.07	<2	<1	162
100876		<10	<1	0.53	10	0.35	412	6	0.05	6	100	14	0.11	<2	2	194
100877		<10	<1	0.45	10	0.21	412	6	0.04	4	200	14	0.09	<2	1	230
100878		<10	<1	0.67	20	0.43	738	4	0.04	10	970	15	0.29	<2	2	403
100879		<10	<1	0.74	10	0.63	930	4	0.04	13	410	6	0.22	<2	4	551
100880		<10	<1	0.01	<10	0.37	87	<1	<0.01	1	80	<2	<0.01	<2	<1	87
100881		<10	<1	0.64	10	0.66	836	8	0.04	13	190	7	0.14	<2	3	662
100882		<10	<1	0.76	10	0.97	623	13	0.05	8	270	5	0.22	<2	4	1520
100883		<10	1	0.83	10	0.79	747	9	0.04	12	510	4	0.18	<2	2	1240
100884		<10	1	0.84	10	0.63	566	7	0.04	10	920	5	0.11	<2	1	1220
100885		10	<1	1.15	30	1.00	1130	1	0.04	25	3310	4	0.07	2	1	1225
100886		10	<1	0.76	20	0.65	966	1	0.05	17	2140	5	0.07	<2	1	1100
100887		10	1	1.48	30	1.49	965	1	0.05	22	3530	3	0.08	<2	2	1125
100888		<10	<1	0.58	10	0.58	442	2	0.09	6	900	8	0.15	<2	3	770
100889		<10	<1	0.57	10	0.61	558	2	0.11	3	850	11	0.06	<2	5	761
100890		<10	<1	0.03	10	0.20	558	33	0.07	28	1200	16	1.34	7	1	88



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100891		<10	<1	0.40	20	0.24	459	5	0.04	7	780	8	0.15	<2	1	943
100892		<10	<1	0.64	20	0.70	641	3	0.04	11	1390	4	0.16	<2	2	957
100893		<10	<1	0.67	20	0.55	448	2	0.05	9	2020	6	0.09	<2	1	894
100894		<10	1	0.64	10	0.32	554	1	0.04	8	1070	2	0.09	<2	1	1155
100895		<10	<1	0.51	10	0.24	410	18	0.47	10	1350	13	0.07	<2	<1	637
100896		10	1	0.63	10	0.33	401	3	1.01	10	780	6	0.07	<2	<1	937
100897		10	1	0.59	10	0.33	390	3	0.99	10	770	3	0.07	<2	<1	915
100898		10	<1	0.75	10	0.49	664	7	0.34	8	860	3	0.12	<2	2	1165
100899		10	<1	0.83	10	0.47	448	21	0.04	9	1080	4	0.56	<2	1	959
100900		<10	<1	0.02	<10	0.64	90	<1	<0.01	<1	80	<2	<0.01	<2	<1	94
100901		10	<1	1.10	10	0.83	685	13	0.04	12	1280	<2	0.20	<2	1	936
100902		10	1	1.37	10	1.41	679	9	0.05	17	470	3	0.17	<2	2	935
100903		10	1	0.85	10	0.49	588	7	0.04	14	670	4	0.13	<2	1	1070
100904		<10	<1	0.66	20	0.45	736	4	0.03	10	1270	37	0.48	<2	1	1030
100905		<10	<1	0.63	20	0.38	807	6	0.03	8	2370	15	0.75	<2	<1	1100
100906		10	<1	0.79	10	0.47	1160	10	0.04	19	1110	33	0.57	<2	<1	1045
100907		10	1	0.81	10	0.61	1355	7	0.04	22	690	70	1.43	<2	1	1085
100908		<10	<1	0.69	10	0.32	1380	13	0.03	8	1240	66	1.97	<2	<1	1090
100909		<10	<1	0.79	10	0.49	1180	13	0.03	10	810	83	0.34	<2	1	1240
100910		<10	<1	0.19	<10	0.14	217	100	0.02	8	210	34	0.93	31	1	194
100911		<10	<1	0.55	10	0.21	1090	11	0.02	10	1070	60	1.18	<2	<1	1120
100912		<10	1	0.49	10	0.32	1425	24	0.02	9	880	26	1.90	<2	1	1240
100913		10	<1	1.83	10	1.62	1545	9	0.03	12	1090	29	0.57	<2	1	905
100914		10	<1	0.86	20	1.47	1430	6	0.04	22	1290	18	0.31	<2	3	849
100915		<10	<1	0.72	10	0.53	1785	7	0.03	9	1360	24	0.35	<2	<1	1010
100916		<10	<1	0.54	10	0.41	1360	10	0.02	9	1300	23	0.39	<2	1	935
100917		<10	<1	0.52	10	0.57	1255	3	0.01	11	1620	37	2.05	<2	1	957
100918		<10	<1	0.40	10	1.00	1745	11	0.01	13	1880	104	3.89	11	3	1130
100919		<10	<1	0.35	10	0.59	5010	17	0.01	9	950	27	3.36	<2	1	1115
100920		<10	<1	0.01	<10	0.60	140	<1	<0.01	<1	100	<2	0.02	<2	<1	95
100921		<10	<1	0.50	10	0.54	2940	10	0.02	9	1010	17	2.44	<2	2	1015
100922		<10	<1	0.56	10	0.48	1880	5	0.03	10	1160	17	3.15	<2	1	856
100923		<10	<1	0.60	10	0.45	1865	4	0.03	13	1170	19	3.20	<2	1	903
100924		10	<1	0.59	10	0.38	1795	4	0.02	13	1470	9	1.05	<2	1	909
100925		10	<1	0.64	10	0.58	2270	7	0.02	17	1350	13	1.63	<2	1	985
100926		10	<1	0.79	20	0.83	972	1	0.05	6	1260	4	0.76	<2	6	862
100927		10	<1	0.73	20	0.84	1005	2	0.05	7	1290	12	0.75	<2	6	943
100928		10	1	0.60	10	0.47	2050	5	0.02	15	1600	20	1.17	<2	1	883
100929		10	<1	0.52	20	0.48	2120	5	0.02	21	1870	77	1.11	<2	1	875
100930		<10	<1	0.04	10	0.20	557	5	0.09	32	1080	9	0.52	7	2	102





# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - B

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100931		10	<1	0.52	10	0.40	752	5	0.02	21	1400	11	1.05	<2	1	885
100932		10	<1	0.46	20	0.32	899	3	0.03	22	1870	7	0.91	<2	1	862
100933		10	<1	0.50	20	0.49	1970	25	0.03	25	2010	25	0.94	<2	1	1060
100934		10	<1	0.46	20	0.26	1190	7	0.03	19	1360	13	0.83	<2	1	946
100935		10	<1	0.19	10	1.32	976	1	0.06	8	1080	4	1.29	<2	10	334
100936		10	<1	0.18	10	1.40	935	<1	0.06	9	1050	3	0.38	2	13	251
100937		10	<1	0.21	10	1.14	651	<1	0.07	6	1090	5	0.38	<2	9	200
100938		10	<1	0.26	10	1.06	594	1	0.07	7	1070	7	0.34	<2	10	246
100939		<10	<1	0.31	10	0.63	566	1	0.03	14	960	7	2.61	<2	6	822
100940		<10	<1	0.01	<10	0.81	115	<1	<0.01	1	90	3	0.03	<2	<1	104
100941		<10	<1	0.32	10	0.18	324	4	0.02	3	610	41	1.83	<2	<1	1020
100942		<10	<1	0.33	10	0.10	216	2	0.03	3	330	7	1.54	<2	<1	1045
100943		<10	<1	0.34	10	0.19	340	24	0.02	6	390	7	2.01	<2	1	1060
100944		<10	<1	0.90	20	1.31	1420	2	0.03	13	860	5	1.77	<2	5	812
100945		10	<1	0.92	20	1.27	1375	2	0.03	11	850	4	1.61	<2	5	781
100946		<10	<1	0.58	20	0.90	1295	1	0.02	11	1290	5	1.73	<2	4	784
100947		10	<1	0.93	30	1.62	1785	<1	0.03	19	1910	4	1.34	<2	8	729
100948		<10	<1	0.67	30	1.38	1235	<1	0.03	22	2020	5	1.56	<2	7	720
100949		10	<1	0.75	20	1.44	1465	<1	0.03	24	830	4	1.79	<2	6	715
100950		<10	<1	0.03	10	0.20	559	32	0.07	30	1180	14	1.28	7	1	88
100951		<10	<1	0.42	20	0.99	1415	2	0.02	16	1640	6	2.05	<2	2	838
100952		10	1	1.07	30	1.21	1260	1	0.03	22	2440	6	1.55	<2	5	540
100953		<10	<1	0.40	20	1.81	1645	3	0.03	26	670	19	1.07	<2	19	679
100954		<10	<1	0.47	20	2.76	2510	2	0.03	31	380	52	0.98	<2	42	930
100955		<10	<1	0.67	20	1.98	2120	<1	0.03	18	630	13	1.41	<2	22	586
100956		<10	<1	0.50	30	2.29	2500	<1	0.03	19	2700	8	0.97	<2	22	706
100957		<10	<1	0.40	20	0.79	1230	5	0.02	22	1920	59	2.44	<2	3	980
100958		10	<1	0.78	20	1.52	1615	3	0.03	27	1930	64	2.23	<2	7	698
100959		10	<1	0.64	20	1.30	1090	6	0.02	26	1660	19	1.08	2	5	905
100960		10	<1	0.62	20	1.29	1090	6	0.02	25	1670	16	1.07	<2	5	890
100961		<10	<1	0.45	10	0.59	720	4	0.02	15	1640	34	2.54	<2	2	883
100962		10	<1	0.54	10	0.82	847	5	0.02	10	1270	11	1.52	<2	4	1000
100963		10	<1	0.45	20	0.59	949	6	0.02	11	1430	23	1.99	<2	3	1180
100964		<10	<1	0.39	20	0.38	652	4	0.02	9	1770	7	2.20	<2	1	899
100965		<10	<1	0.20	20	0.72	1100	<1	0.05	3	1130	3	0.56	<2	4	295
100966		10	<1	0.16	20	0.71	1140	1	0.05	3	1270	4	0.74	<2	4	277
100967		<10	<1	0.47	20	0.51	580	5	0.02	16	1520	11	2.60	<2	1	1080
100968		<10	<1	0.44	20	0.42	470	4	0.02	16	1790	15	3.34	14	1	1080
100969		<10	<1	0.36	10	0.49	1655	2	0.02	15	1820	29	2.03	<2	1	1230
100970		<10	<1	0.19	<10	0.14	217	95	0.02	8	220	38	0.88	30	1	187



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 5 - B

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
100971		<10	<1	0.26	10	0.70	1140	1	0.04	1	1230	<2	1.00	<2	4	362
100972		<10	<1	0.23	10	0.71	1210	<1	0.04	3	1190	5	1.16	<2	4	754
100973		<10	<1	0.26	20	0.64	1185	1	0.05	2	1060	10	0.50	<2	3	304
100974		<10	<1	0.23	20	0.64	1235	1	0.05	2	1020	3	1.01	<2	3	557
100975		<10	<1	0.21	20	0.63	1235	1	0.04	3	1010	4	1.04	<2	3	548
100976		10	<1	0.95	30	1.54	1685	11	0.02	28	3560	13	2.37	<2	4	949
100977		<10	<1	0.47	20	0.63	882	19	0.02	17	2060	11	2.16	<2	1	1080
100978		<10	<1	0.66	20	1.05	986	5	0.02	22	2670	8	1.94	<2	4	1025
100979		<10	<1	0.63	20	0.73	651	6	0.02	14	2650	4	1.75	<2	1	1170
100980		<10	<1	0.01	<10	0.46	107	<1	<0.01	2	80	2	0.02	<2	<1	96
100981		<10	<1	0.27	10	0.64	1260	1	0.05	3	1230	3	1.00	<2	3	684
100982		<10	<1	0.19	20	0.76	1160	<1	0.05	3	1120	2	0.56	<2	4	273
100983		<10	<1	0.24	20	0.68	886	<1	0.06	2	1080	13	0.98	<2	4	446
100984		<10	<1	0.28	20	0.88	1155	1	0.02	18	1930	41	2.90	<2	3	1005
100985		<10	<1	0.45	10	0.54	885	8	0.02	18	1820	7	2.65	<2	2	926
100986		<10	<1	0.55	10	0.50	470	6	0.02	16	1490	20	3.20	<2	2	936
100987		<10	<1	0.40	10	0.53	486	5	0.02	13	1200	12	2.16	<2	1	1330
100988		10	<1	0.55	10	1.41	1170	<1	0.06	5	1750	4	0.55	<2	10	440
100989		10	<1	0.74	10	1.47	1390	10	0.05	6	1720	7	0.92	<2	11	689
100990		<10	<1	0.04	10	0.20	554	5	0.09	32	1100	10	0.52	6	2	100
100991		10	1	0.66	10	1.48	1190	4	0.05	7	1790	4	0.58	<2	10	495
100992		10	<1	0.65	10	1.43	1155	5	0.05	3	1750	4	0.59	<2	10	475
100993		10	<1	0.62	10	1.49	1300	<1	0.05	7	1760	4	0.43	<2	10	528
100994		<10	1	0.39	20	0.52	538	6	0.02	15	1760	22	2.45	<2	2	1120
100995		<10	<1	0.59	10	0.53	815	4	0.02	11	1340	77	3.70	<2	2	1150
100996		<10	<1	0.70	20	0.76	565	9	0.02	13	1690	7	3.21	<2	2	1110
100997		10	<1	1.10	20	1.10	778	4	0.02	16	2310	9	4.04	<2	2	1110
100998		<10	<1	0.46	10	0.38	599	2	0.02	7	1020	10	3.68	<2	1	742
100999		10	<1	0.77	10	0.75	708	2	0.02	14	1380	10	3.92	<2	1	961
101000		<10	<1	0.02	<10	0.51	135	<1	<0.01	<1	90	<2	0.08	<2	<1	124
101001		<10	<1	0.39	10	0.36	500	3	0.02	9	1070	9	3.01	<2	1	1190
101002		<10	<1	0.33	10	0.16	546	1	0.02	7	950	10	3.83	<2	1	1140
101003		<10	1	0.28	10	0.13	357	1	0.03	6	1250	11	3.74	<2	<1	1340
101004		<10	<1	0.67	10	1.02	441	2	0.03	15	1210	11	2.97	<2	1	1165
101005		<10	<1	0.41	20	0.43	499	2	0.02	8	1790	18	3.01	<2	1	1360
101006		<10	<1	0.20	20	0.13	288	1	0.02	4	1670	7	4.97	<2	1	1410
101007		<10	1	0.56	40	0.94	1295	3	0.03	10	3760	26	6.08	<2	4	1565
101008		<10	<1	0.35	20	0.33	460	1	0.02	8	1970	9	6.24	<2	1	1480
101009		<10	<1	0.38	30	0.30	302	1	0.02	6	2290	3	7.69	<2	1	1820
101010		<10	1	0.03	10	0.21	604	35	0.07	34	1280	19	1.39	7	1	90



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	NI ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
101011		10	<1	1.99	30	2.14	1300	2	0.03	19	2490	335	6.68	<2	3	1595
101012		10	<1	1.61	30	1.53	1055	2	0.03	13	2460	83	7.70	<2	3	2040
101013		10	<1	2.30	40	2.58	1215	2	0.10	23	2860	12	7.94	<2	5	1920
101014		10	<1	1.35	30	1.49	652	<1	0.07	45	2700	11	6.74	<2	3	1590
101015		10	<1	0.60	40	0.57	430	1	0.04	35	4140	8	6.99	<2	3	1485
101016		10	<1	2.39	50	2.85	1080	1	0.09	47	4890	17	6.59	<2	4	1380
101017		10	<1	2.36	50	2.82	1065	1	0.09	47	4800	13	6.34	<2	4	1375
101018		10	<1	0.97	30	1.00	738	4	0.48	17	2560	21	5.93	<2	1	1615
101019		<10	<1	0.82	10	0.66	609	4	0.43	18	1600	32	7.49	<2	1	1715
101020		<10	<1	0.03	<10	0.77	139	<1	0.01	1	90	<2	0.06	<2	<1	114



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project: Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03042104</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100851		0.01	<10	<10	27	<10	23	
100852		0.02	<10	<10	27	<10	28	
100853		0.01	<10	<10	30	<10	50	
100854		0.04	<10	<10	32	<10	35	
100855		0.02	<10	<10	26	<10	31	
100856		0.08	<10	10	220	<10	55	
100857		0.10	<10	<10	73	<10	42	
100858		0.04	<10	<10	46	<10	33	
100859		0.02	<10	<10	23	<10	27	
100860		<0.01	<10	<10	<1	<10	<2	
100861		0.02	<10	<10	33	<10	28	
100862		0.02	<10	<10	30	<10	33	
100863		0.06	<10	<10	43	<10	31	
100864		0.04	<10	<10	42	<10	26	
100865		0.04	<10	<10	39	<10	23	
100866		0.04	<10	<10	38	<10	23	
100867		0.05	<10	<10	69	<10	30	
100868		0.01	<10	<10	20	<10	13	
100869		0.08	<10	10	137	<10	33	
100870		0.05	<10	<10	23	<10	57	
100871		0.15	<10	<10	132	<10	48	
100872		0.03	<10	<10	159	<10	50	
100873		0.01	<10	<10	51	<10	107	
100874		0.01	<10	<10	43	<10	26	
100875		0.01	<10	<10	38	<10	24	
100876		0.07	<10	<10	110	<10	36	
100877		0.01	<10	<10	60	<10	41	
100878		0.02	<10	<10	186	<10	55	
100879		0.03	<10	<10	240	<10	76	
100880		<0.01	<10	<10	<1	<10	<2	
100881		0.03	<10	<10	242	<10	63	
100882		0.03	<10	<10	80	<10	45	
100883		0.03	<10	<10	144	<10	54	
100884		0.04	<10	<10	123	<10	57	
100885		0.18	<10	<10	502	<10	107	
100886		0.11	<10	<10	329	<10	102	
100887		0.13	<10	<10	280	<10	132	
100888		0.11	<10	<10	173	<10	51	
100889		0.14	<10	<10	142	<10	43	
100890		0.05	<10	<10	33	<10	132	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
100891		0.01	<10	<10	107	<10	29	
100892		0.03	<10	<10	153	<10	52	
100893		0.03	<10	<10	91	<10	49	
100894		0.03	<10	<10	150	<10	55	
100895		0.10	<10	<10	212	<10	45	
100896		0.12	<10	10	244	<10	34	
100897		0.11	<10	10	238	<10	34	
100898		0.11	<10	<10	200	<10	50	
100899		0.06	<10	<10	325	<10	45	
100900		<0.01	<10	<10	<1	<10	<2	
100901		0.08	<10	<10	345	<10	45	
100902		0.11	<10	<10	168	<10	63	
100903		0.06	<10	<10	289	<10	37	
100904		0.05	<10	<10	163	<10	80	
100905		0.03	<10	<10	192	<10	57	
100906		0.06	<10	<10	579	<10	120	
100907		0.07	<10	<10	539	<10	205	
100908		0.03	<10	<10	103	<10	128	
100909		0.04	<10	<10	100	<10	206	
100910		0.01	<10	<10	10	<10	68	
100911		0.02	<10	<10	130	<10	147	
100912		0.01	<10	<10	118	<10	58	
100913		0.14	<10	<10	326	<10	257	
100914		0.07	<10	<10	170	<10	123	
100915		0.03	<10	<10	139	<10	133	
100916		0.02	<10	<10	219	<10	63	
100917		0.01	<10	<10	180	<10	70	
100918		0.01	<10	<10	150	<10	129	
100919		0.01	<10	<10	135	<10	86	
100920		<0.01	<10	<10	<1	<10	3	
100921		0.02	<10	<10	176	<10	44	
100922		0.03	<10	<10	234	<10	70	
100923		0.03	<10	<10	255	<10	83	
100924		0.02	<10	<10	282	<10	45	
100925		0.04	<10	<10	358	<10	68	
100926		0.12	<10	<10	173	<10	73	
100927		0.09	<10	<10	175	<10	69	
100928		0.03	<10	<10	352	<10	106	
100929		0.02	<10	<10	446	<10	260	
100930		0.05	<10	<10	25	<10	53	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03042104</b>
--------------------------------	-------------------

Method Analyte Units LOR	ME-ICP41 TI % 0.01	ME-ICP41 TI ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-AA46 Cu % 0.01
100931	0.03	<10	<10	470	<10	93	
100932	0.02	<10	<10	565	<10	64	
100933	0.02	<10	<10	551	<10	255	
100934	0.02	<10	<10	518	<10	79	
100935	0.06	<10	<10	113	<10	45	
100936	0.02	<10	<10	116	<10	35	
100937	0.10	<10	<10	104	<10	36	
100938	0.05	<10	<10	99	<10	52	
100939	0.01	<10	<10	191	<10	62	1.37
100940	<0.01	<10	<10	2	<10	6	
100941	<0.01	<10	<10	39	<10	28	
100942	<0.01	<10	<10	24	<10	13	
100943	0.01	<10	<10	44	<10	28	
100944	0.04	<10	<10	203	<10	54	
100945	0.04	<10	<10	197	<10	53	
100946	0.02	<10	<10	176	<10	65	
100947	0.03	<10	<10	217	<10	80	
100948	0.02	<10	<10	276	<10	66	
100949	0.03	<10	<10	354	<10	77	
100950	0.05	<10	<10	36	<10	125	
100951	0.01	<10	<10	184	<10	80	
100952	0.06	<10	<10	387	<10	69	
100953	0.01	<10	<10	259	<10	145	
100954	0.02	<10	<10	262	<10	282	
100955	0.02	<10	<10	234	<10	169	
100956	0.01	<10	<10	208	<10	180	
100957	0.01	<10	<10	213	<10	348	2.04
100958	0.04	<10	<10	333	<10	325	1.49
100959	0.05	<10	<10	335	<10	94	
100960	0.05	<10	<10	335	<10	97	
100961	0.02	<10	<10	255	<10	110	1.92
100962	0.04	<10	<10	178	<10	62	
100963	0.03	<10	<10	168	<10	69	
100964	0.02	<10	<10	96	<10	96	
100965	0.07	<10	<10	68	<10	50	
100966	0.10	<10	<10	72	<10	56	
100967	0.03	<10	<10	102	<10	109	1.51
100968	0.02	<10	<10	133	<10	88	2.41
100969	0.02	<10	<10	196	<10	253	1.73
100970	0.01	<10	<10	11	<10	75	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03042104</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Cu-AA46 Cu %
		0.01	10	10	1	10	2	0.01
100971		0.01	<10	<10	59	<10	49	
100972		0.01	<10	<10	54	<10	45	
100973		0.03	<10	<10	48	<10	53	
100974		0.02	<10	<10	59	<10	47	
100975		0.02	<10	<10	57	<10	46	
100976		0.07	<10	<10	437	<10	104	
100977		0.03	<10	<10	236	<10	69	
100978		0.04	<10	<10	277	<10	71	
100979		0.04	<10	<10	137	<10	58	
100980		<0.01	<10	<10	1	<10	2	
100981		0.03	<10	<10	59	<10	43	
100982		0.10	<10	<10	66	<10	61	
100983		0.04	<10	<10	63	<10	130	
100984		0.01	<10	<10	110	<10	80	1.65
100985		0.03	<10	<10	362	<10	61	1.58
100986		0.04	<10	<10	251	<10	50	2.37
100987		0.02	<10	<10	165	<10	33	
100988		0.16	<10	<10	160	<10	60	
100989		0.10	<10	<10	165	<10	85	
100990		0.04	<10	<10	25	<10	54	
100991		0.04	<10	<10	156	<10	72	
100992		0.04	<10	<10	153	<10	72	
100993		0.05	<10	<10	146	<10	78	
100994		0.02	<10	<10	354	<10	47	1.85
100995		0.03	<10	<10	201	<10	176	1.26
100996		0.04	<10	<10	137	<10	42	
100997		0.07	<10	<10	120	<10	95	
100998		0.05	<10	<10	138	<10	56	1.23
100999		0.08	<10	<10	310	<10	59	2.01
101000		<0.01	<10	<10	3	<10	<2	
101001		0.02	<10	<10	130	<10	50	1.56
101002		0.01	<10	<10	136	<10	41	1.73
101003		0.01	<10	<10	93	<10	28	
101004		0.04	<10	<10	85	<10	52	
101005		0.02	<10	<10	71	<10	43	
101006		0.01	<10	<10	65	<10	20	
101007		0.04	<10	<10	151	<10	74	
101008		0.05	<10	10	68	<10	47	
101009		0.08	<10	10	37	<10	32	
101010		0.05	<10	<10	39	<10	129	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042104

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101011		0.17	<10	<10	130	<10	377	
101012		0.13	<10	<10	103	<10	247	
101013		0.22	<10	<10	201	<10	311	1.37
101014		0.17	<10	<10	148	<10	272	2.02
101015		0.16	<10	10	164	<10	201	2.17
101016		0.23	<10	<10	157	<10	395	2.33
101017		0.23	<10	<10	157	<10	384	2.30
101018		0.15	<10	<10	71	<10	264	
101019		0.16	<10	<10	79	<10	421	1.54
101020		<0.01	<10	<10	2	<10	3	





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 1  
Date : 29-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03042590

Project : Galore Creek

P.O. No:

This report is for 150 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 21-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

*Hole GC03-442 (partial)*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101021		3.72	0.482	7.4	1.96	14	<10	30	1.0	<2	5.48	0.8	44	6	>10000	3.60
101022		4.34	2.04	3.9	1.67	7	<10	30	1.0	<2	6.16	<0.5	39	8	>10000	5.06
101023		4.40	0.981	9.3	1.61	6	<10	30	1.2	<2	5.37	<0.5	34	1	>10000	4.02
101024		4.42	0.645	4.3	2.32	5	<10	30	2.1	<2	6.62	1.3	27	4	9730	3.58
101025		4.28	0.187	1.2	2.68	7	<10	40	2.7	<2	7.52	<0.5	18	5	4500	3.82
101026		4.54	0.281	3.4	2.74	8	<10	100	1.9	<2	8.34	<0.5	19	31	4780	4.67
101027		5.02	0.640	4.2	3.23	8	<10	50	3.3	<2	8.33	1.0	38	2	>10000	4.97
101028		4.32	0.971	6.6	2.06	10	<10	40	2.1	<2	7.34	3.1	39	6	>10000	5.23
101029		4.58	1.245	6.8	2.46	7	<10	30	2.3	<2	6.95	2.7	35	<1	>10000	4.97
101030		0.08	0.028	18.4	0.40	12	<10	130	<0.5	<2	0.98	<0.5	3	45	6120	1.32
101031		4.08	0.447	2.9	2.83	5	<10	60	4.5	<2	8.06	0.5	22	10	6460	3.70
101032		4.98	0.617	3.5	3.40	7	<10	110	4.7	<2	8.63	1.8	25	9	8820	4.58
101033		4.68	0.469	2.6	2.59	7	<10	50	3.4	<2	9.64	1.6	22	9	6200	3.81
101034		4.74	0.221	3.2	1.82	8	<10	30	1.5	<2	12.45	1.2	20	4	6140	4.31
101035		4.18	0.393	3.8	2.18	3	<10	80	1.3	<2	6.08	1.6	29	6	8530	3.80
101036		4.44	0.327	3.0	2.46	5	<10	50	1.5	<2	6.71	1.2	33	3	6390	3.95
101037		4.48	0.473	6.5	2.18	10	<10	30	1.4	2	7.16	3.4	37	5	>10000	4.84
101038		4.70	0.684	5.5	2.71	5	<10	50	1.4	<2	8.11	2.7	49	5	>10000	6.17
101039		4.42	0.572	7.6	2.74	7	<10	80	1.7	<2	7.59	5.0	75	9	>10000	6.05
101040		0.46	<0.005	<0.2	0.04	2	<10	30	<0.5	<2	>15.0	<0.5	<1	1	84	0.12
101041		4.88	0.332	5.2	2.76	6	<10	80	1.7	<2	7.93	3.3	68	5	>10000	5.49
101042		5.10	0.240	2.3	3.38	12	<10	90	3.4	2	8.75	1.6	56	3	5300	7.54
101043		5.12	0.235	6.0	2.74	8	<10	90	2.2	<2	8.34	2.0	36	5	5620	5.54
101044			0.244	5.1	2.88	9	<10	100	2.2	<2	8.99	2.3	39	3	6030	6.01
101045		5.20	0.416	6.5	2.50	5	<10	40	2.2	<2	8.38	2.9	43	3	8250	5.28
101046		5.00	0.368	9.1	2.65	12	<10	40	2.6	<2	7.21	6.5	47	1	>10000	5.59
101047		4.48	0.724	13.0	2.22	14	<10	20	1.4	<2	6.82	5.9	59	3	>10000	5.29
101048		4.32	0.192	5.0	2.05	10	<10	30	1.6	<2	6.99	2.6	45	11	5560	5.01
101049		4.42	0.017	0.5	2.32	5	<10	40	0.9	<2	7.99	0.6	18	122	568	5.54
101050		0.12	2.95	0.5	1.24	5510	10	20	<0.5	15	4.37	0.5	153	26	57	2.69
101051		4.88	0.052	1.3	2.54	23	<10	50	0.5	<2	6.87	<0.5	22	133	1550	5.38
101052		4.78	0.014	0.9	2.50	7	<10	40	0.5	<2	5.47	0.6	24	135	706	4.50
101053		4.90	0.019	1.0	2.32	8	<10	50	0.9	<2	6.00	0.7	24	125	884	4.33
101054			0.020	1.2	2.33	7	<10	50	0.9	<2	6.01	0.8	25	130	900	4.32
101055		4.66	0.014	0.6	2.28	7	<10	40	0.9	<2	6.20	<0.5	19	121	519	4.20
101056		4.74	0.027	1.5	2.15	4	<10	50	0.5	<2	5.60	0.9	21	123	1035	4.48
101057		4.82	0.069	2.6	2.29	7	<10	50	0.6	<2	6.27	1.0	24	119	1730	5.02
101058		4.56	0.020	0.9	2.25	3	<10	40	1.2	<2	7.29	<0.5	25	124	607	4.71
101059		4.80	0.008	0.9	2.42	5	<10	40	1.7	<2	6.35	<0.5	23	118	544	4.25
101060		0.50	<0.005	<0.2	0.03	3	<10	50	<0.5	<2	>15.0	<0.5	<1	2	7	0.09



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

**CERTIFICATE OF ANALYSIS VA03042590**

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101061	4.66	0.037	1.5	2.35	4	<10	40	0.6	<2	6.66	<0.5	28	104	1025	5.36
101062	4.68	0.014	0.9	2.34	2	<10	40	0.6	<2	7.46	<0.5	17	96	556	5.61
101063	4.62	0.095	3.6	1.96	4	<10	40	0.8	<2	5.85	2.5	20	88	2500	4.71
101064	5.34	0.047	2.1	2.27	7	<10	40	0.7	<2	5.96	1.5	22	96	1270	4.62
101065	5.44	<0.005	0.4	1.04	<2	<10	170	0.9	<2	2.88	<0.5	7	24	89	2.27
101066	4.38	0.030	1.5	2.18	6	<10	40	0.8	<2	5.97	0.7	21	114	866	4.55
101067	4.50	0.021	1.2	2.31	3	<10	30	0.7	<2	6.66	0.7	24	110	833	4.96
101068	4.54	0.028	1.5	2.15	5	<10	30	0.6	<2	7.30	0.7	25	100	910	4.49
101069	4.66	0.018	1.1	2.28	3	<10	40	0.6	<2	6.92	0.7	21	118	741	4.70
101070	0.10	0.513	0.7	0.93	3530	40	20	<0.5	20	5.78	0.6	105	12	121	3.31
101071	4.84	0.020	1.2	2.33	16	<10	40	0.5	<2	7.02	0.5	28	98	906	5.55
101072	4.66	0.023	1.4	2.19	8	<10	40	0.5	<2	8.38	1.4	31	94	948	5.45
101073	4.94	0.013	1.4	2.02	6	<10	30	0.5	<2	7.58	0.9	20	99	862	4.56
101074	3.26	0.022	1.5	1.33	6	<10	40	0.8	<2	6.71	2.2	19	92	1230	3.99
101075	3.72	0.010	0.5	1.94	5	<10	40	0.7	<2	6.80	<0.5	11	71	312	4.23
101076	4.66	0.007	0.5	2.26	3	<10	40	0.7	<2	6.14	<0.5	13	72	379	4.29
101077		0.005	0.4	2.34	3	<10	40	0.7	<2	6.18	<0.5	13	69	436	4.40
101078	4.64	0.010	1.1	2.24	4	<10	40	0.9	<2	5.91	<0.5	15	71	410	4.10
101079	4.20	0.035	1.0	2.21	8	<10	40	1.0	<2	6.15	<0.5	17	76	549	4.20
101080	0.60	<0.005	<0.2	0.03	<2	<10	30	<0.5	<2	>15.0	<0.5	<1	1	4	0.14
101081	4.28	0.020	1.1	2.13	4	<10	40	0.8	<2	6.26	0.7	26	74	625	4.43
101082	4.48	0.012	0.9	2.35	4	<10	40	0.7	<2	5.64	<0.5	18	78	586	3.98
101083	4.86	0.013	1.0	2.18	5	<10	40	0.6	<2	5.06	<0.5	21	83	596	3.79
101084	4.62	0.010	1.0	2.11	7	<10	40	0.7	<2	5.74	<0.5	18	84	417	3.68
101085	5.58	0.013	0.8	1.91	6	<10	40	0.5	<2	5.06	<0.5	16	87	359	3.44
101086	5.28	0.005	0.4	1.84	<2	<10	50	0.8	<2	6.24	<0.5	12	35	124	4.21
101087	5.12	0.009	0.8	1.97	3	<10	40	0.9	<2	6.34	0.5	13	99	336	3.18
101088	4.58	0.008	1.2	2.24	5	<10	50	0.7	<2	5.45	0.9	19	99	484	3.69
101089	4.56	<0.005	0.7	2.17	8	<10	40	0.6	<2	5.71	<0.5	13	68	174	3.27
101090	0.08	0.022	18.1	0.40	11	<10	130	<0.5	<2	0.98	<0.5	3	45	6180	1.30
101091	5.34	0.006	0.9	1.92	<2	<10	40	0.5	<2	4.53	<0.5	17	96	386	2.64
101092	5.12	<0.005	0.6	1.96	4	<10	40	0.6	<2	5.76	<0.5	12	103	136	2.91
101093	4.18	<0.005	<0.2	2.32	7	<10	30	0.6	<2	6.25	<0.5	14	104	209	3.62
101094	4.12	0.009	0.2	2.27	2	<10	30	0.8	<2	6.35	<0.5	14	111	74	4.09
101095	4.04	0.009	0.4	2.23	2	<10	30	0.7	<2	5.87	<0.5	15	119	244	3.85
101096		0.010	0.5	1.97	<2	<10	40	0.6	<2	5.82	0.6	14	118	327	3.44
101097	4.64	0.010	0.2	2.04	3	<10	30	0.7	<2	6.88	<0.5	12	88	228	3.46
101098	4.36	0.017	<0.2	2.38	4	<10	30	0.9	<2	7.53	<0.5	14	96	77	3.31
101099	4.34	<0.005	0.4	2.58	2	<10	40	0.9	<2	5.45	<0.5	16	92	55	3.16
101100	0.60	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15.0	<0.5	<1	2	2	0.12



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101101		4.46	<0.005	0.2	2.03	<2	<10	60	0.8	<2	4.88	1.2	14	91	142	2.64
101102		4.88	<0.005	0.2	2.27	<2	<10	40	0.6	<2	6.66	0.5	15	101	78	3.33
101103		4.34	<0.005	0.4	1.92	<2	<10	50	0.6	<2	5.55	<0.5	13	109	87	3.08
101104		4.28	0.007	0.2	2.06	<2	<10	60	0.8	<2	5.23	0.5	13	113	66	3.28
101105		4.38	<0.005	<0.2	2.00	<2	<10	100	0.8	<2	4.41	<0.5	13	105	53	3.73
101106		4.64	0.006	0.2	2.17	<2	<10	80	0.6	<2	4.33	0.5	16	119	127	3.56
101107		5.22	<0.005	0.3	2.34	6	<10	70	0.9	<2	5.51	<0.5	26	150	168	3.86
101108		4.52	<0.005	<0.2	1.98	3	<10	90	0.6	<2	4.94	<0.5	14	122	15	3.23
101109		3.40	<0.005	<0.2	1.72	<2	<10	40	0.6	<2	5.60	<0.5	15	101	84	3.55
101110		0.10	2.90	0.6	1.32	5990	<10	20	<0.5	15	4.43	0.8	166	29	56	2.85
101111		5.86	0.043	1.5	0.54	11	<10	70	1.0	6	4.31	0.9	7	13	450	1.38
101112		4.46	0.050	<0.2	1.10	4	<10	50	0.9	<2	5.40	<0.5	11	17	135	3.27
101113		4.58	0.008	<0.2	1.02	4	<10	60	1.4	<2	4.83	<0.5	10	17	114	2.71
101114		4.36	0.011	0.2	1.04	4	<10	40	1.0	<2	4.82	<0.5	10	45	190	2.95
101115		4.08	0.006	<0.2	1.14	<2	<10	130	1.0	<2	3.22	<0.5	6	14	108	2.58
101116		4.28	0.009	<0.2	1.13	3	<10	160	1.0	<2	3.53	<0.5	7	8	121	2.71
101117		4.46	0.229	1.6	1.35	<2	<10	110	1.3	4	3.34	2.2	8	13	326	3.07
101118		4.08	<0.005	<0.2	1.04	<2	<10	170	0.8	<2	2.92	<0.5	7	10	37	2.23
101119		4.12	<0.005	<0.2	1.28	<2	<10	120	0.9	<2	2.89	<0.5	7	16	78	2.59
101120		0.60	<0.005	<0.2	0.02	2	<10	30	<0.5	<2	>15.0	<0.5	<1	1	6	0.08
101121		4.42	<0.005	<0.2	1.14	<2	<10	110	0.9	<2	3.02	0.6	7	24	86	2.35
101122		4.56	<0.005	0.3	1.18	3	<10	100	0.9	<2	2.80	0.9	7	14	90	2.61
101123			<0.005	0.2	1.18	<2	<10	110	0.9	<2	2.81	1.1	6	16	95	2.59
101124		3.42	0.005	0.3	1.17	3	<10	100	0.9	<2	3.48	<0.5	9	29	225	2.76
101125		5.98	0.020	0.9	2.75	11	<10	40	0.8	<2	5.35	<0.5	29	31	686	6.34
101126		4.04	0.012	0.3	1.58	<2	<10	40	<0.5	<2	4.39	1.7	13	94	362	3.29
101127		4.20	0.080	1.4	1.38	2	<10	30	<0.5	2	5.10	0.6	15	94	1025	3.02
101128		4.84	0.066	3.9	1.33	<2	<10	40	<0.5	7	4.49	0.5	16	92	891	2.79
101129		4.66	0.007	0.7	1.40	<2	<10	40	<0.5	2	4.84	0.8	13	104	288	2.84
101130		0.10	0.511	0.6	1.04	3820	40	20	<0.5	24	6.23	1.1	113	13	126	3.77
101131		4.70	0.027	1.1	1.52	6	<10	30	<0.5	<2	5.80	0.5	17	92	849	3.34
101132		4.50	0.029	0.7	1.28	3	<10	30	<0.5	<2	4.28	2.1	21	96	807	3.07
101133		4.68	0.043	1.6	1.08	<2	<10	40	<0.5	2	3.59	0.8	20	80	1175	2.87
101134		4.66	0.021	1.2	1.98	5	<10	30	0.7	<2	6.01	1.5	24	121	873	3.78
101135		4.38	0.013	0.7	2.21	2	<10	30	0.5	<2	6.59	<0.5	21	125	588	4.28
101136		4.88	0.050	1.5	2.26	6	<10	30	0.6	<2	8.27	1.2	24	127	947	4.60
101137			0.035	2.0	2.23	2	<10	30	0.6	2	7.94	0.9	24	143	1035	4.58
101138		4.90	0.028	1.6	1.92	<2	<10	20	0.7	<2	7.61	1.1	21	174	1005	4.14
101139		4.82	0.014	0.7	2.39	5	<10	30	0.6	<2	6.25	0.6	22	202	705	4.99
101140		0.42	<0.005	<0.2	0.05	<2	<10	40	<0.5	<2	>15.0	<0.5	<1	7	5	0.12



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

**CERTIFICATE OF ANALYSIS**      **VA03042590**

Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
Sample Description	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
101141	4.74	0.013	0.6	2.27	<2	<10	30	0.6	<2	6.45	0.5	19	169	614	4.57
101142	4.78	0.013	0.9	2.14	3	<10	30	0.6	<2	6.90	1.6	21	157	648	4.62
101143	4.54	0.021	2.2	2.02	<2	<10	30	0.5	7	7.46	0.6	16	151	936	4.37
101144	4.68	0.009	0.5	2.06	5	<10	30	0.6	<2	7.21	0.9	18	163	452	4.50
101145	4.56	0.009	0.9	1.72	2	<10	30	<0.5	<2	7.28	0.9	17	97	383	3.35
101146	4.32	0.012	1.2	1.82	2	<10	30	0.5	<2	7.61	1.9	31	146	821	3.90
101147	4.08	0.013	1.3	1.77	<2	<10	20	0.5	<2	8.00	2.0	27	147	725	4.11
101148	4.50	0.028	1.8	1.78	5	<10	20	0.5	<2	6.62	1.7	42	146	1105	4.42
101149	4.76	0.076	2.0	1.76	<2	<10	20	0.5	5	7.81	0.7	19	133	827	3.95
101150	0.06	0.035	19.1	0.42	10	<10	140	<0.5	2	1.00	0.5	3	48	6380	1.46
101151	4.18	0.018	1.4	1.94	<2	<10	30	0.7	<2	6.96	1.1	19	150	811	3.94
101152	4.28	0.010	1.0	1.86	2	<10	20	0.5	<2	6.42	1.2	26	137	719	4.12
101153	4.62	0.010	0.9	1.90	5	<10	30	<0.5	<2	6.89	0.9	20	136	667	4.48
101154	4.36	0.021	1.2	2.52	<2	<10	30	0.6	<2	6.39	0.6	21	167	750	5.30
101155		0.016	1.1	2.41	<2	<10	40	0.6	<2	6.35	0.6	20	179	743	5.21
101156	4.66	0.024	1.4	2.85	<2	<10	50	0.7	2	6.01	<0.5	14	194	401	5.06
101157	4.58	<0.005	<0.2	3.31	<2	<10	60	0.8	<2	5.77	<0.5	16	206	72	4.99
101158	4.32	0.005	<0.2	2.77	<2	<10	50	0.6	<2	6.52	<0.5	15	213	62	4.89
101159	4.38	<0.005	<0.2	2.66	<2	<10	40	0.9	<2	6.08	<0.5	17	232	146	4.48
101160	0.60	<0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15.0	<0.5	<1	11	3	0.09
101161	4.38	<0.005	0.2	2.89	2	<10	40	0.8	2	7.81	1.9	15	172	186	5.34
101162	4.74	0.012	<0.2	2.62	<2	<10	40	0.8	<2	5.87	<0.5	14	241	122	4.24
101163	4.50	0.009	0.6	2.78	<2	<10	50	0.9	<2	6.32	<0.5	15	210	132	4.53
101164	4.72	0.005	0.7	2.54	4	<10	50	0.7	2	6.42	0.8	16	172	215	4.20
101165	5.44	0.016	<0.2	2.79	<2	<10	80	0.5	<2	6.28	<0.5	17	186	152	4.85
101166	3.64	0.010	0.4	1.56	<2	<10	80	1.9	<2	4.32	1.1	5	34	241	1.81
101167	4.20	0.029	0.6	1.05	<2	<10	170	1.3	3	2.95	0.9	7	40	383	1.70
101168	4.52	<0.005	<0.2	2.34	<2	<10	40	1.2	<2	6.37	0.7	17	146	101	3.69
101169	4.04	0.007	<0.2	2.11	<2	<10	60	0.9	<2	5.95	<0.5	14	125	31	3.99
101170	0.10	2.81	0.3	1.37	5940	10	20	<0.5	16	4.58	0.9	166	27	54	2.99



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	1	10	2	0.01	2	1	1
101021	10	<1	1.32	10	1.28	836	4	0.48	17	1660	8	5.63	<2	1	1500	
101022	10	<1	1.04	20	0.87	862	1	0.35	8	1470	14	5.13	<2	1	1795	
101023	10	1	1.00	20	0.85	777	2	0.47	3	1230	12	4.37	<2	1	1590	
101024	10	1	0.96	20	0.86	834	2	1.02	5	1240	7	5.68	<2	4	1680	
101025	10	1	1.18	20	1.25	1290	2	0.89	5	1310	3	5.23	<2	6	1685	
101026	10	1	1.14	10	1.24	1890	3	0.82	10	1330	6	4.38	<2	7	1320	
101027	10	1	2.11	30	2.31	2060	2	0.57	20	2100	9	6.13	<2	9	1690	
101028	10	1	0.86	20	0.88	1305	2	0.58	24	1670	18	5.99	<2	5	1625	
101029	10	1	0.99	20	1.20	1395	3	0.73	13	1950	20	6.05	<2	5	1560	
101030	<10	<1	0.17	<10	0.13	215	102	0.02	8	210	37	0.84	33	1	184	
101031	10	1	1.48	20	1.79	1665	3	0.70	9	1220	6	5.61	<2	4	1585	
101032	10	1	1.36	20	1.75	2160	3	1.26	5	1540	7	4.81	<2	5	1090	
101033	10	1	1.58	30	1.70	2060	3	0.43	3	1810	29	6.27	<2	4	1815	
101034	10	1	1.41	20	1.50	1825	2	0.03	8	1340	54	8.65	<2	5	2710	
101035	10	<1	1.22	20	1.37	1440	2	0.35	8	1250	65	4.82	<2	4	1365	
101036	10	<1	1.27	10	1.42	1515	2	0.48	3	1220	8	4.93	<2	5	1530	
101037	10	1	1.50	10	1.71	2030	7	0.09	3	1270	253	5.02	<2	6	1470	
101038	10	1	1.69	10	1.92	2040	1	0.40	4	1020	5	5.92	<2	6	1425	
101039	10	1	1.37	20	1.79	2170	2	0.49	8	1600	14	5.58	<2	7	1205	
101040	<10	<1	0.03	<10	0.53	114	<1	<0.01	<1	100	<2	<0.5	<2	<1	120	
101041	10	1	1.83	20	2.30	2550	2	0.24	4	1500	18	5.37	<2	5	1550	
101042	10	1	2.66	30	2.80	3090	3	0.09	7	2360	9	4.47	<2	5	1070	
101043	10	<1	2.10	30	2.31	3020	2	0.03	7	1900	40	4.06	<2	6	1015	
101044	10	1	2.24	30	2.55	3300	1	0.03	6	2030	48	4.31	<2	6	1050	
101045	10	<1	1.97	20	2.05	2530	2	0.03	6	1340	10	5.18	<2	4	1285	
101046	10	1	1.86	20	2.00	2440	4	0.02	14	1640	130	4.66	<2	4	1385	
101047	10	<1	1.38	20	1.65	1960	4	0.01	3	1620	134	6.27	<2	4	1715	
101048	10	1	0.87	20	1.76	2080	4	0.03	4	1370	61	4.83	<2	6	1960	
101049	10	1	2.03	20	3.03	3220	1	0.06	28	1830	46	3.08	<2	29	1365	
101050	<10	<1	0.04	10	0.20	517	5	0.09	30	1040	8	0.48	7	2	95	
101051	10	<1	2.49	10	3.35	3150	2	0.05	36	1930	42	2.38	<2	30	1090	
101052	10	<1	2.39	10	3.16	2900	2	0.04	36	2080	84	1.74	<2	28	886	
101053	10	<1	2.15	10	2.98	2790	3	0.04	35	1980	31	2.07	<2	27	1150	
101054	10	<1	2.13	10	2.97	2780	3	0.04	33	2010	29	2.10	<2	27	1150	
101055	10	<1	2.19	10	2.99	2850	2	0.03	32	1780	26	2.28	<2	27	1120	
101056	10	1	2.13	10	2.80	2610	3	0.03	32	1520	79	2.11	<2	27	1115	
101057	10	1	2.21	10	2.76	2940	3	0.03	33	1640	18	2.58	<2	31	1225	
101058	10	<1	2.18	10	2.86	2870	3	0.04	33	1590	26	3.07	<2	27	1390	
101059	10	1	2.19	10	3.00	2690	2	0.04	29	1660	34	2.59	<2	27	1160	
101060	<10	<1	0.02	<10	0.49	108	<1	<0.01	<1	90	<2	<0.5	<2	<1	118	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
101061		10	<1	2.51	10	2.93	2720	2	0.02	28	1500	27	3.31	<2	28	1380
101062		10	<1	2.47	10	2.86	2910	1	0.02	27	1490	14	3.61	<2	27	1585
101063		10	<1	1.83	10	2.30	2330	3	0.03	16	1510	19	2.96	<2	18	1535
101064		10	<1	2.03	10	2.63	2280	9	0.03	23	1630	10	3.13	<2	22	1550
101065		10	<1	0.58	10	0.81	780	2	0.05	3	1070	18	1.10	<2	6	751
101066		10	<1	2.14	10	2.75	2810	11	0.03	28	1530	84	2.83	<2	26	1155
101067		10	1	2.28	10	2.81	2710	2	0.03	27	1510	26	3.32	<2	29	1450
101068		10	<1	2.08	10	2.71	2620	1	0.03	30	1530	22	3.64	<2	26	1590
101069		10	<1	2.15	10	2.67	2500	1	0.02	26	1550	35	3.46	<2	27	1465
101070		<10	<1	0.04	10	0.21	577	33	0.07	30	1260	16	1.30	9	1	91
101071		10	<1	2.24	10	2.57	2620	1	0.02	34	1660	15	3.69	<2	25	1495
101072		10	<1	1.93	10	2.33	2760	2	0.02	25	1570	27	4.20	<2	25	1750
101073		10	<1	1.80	10	2.46	2590	3	0.02	24	1600	29	4.02	<2	24	1700
101074		10	<1	1.41	10	2.47	2780	3	0.05	28	1530	14	2.64	<2	24	1725
101075		10	<1	1.94	10	2.35	2610	<1	0.03	25	1490	4	2.80	<2	24	1590
101076		10	<1	2.02	10	2.26	2460	2	0.02	25	1580	4	2.89	<2	22	1460
101077		10	1	2.05	10	2.32	2540	2	0.02	26	1610	4	2.86	<2	22	1450
101078		10	<1	1.90	10	2.13	2400	5	0.02	26	1620	11	2.64	<2	22	1295
101079		10	<1	2.03	10	2.24	2610	7	0.02	26	1590	33	2.98	<2	21	1445
101080		<10	<1	0.02	<10	0.47	144	<1	<0.01	<1	90	2	<0.5	<2	<1	129
101081		10	<1	2.09	10	2.13	2520	3	0.03	27	1590	33	3.84	<2	20	1540
101082		10	1	2.23	10	2.36	2650	2	0.02	27	1620	47	3.17	<2	22	1315
101083		10	<1	1.98	20	2.26	2460	1	0.02	31	1600	19	3.02	<2	18	1365
101084		10	1	1.96	20	2.09	2480	1	0.02	29	1520	13	3.08	<2	20	1815
101085		10	<1	1.87	90	2.11	2360	2	0.02	36	1490	29	2.97	<2	20	1780
101086		10	<1	1.16	10	1.77	1775	1	0.04	13	1630	14	2.77	<2	13	1195
101087		10	<1	1.77	10	2.25	2510	2	0.05	35	1400	14	3.38	<2	20	1720
101088		10	<1	1.96	20	2.28	2670	2	0.02	32	1420	26	2.88	<2	20	1455
101089		10	<1	1.90	40	2.22	2400	3	0.02	25	1420	19	3.98	<2	16	2200
101090		<10	1	0.18	<10	0.14	214	96	0.02	7	210	35	0.83	31	1	193
101091		10	<1	1.99	20	2.38	1935	5	0.03	29	1490	7	3.77	<2	8	1905
101092		10	<1	1.79	10	2.18	2280	2	0.02	31	1380	17	3.36	<2	21	2140
101093		10	<1	1.82	10	2.40	2580	1	0.03	40	1470	18	3.39	<2	23	2160
101094		10	<1	1.95	10	2.33	2750	1	0.03	34	1400	26	2.96	2	22	1905
101095		10	<1	1.69	20	2.43	2680	1	0.03	36	1370	33	2.89	3	24	1955
101096		10	<1	1.58	20	2.21	2450	1	0.03	35	1320	42	2.94	<2	23	1955
101097		10	<1	1.68	10	2.07	2480	1	0.02	34	1550	23	4.05	2	19	2240
101098		10	<1	1.95	30	2.48	2660	<1	0.02	35	1590	26	4.44	<2	19	2440
101099		10	<1	2.02	80	2.83	2920	1	0.02	41	1710	23	3.13	2	20	2010
101100		<10	<1	0.01	10	0.76	142	<1	<0.01	<1	80	3	0.03	2	<1	122



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
101101	10	<1	1.73	20	2.34	2290	1	0.05	32	1490	39	2.45	<2	17	1690	
101102	10	<1	1.86	10	2.48	2790	1	0.03	37	1580	36	3.28	<2	19	1955	
101103	10	<1	1.63	10	2.34	2470	1	0.03	37	1360	55	2.72	<2	20	1790	
101104	10	1	1.82	10	2.60	2660	<1	0.02	40	1330	25	2.35	<2	21	1510	
101105	10	1	1.79	10	2.43	2500	2	0.04	34	1280	8	1.36	<2	20	983	
101106	10	<1	2.03	30	2.82	2780	2	0.03	37	1420	21	1.52	<2	24	977	
101107	10	1	2.06	40	3.45	2410	2	0.05	110	1970	46	1.86	<2	12	778	
101108	10	<1	1.65	20	2.68	2180	1	0.03	59	1500	64	1.48	<2	16	1035	
101109	10	<1	1.42	10	2.33	2030	1	0.03	39	1140	6	2.31	<2	18	1320	
101110	<10	<1	0.04	10	0.21	537	5	0.09	32	1060	7	0.50	7	2	93	
101111	<10	<1	0.30	20	0.23	478	6	0.05	5	280	36	2.27	<2	1	1255	
101112	<10	<1	0.35	20	1.06	918	2	0.03	6	1050	3	1.95	2	7	1210	
101113	10	<1	0.28	20	0.80	1000	1	0.03	4	960	4	1.71	<2	6	1125	
101114	10	<1	0.60	20	1.22	1585	4	0.04	16	970	11	2.14	2	10	1570	
101115	10	<1	0.27	10	0.72	1090	2	0.04	2	910	9	0.83	<2	5	614	
101116	10	<1	0.23	10	0.73	1090	4	0.04	2	1030	15	1.05	2	6	975	
101117	10	<1	0.24	10	0.89	1245	3	0.04	4	1300	133	0.73	2	6	744	
101118	10	<1	0.17	10	0.66	881	2	0.04	3	890	15	0.69	<2	4	917	
101119	10	<1	0.16	10	0.82	1070	2	0.04	3	1080	20	0.73	<2	6	858	
101120	<10	<1	0.01	<10	0.43	107	<1	<0.01	<1	90	3	0.02	<2	<1	116	
101121	10	<1	0.15	10	0.72	1010	2	0.04	3	920	30	0.79	<2	5	904	
101122	10	<1	0.16	10	0.75	1085	2	0.04	4	980	34	0.80	<2	5	798	
101123	10	<1	0.17	10	0.75	1065	2	0.04	3	970	31	0.81	<2	5	874	
101124	10	<1	0.33	10	1.03	1200	2	0.04	12	960	9	1.23	<2	8	1285	
101125	10	<1	2.14	20	2.76	1465	3	0.05	21	3020	18	3.55	2	15	832	
101126	10	<1	1.55	10	1.99	2010	7	0.03	37	860	24	2.19	2	16	1755	
101127	10	<1	1.39	10	1.68	1710	3	0.04	43	940	14	3.27	<2	14	1585	
101128	10	<1	1.33	10	1.71	1655	1	0.04	33	870	28	2.61	<2	14	1445	
101129	10	<1	1.40	10	1.83	1935	1	0.03	34	810	20	2.59	2	16	1635	
101130	<10	<1	0.04	10	0.23	639	37	0.07	33	1350	19	1.46	10	1	94	
101131	10	<1	1.47	10	1.87	1955	1	0.03	35	870	8	3.22	<2	16	1605	
101132	10	<1	1.30	10	1.59	1620	1	0.04	34	860	7	2.72	<2	14	1345	
101133	<10	<1	1.12	20	1.33	1340	1	0.05	33	850	7	2.12	<2	11	1055	
101134	10	1	1.99	30	2.45	2530	1	0.03	45	1540	15	3.50	<2	21	1380	
101135	10	<1	2.15	10	2.78	3090	2	0.02	49	1640	12	3.69	3	25	1505	
101136	10	<1	2.27	10	2.91	3170	2	0.02	52	1790	9	5.10	<2	24	1755	
101137	10	<1	2.24	10	2.75	2970	3	0.03	55	1700	10	4.83	<2	25	1800	
101138	10	<1	2.01	10	2.42	2740	3	0.03	53	1600	21	4.43	<2	22	1630	
101139	10	<1	2.33	10	2.88	3300	1	0.03	53	1780	8	3.06	<2	28	1290	
101140	<10	1	0.03	10	0.56	126	<1	0.01	<1	90	<2	0.04	<2	<1	113	





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 5-B

Total # of pages : 5 (A - C)

Date : 29-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
101141		10	<1	2.21	10	2.73	2830	3	0.03	46	1750	8	3.29	<2	26	1430
101142		10	<1	2.14	10	2.54	2970	3	0.03	50	1570	20	3.87	<2	25	1585
101143		10	<1	2.14	10	2.51	2850	3	0.03	44	1620	29	4.40	<2	23	1715
101144		10	<1	2.07	10	2.44	3020	2	0.04	44	1430	29	4.02	<2	25	1810
101145		10	<1	1.79	10	2.08	2350	4	0.04	39	1150	27	4.96	<2	18	2050
101146		10	<1	1.87	10	2.13	2480	13	0.05	42	1230	31	5.45	<2	18	2030
101147		10	<1	1.76	10	2.06	2520	4	0.05	37	1230	36	6.07	<2	20	2090
101148		10	<1	1.77	10	2.10	2500	4	0.04	47	1240	52	4.93	<2	19	1695
101149		10	<1	1.73	10	2.05	2550	3	0.04	41	1200	23	4.77	<2	19	1865
101150		<10	<1	0.18	<10	0.15	227	102	0.02	9	210	40	0.90	32	1	180
101151		10	<1	1.92	10	2.27	2730	3	0.05	52	1180	20	4.35	<2	20	1945
101152		10	<1	1.93	10	2.15	2700	4	0.04	36	1250	11	4.25	<2	19	1725
101153		10	<1	1.78	10	2.12	2760	5	0.06	35	1320	39	4.36	<2	20	1815
101154		10	1	2.13	10	2.49	2830	5	0.10	52	1410	20	3.07	<2	24	1665
101155		10	<1	2.11	10	2.47	2820	5	0.10	52	1390	23	3.03	<2	23	1610
101156		10	<1	2.37	10	3.07	2830	5	0.20	66	1630	22	2.05	2	28	1085
101157		10	<1	2.54	10	3.35	3060	3	0.30	61	1710	16	1.46	<2	29	939
101158		10	<1	2.26	10	3.01	3200	2	0.15	60	1710	12	2.12	<2	29	1240
101159		10	<1	2.41	30	3.08	3290	3	0.07	60	1590	21	2.17	<2	27	1135
101160		<10	<1	0.01	<10	0.49	120	<1	<0.01	1	90	<2	0.01	<2	<1	102
101161		10	<1	2.21	30	2.83	3920	3	0.14	53	1670	41	2.66	<2	24	1330
101162		10	<1	2.26	30	2.96	3150	2	0.07	54	1700	17	2.17	<2	26	1090
101163		10	1	2.27	20	2.94	3130	3	0.11	57	1570	24	2.18	<2	26	1045
101164		10	1	2.19	10	2.84	2930	3	0.08	53	1630	33	2.37	<2	25	1120
101165		10	<1	2.25	10	2.82	2990	3	0.10	53	1580	20	1.87	<2	25	953
101166		10	1	0.67	20	0.45	1045	4	0.43	4	600	25	2.16	<2	3	1570
101167		10	<1	0.58	30	0.28	850	7	0.17	3	430	32	1.74	<2	1	1075
101168		10	<1	2.07	20	2.66	2880	2	0.04	43	1640	17	2.39	<2	19	1590
101169		10	1	2.31	20	2.74	2650	1	0.06	48	1570	4	1.61	<2	9	1810
101170		<10	1	0.04	10	0.21	553	5	0.09	33	1140	10	0.52	6	2	96



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		TI % 0.01	TI ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101021		0.18	<10	<10	100	<10	178	2.06
101022		0.13	<10	<10	219	<10	117	1.11
101023		0.12	<10	<10	158	<10	93	1.15
101024		0.14	<10	<10	138	<10	234	
101025		0.13	<10	<10	197	<10	165	
101026		0.19	<10	<10	470	<10	128	
101027		0.19	<10	<10	224	<10	307	1.13
101028		0.15	<10	10	247	<10	441	1.64
101029		0.15	<10	<10	174	<10	478	1.64
101030		0.01	<10	<10	9	<10	69	
101031		0.15	<10	<10	172	<10	214	
101032		0.16	<10	<10	332	<10	318	
101033		0.13	<10	<10	259	<10	301	
101034		0.14	<10	20	307	<10	240	
101035		0.16	<10	<10	185	<10	295	
101036		0.15	<10	<10	204	<10	284	
101037		0.17	<10	<10	274	<10	596	1.10
101038		0.19	<10	<10	338	<10	459	1.33
101039		0.15	<10	<10	257	<10	757	1.74
101040		<0.01	<10	<10	1	<10	4	
101041		0.18	<10	<10	252	<10	554	1.00
101042		0.18	<10	<10	385	<10	378	
101043		0.19	<10	<10	349	<10	390	
101044		0.20	<10	<10	372	<10	434	
101045		0.17	<10	<10	272	<10	479	
101046		0.15	<10	<10	228	<10	824	1.00
101047		0.16	<10	<10	176	<10	814	1.29
101048		0.17	<10	<10	201	<10	425	
101049		0.18	<10	<10	359	<10	367	
101050		0.04	<10	<10	20	<10	56	
101051		0.19	<10	<10	296	<10	318	
101052		0.18	<10	<10	209	<10	340	
101053		0.18	<10	<10	171	<10	296	
101054		0.18	<10	<10	168	<10	303	
101055		0.17	<10	<10	176	<10	286	
101056		0.18	<10	<10	224	<10	318	
101057		0.19	<10	<10	277	<10	364	
101058		0.18	<10	<10	220	<10	236	
101059		0.18	<10	10	138	<10	231	
101060		<0.01	<10	<10	<1	<10	2	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Project : Galore Creek

**CERTIFICATE OF ANALYSIS**      **VA03042590**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101061		0.17	<10	<10	245	<10	268	
101062		0.18	<10	<10	318	<10	314	
101063		0.17	<10	<10	248	<10	411	
101064		0.18	<10	<10	234	<10	297	
101065		0.15	<10	<10	127	<10	64	
101066		0.18	<10	10	190	<10	306	
101067		0.17	<10	10	232	<10	319	
101068		0.17	<10	<10	174	<10	307	
101069		0.17	<10	<10	242	<10	306	
101070		0.04	<10	<10	33	<10	135	
101071		0.17	<10	<10	301	<10	302	
101072		0.16	<10	<10	271	<10	388	
101073		0.16	<10	<10	230	<10	302	
101074		0.08	<10	<10	211	<10	348	
101075		0.14	<10	<10	224	<10	201	
101076		0.14	<10	<10	227	<10	219	
101077		0.15	<10	<10	231	<10	227	
101078		0.14	<10	<10	190	<10	221	
101079		0.14	<10	<10	185	<10	249	
101080		<0.01	<10	<10	<1	<10	2	
101081		0.14	<10	<10	156	<10	271	
101082		0.15	<10	<10	176	<10	244	
101083		0.14	<10	<10	148	<10	259	
101084		0.14	<10	<10	148	<10	219	
101085		0.14	<10	<10	141	<10	207	
101086		0.18	<10	<10	146	<10	146	
101087		0.12	<10	<10	165	<10	235	
101088		0.14	<10	<10	206	<10	256	
101089		0.15	<10	<10	160	<10	202	
101090		0.01	<10	<10	9	<10	67	
101091		0.12	<10	<10	89	<10	216	
101092		0.13	<10	<10	166	<10	198	
101093		0.13	<10	<10	168	<10	210	
101094		0.13	10	<10	183	<10	220	
101095		0.13	<10	<10	170	<10	225	
101096		0.12	10	<10	148	<10	214	
101097		0.12	10	<10	180	<10	202	
101098		0.12	<10	<10	146	<10	258	
101099		0.12	<10	<10	118	<10	309	
101100		<0.01	<10	<10	2	<10	2	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 5 (A - C)

Date : 29-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti	Ti	U	V	W	Zn	Cu
		% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01
101101		0.11	10	<10	106	<10	249	
101102		0.13	10	<10	132	<10	345	
101103		0.12	<10	<10	134	<10	293	
101104		0.13	<10	<10	141	<10	327	
101105		0.15	<10	<10	165	<10	208	
101106		0.13	<10	<10	174	<10	252	
101107		0.15	<10	<10	117	<10	222	
101108		0.13	10	<10	155	<10	166	
101109		0.15	<10	<10	160	<10	138	
101110		0.05	<10	<10	24	<10	61	
101111		0.08	<10	<10	52	<10	49	
101112		0.05	<10	<10	92	<10	45	
101113		0.07	<10	<10	99	<10	62	
101114		0.12	<10	<10	166	<10	91	
101115		0.11	<10	<10	139	<10	74	
101116		0.14	<10	<10	149	<10	90	
101117		0.17	10	<10	156	<10	186	
101118		0.12	<10	<10	136	<10	63	
101119		0.16	<10	<10	157	<10	79	
101120		<0.01	<10	<10	2	<10	4	
101121		0.13	10	<10	142	<10	95	
101122		0.14	<10	<10	157	<10	114	
101123		0.15	<10	<10	159	<10	114	
101124		0.14	<10	<10	142	<10	88	
101125		0.20	10	<10	231	<10	136	
101126		0.11	<10	<10	165	<10	289	
101127		0.11	<10	<10	147	<10	152	
101128		0.10	<10	<10	120	<10	166	
101129		0.11	<10	<10	139	<10	193	
101130		0.05	<10	<10	37	<10	150	
101131		0.11	<10	<10	156	<10	179	
101132		0.11	<10	<10	117	<10	342	
101133		0.11	<10	<10	106	<10	154	
101134		0.15	10	<10	169	<10	351	
101135		0.16	10	<10	181	<10	307	
101136		0.16	<10	<10	178	<10	321	
101137		0.17	<10	<10	194	<10	339	
101138		0.16	<10	<10	168	<10	357	
101139		0.19	10	<10	222	<10	314	
101140		<0.01	<10	<10	2	<10	2	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 5 - C

Total # of pages : 5 (A - C)

Date : 29-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042590

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101141		0.18	10	<10	215	<10	277	
101142		0.17	10	<10	213	<10	355	
101143		0.16	10	<10	217	<10	261	
101144		0.17	10	<10	213	<10	311	
101145		0.13	<10	<10	148	<10	263	
101146		0.13	<10	<10	157	<10	361	
101147		0.14	10	<10	182	<10	366	
101148		0.14	<10	<10	167	<10	366	
101149		0.13	<10	<10	206	<10	190	
101150		0.01	<10	<10	10	<10	69	
101151		0.13	<10	10	189	<10	239	
101152		0.14	<10	<10	177	<10	280	
101153		0.14	10	<10	213	<10	278	
101154		0.18	<10	<10	213	<10	230	
101155		0.17	10	<10	211	<10	230	
101156		0.22	10	<10	258	<10	234	
101157		0.22	<10	<10	283	<10	241	
101158		0.20	10	<10	242	<10	208	
101159		0.21	10	<10	205	<10	267	
101160		<0.01	<10	<10	1	<10	<2	
101161		0.19	10	<10	213	<10	455	
101162		0.20	<10	<10	176	<10	222	
101163		0.20	<10	<10	196	<10	221	
101164		0.20	<10	<10	196	<10	286	
101165		0.21	10	<10	254	<10	202	
101166		0.11	<10	10	100	<10	110	
101167		0.10	<10	10	64	<10	104	
101168		0.18	10	<10	162	<10	196	
101169		0.16	10	<10	153	<10	162	
101170		0.04	<10	<10	23	<10	59	



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 1  
Date: 27-Oct-2003  
Account: SPEGOL

## CERTIFICATE VA03041779

Project : Galore Creek

P.O. No:

This report is for 190 ROCK samples submitted to our lab in North Vancouver, BC, Canada on 16-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT

SCOTT PETSSEL

*Hole GC 03-444.*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101151	3.62	0.042	0.5	1.26	<2	<10	1130	1.4	<2	2.76	<0.5	11	16	810	4.68
101152	3.78	0.082	0.7	1.77	<2	<10	580	2.5	<2	4.14	<0.5	10	7	664	4.02
101153	3.28	0.104	0.7	1.19	2	<10	810	1.8	<2	2.85	<0.5	13	8	1145	6.88
101154	3.42	0.090	1.3	1.20	2	<10	900	2.1	<2	3.40	<0.5	9	7	909	3.92
101155	3.24	0.144	0.5	3.38	<2	<10	90	3.4	<2	5.41	<0.5	11	7	640	3.53
101156	4.20	0.044	0.3	3.66	<2	<10	60	3.3	<2	5.98	<0.5	19	5	465	6.13
101157	0.28	0.020	19.9	0.44	13	<10	140	<0.5	8	0.94	<0.5	4	46	6730	1.42
101158	4.56	0.049	0.4	4.74	4	<10	50	3.3	<2	6.25	<0.5	16	6	589	5.05
101159	4.30	0.045	0.4	3.69	<2	<10	70	2.9	<2	6.08	<0.5	20	9	478	6.59
101160	3.00	0.041	0.3	2.85	<2	<10	120	3.0	<2	5.96	<0.5	22	5	421	10.15
101161	1.56	0.088	0.5	0.50	2	<10	80	1.9	<2	5.82	<0.5	6	9	584	1.02
101162	4.06	0.102	1.2	0.32	<2	<10	170	1.1	<2	3.79	<0.5	4	11	1080	0.73
101163		0.105	0.6	0.33	<2	<10	200	1.0	<2	3.72	<0.5	4	9	1070	0.73
101164	3.90	0.290	0.9	0.32	<2	<10	80	0.8	<2	3.37	<0.5	4	8	1295	1.17
101165	3.42	0.098	0.7	0.34	<2	10	90	1.0	<2	3.34	<0.5	3	8	1060	0.86
101166	5.96	0.136	0.8	0.34	2	10	60	0.6	<2	3.04	<0.5	3	6	2010	1.15
101167	2.70	0.071	2.3	0.42	<2	<10	70	0.7	<2	2.09	4.6	6	8	3360	0.83
101168	0.40	<0.005	0.2	0.02	<2	<10	50	<0.5	<2	>15.0	<0.5	<1	3	17	0.09
101169	4.56	0.171	3.5	0.35	4	<10	40	0.8	<2	3.43	2.7	8	13	3080	1.43
101170	3.82	0.140	1.7	0.35	<2	<10	50	0.7	<2	3.24	<0.5	2	8	2230	0.64
101171	4.06	0.074	0.8	0.33	<2	<10	220	0.8	<2	2.41	<0.5	1	17	1610	0.24
101172	3.66	0.210	1.8	0.26	4	<10	70	<0.5	<2	2.73	<0.5	1	14	4280	0.48
101173	3.94	0.111	0.8	0.36	2	<10	100	0.6	<2	2.43	<0.5	4	11	1790	0.65
101174	4.18	0.335	1.3	0.27	2	<10	60	<0.5	2	2.51	<0.5	2	9	3040	0.40
101175	0.10	2.78	0.3	1.37	5610	<10	20	<0.5	13	4.42	<0.5	153	27	56	2.95
101176	3.64	0.170	1.6	0.29	13	<10	60	<0.5	<2	2.35	<0.5	1	13	3100	0.26
101177	4.32	0.073	0.6	0.33	<2	<10	110	<0.5	<2	2.24	<0.5	<1	11	1640	0.19
101178	4.10	0.107	1.9	0.42	2	10	50	<0.5	2	2.13	1.2	3	11	5380	0.65
101179	4.46	0.489	4.3	0.40	3	<10	40	0.5	7	2.43	<0.5	2	9	6190	0.68
101180	0.46	<0.005	<0.2	0.04	2	<10	50	<0.5	<2	>15.0	<0.5	1	1	32	0.10
101181	2.66	0.026	0.3	0.89	3	<10	60	1.0	<2	5.18	0.6	18	23	236	5.67
101182	4.62	0.040	0.2	1.04	<2	<10	80	1.1	<2	5.15	<0.5	16	19	282	4.99
101183	5.18	0.057	0.2	1.34	4	<10	280	1.1	<2	4.81	<0.5	13	28	217	4.41
101184	2.28	0.192	1.0	1.16	2	<10	40	0.6	<2	3.36	<0.5	9	51	1730	2.33
101185	2.86	0.005	<0.2	2.52	3	<10	320	0.5	<2	3.36	<0.5	20	129	174	5.00
101186		<0.005	<0.2	2.47	<2	10	330	0.5	<2	3.52	<0.5	21	125	158	5.13
101187	2.34	0.237	0.8	0.40	<2	<10	120	<0.5	<2	2.78	<0.5	2	20	3050	0.61
101188	4.30	0.100	0.8	0.33	<2	<10	70	<0.5	<2	2.71	<0.5	2	13	1885	0.50
101189	4.16	0.291	2.5	0.47	2	<10	30	0.7	<2	4.07	<0.5	4	8	1990	1.08
101190	4.96	0.090	0.5	0.60	3	<10	50	0.6	<2	3.35	<0.5	6	16	904	2.00



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101191		1.70	0.204	0.6	0.60	<2	<10	40	0.6	<2	3.61	<0.5	4	8	2100	0.91
101192		6.04	0.012	0.2	1.14	<2	<10	280	0.5	<2	3.57	<0.5	7	22	80	3.05
101193		4.76	0.007	<0.2	1.18	<2	<10	310	<0.5	<2	4.44	<0.5	7	24	7	3.46
101194		4.66	0.005	<0.2	1.13	<2	<10	200	<0.5	<2	4.35	<0.5	8	21	12	3.45
101195			0.005	<0.2	1.16	<2	<10	160	<0.5	<2	4.45	<0.5	8	20	11	3.46
101196		4.28	0.008	<0.2	1.07	<2	<10	90	<0.5	<2	4.56	<0.5	8	13	28	3.40
101197		3.90	0.007	<0.2	1.13	2	<10	300	<0.5	<2	3.73	<0.5	7	22	34	3.26
101198		4.80	0.120	0.4	0.58	2	<10	50	0.9	<2	3.47	<0.5	7	8	563	3.30
101199		4.44	0.116	0.9	0.41	<2	<10	50	0.6	<2	3.32	<0.5	7	11	767	3.08
101200		0.14	2.91	0.3	1.36	5590	<10	20	<0.5	14	4.54	0.6	159	28	50	3.01
101201		4.34	0.099	1.1	0.51	14	<10	40	0.7	<2	3.47	<0.5	8	14	875	3.19
101202		4.16	0.083	0.8	0.58	3	10	60	0.9	<2	3.05	<0.5	8	13	690	3.21
101203		4.72	0.138	1.1	0.59	4	<10	40	0.7	<2	2.97	<0.5	10	16	1605	3.30
101204		4.10	0.212	4.3	0.77	5	<10	20	0.7	3	7.16	7.3	15	17	2080	2.89
101205		4.52	0.184	1.4	0.93	<2	10	50	0.7	<2	3.39	<0.5	10	13	1560	3.86
101206		4.60	0.664	2.1	0.63	2	<10	40	0.5	3	2.98	<0.5	11	19	2920	5.18
101207		0.48	0.005	<0.2	0.02	<2	<10	30	<0.5	<2	>15.0	<0.5	<1	2	10	0.12
101208		4.16	4.25	9.8	1.18	4	<10	30	0.9	<2	3.25	<0.5	16	3	>10000	5.10
101209		4.90	2.83	5.9	0.85	6	<10	40	0.7	13	3.01	<0.5	14	5	9130	7.00
101210		4.10	0.599	1.4	0.62	<2	<10	40	0.6	3	3.20	<0.5	6	7	1955	2.20
101211		4.30	1.535	5.3	0.64	4	10	30	0.7	10	3.58	<0.5	8	3	5820	2.89
101212		4.54	0.650	2.4	0.54	3	<10	40	0.6	3	3.17	<0.5	13	6	3260	3.69
101213		4.46	0.999	2.1	0.77	3	<10	40	0.6	2	3.35	<0.5	12	5	3620	3.16
101214		4.10	0.217	0.8	1.05	<2	<10	40	0.8	<2	4.21	<0.5	13	5	1780	4.31
101215		4.20	0.196	1.5	0.65	<2	<10	30	0.8	<2	3.50	<0.5	7	7	1760	2.25
101216		3.72	0.089	1.3	0.54	<2	<10	20	0.6	<2	3.85	<0.5	8	7	1685	2.43
101217			0.081	1.4	0.51	6	<10	20	0.6	<2	3.74	<0.5	8	5	1710	2.43
101218		4.16	0.166	1.1	0.41	<2	<10	20	0.6	<2	3.92	<0.5	5	6	1440	1.67
101219		4.70	0.214	3.2	0.31	4	<10	30	0.5	<2	4.98	<0.5	3	5	1975	0.81
101220		4.22	0.192	1.7	0.37	3	<10	20	0.6	<2	6.39	1.8	8	2	6760	2.69
101221		0.14	0.486	0.6	0.96	3740	40	20	<0.5	20	5.82	1.4	110	13	120	3.48
101222		4.62	1.895	7.5	0.82	8	<10	20	0.8	16	4.09	1.2	19	3	9950	4.16
101223		3.78	3.77	14.8	0.48	4	<10	30	0.6	25	4.81	5.2	13	4	>10000	3.57
101224		4.38	0.881	1.7	0.59	<2	<10	30	0.6	5	4.89	0.8	12	3	3340	3.23
101225		4.50	1.825	4.7	0.68	3	<10	30	0.7	8	3.83	1.3	17	6	6600	5.07
101226		4.30	5.72	11.2	0.93	4	<10	20	0.6	30	4.95	1.7	26	2	>10000	6.81
101227		0.26	0.026	<0.2	0.10	<2	<10	160	<0.5	<2	>15.0	<0.5	1	7	128	0.15
101228		4.90	5.45	12.7	0.63	7	<10	20	0.5	36	3.97	1.3	19	2	>10000	4.98
101229		4.50	3.78	9.5	0.98	4	<10	30	0.8	12	3.29	2.8	24	7	>10000	5.32
101230		4.50	1.485	3.4	1.09	4	<10	20	0.9	<2	3.89	1.2	19	4	9980	3.98





**ALS Chemex**  
EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 4 - A  
Total # of pages : 6 (A - C)  
Date : 27-Oct-2003  
Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS** VA03041779

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg 0.02	Au ppm 0.005	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01	
101231		5.06	1.505	4.1	0.87	4	<10	20	0.7	9	5.02	1.5	16	2	>10000	3.60	
101232		3.68	1.785	8.5	1.22	4	<10	20	0.9	13	4.55	1.6	18	9	>10000	4.01	
101233		5.02	0.867	2.0	0.72	4	<10	30	0.6	<2	4.91	1.2	11	5	5320	2.93	
101234		0.58	<0.005	<0.2	0.03	4	<10	50	<0.5	<2	>15.0	<0.5	1	9	48	0.12	
101235		4.70	0.730	1.3	0.84	<2	<10	30	0.6	<2	4.20	1.2	16	9	4920	3.48	
101236		4.44	0.579	1.6	1.03	3	<10	30	0.7	<2	5.19	0.8	16	8	5260	2.44	
101237		3.98	1.020	4.2	1.06	2	<10	20	0.8	<2	5.28	1.0	25	4	6690	3.22	
101238		4.56	0.192	3.8	0.96	3	<10	20	0.7	<2	5.75	2.1	38	11	7110	3.20	
101239		0.193	0.193	3.7	0.94	7	<10	20	0.7	<2	5.65	2.0	37	4	6910	3.08	
101240		4.50	0.156	2.5	1.58	3	<10	40	0.8	6	5.06	1.5	44	6	8170	2.52	
101241		4.62	0.154	2.0	1.27	4	<10	40	1.0	<2	4.89	1.2	36	6	6020	2.68	
101242		4.46	0.390	3.7	0.75	4	<10	30	1.0	<2	5.47	2.3	66	2	8150	3.18	
101243		4.32	0.124	1.8	0.79	3	<10	20	0.9	<2	6.07	1.4	23	6	4630	3.65	
101244		4.02	0.062	1.5	1.47	6	<10	50	0.9	<2	5.70	1.1	24	12	2680	2.76	
101245		4.52	0.146	3.1	1.96	8	<10	30	1.0	2	6.95	2.5	49	118	5220	6.55	
101246		0.10	0.040	20.0	0.46	13	<10	160	<0.5	<2	1.12	0.8	4	53	6450	1.56	
101247		4.42	0.424	7.1	2.59	14	<10	30	1.1	<2	5.84	8.1	27	160	7750	7.00	
101248		4.48	0.404	5.7	2.94	13	<10	30	1.1	<2	6.79	5.4	38	120	8450	7.73	
101249		4.32	0.159	4.5	2.25	9	<10	40	1.4	<2	7.70	4.6	42	70	5410	7.65	
101250		5.32	0.143	2.3	2.97	11	<10	30	1.1	<2	7.12	3.1	55	144	3660	7.95	
101251		4.58	0.087	1.9	2.66	11	<10	30	1.1	<2	7.30	2.9	57	164	3040	7.81	
101252		4.90	0.103	2.2	2.82	9	<10	30	0.9	<2	7.35	3.3	44	163	3470	7.30	
101253		5.34	0.225	6.6	2.63	15	<10	30	1.3	12	6.97	5.7	55	163	8200	7.88	
101254		4.84	0.128	3.5	2.59	16	<10	30	1.6	<2	7.87	3.7	56	126	4420	7.01	
101255		4.02	0.170	4.2	2.52	11	<10	30	1.2	2	6.40	2.9	60	129	5100	7.59	
101256		0.62	<0.005	<0.2	0.03	<2	<10	30	<0.5	<2	>15.0	<0.5	1	5	33	0.13	
101257		5.32	0.076	1.2	2.46	14	<10	30	1.2	<2	6.59	<0.5	40	124	2280	6.68	
101258		4.64	0.106	2.1	2.33	9	<10	30	1.3	<2	8.46	1.1	34	100	3210	7.34	
101259		4.64	0.106	2.0	2.36	11	<10	30	1.3	<2	7.89	1.0	35	102	3150	7.77	
101260		4.50	0.147	1.4	2.73	12	<10	40	1.5	<2	8.05	0.8	26	88	2090	6.65	
101261		4.84	0.065	2.2	3.08	11	<10	70	1.2	<2	8.17	<0.5	21	85	1090	6.50	
101262		4.96	0.057	1.2	3.16	11	<10	50	1.6	<2	7.59	1.2	22	86	1280	6.62	
101263		4.86	0.070	1.9	3.03	13	<10	30	1.6	<2	6.59	2.1	28	102	2150	5.96	
101264		4.86	0.066	1.2	3.06	15	<10	40	1.8	<2	6.64	0.9	22	104	1580	5.58	
101265		0.40	<0.005	<0.2	0.04	2	<10	30	<0.5	<2	>15.0	<0.5	1	3	22	0.17	
101266		5.84	0.060	1.7	3.15	11	<10	30	2.0	<2	6.32	1.6	26	88	2090	6.14	
101267		5.72	0.068	0.9	3.10	12	<10	40	1.2	<2	5.86	<0.5	21	92	1685	7.29	
101268		5.06	0.098	2.8	3.13	14	<10	30	1.2	2	5.67	2.2	24	118	3040	7.67	
101269		5.26	0.071	2.5	1.51	9	<10	20	1.3	<2	7.23	<0.5	32	21	2870	5.62	
101270		4.48	0.083	3.6	1.40	5	<10	20	0.9	2	6.03	1.8	35	6	3150	5.51	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
Sample Description	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
101271	4.68	0.047	2.8	1.73	9	<10	30	0.8	<2	5.59	0.8	27	8	2210	4.72
101272	5.08	0.041	2.3	1.98	7	<10	30	1.0	<2	6.62	0.9	22	4	2400	4.58
101273	6.32	0.054	1.9	1.58	5	<10	30	1.0	<2	7.24	0.7	14	5	2310	6.64
101274	2.76	0.053	0.7	0.78	<2	<10	20	0.6	<2	3.79	3.0	10	26	973	2.25
101275	4.42	0.056	1.0	0.78	3	<10	20	0.6	<2	4.18	0.7	10	10	1445	1.94
101276	0.10	0.029	17.2	0.45	10	<10	130	<0.5	3	0.96	<0.5	2	40	5830	1.40
101277	4.50	0.026	1.2	1.74	4	10	50	0.8	<2	3.10	1.3	10	13	974	1.83
101278	4.46	0.075	1.0	0.96	3	<10	40	0.6	<2	3.84	1.1	15	20	1215	1.68
101279	4.22	0.055	1.0	0.93	3	<10	40	0.7	<2	4.30	2.0	17	24	1045	1.88
101280	4.30	0.037	1.7	0.68	2	<10	30	0.6	<2	3.69	2.4	13	12	2350	1.31
101281		0.040	2.5	0.73	2	<10	40	0.7	<2	3.82	2.6	14	18	2430	1.35
101282	3.84	0.110	0.6	0.77	4	<10	30	0.5	<2	3.74	1.3	14	17	1265	1.18
101283	3.00	0.116	3.9	1.90	10	<10	20	0.8	<2	6.26	1.6	42	13	4480	5.36
101284	4.82	0.069	2.9	2.08	8	<10	20	0.9	<2	6.18	1.2	32	6	3210	4.22
101285	5.92	0.124	7.9	2.14	6	<10	20	0.9	<2	6.49	7.2	26	10	7100	4.56
101286	0.56	<0.005	<0.2	0.04	<2	<10	50	<0.5	<2	>15.0	<0.5	1	1	41	0.14
101287	5.08	0.048	1.4	2.41	8	<10	30	1.3	<2	7.36	1.7	20	15	1685	5.60
101288	4.26	0.015	0.2	2.83	<2	<10	50	1.3	<2	5.69	<0.5	21	9	459	6.19
101289	5.68	<0.005	<0.2	2.91	<2	<10	600	1.1	<2	4.86	<0.5	18	16	78	6.33
101290	2.72	0.008	<0.2	2.66	4	<10	190	1.0	<2	6.31	<0.5	18	18	99	6.21
101291	5.12	0.190	6.1	2.31	19	<10	30	0.9	<2	8.61	19.7	15	9	1825	5.35
101292	4.68	0.063	0.9	2.88	17	<10	50	0.9	<2	7.37	0.7	12	6	596	5.12
101293	4.66	0.048	1.6	2.55	8	<10	40	1.0	<2	6.67	1.6	17	8	1520	5.27
101294	4.22	0.068	1.1	2.72	8	<10	30	1.1	<2	7.38	2.4	20	10	1575	5.70
101295	4.98	0.044	1.1	2.35	5	<10	30	0.9	<2	7.70	2.4	29	7	1880	5.96
101296	4.70	0.072	1.6	2.12	10	<10	30	0.7	<2	6.31	1.6	16	8	1625	5.05
101297	4.70	0.146	7.8	1.54	12	<10	30	0.9	<2	7.68	3.5	19	9	4140	4.91
101298	4.52	0.188	7.5	1.85	7	<10	30	0.6	14	6.32	5.7	23	8	6570	4.12
101299	4.44	0.047	1.5	1.81	9	<10	30	0.9	<2	6.72	0.7	25	10	1825	5.71
101300	4.84	0.050	1.5	3.18	6	<10	40	1.1	<2	7.56	2.5	8	9	1920	5.31
101301	4.38	0.019	0.2	3.43	4	<10	50	1.3	<2	6.50	<0.5	7	6	648	4.91
101302	4.48	0.056	2.4	2.99	8	<10	30	1.1	<2	6.75	1.4	25	11	1920	6.45
101303	4.68	0.040	2.4	2.63	7	<10	30	0.9	<2	5.14	1.1	35	11	2470	7.28
101304	4.32	0.055	2.4	2.81	12	<10	30	1.1	<2	6.49	2.4	28	10	2850	4.97
101305	4.52	0.025	1.5	2.26	12	<10	30	1.0	<2	7.04	2.1	19	13	1950	4.28
101306	0.52	<0.005	<0.2	0.04	2	<10	50	<0.5	<2	>15.0	<0.5	<1	1	17	0.12
101307	4.96	0.155	8.1	2.13	10	<10	30	0.9	5	6.37	5.9	47	11	7800	5.72
101308	3.72	0.055	2.9	1.82	8	<10	20	0.8	<2	6.34	1.8	77	20	2720	5.88
101309	4.72	0.035	2.4	2.44	6	<10	20	0.7	<2	5.15	1.3	59	29	2590	8.03
101310	4.36	0.020	0.9	2.94	3	<10	30	1.0	<2	6.34	1.5	25	42	1450	6.69



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101311		4.74	0.048	3.7	2.98	11	<10	40	1.1	<2	7.40	2.6	20	51	2460	6.47
101312		0.14	2.95	0.5	1.42	6360	10	20	<0.5	15	5.71	0.8	178	32	55	3.52
101313		4.96	0.042	0.4	3.13	15	<10	110	1.5	<2	9.26	<0.5	19	154	557	6.76
101314		5.02	0.022	<0.2	3.29	13	<10	70	1.3	<2	8.84	<0.5	22	201	424	6.40
101315			0.024	<0.2	3.32	7	<10	60	1.3	2	9.16	<0.5	21	208	451	6.51
101316		4.72	0.016	0.5	3.58	10	<10	60	1.5	<2	7.77	1.0	41	349	904	6.43
101317		4.62	0.026	0.7	3.19	10	<10	40	1.6	<2	7.69	1.8	42	281	1135	6.06
101318		4.94	0.013	0.3	3.75	14	<10	90	0.9	<2	4.66	0.6	41	493	459	5.27
101319		4.86	0.057	1.2	3.48	11	<10	90	1.2	<2	6.24	2.2	35	390	1455	5.36
101320		5.08	0.027	0.6	3.54	10	<10	100	1.1	<2	4.72	1.1	38	377	883	5.16
101321		5.62	0.030	1.0	3.60	11	<10	90	1.0	<2	6.53	1.5	41	485	1140	5.49
101322		5.22	0.018	1.2	3.33	8	<10	70	1.0	<2	7.20	0.6	34	382	399	5.18
101323		5.24	0.027	0.7	3.01	9	<10	50	1.5	<2	8.47	2.7	41	311	823	5.81
101324		3.86	0.023	1.3	2.90	9	<10	50	2.1	<2	8.83	2.2	56	275	1135	5.73
101325			0.029	16.8	0.46	14	<10	170	<0.5	<2	1.28	0.5	4	56	6400	1.75
101326		4.36	0.015	0.7	2.71	7	<10	50	1.6	<2	7.57	2.2	42	101	754	4.58
101327		5.52	0.025	1.2	2.32	6	<10	190	1.2	<2	6.28	3.3	22	90	1010	3.52
101328		4.74	0.016	1.2	2.42	8	<10	180	1.4	<2	6.62	1.3	20	76	807	3.73
101329		4.90	0.017	1.3	2.54	2	<10	200	1.2	<2	7.70	1.5	13	80	829	4.03
101330		4.10	0.044	1.9	2.29	7	<10	210	1.0	2	7.20	2.1	17	73	1310	4.32
101331			0.038	2.2	2.49	4	<10	220	1.0	<2	7.71	2.0	17	73	1340	4.64
101332		4.16	0.072	2.3	2.47	2	<10	220	0.9	2	9.27	0.9	15	110	670	4.76
101333		4.76	0.037	0.7	2.21	10	<10	220	0.7	<2	8.79	<0.5	16	114	433	4.57
101334		4.68	0.034	2.2	2.22	5	<10	140	0.8	<2	8.72	<0.5	20	126	1625	5.32
101335		4.58	0.019	1.3	1.75	9	<10	150	1.4	<2	7.63	0.8	21	112	899	4.50
101336		0.70	<0.005	<0.2	0.04	<2	<10	50	<0.5	<2	>15.0	<0.5	<1	3	12	0.12
101337		2.78	0.009	0.6	1.43	7	<10	190	1.7	<2	5.76	<0.5	10	109	274	3.27
101338		5.58	0.006	0.3	1.00	3	<10	250	1.1	<2	3.03	<0.5	7	19	141	2.28
101339		4.82	0.012	0.7	2.08	2	<10	220	1.3	<2	5.52	3.2	19	89	284	3.97
101340		4.64	<0.005	0.3	1.14	4	<10	200	0.9	<2	2.45	<0.5	7	35	34	2.08



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
101151	10	<1	0.87	10	0.80	822	6	0.04	27	240	5	0.20	<2	3	671
101152	10	1	1.29	10	1.06	1120	1	0.03	14	130	5	0.14	<2	4	637
101153	10	<1	0.86	10	0.65	992	7	0.05	18	180	16	0.15	<2	2	731
101154	10	<1	0.77	10	0.75	935	16	0.04	12	150	8	0.23	<2	4	971
101155	10	<1	0.69	10	1.44	1100	4	1.23	13	150	5	1.82	<2	5	764
101156	10	<1	0.86	<10	1.74	1545	1	1.21	18	110	7	2.09	<2	6	486
101157	<10	<1	0.19	<10	0.14	220	93	0.02	9	210	40	0.87	34	1	187
101158	10	1	1.06	<10	1.96	1505	1	1.79	16	120	<2	2.05	<2	10	532
101159	10	<1	1.11	<10	1.95	1705	1	1.08	21	70	15	2.38	<2	11	575
101160	10	<1	0.86	10	1.49	1700	14	0.73	22	210	14	1.52	<2	5	608
101161	<10	<1	0.38	10	1.01	955	2	0.09	3	210	7	1.54	<2	2	608
101162	<10	<1	0.31	10	0.38	389	7	0.03	3	70	12	1.54	<2	1	851
101163	<10	<1	0.31	10	0.39	385	7	0.03	3	80	12	1.48	<2	1	826
101164	<10	<1	0.31	10	0.25	339	5	0.03	6	80	17	1.68	<2	<1	1175
101165	<10	<1	0.32	10	0.21	336	5	0.03	2	80	10	1.36	<2	<1	1115
101166	<10	<1	0.29	10	0.11	359	13	0.02	1	60	18	1.30	<2	<1	1180
101167	<10	<1	0.31	10	0.13	584	93	0.02	2	110	303	1.45	<2	<1	1305
101168	<10	<1	0.01	<10	0.41	110	1	<0.01	<1	90	3	0.02	<2	<1	117
101169	<10	1	0.27	10	0.65	1500	40	0.02	9	90	378	2.00	11	5	1350
101170	<10	<1	0.27	10	0.25	613	3	0.03	4	100	44	1.31	<2	1	1285
101171	<10	<1	0.28	10	0.07	185	6	0.04	2	80	11	0.71	<2	<1	822
101172	<10	<1	0.21	10	0.05	245	8	0.03	<1	90	19	1.15	<2	<1	1295
101173	<10	<1	0.27	10	0.41	342	11	0.03	6	100	13	0.91	<2	1	1200
101174	<10	<1	0.21	10	0.09	224	20	0.03	2	80	25	1.23	<2	1	1360
101175	<10	<1	0.04	10	0.20	553	5	0.09	31	1050	9	0.50	6	2	97
101176	<10	<1	0.25	10	0.04	178	24	0.02	<1	70	16	1.09	<2	<1	1175
101177	<10	<1	0.27	10	0.03	204	12	0.03	1	80	29	0.83	<2	<1	1450
101178	<10	<1	0.31	10	0.06	554	29	0.03	<1	70	46	1.43	<2	<1	1530
101179	<10	<1	0.31	10	0.06	1000	17	0.02	2	200	20	1.67	<2	<1	1415
101180	<10	<1	0.03	<10	0.81	106	<1	<0.01	1	80	5	0.02	<2	<1	122
101181	<10	<1	0.40	10	1.92	1690	3	0.05	12	1610	10	1.16	<2	16	732
101182	<10	<1	0.34	10	1.54	1450	3	0.05	7	1610	7	1.11	<2	9	868
101183	10	<1	0.83	10	1.44	1435	1	0.03	10	1730	9	0.93	<2	13	986
101184	10	<1	0.26	10	0.97	473	1	0.03	20	550	6	1.75	<2	3	925
101185	10	<1	0.07	20	2.69	912	1	0.06	59	1440	6	0.23	<2	7	464
101186	10	<1	0.06	20	2.72	936	1	0.05	59	1440	5	0.23	<2	7	438
101187	<10	<1	0.26	10	0.10	246	7	0.03	2	90	5	1.50	<2	<1	635
101188	<10	<1	0.25	10	0.05	266	9	0.02	1	90	10	1.22	<2	<1	741
101189	<10	<1	0.29	10	0.29	480	7	0.02	3	550	19	2.34	<2	<1	1350
101190	<10	<1	0.37	10	0.25	472	12	0.02	7	470	11	1.50	<2	<1	1310



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3 - B  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	
101191	<10	<1	0.32	10	0.23	414	15	0.02	5	560	7	1.95	<2	<1	955	
101192	<10	<1	0.19	20	0.68	1245	1	0.05	6	1010	6	0.54	<2	3	277	
101193	<10	<1	0.28	20	0.68	1270	1	0.05	3	1200	2	0.62	<2	3	313	
101194	<10	1	0.29	20	0.67	1285	1	0.04	5	1260	4	0.56	<2	2	445	
101195	<10	<1	0.31	20	0.67	1300	1	0.04	3	1260	2	0.56	<2	2	432	
101196	<10	<1	0.26	10	0.65	1305	1	0.04	2	1160	2	0.88	<2	2	423	
101197	<10	<1	0.26	20	0.71	1260	1	0.05	4	1040	3	0.55	<2	3	221	
101198	<10	<1	0.34	10	0.28	532	11	0.02	8	850	8	1.66	<2	<1	1095	
101199	<10	<1	0.28	10	0.28	468	9	0.02	7	690	8	1.42	<2	1	964	
101200	<10	<1	0.04	10	0.20	564	5	0.09	30	1050	13	0.51	5	2	93	
101201	<10	<1	0.35	10	0.33	526	3	0.02	8	810	9	1.78	<2	1	1030	
101202	<10	<1	0.39	10	0.41	544	7	0.01	10	980	8	1.16	<2	1	966	
101203	<10	1	0.39	10	0.67	720	16	0.02	13	1180	14	1.58	<2	1	1125	
101204	<10	1	0.51	10	0.52	1195	186	0.02	15	1110	307	3.92	<2	1	1275	
101205	<10	<1	0.69	10	0.58	542	6	0.02	13	1590	9	1.41	<2	1	987	
101206	<10	<1	0.43	10	0.40	506	4	0.02	13	1270	14	1.63	<2	1	978	
101207	<10	<1	0.01	<10	0.57	133	<1	<0.01	2	80	<2	0.01	<2	<1	108	
101208	10	1	0.75	10	0.53	540	5	0.02	14	1400	16	2.76	<2	1	998	
101209	<10	<1	0.54	10	0.38	661	6	0.02	15	1370	16	1.96	<2	1	930	
101210	<10	<1	0.43	10	0.31	427	4	0.02	7	1200	7	1.80	<2	<1	1060	
101211	<10	1	0.44	10	0.41	646	3	0.02	8	1130	14	2.16	<2	1	1085	
101212	<10	<1	0.38	10	0.59	742	5	0.02	11	1620	13	1.93	<2	1	1030	
101213	<10	<1	0.52	10	0.69	758	5	0.02	9	1500	8	1.97	<2	1	1045	
101214	10	<1	0.69	10	0.95	952	3	0.03	9	2070	17	1.85	<2	4	1030	
101215	<10	<1	0.42	10	0.49	674	4	0.02	6	770	12	2.43	<2	1	991	
101216	<10	<1	0.38	10	0.30	700	11	0.02	6	540	9	3.55	<2	1	954	
101217	<10	<1	0.36	10	0.30	704	11	0.02	5	560	10	3.45	<2	1	920	
101218	<10	<1	0.30	10	0.18	503	12	0.02	4	680	9	3.26	<2	1	917	
101219	<10	<1	0.23	10	0.09	220	11	0.02	2	360	6	3.39	<2	<1	1015	
101220	<10	<1	0.26	10	0.35	397	11	0.02	5	650	10	4.19	<2	1	1105	
101221	<10	<1	0.03	10	0.21	591	37	0.07	31	1230	16	1.36	8	1	87	
101222	<10	<1	0.57	10	0.55	560	11	0.02	8	1000	11	3.06	<2	1	787	
101223	<10	<1	0.31	10	0.37	460	5	0.02	5	1410	180	2.69	<2	1	977	
101224	<10	<1	0.42	10	0.45	372	9	0.02	5	1110	26	3.68	<2	1	978	
101225	<10	<1	0.46	10	0.57	567	16	0.02	7	1130	16	2.48	<2	1	863	
101226	10	<1	0.78	30	1.01	705	14	0.03	18	3040	21	3.66	<2	2	907	
101227	<10	<1	0.03	<10	0.48	130	<1	<0.01	<1	100	2	0.05	<2	<1	112	
101228	<10	<1	0.42	20	0.43	529	15	0.02	10	1740	12	2.96	<2	1	942	
101229	<10	<1	0.69	20	0.64	547	9	0.02	12	1560	52	2.76	<2	2	1105	
101230	10	<1	0.72	20	0.74	577	9	0.02	10	1690	16	3.19	<2	3	1150	



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUM GOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 4 - B  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS**      **VA03041779**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
101231		<10	1	0.63	20	0.73	1000	10	0.02	10	2160	29	3.75	<2	2	1160
101232		<10	<1	0.96	10	0.81	915	23	0.02	12	2030	63	4.83	<2	2	951
101233		<10	<1	0.50	10	0.25	435	19	0.02	6	890	30	3.27	<2	1	1105
101234		<10	<1	0.02	<10	0.60	111	<1	<0.01	2	110	2	0.04	<2	<1	105
101235		<10	<1	0.61	10	0.45	763	23	0.02	7	1020	21	2.60	<2	2	1095
101236		<10	<1	0.77	10	0.62	840	19	0.02	8	910	22	3.49	3	2	1225
101237		<10	<1	0.75	10	0.52	1215	15	0.01	8	880	32	3.88	<2	2	1165
101238		<10	<1	0.57	10	0.27	826	10	0.03	3	790	61	7.25	<2	1	1620
101239		<10	<1	0.55	10	0.27	817	11	0.03	4	790	60	7.12	<2	1	1590
101240		<10	<1	0.68	10	0.44	634	4	0.31	4	850	30	4.52	<2	1	1380
101241		<10	<1	0.52	10	0.25	468	5	0.29	5	750	26	3.87	<2	1	1305
101242		<10	<1	0.43	10	0.21	991	4	0.02	3	730	30	4.59	<2	1	1580
101243		<10	<1	0.36	10	0.27	958	5	0.02	4	890	18	4.25	<2	2	1645
101244		<10	<1	0.43	10	0.42	655	5	0.41	2	720	12	4.07	<2	1	1430
101245		10	1	1.70	20	2.01	1965	4	0.14	33	1490	15	4.01	<2	21	1075
101246		<10	<1	0.19	<10	0.15	246	110	0.02	10	230	39	0.95	33	1	198
101247		10	<1	2.57	30	3.01	3060	4	0.04	44	1860	8	4.46	<2	32	1005
101248		10	<1	2.50	30	3.01	3250	4	0.27	34	1990	18	4.31	<2	26	1060
101249		10	<1	1.65	20	2.09	2770	4	0.10	29	1830	29	5.25	<2	17	1430
101250		10	<1	3.01	30	3.56	3490	6	0.03	47	1690	11	4.76	<2	27	1115
101251		10	<1	2.56	20	2.97	3160	6	0.03	54	1670	11	5.06	<2	30	1075
101252		10	<1	2.72	20	3.29	3330	4	0.03	49	1620	15	4.62	<2	33	1120
101253		10	<1	2.41	20	3.02	2900	9	0.03	51	1800	16	4.14	<2	28	910
101254		10	<1	2.19	20	2.79	2880	7	0.03	53	1840	7	5.01	<2	28	1000
101255		10	<1	2.53	20	2.81	2720	4	0.03	48	1650	24	4.46	<2	25	1040
101256		<10	<1	0.01	<10	0.80	149	<1	<0.01	<1	80	2	0.03	<2	<1	98
101257		10	<1	2.31	20	2.88	2620	2	0.05	42	1590	12	4.93	<2	26	1160
101258		10	<1	1.96	30	2.70	2820	2	0.07	37	1580	15	4.30	<2	27	1285
101259		10	<1	1.98	30	2.71	2820	2	0.07	39	1560	15	4.09	<2	28	1255
101260		10	<1	2.32	30	2.83	3620	2	0.06	33	1600	64	3.37	<2	27	1150
101261		10	<1	2.66	30	2.97	3860	2	0.03	30	1500	64	2.77	<2	27	1075
101262		10	<1	2.80	30	3.04	4010	3	0.03	31	1570	91	2.61	<2	27	994
101263		10	<1	2.69	20	3.01	2900	4	0.03	36	1680	73	3.45	<2	28	926
101264		10	<1	2.72	30	3.15	2980	4	0.03	34	1560	55	2.86	<2	25	861
101265		<10	<1	0.03	<10	0.46	140	<1	<0.01	1	70	<2	0.05	<2	<1	118
101266		10	<1	2.84	20	3.29	2910	3	0.03	34	1480	90	3.63	<2	27	965
101267		10	<1	2.99	20	3.28	2960	1	0.03	36	1570	19	3.72	<2	31	958
101268		10	<1	3.17	20	3.41	3480	2	0.03	43	1620	81	3.96	<2	27	966
101269		10	<1	1.47	20	1.44	2650	3	0.04	11	1210	32	5.05	<2	9	1810
101270		10	<1	1.13	10	0.76	1145	4	0.03	2	1040	116	6.34	<2	3	1755



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUM GOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 5 - B  
 Total # of pages : 6 (A - C)  
 Date : 27-Oct-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS**      **VA03041779**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
101271		10	<1	1.33	10	0.95	1470	2	0.04	2	1100	24	4.94	<2	3	1630
101272		10	<1	1.50	20	1.22	1665	2	0.04	4	1170	19	4.92	<2	4	1755
101273		10	<1	1.26	20	1.05	1965	1	0.03	5	1410	15	4.80	<2	7	1735
101274		<10	<1	0.53	10	0.20	540	5	0.05	2	350	30	3.80	<2	1	1835
101275		<10	<1	0.53	10	0.19	605	4	0.04	2	290	53	3.57	<2	1	2130
101276		<10	<1	0.17	<10	0.14	204	95	0.02	7	200	38	0.89	29	1	194
101277		<10	<1	0.45	10	0.14	659	3	0.93	2	270	107	2.57	<2	1	1605
101278		<10	<1	0.52	10	0.14	529	2	0.22	2	300	71	3.20	<2	<1	2120
101279		<10	<1	0.56	10	0.18	534	4	0.13	2	300	64	3.58	<2	1	2200
101280		<10	<1	0.42	10	0.11	426	3	0.10	2	320	55	2.70	<2	<1	2170
101281		<10	<1	0.45	10	0.11	430	3	0.10	1	330	61	2.76	<2	<1	2210
101282		<10	<1	0.42	10	0.10	381	5	0.17	1	180	58	3.29	<2	<1	2080
101283		10	<1	1.57	10	1.30	1440	16	0.03	4	1480	25	7.55	<2	3	1625
101284		10	<1	1.72	80	1.52	1670	7	0.03	5	1350	27	5.85	<2	4	1800
101285		10	<1	1.74	20	1.37	1490	5	0.03	4	1350	39	6.63	<2	4	1800
101286		<10	<1	0.03	<10	0.67	144	<1	<0.01	1	90	2	0.06	<2	<1	116
101287		10	<1	1.93	10	1.52	1850	3	0.03	4	1350	21	7.62	<2	10	2050
101288		10	<1	2.18	10	1.85	1670	2	0.06	4	1720	5	1.70	<2	13	886
101289		10	<1	2.26	10	1.91	1320	1	0.09	3	1830	4	0.38	<2	17	434
101290		10	<1	2.02	10	1.72	1575	2	0.07	4	1730	7	0.72	<2	13	594
101291		10	<1	1.71	30	1.58	2840	31	0.02	4	1070	972	6.70	<2	8	1940
101292		10	<1	2.07	40	1.73	2940	4	0.02	4	970	21	4.71	<2	8	1825
101293		10	<1	2.00	10	1.87	2520	4	0.02	5	1150	76	5.04	<2	6	1585
101294		10	<1	2.21	20	2.05	2570	3	0.03	4	1290	118	4.27	<2	6	1630
101295		10	<1	1.85	20	1.54	2200	7	0.03	4	1370	60	7.07	<2	7	1915
101296		10	<1	1.61	10	1.22	1800	5	0.04	2	1270	18	5.96	<2	10	1510
101297		10	<1	1.16	20	0.89	1235	4	0.05	4	1340	26	7.81	<2	3	1840
101298		10	<1	1.62	30	1.61	1435	7	0.03	11	1680	64	6.14	<2	2	1785
101299		10	<1	1.32	10	0.93	1250	6	0.03	2	1080	11	6.24	<2	5	1675
101300		10	1	2.57	10	2.56	2500	5	0.02	3	1010	65	4.76	<2	7	1705
101301		10	<1	2.99	10	3.16	2750	2	0.03	2	620	37	4.15	<2	6	1690
101302		10	<1	2.40	10	2.24	2760	3	0.05	5	1330	80	5.04	<2	11	1615
101303		10	<1	2.22	20	1.77	1605	4	0.04	6	1870	11	4.81	<2	4	1660
101304		10	<1	2.08	20	1.88	1825	4	0.21	8	1520	12	4.50	<2	10	1685
101305		10	<1	1.98	30	1.86	1800	4	0.06	8	1960	63	4.70	<2	6	1690
101306		<10	<1	0.03	<10	0.65	122	<1	<0.01	1	110	2	0.06	<2	<1	106
101307		10	<1	1.86	20	1.71	1535	2	0.09	8	2040	45	5.83	<2	7	1660
101308		10	<1	1.54	10	1.34	1640	6	0.03	3	1350	35	7.54	<2	5	1720
101309		10	<1	2.21	10	2.06	2230	5	0.03	4	2060	46	7.21	2	13	1445
101310		10	<1	2.35	20	2.27	2220	3	0.21	7	1910	112	4.93	<2	14	1630



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 6 - B

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
101311		10	<1	2.52	20	2.75	2860	2	0.13	25	1830	57	3.48	<2	15	1415
101312		<10	<1	0.04	10	0.22	618	5	0.09	35	1160	9	0.55	7	2	97
101313		10	<1	2.90	40	3.89	3960	1	0.03	50	1670	14	3.08	<2	26	1195
101314		10	<1	3.13	30	4.34	3840	1	0.03	44	1790	56	2.81	<2	29	1285
101315		10	<1	3.15	30	4.38	3880	1	0.03	48	1840	71	2.93	<2	29	1310
101316		10	1	3.42	20	5.22	3480	4	0.04	124	1490	62	3.57	<2	19	1040
101317		10	<1	3.21	30	4.87	3210	3	0.04	100	1590	60	3.37	<2	23	1190
101318		10	<1	3.61	10	6.15	2800	4	0.06	223	950	15	1.91	3	12	510
101319		10	<1	3.14	10	5.44	2980	3	0.06	156	1210	16	2.40	<2	15	694
101320		10	<1	3.49	10	5.66	2600	4	0.04	178	1330	32	2.12	<2	11	575
101321		10	<1	3.14	10	5.51	2710	4	0.06	225	1160	32	2.51	2	13	805
101322		10	<1	3.09	20	5.23	2890	3	0.06	148	1160	102	2.94	<2	13	1100
101323		10	<1	2.72	40	4.30	3460	4	0.05	112	1430	80	3.05	<2	22	1080
101324		10	<1	2.41	30	3.72	3430	5	0.05	88	1640	31	3.54	<2	23	1465
101325		<10	<1	0.19	<10	0.16	256	121	0.02	10	250	51	1.01	34	1	185
101326		10	<1	1.98	20	2.75	2940	3	0.36	29	1540	47	3.09	<2	22	1495
101327		10	<1	2.01	20	2.29	2770	4	0.15	36	1560	80	2.86	<2	17	1675
101328		10	<1	2.24	30	2.30	2890	4	0.13	34	1560	74	3.25	<2	14	1555
101329		10	<1	2.28	10	2.63	2940	3	0.06	30	1510	68	3.97	<2	16	1745
101330		10	1	2.22	20	2.40	2910	7	0.04	33	1510	118	3.47	<2	16	1605
101331		10	<1	2.28	20	2.58	3080	8	0.04	33	1610	128	3.71	<2	17	1710
101332		10	1	2.33	20	2.94	3380	2	0.04	29	1600	185	4.51	<2	21	1950
101333		10	<1	2.19	10	2.80	2970	2	0.04	32	1860	18	4.24	<2	22	1745
101334		10	<1	1.82	20	3.01	3260	3	0.08	31	1900	22	3.61	<2	24	1625
101335		10	<1	1.34	10	2.46	3100	4	0.07	32	1640	27	3.29	<2	23	1665
101336		<10	<1	0.03	<10	0.91	153	<1	<0.01	2	90	2	0.04	<2	<1	127
101337		10	<1	0.72	10	1.82	2600	2	0.04	38	1220	19	2.38	<2	18	1585
101338		10	<1	0.31	10	0.66	936	2	0.06	5	840	17	0.70	<2	4	981
101339		10	1	1.30	50	2.44	3330	2	0.05	28	1470	24	1.80	<2	21	1295
101340		10	<1	0.31	10	0.64	806	3	0.08	5	850	21	0.52	<2	4	722





# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101151		0.07	<10	<10	219	<10	66	
101152		0.07	<10	<10	179	<10	85	
101153		0.05	<10	<10	340	<10	67	
101154		0.06	<10	<10	219	<10	57	
101155		0.08	<10	<10	203	<10	58	
101156		0.11	<10	<10	425	<10	89	
101157		0.01	<10	<10	10	<10	73	
101158		0.11	<10	<10	369	<10	79	
101159		0.14	<10	<10	500	<10	89	
101160		0.10	<10	<10	664	<10	75	
101161		<0.01	<10	<10	32	<10	30	
101162		<0.01	<10	<10	16	<10	18	
101163		<0.01	<10	<10	15	<10	18	
101164		<0.01	<10	<10	29	<10	25	
101165		<0.01	<10	<10	20	<10	16	
101166		<0.01	<10	<10	30	<10	48	
101167		<0.01	<10	<10	15	<10	669	
101168		<0.01	<10	<10	1	<10	3	
101169		<0.01	<10	<10	17	<10	355	
101170		<0.01	<10	<10	12	<10	77	
101171		<0.01	<10	<10	5	<10	7	
101172		<0.01	<10	<10	6	<10	17	
101173		<0.01	<10	<10	16	<10	33	
101174		<0.01	<10	<10	5	<10	43	
101175		0.04	<10	<10	22	<10	56	
101176		<0.01	<10	<10	4	<10	21	
101177		<0.01	<10	<10	4	<10	60	
101178		<0.01	<10	10	8	<10	196	
101179		<0.01	<10	<10	9	<10	60	
101180		<0.01	<10	<10	1	<10	5	
101181		0.03	<10	<10	167	<10	102	
101182		0.02	<10	<10	106	<10	47	
101183		0.08	<10	<10	232	<10	81	
101184		0.01	<10	<10	63	<10	36	
101185		0.04	<10	<10	104	<10	83	
101186		0.03	<10	<10	105	<10	83	
101187		<0.01	<10	<10	17	<10	9	
101188		<0.01	<10	<10	12	<10	8	
101189		0.01	<10	<10	51	<10	22	
101190		0.01	<10	10	71	<10	28	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101191		0.01	<10	<10	27	<10	17	
101192		0.10	<10	<10	53	<10	56	
101193		0.04	<10	<10	44	<10	44	
101194		0.02	<10	<10	40	<10	44	
101195		0.02	<10	<10	40	<10	45	
101196		0.05	<10	<10	47	<10	46	
101197		0.09	<10	<10	56	<10	53	
101198		0.01	<10	<10	103	<10	28	
101199		0.01	<10	<10	111	<10	23	
101200		0.04	<10	<10	22	<10	56	
101201		0.01	<10	<10	108	<10	25	
101202		0.01	<10	<10	103	<10	31	
101203		0.01	<10	10	109	<10	42	
101204		0.02	<10	<10	79	<10	749	
101205		0.03	<10	<10	194	<10	42	
101206		0.01	<10	<10	256	<10	36	
101207		<0.01	<10	<10	1	<10	<2	1.40
101208		0.03	<10	10	257	<10	57	
101209		0.02	<10	<10	361	<10	48	
101210		0.01	<10	<10	111	<10	48	
101211		0.02	<10	<10	152	<10	50	
101212		0.01	<10	<10	139	<10	40	
101213		0.03	<10	<10	134	<10	47	
101214		0.04	<10	<10	162	<10	62	
101215		0.02	<10	<10	98	<10	33	
101216		0.01	<10	10	107	<10	35	
101217		0.01	<10	<10	104	<10	35	
101218		0.01	<10	<10	61	<10	15	
101219		0.01	<10	<10	37	<10	12	
101220		0.01	<10	<10	103	<10	92	
101221		0.04	<10	<10	33	<10	141	
101222		0.03	<10	<10	195	<10	53	1.24
101223		0.01	<10	<10	132	<10	269	
101224		0.02	<10	10	166	<10	35	
101225		0.02	<10	<10	227	<10	53	
101226		0.06	<10	<10	323	<10	71	1.82
101227		<0.01	<10	<10	<1	<10	5	1.55
101228		0.02	<10	<10	223	<10	46	1.77
101229		0.04	<10	<10	242	<10	161	
101230		0.05	<10	<10	201	<10	85	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 4 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		TI % 0.01	TI ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101231		0.04	<10	<10	140	<10	105	1.23
101232		0.07	<10	<10	145	<10	110	1.18
101233		0.02	<10	<10	141	<10	83	
101234		<0.01	<10	<10	<1	<10	2	
101235		0.04	<10	<10	171	<10	83	
101236		0.05	<10	<10	116	<10	126	
101237		0.04	<10	<10	138	<10	104	
101238		0.07	<10	10	80	<10	212	
101239		0.07	<10	10	78	<10	198	
101240		0.09	<10	<10	79	<10	198	
101241		0.08	<10	<10	75	<10	116	
101242		0.07	<10	<10	64	<10	271	
101243		0.05	<10	10	145	<10	136	
101244		0.06	<10	10	90	<10	108	
101245		0.21	<10	10	382	<10	224	
101246		0.01	<10	<10	11	<10	81	
101247		0.25	<10	<10	455	<10	912	
101248		0.24	<10	<10	485	<10	639	
101249		0.20	<10	10	402	<10	429	
101250		0.25	<10	10	486	<10	379	
101251		0.26	<10	<10	420	<10	357	
101252		0.29	<10	<10	403	<10	436	
101253		0.26	<10	<10	374	<10	610	
101254		0.24	<10	<10	303	<10	436	
101255		0.25	<10	10	309	<10	579	
101256		<0.01	<10	<10	<1	<10	3	
101257		0.25	<10	<10	307	<10	312	
101258		0.25	<10	10	406	<10	345	
101259		0.25	<10	10	417	<10	348	
101260		0.24	<10	10	333	<10	378	
101261		0.27	<10	10	374	<10	354	
101262		0.27	<10	10	363	<10	439	
101263		0.26	<10	<10	291	<10	472	
101264		0.25	<10	<10	244	<10	380	
101265		<0.01	<10	<10	<1	<10	5	
101266		0.25	<10	10	252	<10	492	
101267		0.29	<10	10	342	<10	355	
101268		0.27	<10	10	358	<10	489	
101269		0.16	<10	10	230	<10	128	
101270		0.13	<10	<10	135	<10	320	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 5 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101271		0.17	<10	10	154	<10	230	
101272		0.18	<10	10	171	<10	280	
101273		0.17	<10	20	353	<10	233	
101274		0.06	<10	10	38	<10	250	
101275		0.05	<10	10	31	10	127	
101276		0.01	<10	<10	9	<10	55	
101277		0.07	<10	10	39	<10	186	
101278		0.07	<10	10	21	<10	164	
101279		0.06	<10	10	30	<10	278	
101280		0.06	<10	20	22	<10	289	
101281		0.06	<10	10	22	<10	309	
101282		0.05	<10	10	13	<10	152	
101283		0.16	<10	10	84	<10	276	
101284		0.16	<10	<10	85	<10	267	
101285		0.17	<10	10	76	<10	871	
101286		<0.01	<10	<10	<1	<10	8	
101287		0.19	<10	10	184	<10	387	
101288		0.25	<10	<10	197	<10	164	
101289		0.28	<10	<10	208	<10	104	
101290		0.25	<10	<10	200	<10	97	
101291		0.18	<10	10	342	<10	2530	
101292		0.21	<10	10	252	<10	311	
101293		0.21	<10	<10	175	<10	377	
101294		0.20	<10	10	220	<10	495	
101295		0.18	<10	<10	173	<10	455	
101296		0.16	<10	10	117	<10	335	
101297		0.15	<10	10	97	<10	484	
101298		0.16	<10	<10	76	<10	815	
101299		0.17	<10	<10	189	<10	199	
101300		0.20	<10	<10	286	<10	520	
101301		0.18	<10	<10	252	<10	323	
101302		0.21	<10	<10	268	<10	400	
101303		0.19	<10	<10	145	<10	421	
101304		0.18	<10	<10	148	<10	481	
101305		0.17	<10	<10	122	<10	481	
101306		<0.01	<10	<10	<1	<10	4	
101307		0.19	<10	<10	145	<10	885	
101308		0.15	<10	<10	104	<10	339	
101309		0.22	<10	<10	175	<10	364	
101310		0.23	<10	<10	264	<10	351	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 6 - C

Total # of pages : 6 (A - C)

Date : 27-Oct-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03041779

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
101311		0.27	<10	10	344	<10	447	
101312		0.05	<10	<10	24	<10	65	
101313		0.27	<10	<10	363	<10	353	
101314		0.28	<10	<10	322	<10	363	
101315		0.28	<10	<10	329	<10	375	
101316		0.24	<10	<10	195	<10	420	
101317		0.25	<10	10	185	<10	416	
101318		0.19	<10	<10	128	<10	306	
101319		0.19	<10	<10	155	<10	409	
101320		0.20	<10	<10	159	<10	349	
101321		0.21	<10	<10	157	<10	315	
101322		0.23	<10	<10	169	<10	284	
101323		0.25	<10	<10	175	<10	472	
101324		0.23	<10	<10	161	<10	446	
101325		0.01	<10	<10	11	<10	89	
101326		0.17	<10	<10	159	<10	409	
101327		0.16	<10	<10	168	<10	578	
101328		0.16	<10	<10	203	<10	468	
101329		0.15	<10	<10	191	<10	458	
101330		0.14	<10	<10	197	<10	558	
101331		0.15	<10	<10	199	<10	573	
101332		0.16	<10	<10	238	<10	413	
101333		0.16	<10	<10	253	<10	243	
101334		0.16	<10	<10	251	<10	283	
101335		0.11	<10	<10	245	<10	291	
101336		<0.01	<10	<10	3	<10	4	
101337		0.05	<10	<10	215	<10	279	
101338		0.08	<10	<10	142	<10	68	
101339		0.16	<10	<10	188	<10	752	
101340		0.12	<10	<10	137	<10	60	



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.  
212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page # : 1  
Date : 10-Nov-2003  
Account: SPEGOL

## CERTIFICATE VA03042107

Project : Galore Creek

P.O. No:

This report is for 88 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 31-Oct-2003.

The following have access to data associated with this certificate:

JACK COTE  
JOE PIEKENBROCK

JIM MUNTZERT  
MIKE STAMMERS

SCOTT PETSSEL

*Hole GC 03-445*

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: SPECTRUMGOLD INC.  
ATTN: JOE PIEKENBROCK  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - A

Total # of pages : 4 (A - C)

Date : 10-Nov-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS

VA03042107

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
100692		0.36	0.024	<0.2	1.23	2	<10	420	1.9	<2	3.01	0.5	7	13	190	2.30
100693		0.68	0.006	<0.2	1.14	3	<10	410	1.8	<2	3.14	0.6	7	15	95	2.53
100694		1.36	0.015	0.4	1.93	10	<10	70	1.6	<2	2.47	1.3	8	10	349	2.90
100695		0.58	<0.005	<0.2	0.02	4	<10	30	<0.5	<2	>15.0	<0.5	<1	3	3	0.09
100696		0.98	0.014	0.4	2.54	6	<10	120	1.8	<2	2.37	1.2	12	9	311	2.38
100697		0.76	0.087	5.9	4.53	16	<10	30	1.6	3	2.36	8.8	47	3	7820	5.34
100698		1.66	0.207	11.9	2.79	15	<10	20	1.3	9	2.18	16.4	65	7	>10000	4.13
100699		1.50	0.284	27.3	2.82	23	<10	20	1.8	10	1.96	26.0	95	<1	>10000	5.86
100700		2.88	0.427	16.4	2.49	16	<10	20	1.7	7	1.84	19.6	68	10	>10000	4.52
101341		1.94	0.205	11.0	2.68	11	<10	30	1.2	9	1.34	10.9	55	4	>10000	3.54
101342		3.48	0.212	12.6	3.06	14	<10	40	1.1	3	1.34	20.0	65	5	>10000	4.41
101343		0.10	0.026	17.1	0.42	11	<10	130	<0.5	3	1.02	0.5	4	45	6720	1.42
101344		2.80	0.196	11.4	3.01	15	<10	70	1.4	9	1.20	9.4	51	5	>10000	3.11
101345		2.40	0.180	17.4	2.58	13	<10	60	1.7	12	1.08	13.0	50	7	>10000	3.41
101346		2.92	0.152	17.0	2.84	16	<10	70	1.3	9	1.61	12.3	55	3	>10000	4.10
101347		1.26	0.330	17.4	3.93	14	<10	50	1.9	11	1.33	8.7	60	6	>10000	4.41
101348		4.28	0.107	8.5	2.33	9	<10	100	1.6	2	1.22	6.3	37	6	>10000	2.45
101349		<0.02	0.115	8.5	2.39	8	<10	90	1.7	2	1.24	6.3	39	7	>10000	2.48
101350		4.88	0.129	13.4	2.77	14	<10	60	1.2	14	1.00	11.9	57	6	>10000	3.48
101351		7.82	0.141	14.5	2.74	19	<10	40	1.3	8	1.60	9.8	68	4	>10000	3.94
101352		3.04	0.199	21.7	2.65	21	<10	30	1.4	6	1.54	16.4	96	<1	>10000	5.36
101353		1.94	0.113	6.7	1.68	11	<10	80	0.8	<2	1.96	5.2	37	5	8820	2.35
101354		5.28	0.005	<0.2	0.03	4	<10	30	<0.5	<2	>15.0	<0.5	<1	1	80	0.13
101355		0.52	0.337	12.9	1.29	18	<10	20	1.2	3	4.02	6.8	47	3	>10000	4.41
101356		2.16	0.165	9.1	0.86	21	<10	30	1.2	5	3.75	24.6	48	3	>10000	3.43
101357		1.12	0.174	10.7	2.01	55	<10	40	0.8	4	1.62	7.8	51	13	>10000	3.62
101358		2.76	0.234	11.0	2.30	16	<10	60	1.0	<2	4.94	10.2	52	13	>10000	5.47
101359		1.88	0.078	1.6	2.45	10	<10	140	1.3	<2	1.24	2.6	26	14	2760	2.13
101360		5.28	0.276	12.6	3.62	14	<10	60	1.9	13	2.83	10.2	71	9	>10000	4.63
101361		5.48	0.209	12.1	3.41	9	<10	60	2.0	12	2.77	9.2	62	11	>10000	4.19
101362		6.14	0.322	>100	2.63	17	<10	30	1.4	7	2.08	10.4	61	10	>10000	4.24
101363		0.10	0.541	0.7	0.95	3670	40	10	<0.5	19	6.22	0.7	110	12	143	3.54
101364		2.82	0.143	7.2	2.59	15	<10	70	1.0	2	2.64	7.1	42	7	>10000	3.21
101365		2.80	1.050	28.4	2.99	17	<10	50	0.9	<2	3.07	9.7	59	5	>10000	4.58
101366		2.90	0.231	10.2	3.72	21	<10	100	1.0	11	4.77	9.7	58	6	>10000	5.52
101367		2.08	0.246	12.1	3.39	14	<10	70	0.9	<2	2.26	10.2	62	3	>10000	4.20
101368		4.80	0.493	12.8	1.96	142	<10	40	1.2	9	4.04	15.9	92	<1	>10000	5.98
101369		<0.02	0.372	13.8	1.94	140	<10	30	1.1	6	3.94	15.8	89	<1	>10000	5.95
101370		3.96	0.338	16.0	3.82	26	<10	30	1.4	2	5.73	14.6	88	6	>10000	7.24
101371		2.86	0.436	44.1	3.65	12	<10	20	1.0	3	2.68	18.6	134	1	>10000	8.46

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - A  
Total # of pages : 4 (A - C)  
Date : 10-Nov-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
101372	4.80	0.433	24.5	3.16	10	<10	20	1.1	<2	2.89	15.1	87	3	>10000	5.83
101373	5.04	0.372	17.8	2.11	29	<10	30	1.1	2	2.86	17.3	98	3	>10000	6.31
101374	4.22	0.752	37.6	1.48	59	<10	10	0.5	8	1.88	29.3	166	<1	>10000	11.10
101375	0.46	<0.005	<0.2	0.02	3	<10	40	<0.5	<2	>15.0	<0.5	1	2	233	0.13
101376	5.52	0.596	22.6	1.96	75	<10	20	1.1	<2	3.82	21.4	127	<1	>10000	8.31
101377	5.64	0.554	24.0	2.65	37	<10	30	0.8	5	3.11	15.2	126	<1	>10000	7.88
101378	3.14	0.443	37.8	3.51	28	<10	20	0.9	9	2.53	18.0	112	1	>10000	8.37
101379	3.52	0.128	7.2	4.53	6	<10	160	0.8	3	2.95	5.6	52	10	6920	4.61
101380	4.84	0.182	6.5	4.50	11	<10	90	1.0	3	4.07	5.0	37	11	6530	3.71
101381	1.92	<0.005	0.2	1.36	<2	<10	170	<0.5	<2	2.00	<0.5	19	34	186	3.60
101382	2.90	<0.005	<0.2	1.40	<2	<10	140	<0.5	<2	2.05	<0.5	18	42	126	3.52
101383	0.06	0.041	19.5	0.46	14	<10	150	<0.5	2	1.08	0.5	4	49	6870	1.46
101384	1.78	0.135	8.7	2.72	19	<10	60	1.1	<2	7.86	10.1	32	10	9380	5.73
101385	2.68	0.206	11.9	3.79	20	<10	60	1.0	<2	6.55	10.8	47	7	>10000	6.13
101386	1.40	0.039	1.5	3.53	12	<10	190	1.0	2	8.68	0.5	19	7	1545	5.23
101387	2.90	0.039	0.5	3.02	38	<10	170	0.8	<2	11.90	<0.5	10	7	607	6.53
101388	4.68	0.039	1.0	3.45	43	<10	80	0.7	<2	11.05	<0.5	11	10	921	5.59
101389	<0.02	0.066	1.2	3.53	32	<10	100	0.7	2	10.60	<0.5	12	9	1085	5.49
101390	4.94	0.019	1.3	3.21	28	<10	140	1.1	<2	12.00	<0.5	12	9	470	6.34
101391	3.22	0.075	2.6	2.90	12	<10	60	0.6	<2	9.04	2.1	20	9	3310	4.51
101392	2.26	0.061	4.0	1.03	3	<10	50	0.7	<2	4.73	2.4	10	6	3090	1.20
101393	3.84	0.108	4.2	2.09	18	<10	60	0.8	3	10.40	2.2	19	7	3710	6.07
101394	3.98	0.327	19.2	0.98	39	<10	30	<0.5	7	9.74	20.6	72	3	>10000	5.90
101395	0.56	0.005	<0.2	0.06	8	<10	50	<0.5	<2	>15.0	<0.5	1	4	206	0.19
101396	3.86	0.229	10.8	1.14	23	<10	30	0.7	2	5.08	8.6	47	4	>10000	3.72
101397	4.22	0.165	5.7	1.42	13	<10	30	0.7	2	5.01	3.7	34	8	6360	3.04
101398	4.30	0.085	2.9	2.70	27	<10	50	0.9	<2	7.50	1.4	29	12	3610	4.81
101399	3.46	0.077	7.2	2.72	<2	<10	30	<0.5	<2	3.61	3.2	25	5	4680	3.12
101400	4.34	0.046	3.4	2.80	3	<10	40	0.5	<2	4.17	2.1	24	6	3470	3.11
101401	2.90	0.118	2.3	1.06	24	<10	30	0.6	<2	6.77	5.2	24	4	5860	2.28
101402	2.78	0.147	5.9	1.91	30	<10	40	1.2	<2	9.71	8.4	36	5	>10000	5.81
101403	0.10	2.92	<0.2	1.35	5500	<10	20	<0.5	14	4.96	0.6	154	28	60	2.96
101404	6.36	0.006	<0.2	1.34	18	<10	210	1.1	<2	4.22	<0.5	9	19	440	2.68
101405	6.48	0.007	<0.2	1.01	2	<10	180	0.9	<2	3.18	<0.5	7	16	160	2.36
101406	6.36	<0.005	<0.2	1.20	<2	<10	150	1.0	<2	2.67	<0.5	7	18	34	2.17
101407	6.12	<0.005	<0.2	1.34	<2	<10	280	1.0	<2	2.96	<0.5	8	22	49	2.45
101408	6.30	0.017	<0.2	1.20	<2	<10	220	1.0	<2	3.05	<0.5	7	19	50	2.42
101409	<0.02	0.005	<0.2	1.19	<2	<10	150	1.0	<2	3.16	<0.5	7	19	53	2.37
101410	6.18	0.007	<0.2	1.67	<2	<10	160	1.1	<2	2.89	<0.5	7	32	37	2.53
101411	6.34	<0.005	<0.2	1.56	<2	<10	200	1.0	<2	2.77	<0.5	7	19	40	2.40

Comments: Highly Mineralized Samples may bias results for some elements





# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 4- A

Total # of pages: 4 (A -C)

Date: 10-Nov-2003

Account: SPEGOL

Project: Galore Creek

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA03042107</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
101412		6.04	<0.005	<0.2	1.32	<2	<10	250	1.1	<2	2.82	<0.5	7	20	33	2.38
101413		6.26	<0.005	<0.2	1.42	<2	<10	140	1.1	<2	2.65	<0.5	7	20	45	2.17
101414		6.32	0.009	<0.2	1.50	<2	<10	180	1.2	<2	2.94	<0.5	7	21	37	2.36
101415		0.58	<0.005	<0.2	0.02	2	<10	40	<0.5	<2	>15.0	<0.5	<1	2	13	0.12
101416		6.22	<0.005	<0.2	1.94	<2	<10	220	1.2	<2	2.47	<0.5	7	23	45	2.22
101417		6.02	0.006	0.2	2.12	<2	<10	240	1.3	<2	2.78	<0.5	8	20	290	2.30
101418		3.76	0.055	3.2	2.59	5	<10	40	1.0	<2	6.08	5.3	22	9	4270	2.16
101419		3.12	0.111	6.3	1.56	9	<10	40	0.9	<2	7.14	5.3	26	14	6410	2.60

Comments: Highly Mineralized Samples may bias results for some elements



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 2--B  
 Total # of pages : 4 (A-C)  
 Date : 10-Nov-2003  
 Account: SPEGOL

Project : Galore Creek

**CERTIFICATE OF ANALYSIS**      **VA03042107**

Sample Description	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
100692	10	<1	0.80	30	0.56	1365	1	0.13	1	910	14	0.42	<2	3	1510
100693	10	<1	0.76	30	0.58	1325	2	0.16	1	920	30	0.11	<2	3	1095
100694	10	1	0.81	30	0.71	1400	5	0.42	2	1060	49	1.56	2	4	451
100695	<10	<1	0.01	<10	0.44	97	<1	<0.01	<1	80	3	<0.5	<2	<1	96
100696	10	<1	0.76	30	0.61	1300	22	1.08	2	980	166	1.02	<2	4	1120
100697	20	1	3.69	20	4.25	4910	9	0.11	<1	1080	42	2.61	2	3	216
100698	10	<1	2.26	20	2.34	2260	11	0.06	1	690	27	2.52	<2	1	313
100699	10	1	2.25	20	2.74	2360	22	0.14	1	890	8	4.05	2	1	205
100700	10	1	1.57	10	1.60	1860	3	0.26	1	500	39	3.80	<2	1	257
101341	10	1	1.72	10	1.86	1930	21	0.40	1	560	12	2.30	<2	<1	686
101342	10	1	2.24	10	2.52	2730	8	0.23	<1	600	13	2.56	<2	1	2190
101343	<10	<1	0.18	<10	0.14	222	94	0.02	8	210	38	0.91	29	1	184
101344	10	1	1.54	10	1.66	1815	48	0.66	1	720	24	2.25	2	1	4500
101345	10	<1	1.54	10	1.65	2150	116	0.18	2	470	223	2.63	3	1	5230
101346	10	1	2.34	10	2.67	3100	37	0.06	1	540	299	2.72	<2	2	4910
101347	10	<1	2.37	10	2.54	2650	3	0.62	1	460	20	2.61	<2	1	2370
101348	10	<1	1.30	10	1.34	1275	17	0.65	<1	330	14	1.53	<2	<1	3400
101349	10	1	1.32	10	1.36	1300	17	0.66	<1	320	16	1.56	<2	<1	3410
101350	10	1	1.61	10	1.72	1805	9	0.81	<1	700	13	2.20	<2	1	3540
101351	10	<1	1.92	20	1.90	2330	11	0.45	1	760	40	2.46	<2	1	3430
101352	10	1	1.95	20	1.96	2510	4	0.31	<1	900	194	3.33	<2	1	2980
101353	10	<1	1.32	20	1.18	2010	20	0.03	<1	480	81	1.48	<2	1	2250
101354	<10	<1	0.02	<10	0.65	127	<1	<0.01	<1	80	3	<0.5	<2	<1	112
101355	10	<1	1.06	20	2.24	2960	10	0.02	1	1060	136	2.89	<2	1	2030
101356	<10	1	0.69	20	1.67	2630	37	0.02	1	550	1765	2.86	42	1	1640
101357	10	<1	1.62	10	1.48	2510	15	0.02	2	590	122	2.22	2	1	2430
101358	10	<1	1.58	20	1.44	3070	10	0.11	3	910	484	2.79	<2	2	2510
101359	10	<1	0.90	10	0.73	1390	40	1.14	1	340	164	1.40	<2	1	1465
101360	10	1	1.84	20	2.12	3340	6	1.30	1	780	246	2.78	<2	1	2970
101361	10	1	1.48	20	1.62	2570	5	1.65	2	680	841	2.37	<2	1	2330
101362	10	1	1.54	20	1.50	2340	8	0.55	1	700	362	2.92	<2	1	2770
101363	<10	<1	0.04	10	0.21	606	35	0.07	30	1240	18	1.38	8	1	92
101364	10	<1	1.32	20	1.40	2370	3	0.73	2	570	186	1.89	2	1	2970
101365	10	<1	1.53	20	1.60	2950	5	0.90	3	1060	953	2.45	<2	1	1515
101366	10	<1	1.80	30	2.05	4200	2	1.15	3	1750	1415	1.93	<2	2	1765
101367	10	<1	1.59	20	1.70	3240	10	1.18	1	940	210	2.14	<2	1	1650
101368	10	1	1.32	50	2.00	3670	11	0.10	5	1480	277	3.08	3	1	2060
101369	10	1	1.32	40	1.98	3600	9	0.09	4	1500	340	3.15	2	1	2010
101370	20	<1	1.93	30	2.21	4720	<1	0.92	6	1540	116	3.25	2	2	2500
101371	20	<1	2.47	20	2.78	3950	1	0.69	5	1560	78	4.84	<2	2	2000

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.  
 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
 Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUM GOLD INC.  
 PO BOX 49215 FOUR BENTALL CENTRE  
 3454-1055 DUNSMUIR ST  
 VANCOUVER BC V7X 1K8

Page #: 3-- B  
 Total # of pages : 4 (A -C)  
 Date : 10-Nov-2003  
 Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
101372		20	<1	2.08	20	2.48	3880	9	0.49	2	1180	355	3.61	<2	1	1900
101373		10	<1	1.35	20	1.68	2830	7	0.28	2	1120	39	4.43	<2	1	1835
101374		10	<1	1.42	40	1.83	2670	11	0.02	1	2270	94	6.9	<2	2	1275
101375		<10	<1	0.02	<10	0.51	132	<1	0.01	<1	100	<2	<0.5	<2	<1	113
101376		20	<1	1.48	50	2.86	4000	7	0.02	1	2190	208	5.34	2	1	1520
101377		20	<1	2.15	40	2.93	3780	4	0.25	3	2430	145	4.71	<2	2	1450
101378		20	<1	2.64	30	2.97	4080	14	0.54	8	2690	198	4.58	<2	2	1385
101379		20	<1	3.24	20	3.94	5480	250	0.84	5	930	926	1.18	<2	2	1090
101380		20	<1	2.57	40	3.14	4750	14	1.25	6	1400	608	1.20	<2	2	1995
101381		10	<1	0.11	20	1.26	619	4	0.18	13	1740	20	0.38	<2	6	254
101382		10	<1	0.11	10	1.30	563	<1	0.20	16	1770	24	0.23	<2	7	252
101383		<10	<1	0.20	<10	0.15	227	102	0.02	8	230	41	0.98	36	1	203
101384		20	<1	1.94	50	2.17	4280	3	0.06	6	2710	561	3.05	<2	3	1605
101385		20	<1	2.77	60	3.28	5680	47	0.39	10	3160	841	2.94	<2	2	1355
101386		20	<1	2.10	60	2.79	5550	5	0.80	5	1780	304	1.50	<2	2	1835
101387		20	<1	1.36	80	1.71	4850	<1	0.74	4	4400	475	2.45	<2	3	1940
101388		20	<1	1.34	60	1.76	4300	<1	1.16	4	4230	411	2.57	<2	3	2260
101389		20	<1	1.34	60	1.76	4270	<1	1.24	4	3810	482	2.46	<2	3	2200
101390		20	<1	1.79	60	2.24	4900	105	0.69	5	3280	449	3.05	<2	4	2140
101391		20	<1	1.66	40	2.14	3850	366	0.72	6	1800	714	3.47	<2	3	2360
101392		10	<1	0.62	30	0.63	1090	78	0.03	2	1000	386	1.88	<2	1	2680
101393		20	<1	1.42	60	2.11	4520	79	0.16	6	1890	760	3.01	<2	5	2300
101394		10	<1	0.73	20	1.02	3030	43	0.02	8	640	566	5.8	2	3	2270
101395		<10	<1	0.05	<10	0.50	192	2	0.01	<1	130	24	<0.5	<2	<1	174
101396		10	<1	0.82	60	1.90	2760	590	0.02	3	640	942	2.94	<2	1	2440
101397		10	<1	1.08	30	2.13	2530	350	0.02	3	990	336	2.55	<2	1	2940
101398		20	<1	1.90	100	2.59	3790	28	0.41	5	2990	170	2.57	<2	3	2210
101399		20	<1	2.39	10	2.99	3430	49	0.07	1	660	214	2.62	<2	2	1975
101400		20	<1	2.44	20	3.25	3850	65	0.05	2	690	144	2.50	<2	1	1975
101401		10	<1	0.67	30	1.61	2080	<1	0.02	5	710	168	4.07	<2	1	2530
101402		20	<1	1.04	70	2.13	3500	<1	0.03	10	2990	496	3.97	<2	1	2170
101403		10	<1	0.04	<10	0.20	581	4	0.09	29	1160	9	0.53	7	2	102
101404		10	<1	0.64	40	0.68	966	<1	0.21	3	2340	25	1.14	<2	5	1075
101405		10	<1	0.52	10	0.66	832	<1	0.12	3	1030	17	0.80	<2	5	860
101406		10	<1	0.61	10	0.61	734	<1	0.30	3	1000	15	0.61	<2	4	779
101407		10	<1	0.83	10	0.71	784	<1	0.18	3	1040	12	0.70	<2	5	1055
101408		10	<1	0.77	10	0.66	771	<1	0.16	3	970	6	0.82	<2	5	1010
101409		10	<1	0.76	10	0.64	761	<1	0.16	3	1000	7	0.89	<2	5	1135
101410		10	<1	0.83	10	0.69	822	<1	0.46	3	960	9	0.68	<2	6	744
101411		10	<1	0.68	10	0.67	760	<1	0.49	2	980	12	0.49	<2	5	860

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.

PO BOX 49215 FOUR BENTALL CENTRE

3454-1055 DUNSMUIR ST

VANCOUVER BC V7X 1K8

Page #: 4 - B

Total # of pages : 4 (A - C)

Date : 10-Nov-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
101412		10	<1	0.66	10	0.64	817	<1	0.30	2	980	8	0.48	2	5	1020
101413		10	<1	0.56	10	0.64	757	<1	0.41	2	950	20	0.90	<2	5	660
101414		10	<1	0.71	10	0.65	803	<1	0.46	2	970	9	0.61	<2	5	853
101415		<10	<1	0.04	<10	0.61	138	<1	0.01	<1	120	<2	<0.5	<2	<1	110
101416		10	<1	0.75	10	0.67	693	<1	0.80	3	1000	10	0.61	<2	4	811
101417		10	<1	0.73	10	0.68	889	<1	0.92	3	980	22	0.83	<2	5	872
101418		10	<1	1.40	30	1.64	2330	<1	0.72	2	990	132	3.39	<2	1	2360
101419		10	<1	1.10	20	1.34	2790	9	0.11	6	890	296	4.42	<2	1	2270

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 2 - C  
Total # of pages : 4 (A - C)  
Date : 10-Nov-2003  
Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Cu-AA46
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.01
100692		0.08	<10	<10	102	<10	102		
100693		0.07	<10	<10	121	<10	150		
100694		0.12	<10	<10	114	<10	214		
100695		<0.01	<10	<10	<1	<10	2		
100696		0.11	<10	10	106	<10	217		
100697		0.21	<10	10	142	<10	1350		
100698		0.15	<10	10	63	<10	2120		1.55
100699		0.14	<10	<10	45	<10	3390		3.43
100700		0.13	<10	10	60	<10	2390		1.93
101341		0.12	<10	<10	38	<10	1395		1.56
101342		0.14	<10	<10	48	<10	2530		1.83
101343		0.01	<10	<10	9	<10	73		
101344		0.13	<10	10	34	<10	1205		1.39
101345		0.16	<10	<10	47	<10	1570		1.42
101346		0.16	<10	<10	53	<10	1590		1.63
101347		0.15	<10	<10	56	<10	1035		1.63
101348		0.11	<10	<10	26	<10	769		1.08
101349		0.11	<10	<10	27	<10	788		1.09
101350		0.13	<10	<10	30	<10	1515		1.50
101351		0.14	<10	<10	41	<10	1190		1.75
101352		0.15	<10	10	52	<10	1990		2.97
101353		0.05	<10	<10	42	<10	653		
101354		<0.01	<10	<10	<1	<10	9		
101355		0.03	<10	<10	36	<10	796		1.72
101356		0.02	<10	20	28	<10	3020		1.21
101357		0.13	<10	<10	53	<10	899		1.61
101358		0.13	<10	<10	154	<10	1155		2.04
101359		0.10	<10	10	60	<10	332		
101360		0.16	<10	10	58	<10	1280		1.90
101361		0.14	<10	10	71	<10	1090		1.88
101362		0.15	<10	<10	74	<10	1230	148	1.64
101363		0.05	<10	<10	34	<10	140		
101364		0.11	<10	<10	62	<10	841		1.34
101365		0.14	<10	<10	85	<10	1145		2.10
101366		0.15	<10	<10	144	<10	1125		1.51
101367		0.13	<10	<10	82	<10	1205		1.80
101368		0.05	<10	<10	71	<10	1665		2.88
101369		0.05	<10	<10	72	<10	1675		2.95
101370		0.15	<10	20	144	<10	1775		2.56
101371		0.15	<10	10	94	<10	2320		5.12

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 3 - C

Total # of pages : 4 (A - C)

Date : 10-Nov-2003

Account: SPEGOL

Project : Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Cu-AA46
		Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.01
101372		0.11	<10	10	71	<10	1850		2.67
101373		0.06	<10	10	45	<10	1985		3.69
101374		0.06	<10	10	44	<10	3730		7.97
101375		<0.01	<10	10	1	<10	12		
101376		0.04	<10	10	66	<10	2330		4.06
101377		0.10	<10	10	64	<10	1710		4.02
101378		0.13	<10	10	99	<10	1995		4.77
101379		0.16	<10	10	136	<10	891		
101380		0.16	<10	20	116	<10	750		
101381		0.25	<10	<10	84	<10	58		
101382		0.28	<10	10	94	<10	52		
101383		0.01	<10	<10	10	<10	78		
101384		0.16	<10	20	342	<10	1140		
101385		0.16	<10	20	291	<10	1260		1.15
101386		0.12	<10	20	307	<10	342		
101387		0.11	<10	20	535	<10	174		
101388		0.11	<10	20	423	<10	194		
101389		0.11	<10	20	404	<10	199		
101390		0.15	<10	20	470	<10	180		
101391		0.14	<10	20	279	<10	340		
101392		0.01	<10	10	34	<10	277		
101393		0.16	<10	20	379	<10	359		
101394		0.09	<10	20	155	<10	2130		2.44
101395		<0.01	<10	10	6	<10	20		
101396		0.02	<10	10	61	<10	1045		1.31
101397		0.03	<10	10	57	<10	474		
101398		0.10	<10	10	247	<10	357		
101399		0.08	<10	10	75	<10	479		
101400		0.08	<10	10	69	<10	450		
101401		0.02	<10	10	39	<10	553		
101402		0.05	<10	10	175	<10	879		1.07
101403		0.04	<10	10	24	<10	59		
101404		0.10	<10	10	147	<10	75		
101405		0.06	<10	10	124	<10	54		
101406		0.07	<10	<10	117	<10	47		
101407		0.11	<10	10	139	<10	58		
101408		0.08	<10	10	128	<10	44		
101409		0.08	<10	<10	124	<10	42		
101410		0.12	<10	10	148	<10	42		
101411		0.10	<10	<10	143	<10	46		

Comments: Highly Mineralized Samples may bias results for some elements



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue  
North Vancouver BC V7J 2C1 Canada  
Phone: 604 984 0221 Fax: 604 984 0218

To: SPECTRUMGOLD INC.  
PO BOX 49215 FOUR BENTALL CENTRE  
3454-1055 DUNSMUIR ST  
VANCOUVER BC V7X 1K8

Page #: 4 - C  
Total # of pages: 4 (A - C)  
Date: 10-Nov-2003  
Account: SPEGOL

Project: Galore Creek

## CERTIFICATE OF ANALYSIS VA03042107

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Cu-AA46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %
		0.01	10	10	1	10	2	1	0.01
101412		0.08	<10	10	135	<10	42		
101413		0.08	<10	<10	122	<10	46		
101414		0.09	<10	10	136	<10	42		
101415		<0.01	<10	10	2	<10	<2		
101416		0.11	<10	<10	130	<10	41		
101417		0.12	<10	10	135	<10	69		
101418		0.08	<10	10	61	<10	760		
101419		0.06	<10	20	64	<10	686		

Comments: Highly Mineralized Samples may bias results for some elements



**Fire Assay Procedure – Au-AA23 and Au-AA24**  
**Fire Assay Fusion, AAS Finish**

**Sample Decomposition:** Fire Assay Fusion

**Analytical Method:** Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 ml dilute nitric acid in the microwave oven, 0.5 ml concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 ml with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

ALS Chemex Method Code	Element	Symbol	Sample Weight	Lower Reporting Limit	Upper Reporting Limit	Units
Au-AA23	Gold	Au	30 g	0.005	10.0	ppm
Au-AA24	Gold	Au	50g	0.005	10.0	ppm





**Geochemical Procedure - ME-ICP41**  
**Trace Level Methods Using Conventional ICP-AES Analysis**

**Sample Decomposition:** Nitric Aqua Regia Digestion

**Analytical Method:** Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)

A prepared sample (0.50 grams) is digested with aqua regia for at least one hour in a graphite heating block. After cooling, the resulting solution is diluted to 12.5 ml with demineralized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. The analytical results are corrected for inter-element spectral interferences.

Element	Symbol	Detection Limit	Upper Limit	Units
Aluminum*	Al	0.01	15	%
Antimony	Sb	2	10,000	ppm
Arsenic	As	2	10,000	ppm
Barium*	Ba	10	10,000	ppm
Beryllium*	Be	0.5	100	ppm
Bismuth	Bi	2	10,000	ppm
Boron*	B	10	10,000 ppm	ppm
Cadmium	Cd	0.5	500	ppm
Calcium*	Ca	0.01	15	%
Chromium*	Cr	1	10,000	ppm
Cobalt	Co	1	10,000	ppm
Copper	Cu	1	10,000	ppm
Gallium*	Ga	10	10,000	ppm
Iron	Fe	0.01	15	%
Lanthanum*	La	10	10,000	ppm
Lead	Pb	2	10,000	ppm
Magnesium*	Mg	0.01	15	%
Manganese	Mn	5	10,000	ppm
Mercury	Hg	1	10,000	ppm
Molybdenum	Mo	1	10,000	ppm



**Geochemical Procedure - ME-ICP41**  
**Trace Level Methods Using Conventional ICP-AES Analysis (con't)**

Element	Symbol	Detection Limit	Upper Limit	Units
Nickel	Ni	1	10,000	ppm
Phosphorus	P	10	10,000	ppm
Potassium*	K	0.01	10	%
Scandium*	Sc	1	10,000	ppm
Silver	Ag	0.2	100	ppm
Sodium*	Na	0.01	10 %	%
Strontium*	Sr	1	10,000	ppm
Sulfur	S	0.01	10	%
Thallium*	Tl	10	10,000	ppm
Titanium*	Ti	0.01	10	%
Tungsten*	W	10	10,000	ppm
Uranium	U	10	10,000	ppm
Vanadium	V	1	10,000	ppm
Zinc	Zn	2	10,000	ppm

\*Elements for which the digestion is possibly incomplete.



**Assay Procedure – ME-AA46**  
**Evaluation of Ores and High Grade Materials by Aqua Regia  
 Digestion – AAS**

**Sample Decomposition:** Aqua Regia Digestion

**Analytical Method:** Atomic Absorption Spectroscopy (AAS)

A prepared sample (0.4 to 2.00 grams) is digested with concentrated nitric acid for one half hour. After cooling, hydrochloric acid is added to produce aqua regia and the mixture is then digested for an additional hour and a half. An ionization suppressant is added if molybdenum is to be measured. The resulting solution is diluted to volume (100 or 250 ml) with demineralized water, mixed and then analyzed by atomic absorption spectrometry against matrix-matched standards.

ALS Chemex Method Code	Element	Symbol	Detection Limit	Upper Limit	Units
As-AA46	Arsenic	As	0.01	30	%
Bi-AA46	Bismuth	Bi	0.001	30	%
Cd-AA46	Cadmium	Cd	0.001	10	%
Co-AA46	Cobalt	Co	0.01	50	%
Cu-AA46	Copper	Cu	0.01	50	%
Fe-AA46	Iron	Fe	0.01	30	%
Pb-AA46	Lead	Pb	0.01	30	%
Mo-AA46	Molybdenum	Mo	0.001	10	%
Mn-AA46	Manganese	Mn	0.01	50	%
Ni-AA46	Nickel	Ni	0.01	50	%
Ag-AA46	Silver	Ag	1	1500	ppm
Zn-AA46	Zinc	Zn	0.01	30	%