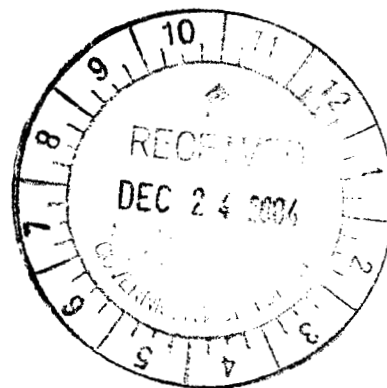


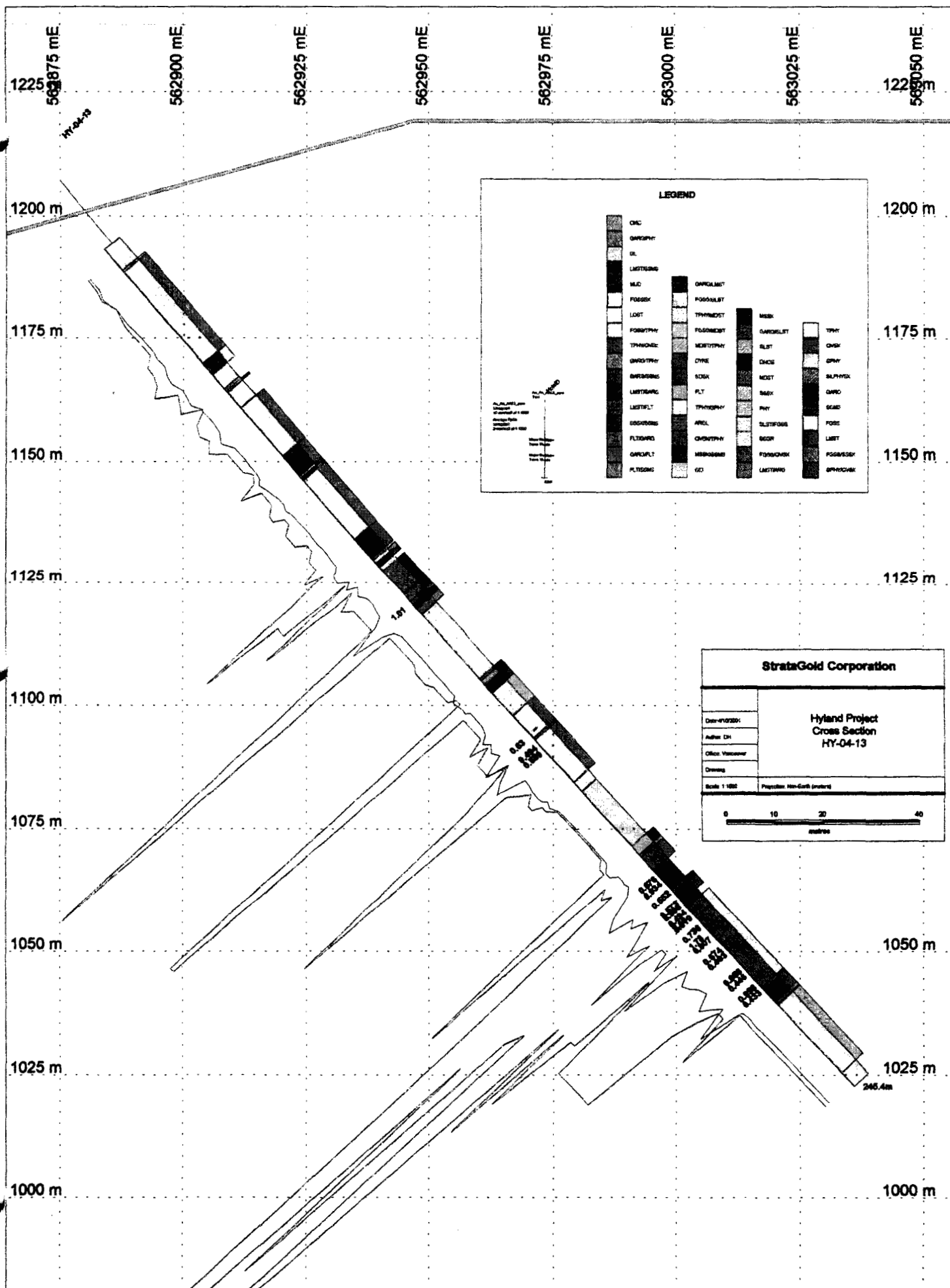
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APPENDIX D

Hyland Project Drill Logs

YUKON ENERGY, MINES
& RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6



From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	16.40	Unconsolidated; Overburden; Highly fractured; Difficult to drill				
16.40	22.06	FGSS Pale grey with 0.5-1.0mm grains; Well sorted and occasionally with a weakly calcareous matrix; typically silicified to varying degrees; typically <5% total sulphide including pyrite and arsenopyrite in orthogonal joint/veinlet sets; typically in HW to the main structure at the top of easterly directed drill holes within oxide cap; Oxidation consists of limonite pits and boxwork after sulphide Overall off white to pale yellow tint, bleached and sericitized, core is generally pebbles, poor drilling, trace very fine grained disseminated « py 0.20% » with potential very fine grained « aspy 0.10% »; commonly pitted with trace limonite also on fracture surfaces	16.40	22.06	M271251	5.66
22.06	22.52	TPHY Very fine grained with a well developed foliation fabric; Commonly has areas of concentrated foliaform 2mm contorted clear grey quartz veinlets with 1% 1mm to 2mm pyrite cubes typically with pressure shadows; Sericite altered; Commonly encountered in the HANGING WALL to QVSX. Tan Phyllite with thin grey quartz bands, no visible mineralization; commonly with a moderately developed crenulation cleavage; « @ 22.52 Bottom Contact 40.00° »	22.06	22.52	M271252	0.46
22.52	47.22	FGSS Quartzite, as above; generally grey to brown (oxidized intervals), variably silicified with local dark grey to black graphitic bands, fractures and quartz/quartz carbonate veinlets are locally vuggy with weathering of pyrite/siderite; « py tr-1.00% » Missing core = 25.91 - 28.96m « 22.52- 34.80 FGSS/TPHY: medium to dark grey with local pale to tan phyllite bands; « very fine grained disseminated py 0.01% »; silicified; commonly rubbly due to drilling; minor vuggy texture due to oxidation » « 34.80- 39.78 FGSS slightly more oxidized and altered than previous, increasing sericite alteration, overall light grey yellow with common oxidation along fracture surfaces, local GARG intervals; « @ 35.55 GARG Laminations 18.00° » « @ 36.06 GARG Laminations 10.00° » « @ 37.33 GARG Lamination 17.00° » « @ 39.34 GARG Laminations 30.00° » « 39.78- 41.3 FGSS with Phy to TPHY FGSS; relatively less	22.52	25.91	M271253	3.39
			25.91	28.96	N/S	3.05
			28.96	34.80	M271254	5.84
			34.80	35.55	M271255	0.75
			34.80	35.55	M271256	0.75
			35.55	38.13	M271257	2.58
			38.13	39.78	M271258	1.65
			39.78	41.30	M271259	1.52
			41.30	43.90	M271260	2.60
			43.90	45.11	M271261	1.21
			45.11	47.22	M271262	2.11

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		<p>oxidation/alteration than previous. less sericite alteration, medium to light grey overall with local mm-scale quartz veinlets @ 40.91 quartz 20.00°; « py 2.00-3.00%»; « aspy 0.10-1.00%»;</p> <p>« 39.78- 41.30 GARG lenses to bands 35.00°»</p> <p>« 41.30- 41.97 FGSS/TPHY with increased limonite alteration especially along fractures and local veinlets; brown to locally orange brown FGSS/TPHY @ 45.00°; p« py 0.10-1.00%»</p> <p>« 41.97- 46.58 FGSS dark grey with 5% limonite veinlets and 5% black GARG bands; minor quartz (white) veinlets and pyrite « py 2.00-4.00%» and « aspy 2.00-4.00%» veinlets; veinlets and fracture surfaces commonly vuggy with limonite and hematite; more siderite than previous; local pyrite veinlets plus mm-scale quartz/carbonate veinlets»</p> <p>« 46.58- 46.90 FGSS Shear Shear zone 33.00°» FGSS and garg fragments with quartz veins and hematite and limonitic fragments; very vuggy; increased pyrite at base of unit; pyrite</p> <p>@ 47.22 Bottom Contact 30.00° « py 3.00-4.00%»</p> <p>« 46.90- 47.22 FGSS: medium grey, moderately FGSS »</p> <p>@ 47.22 Bottom Contact 30.00° TCA; « locally py 2.00-6.00%»</p> <p>47.22 50.22 GARG</p> <p>Graphitic Argillite; Black, common (5-10%) hem/lim stringers, locally FGSS bands</p> <p>« 47.98- 48.21 FGSS »</p> <p>« 48.43- 48.70 FGSS »; common crenulation foliation; « py 0.10-3.00%»; mn cm-scale FGSS bands</p> <p>50.22 53.94 FGSS</p> <p>medium grey, variably silicified, locally bleached with vuggy orange hematite/limonite, generally <1-1mm scale quartz grains, fractured surfaces commonly limonitic, local grey quartz veins</p> <p>« 52.14- 52.16 Quartz vein quartz vein 30.00°»; common <1cm thick garg bands, disseminated pyrite to pyrite veinlets « py 0.50-3.00%»; minor quartz-carbonate veinlets @ 52.14 Lower Contact 80.00° »</p> <p>53.94 54.46 OXID</p> <p>Dark brown-orange, moderately vugged, no visible mineralization or discernable mineralogy, 90% hematite, altered mudstone? or a conduit?</p>				
			47.22	50.22	M271263	3.00
			50.22	53.94	M271264	3.72
			53.94	54.46	M271265	0.52

From	To	Rocktype & Description	S_from	S_to	Sample	Width
54.46	59.00	FGSS/GARG	54.46	54.96	M271266	0.50
		Alternating light to medium grey and black overall; FGSS with black GARG and black ARGL intervals, trace disseminated mineralization including « py 0.10%»	54.96	57.00	M271267	2.04
			57.00	59.00	M271268	2.00
		« 54.46- 54.96 gouge; no mineralization; GARG Fault 80.00%»				
		« 56.27- 56.43 Quartz Vein 58.00°»				
		« @ 56.60 foliation 55.00&30.00° »				
		trace gypsum blotches on fracture/slip surfaces				
		« @ 58.10 slip face with lineation 50.00/50.00° »				
		« @ 58.37 graphitic with gouge Fault 30.00° » « @ 59.00 Lower Contact 54.00° »				
59.00	71.77	FGSS	59.00	60.80	M271269	1.80
		Generally light to medium grey; local mm-scale GARG; generally well silicified; minor to no vugs or limonite/hematite alteration; « disseminated py 0.10-2.00%»; locally « py 2.00-4.00%» with « aspy 2.00-4.00%» associated with quartz veins;	60.80	62.95	M271270	2.15
			62.95	65.58	M271271	2.63
			65.58	68.50	M271272	2.92
			68.50	69.88	M271273	1.38
			69.88	71.77	M271274	1.89
		« 60.80- 62.95 FGSS slight increase in quartz, especially in grey quartz veins and silicified zones; increase in pyrite and arsenopyrite; appearance of very local 0.5% native copper; overall blotchy to quartz vein-related mineralization» « @ 61.50 0.5% Native Copper »				
		« 67.28- 67.35 Fault 30.00° » « @ 66.07 Argillite foliation 35.00° »				
		« 66.71- 66.80 Fining down sequence 60.00° »				
		« 66.88- 66.97 Fining down sequence 60.00° » « @ 67.77 Slip; graphitic 65.00 »				
		« 68.56- 68.57 Pyrite Quartz Vein 60.00° » « py 60.00% » « aspy 0.10% »				
		« 68.57- 69.88 FGSS/GARG increasingly deformed with a slight increase in garg zones; potential massive quartz vein (off white, though with no mineralization); moderately brecciated»				
		« 68.92- 68.95 Quartz Vein 40.00° » « @ 69.65 slip surface; graphitic 40.00° » « @ 69.88 slip surface; graphitic 45.00° » « @ 71.18 slip surface; graphitic 50.00° » « @ 71.34 slip surface 51.00° » weakly calcareous towards the base				
71.77	77.14	GARG/LMST	71.77	72.93	M271275	1.16
		Graphitic Argillite/Argillite Interbedded with Limestone; broken upper contact, moderately well foliated with common siderite alteration; commonly very silicic; overall black to medium to light grey; common fractured foliation, boudinaged quartz carbonate veinlets; minor vugs in quartz-carbonate vein <1cm thick; argillite appears fragmented « @ 75.04 slip; graphitic 15.00° » « @ 75.28 Quartz Vein 30.00° »	71.77	72.93	M271276	1.16
			72.93	73.58	M271277	0.65
			73.58	75.68	M271278	2.10
			75.68	77.14	M271279	1.46

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 75.49- 75.50 graphitic gouge Fault 60.00°»				
		locally weakly calcareous with locally off white to white calcite veinlets				
		77.14 94.21 FGSS	77.14	78.35	M271280	1.21
		Medium grey to dark grey; commonly interbedded with dark grey to black ARGL to	78.35	80.08	M271281	1.73
		garg; < @ 77.14 sharp upper contact 57.00° >	80.08	80.83	M271282	0.75
		FGSS zones generally thick with thinner mm to cm-scale intervals of ARGL;	80.83	82.30	M271283	1.47
		non-calcarous; well sorted; « disseminated with local veinlets py 0.10-1.00%»;	82.30	83.53	M271284	1.23
		minor hematite/limonite on fracture surfaces	83.53	85.03	M271285	1.50
		< @ 78.44 Foliation 50.00° > < @ 78.54 Slip surface 80.00° > < @ 79.90	85.03	86.38	M271286	1.35
		Pyrite Veinlets 45.00° > < @ 81.88 Foliation 55.00° > < @ 83.62 Foliation	86.38	87.79	M271287	1.41
		63.00° >	87.79	89.29	M271288	1.50
		« 83.53- 94.21 coarser grained sandstone; grains average 2-3mm + in	89.29	90.79	M271289	1.50
		diameter; overall grey in color with common clear grey quartz veinlets; texture	90.79	92.29	M271290	1.50
		structurally derived?» « py 1.00-2.00%» < @ 85.57 Quartz Veinlets 20.00° > < @	92.29	93.03	M271291	0.74
		85.69 pyrite veinlets 55.00° >	93.03	94.21	M271292	1.18
		« 90.40- 91.10 Fracture foliation 40.00°» < @ 92.20 Pyrite Vein 45.00°				
		> < @ 93.54 Pyrite Veinlets 45.00° > < @ 93.94 Pyrite Veinlets 40.00-45.00°				
		>				
		Overall well silicified				
		94.21 99.38 GARG	94.21	95.18	M271293	0.97
		To black ARGL; < @ 94.21 Sharp Upper Contact 80.00% > overall black with	95.18	96.50	M271294	1.32
		local				
		thin sandstone bands; « generally pyrite 1.00-3.00%» SSMS (15-20%) pyrite	96.50	97.18	M271295	0.68
		locally; local shear zones show weak to moderate TPHY; no visible aspy	96.50	97.18	M271296	0.68
		« 94.45- 94.60 FGSS 60.00°»	97.18	98.33	M271297	1.15
		« 94.70- 95.18 light grey FGSS Top @ 60.00 Bottom @ 25.00°»	98.33	99.38	M271298	1.05
		Moderately foliated with bands generally between 60-70 degrees; local isoclinal				
		fold				
		« 98.86- 98.88 SHR/FLT breccia Fault 85.00°»				
		99.38 99.85 FLT/GARG	99.38	99.85	M271299	0.47
		Moderate to intensely sheared and locally faulted; minor gouge; dominantly				
		brecciated; @ 50-70 degrees; « py 5.00-30.00°»; very graphitic				
		99.85 100.70 TPHY	99.85	100.70	M271300	0.85
		Light brown phyllite; « py 0.10-2.00%» « 50.00-70.00°»; increase in silica from				
		previous				
		100.70 101.74 GARG	100.70	101.74	M271301	1.04
		Similar to previous Graphitic Argillite zone; black argillite; dominantly				
		graphitic with « py 20.00-40.00%»; no visible arsenopyrite; « to core axis				
		60.00-70.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 101.62- 101.74 Quartz Vein 60.00»				
		101.74 102.78 TPHY	101.74	102.78	M271302	1.04
		Tan phyllite (@ 101.74 Top contact 70.00°); fractured towards the base with common hematite/siderite alteration on fracture surfaces; thin « veinlets py 1.00-3.00%»				
		102.78 111.48 ARGL	102.78	104.49	M271303	1.71
		(+ GARG); Black to dark grey with dark to medium grey quartzite interbands, commonly pyritic up to 5% and locally, moderately siliceous; multiple shear/fault zones:	104.49	105.99	M271304	1.50
		« 104.30- 104.40 Fault Zone (Gouge and Shear) 40.00°»	105.99	107.49	M271305	1.50
		« 104.49- 104.58 Fault Zone (Shear) 40.00 »	107.49	108.99	M271306	1.50
		« 104.77- 104.88 Fault Zone (Shear) 40.00°»	108.99	110.25	M271307	1.26
		« 103.73- 103.75 Pyrite Vein 60.00 »	110.25	111.48	M271308	1.23
		« 107.50- 107.51 Shear/Fault Zone 80.00°»				
		« 109.24- 109.25 Shear/Fault Zone 70.00°»				
		« 109.47- 109.70 Shear/Fault Zone 40.00°»				
		« 110.20- 110.21 Shear/Fault Zone 40.00°»				
		« 108.99- 111.12 Moderately Deformed »				
		(@ 105.49 Foliation 46.00° » @ 107.49 Foliation 40.00° » @ 108.99 Foliation 50.00° » @ 109.35 Foliation 90.00° » @ 109.90 Foliation 80.00° » @ 110.25 Foliation 60.00° » @ 110.90 Foliation 70.00° » @ 111.48 Foliation 67.00° » @ 102.78 Upper Contact broken, presumed at 70.00° »				
		111.48 112.35 SSMS	111.48	112.84	M271309	0.00
		Black with pyrite at 20-30 degrees.				
		Minor with gypsum; massive, no distinct structure.				
		« 112.11- 112.12 Fault Gouge 80.00°»				
		(@ 111.48 Gradational Contact 72.00° »				
		112.35 113.48 MSSX	112.84	113.48	M271310	0.64
		« Very fine grained with black graphitic argl py 40.00-60.00%»				
		(@ 113.05 Moderate foliation 68.00° »				
		(@ 112.35 Gradational upper contact 80.00° »				
		113.48 115.03 ARGL	113.48	114.98	M271311	1.50
		Argillite to Graphitic Argillite. Dark grey to black, weakly graphite locally.	114.98	116.46	M271312	0.00
		(@ 114.20 Thin carbonate and sphalerite veinlet 15.00° »				
		Similar veinlets down section at 80 to 70 degrees.				
		(@ 115.03 Fault Gouge at lower contact (v. f. g.) py 1.00-3.00% »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
115.03	132.65	TPHY	116.46	117.96	M271313	1.50
Tan Phyllite, light brown to yellow. Very fine grained with a well developed foliation fabric; Commonly has areas of concentrated foliaform 2mm contorted clear grey quartz veinlets with 1% 1mm to 2mm pyrite cubes typically with pressure shadows; Sericite altered; Commonly encountered in the HANGING WALL to QVSX.			117.96	119.46	M271314	1.50
			119.46	120.96	M271315	1.50
			120.96	122.46	M271316	1.50
			122.46	123.95	M271317	1.49
			123.95	125.45	M271318	1.50
« @ 115.03 Fault 70.00° » Generally massive altered and blaited mudstone/argillite « Very fine grained py 0.01-1.00% » no signifigant mineralization			125.45	126.90	M271319	1.45
			126.90	128.40	M271320	1.50
			126.90	128.40	M271321	1.50
			128.40	129.90	M271322	1.50
			129.90	131.40	M271323	1.50
« 114.96- 115.03 Fault Gouge (minor GARG) 60.00-70.00° » « 119.10- 110.12 Shear Zone and Fault Gouge 80.00° » Highly folded commonly silty, locally grading to sandy, potentially folding @ 121.50 Foliation 80.00° x @ 121.60 Foliation 45.00° x @ 121.65 Foliation 0° x @ 121.70 Foliation 100.00° x @ 121.80 Foliation 80.00° » « 122.15- 122.16 Quartz Veins 85.00° » « @ 122.52 Quartz and Carbonate Veinlet 30.00° x @ 123.80 Foliation 80.00° » « @ 123.90 Folding 30.00-135.00° » -returns to 80 near end of unit « @ 126.65 Folding 63.00° » « 126.90- 127.18 Shear Zone 30.00° » « 128.12- 128.13 Quartz Vein 50.00° » « @ 129.33 Foliation 57.00° x @ 130.54 Foliation 75.00° x @ 131.60 Foliation 76.00° » « 131.60- 131.90 Black Argillite with disseminated pyrite 1.00-2.00% »			131.40	132.65	M271324	1.25
132.65	134.66	ARGL	132.65	133.22	M271325	0.57
Argillite with local graphitic argillite. Generally dark grey to black and graphitic argillite; locally altered to Tan Phyllites.			133.22	134.66	M271326	1.44
« 133.22- 134.30 Fault in graphitic argillite 80.00° » « 133.02- 133.11 Black Argillite with py 10.00-15.00% » « 134.48- 134.54 Black Argillite with py 10.00-15.00% »						

Hole Number: HY-04-13

04/10/2004

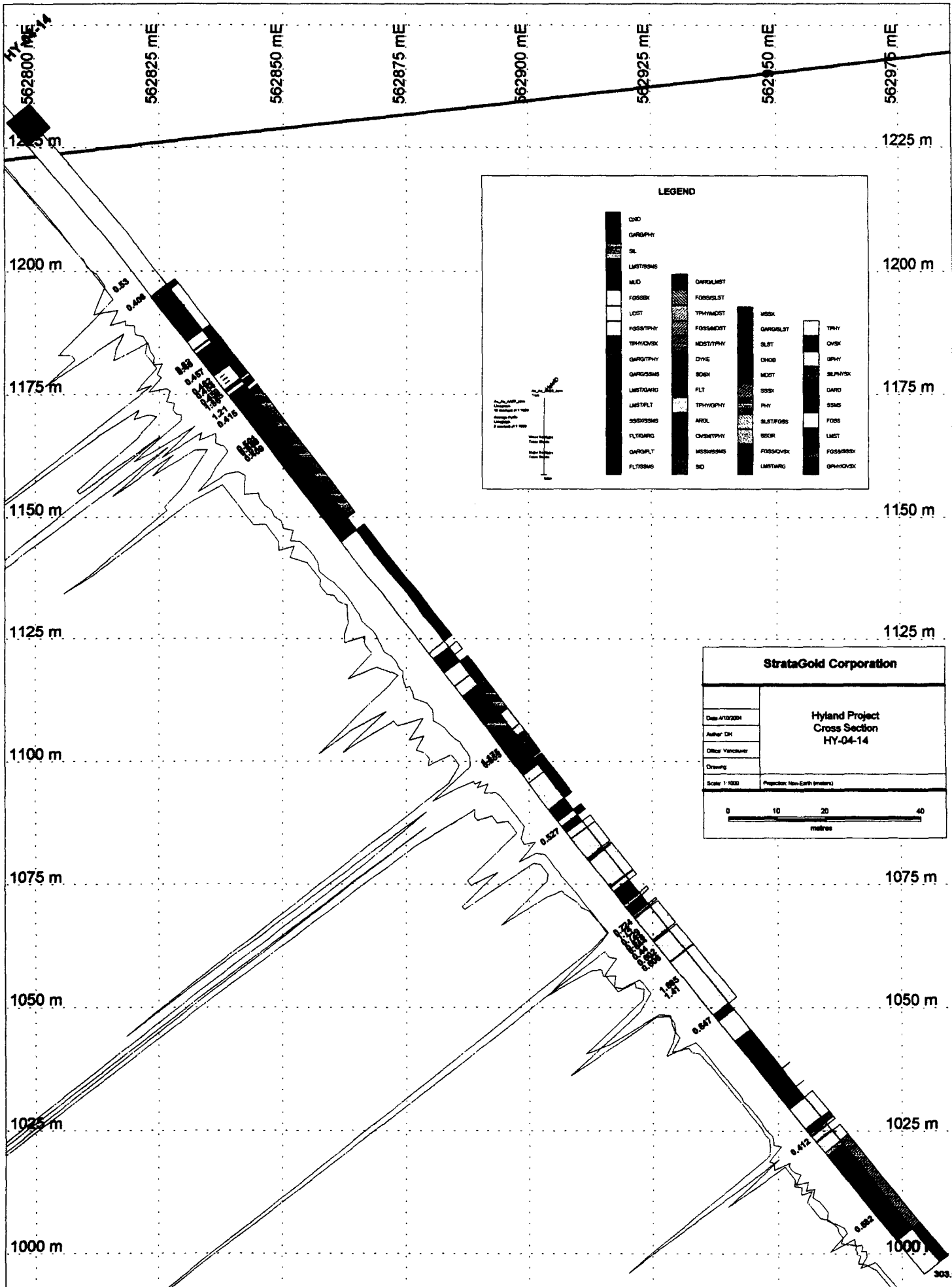
From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Phyllite 0°»				
			160.94	162.44	M271348	0.00
161.02	178.64	GPHY	162.44	163.94	M271349	1.50
		Green Phyllite/Mudstone, green to tan coloured, fine grained phyllite/mudstone.	163.94	165.44	M271350	1.50
		Average foliation @ 65-75 degrees to CA. Minor sulfides along foliation	165.44	166.94	M271351	1.50
		however very minor, minor veinlets cross cutting foliation with minor sulfide	166.94	168.44	M271352	1.50
		disseminations.	168.44	169.94	M271353	1.50
		Colours of phyllite/mudstone fluctuate from green to light green to almost tan,	169.94	171.17	M271354	1.23
		however predominance is green.	171.17	172.67	M271355	1.50
		« 169.40- 171.17 Alteration is greater than usually core is not very	172.67	174.17	M271356	1.50
		coherent, highly sericitized/bleached »	174.17	175.67	M271357	1.50
		« 171.17- 177.06 GPHY 60.00-65.00°»	175.67	177.17	M271358	1.50
		« 177.10- 178.64 Foliation 45.00-80.00°»	177.17	178.31	M271359	1.14
		@177.10-178.64m Green phyllite contains abundant quartz veining (cm-cm's				
		thickness) veins are boudinaged and brecciated. Sericite is present on				
		foliation/within quartz veins and crosscutting foliation/quartz veins.				
		« 178.00- 178.64 Blebs and disseminations of py »				
			178.31	179.81	M271360	0.00
			178.31	179.81	M271361	0.00
			179.81	180.90	M271362	1.09
178.64	180.93	GARG				
		Siderite/Graphitic argillite, dark grey/black matrix of graphitic argillite				
		containing 40% siderite of subhedral crystal nature. Grain size of graphitic				
		argillite is small, siderite is large-medium, predominately large disseminations				
		of pyrite (3-4%), siderite crystals are cream in colour and react slightly with				
		HCl when scratched. Appears to have the siderite as secondary, crystals are				
		medium sorted.				
		« 180.46- 180.93 Disseminated, increases to semi-massive py				
		30.00-50.00%»				
180.93	181.59	FGSS				
		Calcareous replaced fine grained sandstone, dark foliated thin layers at 65% to				
		70%. Quartz stringer hydro-fracturing along foliation and cross cutting minor				
		pyrite along foliation (< 1%) and at contact margin of vein to calcareous				
		sandstone.				
181.59	186.00	GARG	180.90	182.07	M271363	0.00
		Same as above, siderite/graphitic argillite				
			182.07	183.06	M271364	0.99
			183.06	183.98	M271365	0.92
			183.98	184.96	M271366	0.98
		« 183.06- 183.98 Foliation with occasional fine grained py 1.00-2.00%» «				
		Interbedded sequence of green argillite within foliation at 75.00-80.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 185.39- 186.00 Pyrite with minor chalcopyrite SSMS 30.00%»				
			184.96	186.46	M271367	0.00
		186.00 189.79 MSSX	186.46	187.96	M271368	1.50
		Massive sulphide replacement. « py 90.00%» « cpy 1.00-2.00%»« Milky Feldspar	187.96	189.46	M271369	1.50
		8.00-9.00%»				
		Fine to medium grained, medium prevalent, subhedral to anhedral.				
		189.79 190.65 GARG				
		Graphitic Argillite. Foliation at 70-75 degrees, fined grained pyrite on foliation.				
		190.65 191.68 SSMS to MSSX				
			189.46	190.50	M271370	0.00
			190.50	191.68	M271371	0.00
		Semi-massive to massive sulphide replacement. Predominantly pyrite (85-95%), large feldspar crystals present (< 1%), minor feldspar veining (milky white/creamy). Sulphides are fine grained with some visible foliation. « Foliation 80.00-85.00%»				
		191.68 193.98 GARG	191.68	193.18	M271372	1.50
		Graphitic argillite. « Foliation 50.00-65.00°»« Fine grained, on foliation py 2.00-40.00%»				
		193.98 195.55 MSSX				
			193.18	194.00	M271373	0.00
			194.00	195.60	M271374	0.00
		Massive Sulfide Replacement, broken core, black weathered sulphides. « Foliation 75.00-80.00°»				
		195.55 217.76 SSSX	195.60	196.76	M271375	1.16
		Sulphidized Sandstone (Quartzite), quartzite is dirty quartz coloured, very fractured, milky white, vugs present, fractures and veining consistant at 20-10 degrees. Minor intervals of phyllitic texture, foliations grey to tan @ 65-75 degrees. Minor crenulations visible, sulphides abundant (~10-30 %).	196.76	197.28	M271376	0.52
		Predominantly pyrite (10-30%), small euhedral to subhedral to anhedral crystals disseminated/veinlets/veined, minor chalcopyrite (<1%), sericite, disseminated and on foliation minor calcite veining. Cross cutting and on fractures).	197.28	198.06	M271377	0.78
		« 196.72- 197.22 Graphitic argillite with foliations and py »	198.06	198.85	M271378	0.79
		-coherent core, crumbly altered rock.	198.85	199.82	M271379	0.97
		« 198.70- 199.14 Quartzite breccia, sulphides including py 5.00-10.00%» « cpy 1.00%»	199.82	201.07	M271380	1.25
		@ 205.79 Cross-cutting vein py 10.00-20.00° »	199.82	201.07	M271381	1.25
		cross-cutting a calcite veining.	201.07	201.71	M271382	0.64
			201.71	202.92	M271383	1.21
			202.92	204.42	M271384	1.50
			204.42	205.92	M271385	1.50
			205.92	207.42	M271386	1.50
			207.42	208.79	M271387	1.37
			208.79	210.29	M271388	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Phyllitic Argillite interbands and 20% white to off white quartz patches with generally 3-6 and locally up to 10% sulphides. Locally 3-10% Pyrite.	210.29	211.84	M271389	1.55
		« 213.45- 213.70 Carbonate Veinlets 40.00° » « @ 214.35 Hydrofractures 40.00° » « @ 214.70 Argillite foliation/bedding quartz veinlets 70.00° »	211.84	213.38	M271390	1.54
		« 214.98- 215.00 Quartz Vein 80.00° »	213.38	214.88	M271391	1.50
		« 212.20- 212.22 Hydro Fracture infilled with Quartz-Carbonate »	214.88	216.26	M271392	1.38
		217.76 218.22 Fault	216.26	217.76	M271393	1.50
		Fault/Shear Zone from pyritic gouge to siderite/carbonate replaced zone to cemented breccia (massive pyrite with carbonate fragments) to brecciated mudstone (graphitic). « Fault 70.00° » « Local Shear 25.00° » « @ 217.76 Top Contact 70.00° » « @ 218.22 Bottom Contact 70.00° »	217.76	218.22	M271394	0.46
		« Large Fragments py 2.00-15.00% » « Fragments of aspy 0.01-1.00% »				
		Commonly graphitic				
		218.22 221.63 GARG/MDST	218.22	219.47	M271395	1.25
		Graphitic Argillite and mudstone with graphitic argillite/phyllite.	219.47	220.98	M271396	1.51
		Black to dark grey, weakly foliated argillite/mudstone with local interbanding of very fine grained sandstone to siltstone (up to 30%); not very siliceous, easily scratchable; minimal mineralization. Common black to dark to medium grey interbanding with slight increases in grain size. Slightly more phyllitic with depth to Graphitic argillite.	220.98	221.63	M271397	0.65
		« 219.18- 219.28 Quartz Vein Brecciation 60.00-80.00° »				
		-with brecciated mudstone fragments				
		221.63 223.65 MDST	221.63	222.55	M271398	0.92
		Mudstone with siltstone interbands. Mudstone commonly argillic and locally graphitic, partially in Fault zone. Interbanding of dark grey to black mudstone with light to medium grey siltstone (commonly grading too). Way up appears to be down hole, indicating overturned bedding here. Minimal mineralization, « Fine grained, disseminated py 0.01-1.00% » pyrite also in rare bands parallel to fabric. Occasional quartz, carbonate and pyrite veinlets.	222.55	224.03	M271399	0.00
		« @ 221.93 Foliation 75.00° » « @ 222.18 Foliation 62.00° »				
		« 222.38- 222.55 Fault gouge, graphitic with brecciation Fault Zone 60.00° » « @ 222.88 Carbonate Veinlet 20.00° » « @ 223.30 Quartz and Carbonate Veinlet 20.00° » « @ 223.76 Quartz, Carbonate, Pyrite Veinlet 25.00° » « @ 224.42 Quartz, Carbonate, Pyrite veinlet set 34.00° »				
		« 225.18- 225.28 Scattered over and slightly sheared Hydro Fracture sets 58.00° » « @ 225.38 Foliation 64.00° » « @ 226.21 Foliation with quartz, carbonate and pyrite veinlet 70.00-144.00° » « @ 227.10 Foliation 75.00° » « @ 227.40 Quartz, Carbonate and Pyrite veinlet set 70.00° »				

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	4.57	Casing				
		Casing. No core recovery (DHCS).				
4.57	10.97	LMST	4.57	6.07	M271416	1.50
		Dark/Black limestone partially silicified, fine grained, phyllitic texture.	6.07	7.57	M271417	1.50
		« @ 4.57 Foliation 50.00-60.00° »	7.57	10.97	M271418	3.40
		Quartz veining abundant (average thickness stringer mm's to 1 cm), both on foliation and cross cutting. Rocks broken, crenulations demonstrate high straining, brecciated area with stringers of quartz off set due to foliations sliding. Reacts vigorously to HCl.				
		« @ 8.92 Cross cutting quartz vein 120.00° » « @ 8.92 Foliation 55.00° »				
		@ 9.92 Quartz vein, with or on foliation 0° 1.00cm »				
10.97	50.30	FGSS	10.97	14.02	M271419	3.05
		Pale grey with 0.5-1.0mm gs; Well sorted and rarely to locally weakly calcareous; typically silicified to varying degrees; typically <5% total sulphide including py and aspy in orthogonal joint/veinlet sets; typically in HW to the main struct at the top of easterly directed drill holes within oxide cap; Oxidation consists of limonite pits and boxwork after sulphide.	14.02	15.55	M271420	1.53
		Quartzite (sandstone), fine grained, grey coloured, heavily broken with abundant limonite staining, vugs present. Core is bleached in sections, non-coherent to gravel-like.	14.02	15.55	M271421	1.53
		« @ 16.02 Extremely bleached/vugged rock, intense alteration, fault zone, heavy limonite 30.00cm » « @ 16.02 some visible foliation 60.00° » « @ 16.20 rock is severly broken/clay like gouge »	15.55	17.07	M271422	1.52
			17.07	18.59	M271423	1.52
			18.59	20.12	M271424	1.53
			20.12	26.21	N/S	6.09
			26.21	29.26	M271425	3.05
			29.26	32.31	M271426	3.05
			32.31	33.81	M271427	1.50
			33.81	35.36	M271428	1.55
			35.36	36.88	M271429	1.52
			36.88	38.40	M271430	1.52
		« 20.12- 26.21 No core recovery »	38.40	41.45	N/S	3.05
		-however, inferred to be quartzite gravels	41.45	44.50	M271431	3.05
			44.50	47.55	M271432	3.05
		« 26.21- 33.00 Minor vug pattern/veinlets 40.00-50.00° »	47.55	49.07	M271433	1.52
		-quartz gravels, some pieces inclusive are limestone as above unit? gravels are limonite coated, vugged, minor structure				
		« @ 32.60 Minor quartz stringers »				
		-small section of coherent core, quartzite is very broken, vugged, sericite on fracture, no visible sulphides				
		« @ 35.25 Fractures and Veinlets 40.00-65.00° »				
		-possible fault zone due to fairly broken core and gouge like material				
		« 35.36- 35.55 Rock becomes ARGL »				
		-shiny faces of phyllitic rock « Zone of faulting, gouge present » « Foliation 0.00° »				
		-grey coloured rock				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		<p>◁ @ 35.55 Quartzite regains coherentness ▷ @ 35.55 Fractures at 5.00-40.00° ▷</p> <p>-fractures are limonite coated, vugs present, no sulphides visible, minor quartz stringers, quartzite appears grainy</p> <p>◁ @ 44.50 Quartzite become less grainy ▷</p> <p>-fracture abundance increases with sulphides disseminated and fracture filling/some veining (pyrite 5-8%) minor arsenopyrite possible.</p> <p>◁ 47.55- 48.60 Broken gravelly core sulphides present »</p> <p>◁ 48.60- 48.89 Alteration Zone, some structure at 50.00-65.00° »</p> <p>-bleaching ensued, heavily sericitized, some visible quartz eyes within sericite/claylike matrix. Disseminated pyrite (5-8%).</p> <p>◁ @ 49.11 Vein? 75.00° 1.50cm ▷</p>				
50.30	51.41	Gr.PHY	49.07	50.60	M271434	0.00
		Dark grey to light grey phyllite/mudstone, fine grained, broken core on foliation, minor quartz stringer and veining, appears moderately bleached, sulphides present ◁ on foliation py 1.00-2.00% » ◁ Foliation 55.00-60.00° »	50.60	51.41	M271435	0.81
51.41	51.89	SSSX	51.41	52.08	M271436	0.00
		Quartzite with heavy sulphides, zone is hydrothermally altered, quartz eyes, vugging, brecciated core, sericite abundant				
51.89	62.05	FGSS	52.08	53.64	M271437	1.56
		Quartzite: offwhite to brown (tan) with 5-10% slightly tan altered sericite/argillite. Moderate to well silicified with	53.64	55.14	M271438	1.50
		◁ py 10.00-15.00% »	55.14	56.69	M271439	1.55
		◁ aspy 0.01-2.00% »	56.69	58.19	M271440	1.50
		moderately to poorly deformed foliation of micas, appears to be roughly perpendicular to C.A.. Mineralization disseminated to vein. very fine grained to medium grained. Common fracture filling coarse grained pyrite.	56.69	58.19	M271441	1.50
		◁ @ 61.46 py veinlets 33.00° ▷	58.19	59.74	M271442	1.55
		◁ @ 62.05 sharp to increased mdst/argillite content at lower contact ▷	59.74	61.26	M271443	1.52
			61.26	62.05	M271444	0.79
62.05	65.25	FGSS				
		(? dominantly quartzite with high percent of mudstone to siltstone mm cm scale interbeds)	62.05	63.17	M271445	1.12
		62.05 - 65.25m: greenish grey to grey interbedded quartzite to mudstone.	63.17	64.30	M271446	1.13
		◁ 62.05- 63.17 py, aspy; weakly - moderately silicified 0.01-2.00% »	64.30	65.25	M271447	0.95
		◁ interbedding and common grading 69.00-72.00° »				
		63.17 - 64.30m: Medium grained quartzite with increasing mineralization				
		◁ 63.17- 64.30 with v.f.gr. disseminations in py vn »				
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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Common <1mm scale mudstone laminae.				
		locally up to 30% py w/ aspy tr-2% 3.00-5.00%»				
		Weakly to moderately silicified.				
		« 63.14- 63.25 off white qzvn with py vnltls and minor sid/ cb vnltls				
		4.00%»				
		Lower contact lost.				
		« 64.30- 64.44 cemented flt bx: gy brown-off white-black FLT/SHR FGSS				
		Bx w/ 2-5%dss m.g.py 3.00-40.00°»				
		« 64.44- 65.25 med-dk gry w/ brown f.g. py in thin vnltls 40 deg to C.A.				
		5.00-15.00%»				
		« Wavy upper and lost lower contact Mudstone »				
		« 64.80- 64.98 gry w/ dk gry-blk Arg inter laminae FGSS »				
		« 64.98- 65.03 mod shr FGSS 60.00°»« interbanded w/ arg aa. minor py				
		4.00% FGSS »				
		65.25 68.53 MDST/SLST	65.25	65.84	M271448	0.59
		Dark grey Mudstone locally Interbanded with or grading to Siltstone, blocky	65.84	66.83	M271449	0.99
		with common open fractures/(hydrofractures?); biotite? fine grained and there	66.83	67.49	M271450	0.66
		for potassic-alteration?	67.49	68.53	M271451	1.04
		High sulphide content, overally ranging from near SSMS (40%) to closer to 5%+				
		of Pyrite and Arsenopyrite; very fined grained disseminated mineralization to				
		micro veinlets; occasionally medium to coarse grained blebs				
		Well silicified; a reduction of mineralization and silicification occurs at				
		66.83m				
		« @ 65.85 Slickenslide 23.00° »				
		« 66.70- 66.83 Shear with small fault with moderate gouge material				
		followed by crenulated and folded argillite and quartzite bands; Shear zone				
		56.00°»				
		« 67.02- 67.03 Fault gouge Fault 58.00°»« @ 67.59 Contact btw mdst				
		and qtzt bands Contact 64.00° »				
		Local high pyrite (very fine grained) zones between:				
		« 67.69- 67.76 Pyrite Pyrite 30.00%»				
		« 67.82- 67.86 Pyrite Pyrite 30.00%»				
		The rest of the zone averages between 5 and 8% pyrite, no visible arsenopyrite				
		« @ 67.74 Foliation/Bedding Foliation Orientation 80.00° »				
		68.53 70.95 MDST	68.53	69.96	M271452	1.43
		Mudstone with minor Siltstone to Fine Grained Sandstone component; Dark	69.96	70.95	M271453	0.99

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		brown to grey, massive and blocky where fractured, silicified; difficult to interpret, possibly QVXS related; common <<1mm pyrite veinlets, locally with common orientations (5%); common <1mm quartz-carbonate veinlets; common pyrite on fracture surfaces; 10-30% SLST to FGSS bands; Potential Potassic (K) Alteration				
		< @ 68.53 Irregular Upper Contact 30.00° »< @ 68.80 Quartz Veinlets Quartz Veinlets/Fracutre Filling 57.00° »< @ 68.90 Quartz Carbonate Veinlets Veinlet orientation foliation 56.00 and 135.00° ›				
		< @ 69.30 Crenulated Pyrite Foliation Veinlet fabric 22.00° »< @ 69.40 Quartz Veinlets Veinlet fabric 15.00° ›				
		« 70.15- 70.19 Moderate SHR and Fracturing Shear zone 40.00°» « 70.80- 70.95 Broken Core »				
		70.95 74.58 FGSS	70.95	72.03	M271454	1.08
		Fine Grained Sandstone interbedded with black Argillite (disseminated biotite? = potential Potassic Alteration?); moderately silicified	72.03	72.85	M271455	0.82
		Interbanded/laminated fine grained sandstone and black argillite on a cm to dm-scale; moderately well foliated	72.85	73.62	M271456	0.77
		Pyrite mineralization is similar to above with very fine grained disseminations, most common in the sandstone bands here; generally 4%, locally up to 20% Py, no visible arsenopyrite; trace boudinaged with sandstone	73.62	74.58	M271457	0.96
		« 70.95- 71.63 Broken Core »< @ 71.93 Foliation 70.00° »< @ 72.05 Graphitic Slickenslide 60.00° »< @ 72.20 Foliation 120.00° ›				
		« 72.32- 72.66 Moderate folding 45.00-110.00°»< @ 72.32 foliation 45.00° »< @ 72.60 Foliation 45.00° »< @ 72.96 Foliation 70.00° »< @ 73.36 Slickenslide 56.00° »< @ 73.46 Foliation 45.00° »< @ 73.71 Foliation 70.00° ,				
		« 70.95- 74.58 py 4.00-20.00%»				
		74.58 75.14 FLT	74.58	75.14	M271458	0.56
		Fault with SSMS Dark grey and pyritic; mm-size fragments and breccia of Quartzite in pyrite + silica matrix No fabric, massive, cemented fault zone? or conduit? very fine grained « py 35.00%» < @ 74.90 .1mm quartz veinlet Quartz Vein 20.00% › minor open fractures, fairly fragmented interval overall < @ 74.58 Upper contact Contact 58.00° »< @ 75.14 Lower Contact Contact				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		70.00° ,				
		75.14 76.04 FGSS	75.14	76.04	M271459	0.90
		<i>Fine Grained Sandstone with SSMS; Dark grey; massive and irregular (slightly jigsawed) quartzite; moderately silicified (+- possible potassic alteration) with common <<1mm quartz +/- carbonate veinlets and SSMS up to 35-40% in thin</i>				
		<i>fine grained veinlets to locally medium grained py</i>				
		<i>Native « Cu 0.10-0.50% » on localy fractures and slickensurface</i>				
		<i>« @ 75.60 Native Copper here Slickenslide 5.00% » @ 75.88 Native copper Copper 0.50% » @ 76.04 Irreg Frac Surface wi polished py & Cu Slickenslide</i>				
		<i>Semi massive pyrite mineralization moderately crenulated in thin (<<1mm) bands in between moderately boudinaged quartz at 55 degrees</i>				
		<i>« @ 76.04 Bottom Contact Contact 22.00° »</i>				
		76.04 110.43 FGSS	76.04	77.45	M271460	1.41
		<i>Quartzite with locally 2-15% black argyllite/phyllite bands. Light to med grained overall. Lower contact at 22 deg to C.A.. Weakly to moderately</i>	76.04	77.45	M271461	1.41
		<i>reciated and cemented to 76.09m, slightly gougy in part, bottom foliation at 30 deg. Mineralization consisting of fine grained to medium grained veinlets</i>	77.45	78.03	M271462	0.58
		<i>and minor veins, generally sub mm and parallel to fabric 3-15% locally.</i>	78.03	79.34	M271463	1.31
		<i>Graphitic on some fractured/slick surfaces. Relatively unaltered, moderatly silicified locally.</i>	79.34	79.80	M271464	0.46
		<i>« @ 76.50 foliation 20.00-30.00° »</i>	79.80	81.30	M271465	1.50
		<i>« 76.66- 77.45 FLT/SHR zone with mod gouge and slicks broken core 30.00° »</i>	81.30	82.80	M271466	1.50
		<i>« 77.56- 77.58 qvzvn with 10% py at 40 deg to C.A. »</i>	82.80	84.12	M271467	1.32
		<i>« 77.56- 78.90 increased qzvn'ing m.g. py 10-15%, no visible aspy (tr)</i>	84.12	85.64	M271468	1.52
		<i>»</i>	85.64	86.45	M271469	0.81
		<i>« 77.78- 77.79 2 qzvn 40.00°, 0 deg »</i>	86.45	87.28	M271470	0.83
		<i>« @ 77.81 foliation 60.00° »</i>	87.28	88.17	M271471	0.89
		<i>« 77.81- 78.52 arg bands fol'd and microfaulted w/ increas ed qz vnlts. irregular »</i>	88.17	88.68	M271472	0.51
		<i>« @ 78.52 slickenlines/graphitic 30.00° »</i>	88.68	90.22	M271473	1.54
		<i>« @ 78.96 slickenline 60.00° »</i>	90.22	91.66	M271474	1.44
		<i>« @ 79.30 contact/foliation 70.00° »</i>	91.66	93.07	M271475	1.41
		<i>« @ 79.97 contact/foliation 65.00° »</i>	93.07	94.57	M271476	1.50
		<i>« @ 81.00 slickenlines/foliation 45.00° »</i>	94.57	96.10	M271477	1.53
		<i>« @ 81.60 foliation/fracture 47.00° »</i>	96.10	97.57	M271478	1.47
			97.57	98.88	M271479	1.31
			98.88	100.38	M271480	1.50
			98.88	100.38	M271481	1.50
			100.38	101.84	M271482	1.46
			101.84	103.34	M271483	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		◁ @ 81.66 foliation/fracture 65.00° ▷	103.34	104.84	M271484	1.50
		◁ 81.70- 81.71 qzvn set 155.00° ▷	104.84	106.34	M271485	1.50
		◁ @ 82.26 foliation/fracture 67.00° ▷	106.34	107.67	M271486	1.33
		◁ @ 83.30 fracture/foliation 20.00° ▷	107.67	108.75	M271487	1.08
		◁ @ 83.75 pyrite veinlets 30.00° ▷	108.75	110.22	M271488	1.47
		◁ @ 84.12 Argyllite foliation 65.00° ▷				
		◁ 84.52- 84.53 qz veinlet 20.00° ▷				
		◁ @ 85.60 argyllite foliation 60.00° ▷				
		◁ 86.12- 86.13 fine grained pyrite band (80% w/ silica) 50.00° ▷				
		◁ @ 86.20 pyrite veinlets 40.00° 1.00-3.00mm ▷				
		◁ @ 86.50 pyrite veinlet 40.00° 1.00mm ▷				
		◁ @ 87.28 irregular ctc between mineralized zones going from 5 to 8% to >20% pyrite 7.00-20.00% ▷				
		◁ 88.38- 88.89 blk/gry f.g. arg w/ x-cutting qzvn + sx diss on fol (py 3-5%) 50.00-60.00° ▷				
		◁ 89.06- 89.18 same as above (2-3% py) with foliation 50.00° ▷				
		◁ @ 89.36 slickensides on fracture 15.00° ▷ ◁ @ 91.67 fracture with slickensides 15.00° ▷ ◁ @ 92.30 fracture with slickensides 20.00° ▷ ◁ @ 93.59 foliation 30.00° ▷ ◁ @ 93.97 foliation 55.00° ▷ ◁ @ 94.12 fol				
		◁ @ 94.43 foliation 45.00° ▷ ◁ 94.50- 95.10 foliation 40.00° ▷				
		◁ 95.65- 96.32 foliation 55.00-65.00° ▷				
		◁ @ 96.49 sulfides on fracture 15.00° ▷				
		◁ @ 96.94 sx vning 30.00° ▷ ◁ @ 96.94 foliation 50.00° ▷				
		◁ @ 97.92 dolomite conjugate shearing. thin dol vns 140.00°-1.00mm ▷ ◁ @ 97.92 foliation 50.00-60.00° ▷				
		◁ @ 98.59 foliation 60.00° ▷				
		◁ @ 100.00 foliation 60.00° ▷				
		◁ @ 101.64 dolomite/quartz vein 60.00° 0.50cm ▷				
		◁ @ 102.25 dolomite veinlets 40.00° ▷				
		◁ 102.41- 102.82 FLT zone? core is pitted/bleached/broken-f. g. appears hydroth altered has fol + qtz eyes 60.00° ▷				
		◁ 102.97- 103.41 Quartz Vein, extremely frac/bx sx on fractures ▷				
		◁ 103.27- 103.34 same as above Quartz Vein ▷				
		◁ 103.49- 103.58 Fltd altn zn; graph/dol/qtz, hydro altd Altered Zone 60.00° ▷ ◁ @ 103.93 Quartz boudins on foliation Foliation 60.00° ▷ ◁ @ 104.11 Foliation 55.00° ▷				
		◁ 106.46- 106.48 no sulphides Quartz Vein 60.00° ▷				
		◁ 106.82- 106.88 Quartz Vein 60.00° ▷ ◁ @ 106.82 Cross cutting the Quartz Vein Dolomite Vein 150.00° ▷				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 107.58- 108.12 Brecciated graph arg, mnrl sulph on fol and dis s				
		0.00-40.00° « py 2.00-4.00%»				
		« 108.12- 108.53 Alt'd quartz w/ diss py, qtz eyes Alt'd quartzite				
		45.00-55.00° « py 2.00-3.00%» « aspy 1.00%»				
		« 108.55- 108.56 Quartz Vein 55.00°» « @ 108.90 blchd/brkn core w/ ser,				
		gg, qtz to garg Alteration Zone » « @ 110.12 Pyrite filled fractures 35.00°				
		»				
			110.22	111.56	M271489	0.00
110.43	113.44	GARG	111.56	113.06	M271490	1.50
			113.06	114.60	M271491	0.00
		Black and grey banded graphitic argillite (GARG); fine grained, « Foliation				
		50.00-55.00°» with abundant cross-cutting veins and tension gashed (en				
		echelon); minor dolomite with quartz within veining				
		113.44 142.40 FGSS/GARG	114.60	116.10	M271492	1.50
		Quartzite with Graphitic Argillite partings; « Veins 30.00-35.00°»; similar to	116.10	117.60	M271493	1.50
		the above unit of quartzite;	117.60	118.47	M271494	0.87
		« 118.47- 119.97 GARG 50.00°» « Foliation 50.00°» « Veining Calcite Vein	118.47	119.97	M271495	1.50
		30.00%» « py 0.50%»	119.97	120.70	M271496	0.73
		« 119.98- 120.50 Alt'n Zn; bleached and broken core Sericitized and	120.70	122.20	M271497	1.50
		silicified zone » « py 1.00-2.00%»	122.20	123.70	M271498	1.50
		« 120.60- 120.62 Interbedded GARG 60.00°»	123.70	125.20	M271499	1.50
		« 120.70- 120.95 Alt'd qtz w/ 17cm wedge of GARG w/ Alteration 75.00°» «	125.20	126.80	M271500	1.60
		py 1.00%»	125.20	126.80	M273251	1.60
		« 122.20- 122.21 Interbedded GARG » Graphitic Argillite with weak to	126.80	128.30	M273252	1.50
		moderate phyllitic texture; cross cuts veinlets of « py 30.00°» to CA	128.30	129.60	M273253	1.30
		« 122.20- 127.40 Pyrite infilled Veinlets 25.00°»	129.60	131.10	M273254	1.50
		« 129.34- 132.46 Dk gy - blk, f g, bkn core, hydro alt'd, mnrl dol veining	131.10	132.60	M273255	1.50
		GARG » « Foliation 0°-70.00°»; abundant vugs, and minor disseminated pyrite on	132.60	133.39	M273256	0.79
		foliation planes	133.39	134.89	M273257	1.50
		« 134.03- 135.94 FGSS 60.00°» with interbedded graphitic argillite; 2	134.89	135.94	M273258	1.05
		zones of alteration, possibly indicating fault zones, minor remnant foliation,	135.94	137.44	M273259	1.50
		minor dolomite veinlets, poor recovery (50%); minor disseminated « py	137.44	138.99	M273260	1.55
		2.00-4.00%»	137.44	138.99	M273261	1.55
		« 136.15- 136.35 Bleached quartzite Alteration Zone » « disseminated py	138.99	140.49	M273262	1.50
		20.00%»	140.49	142.04	M273263	1.55
		« 136.70- 136.80 Alt'n/Fault Zn, broken core in GARG Altered Zone » « py	142.04	142.40	M273264	0.36
		1.00-2.00%»				
		« 136.90- 137.10 As Above; GARG Altered Zone »				
		« 137.10- 138.77 broken qtz with minor py 1.00-2.00%»				
		« 137.49- 137.57 hydrothermal alteration »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 138.02- 138.35 hydrothermal alteration »				
		« 140.31- 140.42 FLT zone sx present (py) within graphitic argyllite 1.00-2.00%»				
		« @ 141.18 qzvn filled frac w/ py filled vns parallel 0.01° »				
		« @ 142.04 foliation 60.00-65.00° » « @ 142.04 dol/py vning 0.01-90.00° »				
		« 142.04- 142.40 foliation 75.00-90.00°»				
		142.40 143.89 FGSS	142.40	143.89	M273265	1.49
		FGSS - (QTZT)				
		Light grey massive, with 15% quartz veins and up to 10% pyrite in quartz and pyrite veinlets.				
		« @ 142.41 upper contact 79.00° »				
		« @ 142.41 30% pyritic qzvnlt 35.00° »				
		« 142.76- 142.77 qzvn with 10% m.g. pyrite 25.00°»				
		« @ 143.10 py vnlets 37.00° 1.00-4.00mm »				
		« @ 143.40 qtz py vein 0° »				
		« @ 143.45 argillite band Argillite 60.00° »				
		« @ 143.80 argillite band Argillite 60.00° »				
		143.89 147.50 Argillite	143.89	145.08	M273266	1.19
		ARG (minor GARG) and FGSS bands (20%)	145.08	145.76	M273267	0.68
		Jack with minor light grey pyritic, thinly banded argillite with local sandstone intervals.	145.76	147.50	M273268	1.74
		Argillite commonly in lenses in sandstone.				
		3 to locally 25% pyrite in veinlets and bands (locally concentrated to 25%); @ 143.95 Foliation/Laminations 80.00° » « @ 144.28 Pyrite Laminations/Veinlets 60.00° » « @ 145.17 Argillite Laminations 65.00° »				
		« 145.43- 145.76 Mod shrd and bx'd arg wi py & qtz vns @ Fabric 70.00°»				
		« 145.76- 147.50 Lost core; rubble and mod gg Fault Zone 80.00-70.00°»				
		« 143.89- 147.50 interval py 3.00-8.00%»				
		147.50 150.92 FGSS	147.50	148.44	M273269	0.94
		Fine Grained Sandstone with local Argillite (+/- Graphite) intervals	148.44	149.66	M273270	1.22
			149.66	150.92	M273271	1.26
		Medium grey, moderately silicified; blotchy dark grey/black locally = K-Altn potential?				
		Locally very pyritic:				
		« 147.50- 147.91 thin vnlt and laminations py 8.00-25.00%»				
		« 147.91- 150.92 thin vnlt and laminations py 3.00-6.00%»				
		« 147.90- 147.91 mnrg graphitic and gougy (slip) Shear zone 70.00°» « @ 148.13 Quartz Carbonate lined Fractures 20.00° » « @ 148.50 pyrite laminae with argillite Foliation 50.00° » « @ 148.73 Argillite Lamination Foliation/Fabric 30.00° » « @ 148.77 Argillite Laminations (with slip?)				

Project: Hyland 2004 Lager**Hole Number: HY-04-14**

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Foliation/Fabric 80.00° » @ 149.50 pyrite laminations/veinlets 60.00° » @ 149.50 Pyrite and Argillite Veinlets Fabric 67.00° » @ 147.90 to ARG Zone/foliation Contact 60.00° »				
		« 149.77- 148.25 Broken Core = Less Silicified Broken Core » @ 149.77 Pyrite Veinlet 60.00° » @ 148.50 Argillite/Pyrite Laminations Laminations/fabric 85.00° »				
		« 148.61- 148.62 Quartz Carbonate Veinlet Quartz Vein 60.00° » @ 148.70 pyrite vnls Fabric 140.00-160.00° »				
		150.92 153.55 TPHY	150.92	153.55	M273272	2.63
		Tan and soft, mostly broken core, slightly sheared texture, mostly argillite with thin wisps of visible pyrite and dark minerals.				
		« fine grained pyrite 2.00-3.00% »				
		153.55 160.85 ARGL	153.55	154.53	M273273	0.98
		ARG/PHY (with minor (5%) FGSS and local GARG intervals).	154.53	155.80	M273274	1.27
		Black to dark grey to medium grey to slightly brown (sericite altered).	155.80	157.28	M273275	1.48
		Generally thinly banded (<1mm) , locally bands are up to a few cm's thick.	157.28	158.80	M273276	1.52
		Argillite/mudstone locally interbanded with and grading to siltstone to fine grained sandstone.	158.80	160.32	M273277	1.52
			160.32	160.85	M273278	0.53
		« 153.55- 153.90 broken core »				
		@ 153.77 foliation 45.00° »				
		« 153.55- 160.85 generally locally mod ser alt to med grey- green. locally slightly silicified » « particularly ss intervals or adjacent to qzvn otherwise black, locally slightly graphitic »				
		« 153.90- 154.53 mod ser alt to greenish grey, likely assoc w/ increased py 15.00% »				
		« 154.53- 155.65 Blk arg w/ grey py interbands 2.00-5.00% »				
		« 155.65- 155.70 SHR w/ slicks, modly gouged 34.00° »				
		« Upper ctc and lower ctc FGSS 30.00° »				
		« py vnls at 30 deg. locally vuggy 3.00-5.00% 0.10-0.90mm »				
		@ 156.45 slip surface 7.00° »				
		« 156.60- 156.61 thin gouge interval 70.00° »				
		@ 157.40 foliation 61.00° »				
		@ 157.52 thin qzvn (frac filling) 15.00° »				
		@ 158.53 foliation 64.00° »				
		@ 158.60 foliation 76.00° »				
		@ 159.03 foliation 61.00° »				
		@ 160.16 foliation 72.00° »				
		160.85 165.09 PHY	160.85	162.34	M273279	1.49
		phyllite: medium greenish grey to tan, moderately sericite altered, thinly laminated phyllite, locally with slightly silty to fine grained sandy zones. «	162.34	163.50	M273280	1.16
			162.34	163.50	M273281	1.16

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		finely diss, thinly laminated py 1.00-2.00%»	163.50	165.09	M273282	1.59
		« 160.85- 161.06 SHR/flt zone with local bx (cren) 20.00°»				
		« @ 161.22 SHR Bx 55.00° 5.00mm »				
		« @ 161.28 foliation 66.00° »				
		« @ 161.40 foliation w/ mm scale carbonate bands likely deformation vnlt @ 70.00° »				
		« @ 161.88 foliation/lamination 87.00° »				
		« @ 162.44 foliation 80.00° »				
		« @ 162.84 foliation 70.00° »				
		« 163.50- 165.09 alt less sericitized. phy overall a med gry + more qtzose; no change in min'n »				
		« @ 163.50 foliation 76.00° »				
		« @ 163.94 foliation 73.00° »				
		« @ 164.10 foliation 63.00° »				
		« @ 164.21 foliation 44.00° »				
		« @ 164.48 foliation 48.00° »				
		165.09 166.90 GARG/GPHY	165.09	166.66	M273283	1.57
		« foliation and gradational alteration contact parallel 49.00°»				
		« 165.49- 165.57 2 gouge intervals 76.00° 1.00cm»				
		increased mineralization from previous to 3-4% fine grained to med grained disseminated pyrite.				
		« @ 165.66 dramatic increase in mineralization »				
		« 166.66- 166.90 GARG w/ m.g.-c.g.py diss and in bands as well as thin vnlt 5.00-12.00%»« foliation 55.00°»				
		166.90 167.09 SSMS to MSSX				
		Semi massive sulfide in GARG; « py 30.00-40.00%»				
		very fine grained disseminations				
		« laminae/thin bands 54.00 0.50mm»				
		« L.ctc 50.00°»				
		167.09 167.30 MSSX				
		Massive sulfides				
		« massive f.g. pyw/ Si and ARG (blk) 60.00-80.00%»				
		« @ 167.19 local foliation 70.00° »				
		« @ 167.30 Lower contact 60.00° »				
		167.30 169.10 ARGL	167.30	168.17	M273285	0.87
		ARGL: medium dark grey	168.17	169.10	M273286	0.93
		silicified (due to mineralization?)				
		« ARGL w/ m.g.-c.g. py. No visible aspy 5.00-20.00%»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		weak to locally moderate carbanate alt to siderite (?) »				
		Locally sandy to fine grained sandstone (FGSS) with thin interbands of ARGL/PHYL.				
		« 168.70- 168.85 foliation 70.00-80.00° »				
		« @ 169.00 frac into lower unit 3.00° »				
		« @ 169.00 lower contact 65.00° »				
		169.10 169.80 MSSX	169.10	169.47	M273287	0.37
		(with minor SSMS); massive med grained to fine grained pyrite in (5-10%) silicified ARGL and silica matrix;	169.47	169.80	M273288	0.33
		« @ 169.28 foliation and local slicks 85.00° »				
		« @ 169.47 foliation and local slicks 35.00° »				
		« @ 169.50 foliation and local slicks 46.00° »				
		« minor carbonates 5.00% »				
		« overall py 70.00-90.00% »				
		No visible arsenopyrite				
		« @ 169.80 lower contact 70.00° »				
		169.80 170.54 ARGL	169.80	170.54	M273289	0.74
		Silicified brown argillite with quartz and quartz - carbonate veinlets.				
		« SHR zone (?) - vuggy. no orientation »				
		18 py stringers + vnltls w/ local diss 4.00% »				
		« @ 169.84 graphite band 73.00° »				
		pyrite lenses				
		« @ 170.54 lower contact 70.00° »				
		170.54 171.20 MSSX	170.54	171.20	M273290	0.66
		Massive Pyrite (as in 169.10-169.80m)				
		« 170.94- 171.00 GARG lense/interbands w/ U etc 70.00° »				
		Last 20m is rubble, potentially lost core zone.				
		First 10 cm show parallel to C.A. lineations like wedges, looks compression/ percussion - like				
		« 170.54- 171.20 pyrite; no vis aspy 80.00-90.00% »				
		« @ 171.20 lower contact 45.00° »				
		171.20 172.20 GARG				
		Black to dark grey argillite, locally grading silty to fine sandy; local carbonate veinlets and alteration.				
		mm to sub cm pyrite bands				
		weakly to moderately silicic				
		Moderate warping/deformation.				
		« py bands 5.00-20.00% »				
		« @ 171.58 cb vnltls 45.00° »				
		« 171.60- 171.62 cb/qtz band 65.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 171.65- 171.66 py band 65.00° »				
		@ 172.20 L ctc 60.00° »				
		172.20 172.61 FLT/GARG				
		Mostly gouge with minor carbonate and FGSS Bx.				
		@ 172.20 U ctc 60.00° »				
		« 172.52- 172.61 broken and highly fractured core »				
		« 172.20- 172.61 diss py in gouge and in thin bands 5.00-20.00% »				
		@ 172.61 L ctc 64.00° »				
		172.61 173.93 ARGL				
		Argillite/Mudstone; Beginning medium grey and with increasing sericite alteration down hole grading towards more of a TPHY; well laminated with 2-3% very fine grained disseminated and thinly banded/laminated pyrite; « py 2.00-3.00% » @ 172.81 Foliation 70.00° » @ 173.76 Foliation 47.00° »				
		« 173.86- 173.93 Flt gg (pyritic) with contacts Fault 66.00° » « py 10.00% »				
		173.93 175.88 ARGL				
		TPHY/ARG				
		Grey tan to light tan with slight green tint down hole; well foliated with local mm to cm thick fine grained sandstone bands; monderately boudinaged; generally 3 to locally 5% disseminated and laminated bands of fine grained pyrite; py « Pyrite band 75.00° » @ 174.87 Foliation 76.00° »; Lower contact gradational alteration to light yellow tan TPHY				
		« 173.93- 175.88 py 3.00-5.00% » @ 179.21 Foliation 76.00° » @ 180.10 Foliation 78.00° » @ 173.93 Slickenslide 180.65 55.00° » @ 181.30 Foliation 84.00° » @ 182.50 Foliation 73.00° »				
		« py 1.00-2.00% »				
		175.88 182.69 TPHY				
		TPHY/(MDST)				
		Light yellow tan, locally with weak green tint, essentially slightly to moderately deformed mudstone locally interbanded with and grading to siltstone and fine grained sandstone; locally sheared and brecciated. @ 176.05 Foliation 70.00° » @ 177.10 Foliation 80.00° »				
		« 177.86- 177.87 Cb-veinlet Dolomite Vein » « Shear with carbonate breccia Shear Zone 40.00° »				
		« 178.20- 178.35 Shear 37.00° » @ 178.61 Foliation 77.00° »				
		« 175.88- 182.69 py 2.00-3.00% »				

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 194.10 fol 82.00°	201.47	203.00	M273318	1.53
		« 194.70- 194.85 fining down seq from fgss to sltst to arg/phy = OVERTURNED (?) »	203.00	204.52	M273319	1.52
		« 195.13- 195.50 tan brown + mod silicified QVSX » « qtz + py (7%) + tr aspy (1%) 8.00% » « qtz, py, aspy vn 15.00° »	204.52	206.04	M273320	1.52
		« 195.13- 195.50 tan brown + mod silicified QVSX » « qtz + py (7%) + tr aspy (1%) 8.00% » « qtz, py, aspy vn 15.00° »	204.52	206.04	M273321	1.52
		« 195.13- 195.50 tan brown + mod silicified QVSX » « qtz + py (7%) + tr aspy (1%) 8.00% » « qtz, py, aspy vn 15.00° »	206.04	207.56	M273322	1.52
		@ 195.36 qtz + cb vn (90 deg to main vein) 30.00°	207.56	209.09	M273323	1.53
		@ 195.44 thin qzvn 70.00°	209.09	209.97	M273324	0.88
		« 195.68- 195.79 ground up, not quite gg. ARG + py mtx w/ FLT 77.00° » « frags of dk gy arg; appears to be graded slt at top to cm size frags at bottom (?) » « L ctc slightly gougy phy »	209.97	210.47	M273325	0.50
		« 195.68- 195.79 ground up, not quite gg. ARG + py mtx w/ FLT 77.00° » « frags of dk gy arg; appears to be graded slt at top to cm size frags at bottom (?) » « L ctc slightly gougy phy »	210.47	211.44	M273326	0.97
		« 195.68- 195.79 ground up, not quite gg. ARG + py mtx w/ FLT 77.00° » « frags of dk gy arg; appears to be graded slt at top to cm size frags at bottom (?) » « L ctc slightly gougy phy »	211.44	212.94	M273327	1.50
		@ 195.85 py + qtz vnlt 10.00°	212.94	214.36	M273328	1.42
		« 196.63- 196.64 qzvn 65.00-86.00° »	214.36	215.19	M273329	0.83
		@ 196.80 qtz-py vns 50.00°	215.19	216.69	M273330	1.50
		« 197.50- 199.14 minor ser present TPHY/MDST » « fol w/ py diss 50.00° »	216.69	218.24	M273331	1.55
		« 199.14- 202.54 f.g. minor diss py/ minor dol vnlt GPHY/MDST » « fol 60.00-75.00° »	218.24	219.74	M273332	1.50
		« 199.14- 202.54 f.g. minor diss py/ minor dol vnlt GPHY/MDST » « fol 60.00-75.00° »	219.74	220.86	M273333	1.12
		« 202.54- 202.73 Silicified mdst Cu coloured. cherty type rock, dk brown. » « minor diss py 1.00% »	220.86	221.28	M273334	0.42
		« 202.54- 202.73 Silicified mdst Cu coloured. cherty type rock, dk brown. » « minor diss py 1.00% »	221.28	222.53	M273335	1.25
		« 202.73- 203.00 gradually silicified from/to TPHY »	222.53	224.03	M273336	1.50
		« 203.00- 203.84 Green Phyllite GPHY 50.00° »	224.03	225.49	M273337	1.46
		« 203.84- 207.11 TPHY w/ minor sph & py vnlt TPHY »	225.49	226.99	M273338	1.50
		« sph 0.50-1.00% » pyrite veinlets both cross-cutting foliation and on foliation	226.99	228.42	M273339	1.43
		« py <1.00% »	228.42	229.92	M273340	1.50
		« 207.11- 208.00 GPHY 65.00-70.00° »	228.42	229.92	M273341	1.50
		« 207.80- 209.97 TPHY 70.00° »	229.92	231.42	M273342	1.50
		« 210.14- 210.26 sericite with Quartz Vein 65.00° »	231.42	233.33	M273343	1.91
		« 210.26- 210.26 GARG FLT Zone with diss py Fault » « py 5.00-8.00% »	233.33	234.57	M273344	1.24
		« 210.45- 210.75 pyrite and dolomite veinlets 90.00° »				
		« 210.75- 211.44 massive py; v. minr qtz/dol veinlets py 95.00-99.00% »				
		« 211.44- 215.19 Tan Phyllites/MDST; minr py on fol'n, x-cut TPHY 90.00-75.00° »; minor pyrite on foliation, occasionally cross-cutting veinlets				
		« py 0.50-1.00% »				
		« 215.19- 216.47 with intbdd TPHY FGSS » « minor dolomite on fractures Dolomite Vein 20.00° » « minor qtz veinlets 20/60/90 deg TCA Quartz Vein 20.00-90.00° » « py 2.00-3.00% » « veins/disseminations py 15.00-35.00° »				
		« 216.47- 216.83 TPHY/MDST TPHY 70.00° » @ 217.00 qtz vein with 1mm py on margin Quartz Vein 25.00°				
		« 217.07- 217.15 intbdd TPHY TPHY 75.00° »				
		« 217.58- 217.68 TPHY 70.00° »				

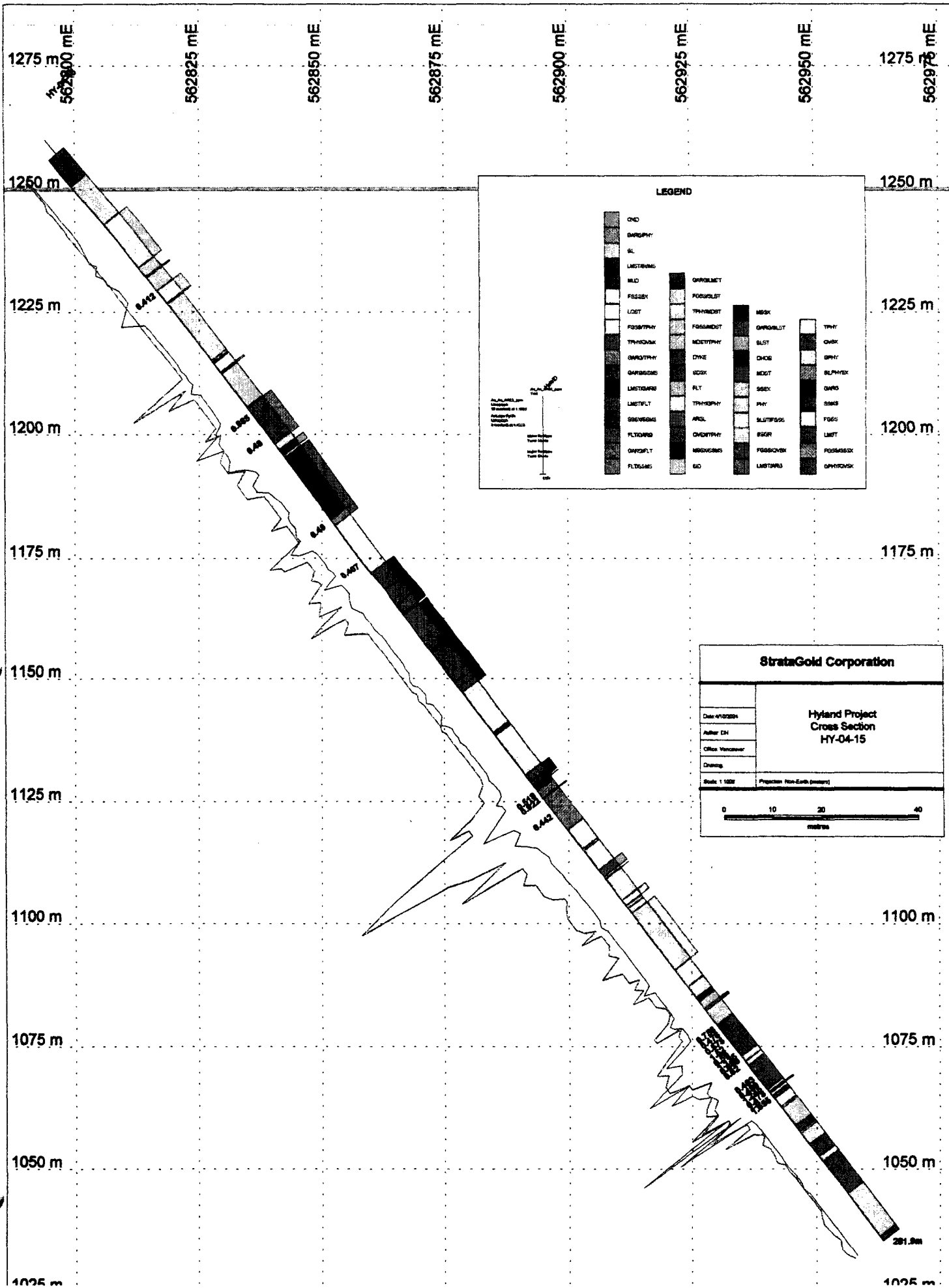
From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 217.68- 217.71 py diss within bx'd fracts of Quartz Vein 70.00° » @ 19.53 py infilled + mnr (tr) aspy - fracture 15.00° x @ 219.63 as prev Fracture 15.00° »				
		« 219.80- 219.82 with subhedral m g pyrite Quartz Vein 60.00° »				
		« 219.92- 220.42 series of .5-1cm vnltls wi mnr diss py Quartz Vein 60.00-70.00° »				
		« 220.45- 220.86 py vns, blackened py, tr aspy 40.00° 0.50-1.00cm »				
		« 220.86- 222.53 tan/grey PHY/MDST w/ fol TPHY/MDST 65.00-75.00° »				
		« @ 222.53 sandy qtzt w/ mnr fol/texture 80.00° »				
		« @ 224.72 FGSS(?) w/ qtz eyes. eyes form dir fabric w/ elongate sides. qtzt ss 75.00-85.00° » x @ 224.72 x-cutting qtzt py vns 150.00-155.00° 0.50cm »				
		« @ 225.55 py/qzvn (py on margin of qzvn) 25.00-30.00° 0.50cm »				
		« @ 225.75 qtzt vnltls 25.00° »				
		« @ 225.95 qtzt vnltls 25.00° »				
		« 229.95- 230.18 qtzt fabric w/ qzvn x-cutting fabric at 90 degrees 75.00° »				
		« 233.33- 234.57 interbedded w/ sandy qtzt w/ fol GPHY/Grey phy 75.00° »				
		« @ 235.63 qzvn w/ py (dirty) diss (30% of vein) 55.00° 5.00cm »				
		« 235.84- 235.88 Gr/gry phy/mdst/argillite partings w/ fol GPHY/MDST 5.00-80.00° »				
			234.57	236.00	M273345	0.00
			236.00	237.45	M273346	1.45
		235.88 237.45 QVSX				
		Area of highly silicified phyllite/mudstone and quartzite, appears like a chert, coherent core.				
		Copper/dark tan colour.				
		« mnr fol seen as micro faults 40.00-45.00° »				
		« aspy + py appears as vnltls + diss 1.00-1.00% »				
		Core has grainy texture.				
		237.45 242.78 GPHY				
		Green Phyllite / mudstone with heavily sericitized partings and x-cutting qtzt / sx vnltls.				
		« foliation 40.00-70.00° »				
		« qtzt / py vnltls »				
		« sericitized partings »				
		242.78 260.30 LMST				
		Muddy limestone, black to dark grey, fine grained limestone with prevalent cross cutting calcite veins / veinlets, "poker chip core". « foliation 60.00-70.00° » « foliation or crenulated 0.01 »				
		« budins and s-type folds are common within the calcite veining. Core is easily breakable.				
			242.78	244.30	M273351	1.52
			244.30	245.67	M273352	1.37
			245.67	247.19	M273353	1.52
			247.19	248.72	M273354	1.53
			248.72	250.23	M273355	1.51
			250.23	251.76	M273356	1.53

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« mnř sx vis (py) on fol 1.00%»	251.76	252.87	M273357	1.11
		occasional cm-cm's sized calcite viens / veinlets x-cutting at all angles /	252.87	253.88	M273358	1.01
		exploite fractures.	253.88	255.38	M273359	1.50
		« 257.60- 257.62 mnř flt zone, lost core, can't tell exact width	255.38	256.88	M273360	1.50
		80.00-90.00°»	255.38	256.88	M273361	1.50
		« 259.63- 259.67 alt zone, blc core w/ abundant qtz eyes 10cm each side	256.88	258.38	M273362	1.50
		sufered hydro alt, mnř py »	258.38	259.38	M273363	1.00
			259.38	260.20	M273364	0.82
			260.20	261.79	M273365	0.00
		260.30 265.56 GPHY	261.79	263.29	M273366	1.50
		Green phyllite / mudstone, fine grained with abundant qzvn / vnlt's with	263.29	264.79	M273367	1.50
		inclusive pyrite and minor arsenopyrite.				
		« inclusive py + mnř aspy » « foliation 50.00-65.00°»				
		« 260.70- 260.91 blc alt zone, ser prevalent, broken core »				
		« 261.00- 261.05 Cu tan bm, cherty app/tex, coherant core GPHY/MDST » «				
		aspy diss 1.00%»				
		« @ 262.72 foliation 45.00° »				
		« @ 263.45 foliation 45.00° »				
			264.79	265.59	M273368	0.00
		265.56 266.59 QVSX	265.59	266.59	M273369	1.00
		(QVSX ?)				
		Silicified phyllite / mudstone				
		« py vnlt's + qzvns 35.00-45.00°»				
		« sulfides (py) becoming massive toward end of unit 20.00%»				
		266.59 266.84 TPHY				
		Tan phyllite / mudstone.				
		« foliation 70.00°»				
		« py diss on fol »				
		266.84 267.52 SSSX				
		sulfidized sandstone (quartzite).				
		« diss - semi massive py at end of unit »				
		267.52 268.83 TPHY				
			266.59	267.34	M273370	0.00
			267.34	268.83	M273371	0.00
		Tan phyllite / mudstone.				
		« foliation 55.00-60.00°»				
		« mnř py on fol »				
		268.83 269.00 QVSX	268.83	269.00	M273372	0.17
		(QVSX?)				
		Same unit description as 265.56 - 266.59m				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
269.00	271.60	TPHY	269.00	269.65	M273373	0.65
		tan / grey / black phyllites interbedded with quartzite (sandstone).	269.65	270.41	M273374	0.76
		« foliation 50.00-65.00° »	270.41	271.60	M273375	1.19
271.60	272.40	SSSX				
		To SSGR?	271.60	272.76	M273376	0.00
		Core has sugary texture, grey with uniform disseminated sulfides (« py 1.00% », minor « @ 271.60 Veining of Quartz 35.00-20.00° », the latter being sulphide rich				
272.40	294.73	SSSX	272.76	273.51	M273377	0.75
		SSSX with QVSX zones	273.51	274.94	M273378	1.43
		Generally, the sulfized sandstone above appears to evolve into the SSSX unit, core is coherent yet with abundant « fractures 0° », pervasive sulfide veining occurs within the fractures, disseminations of pyrite are abundant, « sulfide veins -5.00° » and « sulphide veins 20.00-35.00° »; minor interbedded phyllite intervals (<5 cm's) occur, with « foliation 65.00° »	274.94	275.80	M273379	0.86
		« 273.51- 273.56 Dark grey PHY 60.00° » with « foliation py 20.00° »	275.80	276.56	M273380	0.76
		« 273.56- 273.91 SSGR 0° » similar to 271-272.40m, though it contains minor phyllitic color alterations, with elevated pyrite content	276.56	278.06	M273381	0.76
		« 273.91- 274.15 grey/black phyllite PHY 65.00-70.00° » « on foliation py 0.50° »	278.06	279.56	M273382	1.50
		« 274.15- 274.41 as abv; SSGR » with « one Quartz Vein 20.00° »	279.56	280.74	M273383	1.50
		« 274.41- 274.85 grey/black PHY 70.00° » with « py 0.50° » on foliation at <5% dolomite on foliation planes	280.74	282.24	M273384	1.18
		« 274.85- 274.95 as above; SSGR »	282.24	283.56	M273385	1.50
		« 274.95- 274.99 grey/black PHY 60.00-65.00° »	283.56	285.29	M273386	1.73
		« 275.00- 280.74 Quartz Veining 15.00-45.00° » « sulfide veining 0° » and « sulfide veining 30.00-45.00° » with other disseminations prevalent as anhedral to euhedral fine to medium grained crystals	285.29	286.79	M273387	1.50
		« as above unit SSGR 55.00° » with quartz veinlets « @ 281.32 btw SSGR and SSSX? »	286.79	287.69	M273388	0.90
		« wi 1cm ptg contact 60.00° », grey mudstone with « @ 281.32 foliation 60.00° »	287.69	288.42	M273389	0.73
		« 281.33- 281.92 SSSX with Quartz Vein 75.00° » and « Quartz Vein 30.00° »	288.42	289.92	M273390	0.73
		« 281.92- 282.31 as above SSGR » with « thin Quartz Veinlets 35.00° » and disseminated sulphides « py 1.00% » more abundant; upper contact at 281.92 is	289.92	290.83	M273391	1.50
			290.83	291.25	M273392	0.91
			291.25	291.62	M273393	0.42
			291.62	292.32	M273394	0.37
			292.32	292.79	M273395	0.70
			292.79	294.29	M273396	0.47
			294.29	294.73	M273397	1.50
					M273398	0.44

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	3.66	Casing				
		No core recovery.				
3.66	10.67	LMST	3.66	4.57	M273406	0.91
		Muddy limestone, black and white (zebra like) patterned, with x-cutting calcite veins / veinlets, no visible sulfides.	4.57	6.08	M273407	1.51
			6.08	7.62	M273408	1.54
		« fol, some have suffered mnf folding forming cren (ex:8.32m) 60.00-90.00° »	7.62	9.14	M273409	1.52
		« hydro alt zone, rock not coherent, lim abundant (solid stained) ser prevalent »	9.14	10.67	M273410	1.53
		« 10.21- 10.67 broken core, abundant cc vns, lim pres on f frags as well »				
		« 10.60- 10.67 cc vnls (lightning like) 0.01° »				
10.67	20.78	GPHY	10.67	12.00	M273411	1.33
		Green phyllite / mudstone, fine grained, with relatively uniform colour, limonite staining is very abundant on foliation and on fractures, at times even pervasive, « foliation 70.00° », very minor (trace) dolomite blebs / veinlets, core is abundantly fractured.	12.00	13.50	M273412	1.50
			13.50	15.00	M273413	1.50
		« 10.67- 10.78 qzvn w/ blc py + aspy diss? small peice av to sample » « alt zone, core is blc'd » « possible flt zone, core is clay like »	15.00	15.96	M273414	0.96
			15.96	17.46	M273415	1.50
		« 10.88- 11.24 flt, clay like blc'd gouge prevalent, mnf fol observed in some locations » « hydro alt, lim / ser prevalent »	17.46	18.11	M273416	0.65
			18.11	19.81	M273417	1.70
		« 11.90- 12.00 same as above » « same as above »	19.81	20.76	M273418	0.95
		« 13.72- 15.31 gphy more frac'd, lim also increases (pervasive), some frags contain vugs » « tr py »				
		« 15.03- 15.16 qzvn is frac but coherent w/ multiple vug like vn features 60.00° »				
		« @ 15.96 foliation 65.00° »				
		« 15.96- 15.16 4-5 qz vnls, boudinage. vns on fol 65.00-70.00° 1.00-3.00cm » « tr py dissem's (blc) »				
		« 16.76- 18.11 foliation 60.00-70.00° »				
		« 19.81- 20.41 fol undergone slight folding - s-type fld, x-cutting vns of lim abundant 25.00-35.00° »				
		« 20.74- 20.41 flt zone at gphy L ctc. gg broken clay like core »				
			20.76	22.86	M273419	0.00
20.78	32.00	SSGR	22.86	25.91	M273420	3.05
		Quartzite, extremely vugged out core, sandy like sandstone texture, extremely fractured, core recovery poor and very incoherent, no visible sulfides, limonite staining prevalent. Core appears as almost breccia in certain areas.	22.86	25.91	M273421	3.05
			25.91	27.43	M273422	1.52
		« @ 28.90 example of bx core »	27.43	28.96	M273423	1.53
			28.96	30.48	M273424	1.52
			30.48	32.00	M273425	1.52
32.00	38.10	GPHY	32.00	34.75	M273426	2.75

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Green phyllite / mudstone. Same as gphy unit described above.	34.75	38.10	M273427	3.35
		« 34.40- 34.68 flt zone, pervasive lim staining extreme broken core / gg »				
38.10	41.27	SSGR	38.10	41.15	M273428	3.05
			41.15	43.20	M273429	0.00
		Quartzite				
		Rubble, same as ssgr unit described above except broken core. Shows signs of broken quartzite welded via limonite veins? (appears as quartzite breccia)				
41.27	56.20	GPHY	43.20	44.20	M273430	1.00
		Green phyllite / mudstone.	44.20	45.70	M273431	1.50
		Fine grained. Same characteristics as previously described gphy unit with less limonite, almost only on occassional foliation / fractures. « foliation 60.00-70.00° »	45.70	47.24	M273432	1.54
			47.24	48.74	M273433	1.50
			48.74	50.29	M273434	1.55
		« 41.27- 41.47 flt zone, gg/clay core, pervasive lim stain (core is orange) »	50.29	51.80	M273435	1.51
			51.80	53.34	M273436	1.54
			53.34	54.84	M273437	1.50
		Pale green - grey, thinly laminated argillite / mudstone, weakly foliated, bleached and sericitic, locally with hem / limonite on fracture planes.	54.84	56.20	M273438	1.36
		Minor quartz +/- carbonate / carbonate veinlets, commonly with oxidized pyrite.				
		« thin qtz + py vnlts 0.01-1.00% »				
		« @ 44.40 frac fol 57.00° »				
		« @ 44.81 frac fol 76.00° »				
		« @ 44.90 frac fol 75.00° »				
		« @ 44.97 frac fol 55.00° »				
		« 45.52- 45.60 qtz + lim (py) vnlts, py ox'd out, now vuggy 50.00-60.00° »				
		« 46.30- 46.40 qtz +/- cb/cb vnlts 60.00-85.00° 1.00-2.00mm »				
		« 46.74- 46.78 shr micro flt, sheared mdst w/ 35% gg 60.00° »				
		« @ 46.90 cren fol 80.00° »				
		« @ 47.70 frac fol 76.00° » « @ 47.98 fol mod folded 68.00° »				
		« 48.22- 48.30 cb (cc) vnlts w/ tr py 0.01% »				
		« 48.74- 56.20 increase chl, arg/mdst more green less gry GPHY ? »				
		« @ 49.02 frac fol 80.00° »				
		« @ 49.26 frac fol 71.00° »				
		« @ 50.35 cb vnlts 66.00° »				
		« 51.22- 51.24 qtz-cb vnlts-bleb »				
		« @ 51.90 fol 75.00° »				
		« @ 52.62 foliation 74.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 52.96- 53.18 modly frac'd, not shr'd 77.00°»				
		@ 53.48 cb vnl 40.00°				
		@ 53.55 cb vnl 140.00° 1.00cm				
		@ 54.32 qtz and shr 38.00° 1.00mm				
		@ 54.70 foliation 58.00°				
		56.20 56.62 TPHY				
		Increasingly tan / sericitized closer to lower QVSX zone, slight increase in pyrite mineralization, slight increase in quartz veining.				
		Gradational upper contact. « py min'n 2.00-3.00°»				
		« 56.39- 56.45 py + qtz vnls 48.00°»				
		« 56.50- 56.62 qtz vnls 55.00-70.00° 1.00-2.00cm»				
		56.62 56.86 QVSX				
			56.20	57.01	M273439	0.00
		Tan (dark brown) phyllite altered due to quartz and pyrite veins.				
		« py vnls and frac fillings 6.00-8.00% 1.00mm»				
		@ 56.62 U ctc 80.00°				
		« m.g. - f.g. py vn / vnls 43.00°»				
		Quartz grey to zoned dark grey in centre.				
		56.86 59.24 FGSS	57.01	58.51	M273440	1.50
		Quartzite	57.01	58.51	M273441	1.50
		Limonitic fractures				
		59.24 59.56 QVSX				
			58.51	59.56	M273442	0.00
		Quartz vein flooded silicified and sulfidized dark tan phyllite.				
		« py 3.00%»				
		59.56 68.20 GPHY	59.56	61.06	M273443	1.50
		Green phyllite / mudstone.	61.06	62.48	M273444	1.42
		Sericite on foliation and x-cutting foliation. Minor sulfide disseminations	62.48	63.99	M273445	1.51
		x-cutting and on foliation, bleached sections on interval. « foliation	63.99	65.53	M273446	1.54
		60.00-70.00°»	65.53	66.81	M273447	1.28
			66.81	68.32	M273448	0.00
		68.20 77.42 QVSX	68.32	68.95	M273449	0.63
		Quartz vein flooded silicified and sulfidized green phyllite with more abundant	68.95	69.76	M273450	0.81
		sulfides (arsenopyrite, pyrite, and minor bornite), minor intervals of FGSS	69.76	71.48	M273451	1.72
		however not predominant and core recovery is poor making defined locations	71.48	73.15	M273452	1.67
		impossible. « py and aspy respectfully 1.00-3.00%»	73.15	74.37	M273453	1.22
		« 74.84- 74.92 TPHY » « foliation 50.00-55.00°»	74.37	75.27	M273454	0.90
			75.27	77.42	M273455	2.15
		77.42 78.92 TPHY	77.42	78.92	M273456	1.50
		Tan to light green phyllite.				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		foliation 50.00-60.00°»				
		crenulations visible indicating strained foliation layers, sulfides (pyrite)				
		predominant on foliation.« py on fol 1.00%»				
		78.92 80.26 GARG	78.92	80.26	M273457	1.34
		Graphitic argillite to black phyllite / mudstone. Fine grained, foliations				
		suffered severe deformations at times, s-forms and crenulation cleavage« diss				
		py 3.00%» « mnv dol vn/vnlts »« mnv ser »« foliation 70.00-80.00°»				
		« @ 79.07 ft indicated by slickenlines 30.00° »				
		80.26 80.83 TPHY	80.26	80.83	M273458	0.57
		Tan phyllite / mudstone with dark bandings.« foliation 60.00°» broken core. «				
		lim staining on frac and ser prevalent »				
		80.83 91.30 GARG	80.83	82.33	M273459	1.50
		Same as previously described garg unit above.	82.33	83.82	M273460	1.49
		« foliation 35.00°»	82.33	83.82	M273461	1.49
		« @ 83.82 remnant piece of qzvn w/ slickenlines 40.00° »	83.82	85.32	M273462	1.50
		« 83.96- 83.97 qzvn vn 40.00°»	85.32	86.87	M273463	1.55
		« 84.50- 84.75 sx not as abundant, (py) SILPHYSX 1.00%»	86.87	88.39	M273464	1.52
			88.39	89.61	M273465	1.22
			89.61	90.72	M273466	1.11
			90.72	91.30	M273467	0.58
			91.30	92.80	M273468	1.50
		91.30 97.94 ARGL	92.80	94.30	M273469	1.50
		ARG (locally garg); black to dark grey to licaly medium grey with mm - cm scale	94.30	95.79	M273470	1.49
		fgss interbands. Finely laminated and with well developed foliation; minor	95.79	96.52	M273471	0.73
		quartz +/- pyrite and pyrite / carbonate +/- quartz veinlets.	96.52	97.94	M273472	1.42
		Pyrite is very fine grained and disseminated in thin laminae and locally thin				
		veinlets.« pyrite 0.01-2.00%»				
		« @ 91.30 U ctc 40.00° »				
		« 91.62- 91.63 gouge (graphic) 55.00°»				
		« @ 92.20 foliation 28.00° »				
		« @ 92.25 slip / shr face 35.00° »				
		« @ 93.18 foliation 50.00° »				
		« @ 93.50 foliation 30.00° »				
		« 95.00- 95.20 set of cb vnlts 50.00° 1.00mm»				
		« @ 95.47 foliation of lam/beds 59.00° »				
		« @ 95.74 foliation of lam/beds 40.00° »				
		« @ 96.40 fol of lam/beds 50.00° »				
		« 96.52- 99.73 Increased Si + py min'n in thin vnlts + thicker blebs,				
		dark brn overall, crosses lithological boundary; gradational upper contact »				
		« @ 97.12 py vnlts 55.00° 0.10-0.50mm »				
		« 97.52- 97.70 v dk gy bx + gg material, looks frags of FGSS/ARGL in				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		graph Sil + py mtx w/ U ctc 55.00°»				
97.94	110.20	FGSS	97.94	98.90	M273473	0.96
		FGSS with dominantly fgss with minor black argillite intervals.	98.90	99.73	M273474	0.83
		« 97.94- 99.73 cont sil zone »	99.73	101.08	M273475	1.35
		Medium to light grey fine grained - medium grey quartzite.	101.08	102.11	M273476	1.03
		« @ 97.94 U ctc 12.00° »	102.11	103.61	M273477	1.50
		« @ 98.70 py on fol 54.00° »	103.61	105.16	M273478	1.55
		« py 4.00-8.00% »	105.16	105.82	M273479	0.66
		« @ 99.14 fol in arg 12.00° »	105.82	107.17	M273480	1.35
		« @ 99.14 mn'r slip face 70.00° »	105.82	107.17	M273481	1.35
		« @ 99.72 highly alt'd ARGL/PHY, sericitized »	107.17	108.30	M273482	1.13
		« 99.73- 107.17 much more blc, less Si, light gy overall less py min'n 1.00-2.00% »	108.30	109.80	M273483	1.50
		« @ 100.69 py lam 45.00° »				
		« @ 101.03 py lam 40.00° »				
		« @ 101.67 arg fol / slip 40.00° »				
		« @ 102.11 qzvn w/ weak def'n 15.00° » « @ 102.11 hydro frac 161.00° »				
		« @ 103.20 frac fol w/ slip / def'n 20.00° »				
		« 103.41- 103.54 arg intervals w/ fol 50.00-30.00° »				
		« 103.80- 104.65 foliation 43.00-20.00° »				
		« 107.17- 108.36 increased Si + py min'n in f.g. vnlt's 3.00-6.00% » « aspy pres 0.01-2.00% »				
		107.17 - 108.36; medium grained sandstone, trace of carbonates. « py lam (as drawing) mjr vnlt's at 35 deg »				
		« @ 108.36 foliation (arg) 47.00° »				
		« @ 109.01 cb vnlt's 65.00° 2.00mm »				
		« @ 109.10 cb + qtz vn 72.00° 4.00mm »				
		« @ 109.23 cb vnlt 55.00° 1.00mm » « @ 109.23 ctc w/ arg interval (highly frac + cem'd) w/ py, (relative measurement) 152.00° »				
		« @ 109.90 hinge of fold 145.00° 35.00 - 0.00 »				
			109.80	111.51	M273484	0.00
110.20	141.15	ARGL	111.51	113.00	M273485	1.49
		Black to dark grey.	113.00	114.50	M273486	1.50
		Intense structural zone, possibly hinge of fold. local oxidization, breccia, shear, and fault zones.	114.50	115.28	M273487	0.78
		Lithology; generally arg with mm to cm fgss bands.	115.28	116.77	M273488	1.49
		« @ 110.20 U ctc 48.00° »	116.77	117.98	M273489	1.21
		« @ 111.77 foliation 40.00° »	117.98	119.20	M273490	1.22
		« @ 112.05 fol / lam, slightly bx'd 20.00° »	119.20	120.87	M273491	1.67
		« 110.20- 113.00 py min'n 2.00-10.00% »	120.87	121.38	M273492	0.51
			121.38	122.88	M273493	1.50

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« lim/hem oxid zone, orange-blk, w/ isoclinal folding, 20.00° »	122.88	124.38	M273494	1.50
		« 112.35- 113.00 broken core »	124.38	125.88	M273495	1.50
		« 112.60- 112.61 gouge 14.00° »	125.88	127.38	M273496	1.50
		« 113.00- 115.28 fol, gen // TCA, slightly wavy/cren + common boudinaged arg 0.01° »	127.38	128.88	M273497	1.50
			128.88	130.38	M273498	1.50
		« 114.20- 115.10 gg zn 0.01-5.00° 1.00cm »	130.38	130.85	M273499	0.47
		« 114.87- 115.07 shr / gg, broken core »	130.85	132.35	M273500	1.50
		« @ 115.28 soft and vuggy arg w/ fol 10.00° »	130.85	132.35	M273501	1.50
		« @ 116.63 foliation 55.00° »	132.35	133.85	M273502	1.50
		« @ 116.71 foliation 44.00° »	133.85	134.44	M273503	0.59
		« @ 116.77 ctc b/ agr + fgss interval 58.00° »	134.44	135.64	M273504	1.20
		« @ 117.05 bottom of fgss/qtzt interval ctc 64.00° »	135.64	136.24	M273505	0.60
		« @ 118.28 arg qtzt ctc 30.00° »	136.24	136.52	M273506	0.28
		« 118.79- 118.93 flt/shr zn, rubble to gg 60.00-70.00° » « pyrite 4.00-5.00% »	136.52	138.02	M273507	1.50
			138.02	139.20	M273508	1.18
		« @ 119.20 less deformation evident = more uniform and no shr / flting »	139.20	140.15	M273509	0.95
		« 120.87- 121.38 blebs of cc/qtz LMST »				
		« 122.42- 122.73 calcareous infill (flooding) GARG »				
		« @ 125.05 foliation 70.00° »				
		« 125.08- 125.38 sid abund, qtz nodules/bx » « sx blebs / diss py 0.09% »				
		« @ 129.45 fol 45.00° »				
		« @ 129.88 foliation 65.00° »				
		« 129.89- 130.38 w/ remnant foliation FGSS 60.00-65.00° »				
		« 130.38- 130.85 flt zn/hydroalt zn, gg/graphitic clay, oxid sx, mnr sid »				
		« 130.88- 138.02 w/ Si seq of garg, v. broken core sid abund FGSS/GARG » « frags abund w/ no conformity, mnr diss py mainly contained in garg, vugging abundant »				
		« 138.68- 140.00 flt / alt zn, sid pres, xlay - like gg, f.g graphitic pieces, mnr sx »				
			140.15	141.73	M273510	0.00
		141.15 162.30 FGSS	141.73	143.23	M273511	1.50
		<i>Fine grained sandstone / quartzite. Minor fractures with siderite fracture filling, sulfides disseminated / vienlets < 1%</i>	143.23	144.91	M273512	1.68
			144.91	145.26	M273513	0.35
		« 144.78- 144.90 rip-up clasts of garg/mdst »	145.26	146.32	M273514	1.06
		« 144.91- 145.26 interbedding sid/py vnlt x-cutting GARG » « foliation 45.00-50.00° »	146.32	147.84	M273515	1.52
			147.84	148.33	M273516	0.49
		« 146.32- 149.84 w/ occasional fgss partings GARG » « foliation 45.00-50.00° »	148.33	149.84	M273517	1.51
			149.84	150.82	M273518	0.98

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 149.84- 151.55 v mnr partings of garg, mnr dol vnlts, mnr qtz vnlts, fracturing 25.00-35.00°»	150.82	151.55	M273519	0.73
		« 151.55- 152.16 possibly just calcareous infilled garg LMST »	151.55	152.31	M273520	0.76
		« 152.16- 152.31 fol 80.00-90.00°»« mnr diss py 0.01-0.99%»	152.31	152.67	M273522	0.36
		« 152.31- 152.67 fgss w/ a garg partingw/ mnr gg at ctc 6.00cm»« mnr py diss w/in garg 1.00%»	152.67	154.00	M273523	1.33
		« 152.67- 154.00 fol, broken core w/ mnr sid staining, poss flt zns inclusive by ggy pieces »« however impossible to locate or determine how extensive »	154.00	155.57	M273524	1.57
		« 155.57- 155.77 garg w/ fol 75.00-90.00°»« v.mnr diss py 0.10%»	155.57	156.97	M273525	1.40
		« 156.97- 157.03 garg w/ fol 70.00-75.00°»	156.97	157.98	M273526	1.01
		« 157.96- 157.98 qzvn w/ py 30.00%»« slightly sheared qzvn w/ py 45.00°»	157.98	159.50	M273527	1.52
		« 158.81- 158.99 several qtz vnlts 80.00-85.00° 2.00mm»	159.50	161.00	M273528	1.50
		Local mm - scale irregular carbonate stringers.	161.00	162.30	M273529	1.30
		« 159.50- 159.51 qtz cb vnlts 85.00°»				
		« 159.93- 160.02 blkcb + locally calcareous arg; whitecc ble bs visible - lmst? or influx of cc (seconda »« sharp U ctc 65.00°»« L ctc, most likely calcarous/cc interlam 75.00°»				
		@ 160.08 arg lam/fol 25.00° » @ 160.08 pyritic arg lam 10.00% »				
		@ 160.30 arg lam/fol 25.00° » @ 160.30 pyritic arg fol/lam 10.00% »				
		@ 160.50 qzvn (s-fold) 30.00° »				
		« 160.74- 161.00 blk ARG interval, non-calcareous 70.00-80.00°»				
		@ 161.37 foliation / shear 74.00° »				
		@ 161.65 she w/ lineation on frac (respectfully) 43.00-60.00° »				
		« 161.85- 161.95 shr graphitic w/ cb vnlts 40.00°»				
		@ 162.05 slip face 37.00° »				
		« 162.05- 162.49 broken core »				
		162.30 163.90 ARGL	162.30	163.29	M273530	0.99
		ARG / garg (+/- lmst?)	163.29	163.90	M273531	0.61
		Black argillite to graphitic argillite.				
		@ 162.30 U ctc 67.00° »				
		« common fgss (+/-cb) interbands 2.00mm»				
		« 162.84- 163.90 modly calcareous w/ white blebs of cc 10.00%»				
		« 162.84- 163.29 increase in py in thin fg lam 3.00-5.00%»« increase in frac of argl from def'n or influ x of min'n »				
		@ 163.25 foliation 55.00° »				
		« 163.29- 163.90 increase in py lam (f.g.), mod calcareous 6.00-8.00%»				
		163.90 164.90 FLT/GARG	163.90	164.90	M273532	1.00
		Gouge to broken to lost core. 50% recovery« U ctc and lost L ctc 60.00°»« f.g.				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« diss py 3.00% »				
164.90	166.30	GARG	164.90	166.30	M273533	1.40
		GARG; black, pyritic, carbonaceous. « pyrite 5.00% »				
		« 165.32- 165.37 flt gg 60.00-70.00° »				
		« @ 165.80 broken core »				
		« 165.80- 165.93 shr w/ mnrg gg 43.00° »				
		« @ 166.12 graphitic slip 85.00° » « @ 166.12 fol 85.00-65.00° »				
166.30	176.25	SILPHYSX	166.30	167.60	M273534	1.30
		Dark brown - black, becoming dark tan with depth. Very silicified and pyritic.	167.60	169.16	M273535	1.56
		« py in thin stringers + lenses/lam 7.00-25.00% » « tr of cpy 0.10% »	169.16	170.44	M273536	1.28
		No quartzite; « frac filling py »	170.44	171.80	M273537	1.36
		« tr cb vnlts and cc 0.10% »	171.80	173.30	M273538	1.50
		« py vnlts/lam fabric/fol; slightly/ mod silic'd 70.00-80.00° »	173.30	174.75	M273539	1.45
		Irregular texture overall.	174.75	176.25	M273540	1.50
		« 168.10- 168.27 cem'd bx, arg frags in possible healed flt :qtz/py/arg	174.75	176.25	M273541	1.50
		mtx » « hard to get orientation b/c Si + vning. fol + py stringers/vnlts/lam				
		70.00-90.00° »				
		« @ 169.91 silphy 58.00° »				
		« @ 170.11 silphy 78.00° »				
		« @ 170.38 silphy warped 35.00° »				
		« @ 170.70 silphy 81.00° »				
		« @ 170.80 silphy 68.00° »				
		« @ 171.80 py lam/vnlts 60.00° »				
		« @ 172.00 py lam/vnlts 74.00° »				
		« @ 172.00 qtz vnlts 160.00° 1.00mm »				
		« @ 172.63 phyl fol 79.00° »				
		« @ 173.05 cb vnlts 10.00° 2.00mm »				
		« @ 173.48 phy fol (?) 82.00° »				
		« 173.85- 173.95 TPHY interval 64 deg »				
		« 174.30- 174.75 cb vning 80.00-90.00° 1.00-2.00mm »				
		« @ 174.79 py + phy fol 67.00° »				
		« @ 175.78 py band 60.00° 1.00cm »				
		« @ 176.25 sharp L etc 45.00-25.00° »				
176.25	186.71	FGSS	176.25	177.76	M273542	1.51
		FGSS (QTZT) with local (<10%) tphy interbands and minor (<4%) silphysx	177.76	179.17	M273543	1.41
		interbands; generally moderately and silicified. Grey to light brown (tphy) to	179.17	180.62	M273544	1.45
		dark brown (silphysx) tint. Minor quartz veining and pyrite veining, most	180.62	182.03	M273545	1.41
		commonly with quartz in thin veinlets, trace disseminations	182.03	183.52	M273546	1.49
		« @ 176.42 phy fabric 58.00° » « @ 176.42 set of py vnlts 120.00° »	183.52	185.00	M273547	1.48
		Variably silicified: stronger silicified zones tend to be darker grey overall,	185.00	186.71	M273548	1.71

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		with dark tan phyllite partings.				
		@ 177.21 drk tan phy partings ›				
		@ 177.45 dk tan phy partings ›				
		@ 178.25 dk tan phy partings ›				
		@ 178.36 dk tan phy partings ›				
		@ 178.25 ctc of described zone above 60.00° ›				
		« 178.48- 178.53 pyritic zn 25.00%»« py zn 74.00-49.00°»				
		« 179.18- 179.33 mod def'n/folding w/ fol 54.00-96.00°»				
		« 179.90- 179.92 qzvn 62.00°»				
		@ 180.75 Conjugate set of quartz stringers 39.00-130.00° ›				
		@ 180.75 Dominate foliation 39.00 ›				
		« 181.28- 181.63 TPHY 35.00-40.00»				
		« 182.03- 184.00 increased sericite content FGSS »				
		-light brown, locally TPHY intervals of same colour				
		« 182.77- 182.84 Quartz vein, grey » « Stringers py 5.00%»				
		« 183.80- 184.00 TPHY interval Folding 80.00-145.00°»				
		« 184.47- 184.51 Gritty cemented Brecciated 28.00°»				
		« 185.10- 185.13 Grey and pyritized quartz vein py 4.00%»« Veinlets py 46.00%»				
		« 185.52- 185.62 Contacts range from TPHY »				
		@ 185.77 Contact TPHY 85.00° ›				
		@ 185.87 Crenulation foliation/conjugate 25.00-75.00° ›				
		« 186.41- 186.71 Upper and Lower contacts of TPHY 65.00-55.00°»«				
		Graphitic Gouge 0° 2.00mm»				
		186.71 188.41 ARGL	186.71	187.45	M273549	0.74
		Argillite (locally interbanded with and grading to siltstone)	187.45	188.41	M273550	0.96
		@ 186.91 Argillite Foliation/bedding 33.00° ›				
		@ 187.21 Carbonate veinlets (angle to foliation) 65.00-90.00° ›				
		@ 187.55 Foliation 5.00° ›				
		@ 187.80 Foliation 30.00° ›				
		@ 188.41 Lower contact 70.00° ›				
		188.41 194.46 TPHY	188.41	189.90	M273551	1.49
		Very fine grained with a well developed foliation fabric; Commonly has areas of	189.90	191.43	M273552	1.53
		concentrated foliaform 2mm contorted clear grey quartz veinlets with 1% 1mm to	191.43	192.90	M273553	1.47
		2mm pyrite cubes typically with pressure shadows; Sericite altered; Commonly	192.90	194.46	M273554	1.56
		encountered in the HANGING WALL to QVSX.				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Soft, light brown-yellow. Intense sericite alteration, <10% FGSS (quartzite, light grey) interbands from 2-20cm thick.				
		« @ 194.46 Locally grading from silty to sandy »				
		Minor quartz plus/minus carbonate veining, locally boudinaged.				
		« 188.41- 188.44 Gouge/Fault zone 64.00° »				
		-broken, sheared core at 188.95				
		« 188.95- 188.98 Gouge/Fault 80.00° »				
		« @ 190.50 Foliation/bedding 46.00° »				
		« @ 192.00 Foliation/bedding 70.00° »				
		« @ 193.20 Foliation/bedding 70.00° »				
		« 194.29- 194.30 Quartz Vein 70.00° » « py 5.00% »				
		194.46 195.82 FGSS/TPHY	194.46	195.82	M273555	1.36
		Phyllitic (tan) quartzite, light brown-yellow as above with 50% quartzite content, unsilicified, high sericite alteration. Low (2-3%) pyrite content similar to TPHY in thin laminations. Foliation evident in phyllitic intervals. Generally foliation is 70-80 deg.				
		« 195.44- 195.47 SILPHYSX 80.00° » « Veinlets of py 3.00% »				
		@ 195.47 Sharp upper contact 70.00° »				
		195.82 196.55 GPHY	195.82	196.72	M273556	0.00
		Green phyllite. Sililar to TPHY though with a green tint (more chlorite alteration than sericite). Possibly due to greater distance from SILPHYSX interval above. Soft and unsilicified.				
		« 195.82- 195.85 Gouge 70.00° »				
		-mostly shredded to 196m @ 30-40 deg.				
		Gradational lower contact to TPHY.				
		196.55 197.78 TPHY	196.72	197.15	M273557	0.43
			197.15	198.24	M273558	0.00
		Tan Phyllite with quartz-pyrite-arsenopyrite veinlets and minor black argillite. Well developed foliation/laminations with common fractures along these planes. Alteration due to quartz-sulphide veining.				
		« 196.72- 196.76 Quartz-Pyrite-Arsenopyrite vein 33.00° »				
		-with moderate shearing				
		« 196.76- 196.77 Fault gouge 35.00° »				
		« 196.77- 196.82 Black, fragmented ARGL »				
		« 196.82- 196.90 TPHY »				
		« 196.90- 197.09 Black ARGL 70.00° » « py 3.00% »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 197.09- 197.15 Quartz veins/bands (white) 74.00° »				
		TPHY to bottom of interval, grading to GPHY.				
		« @ 197.50 S1 33.00° » « @ 197.50 Very fine grained, disseminated py 0.10-1.00% »				
		« @ 197.74 D1 82.00° »				
		197.78 212.34 GPHY	198.24	199.64	M273559	1.40
		Green phyllitic, locally grading to latter zones/intervals of TPHY. Good (S1) sedimentary fabric with common fractures along this surface, D1 commonly cross-cuts this at a high angle.	199.64	201.10	M273560	1.46
			199.64	201.10	M273561	1.46
			201.10	202.69	M273562	1.59
		« @ 198.24 Fracture foliation (D1?) 24.00° »	202.69	204.20	M273563	1.51
		« @ 198.65 D1 45.00° »	204.20	205.74	M273564	1.54
		« @ 198.71 S1 25.00° »	205.74	207.23	M273565	1.49
		Note: Laminations on mm to cm scale, intense to moderate chlorite and sericite alteration commonly grading into one another. Local TPHY particularly around quartz/quartz pyrite veinlets	207.23	208.79	M273566	1.56
			208.79	210.09	M273567	1.30
			210.09	211.15	M273568	1.06
		« @ 198.78 D1 (fracture foliation) 75.00° »	211.15	212.33	M273569	1.18
		« @ 199.64 D1 70.00° » « @ 199.64 S1 30.00° »				
		« @ 200.15 S1 45.00° »				
		« @ 201.10 D1 74.00° » « @ 201.10 S1 33.00° »				
		« @ 201.48 S1 40.00° »				
		« @ 201.58 Carbonate Veinlet 20.00° 2.00mm »				
		« @ 202.43 Pyrite/Quartz vein 40.00° »				
		« @ 202.61 Cross cutting foliation py 90.00° »				
		« @ 203.20 Minor slip parallel to core axis (D1) 18.00° »				
		« 202.69- 203.64 Minor Quartz veinlets 25.00-50.00° »				
		« 203.60- 203.64 Minor interval TPHY 61.00° »				
		-bounded on either side by quartz veinlets				
		« @ 204.22 Foliation 55.00° »				
		« 204.30- 206.41 TPHY 30.00° »				
		-associated with an increase in quartz veining/veinlets				
		« @ 204.69 veinlet of quartz and py 58.00-60.00° », surrounded by darker sericite alteration				
		« @ 205.90 dark sericite alteration in a vein of py 80.00° »				
		« @ 207.05 Foliation (S1) 30.00° »				
		« @ 207.38 Quartz vein with minor py 50.00° »				
		« @ 208.40 Quartz veinlet »				
		« Interval along quartz vein TPHY 55.00° »				
		« @ 210.50 S1 38.00° » « @ 210.50 D1 68.00° »				
		minor crenulated/mottled				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 211.00- 211.04 Healed fault, with displacement 15.00° 2.00cm » « arsenopyrite 1.00% » « Py 3.00% » -possibly chalcopyrite all contained within fault				
		212.34 216.75 TPHY Tan phyllite with 3 units of coursening down hole into a course grained quartzite. (intervals @ 212.34-213.22; 213.22-215.43, 215.43-216.75). Some grading into GPHY at the fine grained end of each interval associated with a lack of quartz veins.	212.33	213.22	M273570	0.00
			213.22	213.89	M273571	0.67
			213.89	215.43	M273572	1.54
			215.43	216.75	M273573	1.32
		« @ 212.19 Quartz with py 50.00° 1.00cm » -with dark altered phyllite « 212.95- 212.97 dark, altered phyllite with py 70.00° » « 213.04- 213.09 Very course grained quartzite » « @ 213.89 S1 62.00° » « @ 214.57 D1 66.00° » « @ 214.99 Quartz veinlets 50.00° » « @ 215.43 very minor gouge along slip » « @ 215.68 Gouge/shear, very crumbly 40.00° 4.00cm » « 216.51- 216.53 Slightly boudinaged/distorted quartz vein »				
		216.75 219.61 GPHY Green phyllite becoming argillitic at bottom of interval. Generally this lacks the abundance of small quartz veins/veinlets seen in above interval. Very good (S1), splitting along (S1) is abundant.	216.75	218.20	M273574	1.45
			218.20	219.61	M273575	1.41
		« @ 217.65 Quartz vein 10.00° 1.00cm » -appears to slightly distort foliation along its edges « 218.16- 218.20 Boudinage along with a small quartz vein siderite 67.00° » « @ 218.30 D1 (fracture) with minor gouge 50.00° » « @ 219.01 Beginning of minor ARGL » -mottled and mixed with GPHY, also argillitic stingers « @ 219.45 Quartz veinlet 45.00° »				
		219.61 220.47 GARG Black and mostly graphitic, especially approaching fault -upper contact at 76 deg. -well banded with thin siltstone interbands, more massive with depth « @ 219.70 S1 banding 60.00-70.00° » « @ 219.93 gouge/micro fault 50.00° » -lower contact lost in lower fault gouge				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
220.47	220.56	FLT/GARG				
		Fault gouge with transition from graphitic argillite above and siderite below, at 66 deg.	219.61	220.56	M273576	0.00
220.56	222.29	SID	220.56	221.48	M273577	0.92
		Yellow-black siderite alteration. Brecciated/faulted upper contact @66-70 deg.	221.48	222.29	M273578	0.81
		« 220.56- 220.60 Cemented SID breccia, graphitic with lower contact 50.00° »				
		-intense carbonate plus/minus quartz veining at numerous orientations				
		-mostly prevalent are 2-5mm off white veinlets @ 20-30 deg. (V1).				
		-@ 90 deg. to V1 are carbonate and pyrite veinlets				
		« py 4.00% » « aspy 1.00-2.00% »				
		« @ 221.55 V1 veinlets 30.00° » « @ 221.55 pyrite, arsenopyrite, quartz veinlets 140.00° »				
		-any laminations is roughly parallel to mineralized veinlets				
		« @ 222.29 Lower contact gradational 60.00° »				
		-along lamination/bedding				
222.29	222.85	ARGL	222.29	222.85	M273579	0.56
		Similar to graphitic argillite above with out graphite.				
		« Foliation 54.00-65.00° »				
222.85	226.50	TPHY	222.85	224.03	M273580	1.18
		to (GPHY), as above, well laminated.	222.85	224.03	M273581	1.18
			224.03	225.31	M273582	1.28
		« 223.17- 223.20 Quartz carbonate veinlet (upper/lower cnt) 56.00-80.00° »	225.31	226.50	M273583	1.19
		« @ 224.16 S1 foliation 61.00° »				
		« @ 224.88 S1 foliation 64.00° »				
		« 225.36- 225.38 Quartz/Quartz pyrite vein set 50.00° » are 90 deg. to (S1).				
		« increased disseminated in quartzose py 0.10-3.00% »				
		-in bands parallel to S1				
		-lower contact lost				
		Towards lower contact, fracture filling quartz veinlet set at 60deg. with (S1) at 70-80 deg.				
226.50	245.31	QVSX	226.50	227.86	M273584	1.36
		Medium to dark brown, silicified quartz and locally PHY/ARGL	227.86	229.38	M273585	1.52

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Common quartz veins/veinlets and pyrite and arsenopyrite veins	229.38	230.86	M273586	1.48
		Common medium grained disseminated pyrite in most altered zones	230.86	232.33	M273587	1.47
		-initially 2-5% pyrite and 1-3% arsenopyrite	232.33	233.40	M273588	1.07
			233.40	234.39	M273589	0.99
		« 226.83- 226.95 Local intervals of TPHY 70.00°»	234.39	235.70	M273590	1.31
		« 227.07- 227.10 Quartz vein 31.00°»	235.70	236.82	M273591	1.12
		« @ 227.12 vein, medium grained aspy 40.00-55.00° »	236.82	238.30	M273592	1.48
		-arsenopyrite slightly disseminated into quartzite, medium grained to fine grained	238.30	239.27	M273593	0.97
			239.27	240.65	M273594	1.38
		-thick quartz vein first, mineralization second	240.65	241.78	M273595	1.13
		« @ 227.52 Quartz veinlet 20.00° 1.00cm »	241.78	242.98	M273596	1.20
		-90 deg. to quartz vein	242.98	243.65	M273597	0.67
			243.65	243.91	M273598	0.26
		« @ 227.60 aspy veinlet 20.00 0.50cm »	243.91	244.67	M273599	0.76
		« 227.86- 229.16 High fractured zone of (quartzite) QVSX 36.00-50.00°»	244.67	245.31	M273600	0.64
		-with yellow carbonate (SID) infilling	244.67	245.31	M273601	0.64
		« common veinlets of aspy »				
		« 228.73- 228.78 cpy 2.00%»				
		« 228.85- 228.90 Sulphide veinlets, silicified »				
		« 229.16- 229.38 Upper/Lower contacts are irregular TPHY 75.00°>>				
		« @ 230.18 cmm-mm bands of TPHY 50.00° »				
		« 231.00- 231.01 aspy veinl 26.00°»« slip striations 55.00°»				
		-with white quartz				
		« aspy vein 60.00°»« qtz 38.00%»« py 2.00%»				
		« 231.38- 231.39 veinlet aspy 50.00°»				
		« @ 231.65 Quartz vein 40.00° 2.00mm »				
		« @ 232.25 aspy veinlet 30.00° 4.00mm »				
		« @ 232.26 Quartz veinlet 20.00° 1.00cm »				
		« @ 232.29 Quartz vein 130.00° 0.50cm »				
		« @ 232.41 Foliation of TPHY 60.00° »				
		« 234.39- 235.70 Relatively unmineralized FGSS/TPHY 50.00-70.00°»				
		-local quartz veins (unmineralized) @ 155 deg. (relative to S1).				
		« 234.58- 234.59 Quartz vein 155.00°»				
		« 235.05- 235.06 Quartz vein 157.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 235.70- 236.82 slight increase in disseminated (fine gr.) py » -in quartz and with local veinlets and increased veinlets (sulphides)				
		« 237.40- 237.55 Quartz (white) vein set 70.00° 1.00cm» « local py/aspy 150.00°»				
		« @ 238.30 Graphitic slip 63.00 » « 238.30- 239.27 Poor recovery, possible fault zone 70.00°» -only ~30cm of core, broken with some foug remaining				
		« @ 239.29 Limonite fracture 20.00° » « 239.60- 239.90 Fracture set, locally healed 28.00° 1.00-2.00mm» -common open ("vuggy"), filled with carbonate				
		« @ 240.58 quartz veinlet with py 30.00° 3.00mm » « @ 241.00 Quartz veinlet with py 30.00° 3.00mm »				
		« @ 241.50 Quartz veinlet 40.00° » « @ 241.50 veinlet of py 130.00° » « @ 241.82 Carbonate filled fractures 20.00° » « @ 241.82 Veinlet of py 40.00° ,				
		« @ 242.60 Vein of pyrite, arsenopyrite and quartz 30.00-120.00° » multiple veinlets @ 30 deg., pyrite plus/minus arsenopyrite and quartz				
		« @ 243.05 S1 foliation in TPHY 60.00° » -interbanded with quartzite				
		« @ 243.05 local stringers of py 3.00-4.00% » « 234.39- 236.82 minor QVSX, grey with 20% T/GPHY FGSS » « 236.82- 242.98 QVSX » « 242.98- 243.65 TPHY/QVSX/ FGSS » « 243.65- 243.91 QVSX » « 243.91- 244.67 Grey FGSS » « 244.67- 245.31 QVSX »				
		245.31 247.48 FGSS	245.31	246.86	M273602	1.55
		<i>Fine grained sand stone (with minor GPHY/TPHY)</i>	246.86	247.48	M273603	0.62
		-overall grey with minor local green hue -sandstone is gritty with minor grains, potential way up down hole (overturned). -1 bleb of « 245.83- 245.92 cpy 3.00mm» « 245.46- 245.75 local laminae of GPHY 39.00-50.00°» « series of quartz veinlets 140.00° 3.00-6.00mm» disseminated very fine grained py 0.10-1.00%» « @ 247.48 Lower contact is sharp 63.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
247.48	252.28	GPHY	247.48	247.80	M273604	0.32
		+/- TPHY_	247.80	249.30	M273605	1.50
		Tan phyllite to 247.80	249.30	250.80	M273606	1.50
		« 247.48- 247.55 py 4.00% » « aspy 1.00% »	250.80	252.28	M273607	1.48
		Green phyllite starts at 247.80m, is well foliated/laminated				
		« py 0.11-1.00% »				
		in thin quartz +/- carbonate +/- pyrite veinlets				
		« @ 248.35 S1 foliation 50.00° »				
		« @ 248.88 S1 foliation 63.00° »				
		« @ 250.00 S1 foliation 50.00° »				
		« @ 250.92 S1 foliation 58.00° »				
		« @ 251.80 S1 foliation 55.00° »				
		« 252.17- 252.25 Shear zone with fault gouge of 1.00cm » « in between a				
		carbonate vein 67.00° 3.00cm »				
		Both contacts at 67 deg, and are graphitic				
252.28	253.80	LMST	252.28	253.80	M273608	1.52
		Black to dark grey, well laminated with common calcite veins and veinlets.				
		« py -0.01% »				
		« @ 253.50 Si (fol/lam) 50.00° »				
		@ 252.28 U ctc 67.00° »				
		« @ 253.80 irregular L ctc into gphy w/ cc vnls 50.00° »				
253.80	257.00	GPHY	253.80	255.40	M273609	1.60
			255.40	257.00	M273610	1.60
		Similar to previous description				
		« 253.80- 254.20 TPHY »				
		« 253.80- 257.00 pyrite 0.01-1.00% »				
		« 253.80- 254.00 slightly ggy / shr'd w/ secondary fab 50.00-30.00° »				
		« @ 254.51 fol (S1) w/ def'n (D1) (respectfully) 60.00-30.00° »				
		« @ 255.49 frac fol (S1) 55.00° »				
		« @ 256.68 fol (S1) 55.00° »				
		« @ 256.68 qtz + py vnls (120deg relative to S1) 80.00° 2.00-8.00mm »				
		« @ 257.00 gradational to sharp Lower ctc 60.00° »				
257.00	260.18	LMST	257.00	258.60	M273611	1.60
		As above / previous.	258.60	260.18	M273612	1.58
		« @ 257.56 fol (S1?) 70.00° »				
		« 257.90- 258.00 cb / sid vn w/ tr diss py min'n 40.00° »				
		« @ 258.02 graph slip 15.00° »				
		« 258.73- 258.77 cb qtz vn w/ graph on outer side 50.00° »				
		@ 260.18 Lctc fairly bx'd leading into tphy (gg shr' d) 35.00° »				
260.18	261.48	GPHY	260.18	261.48	M273613	1.30

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		As above description.				
		« 260.18- 260.48 bx lmst - gphy gg; gg to 260.24 shr to 260. 48 60.00-70.00»				
		« @ 261.19 py vn 55.00° 3.00mm »				
		« @ 261.36 S1 fol 60.00° »				
		« @ 261.48 sharp Lctc 63.00° »				
		261.48 269.77 LMST	261.48	263.00	M273614	1.52
		As previous description.	263.00	264.50	M273615	1.50
		Black to dark grey, commonly foliated with frequent x-cutting calcite veinlets / veins.	264.50	266.00	M273616	1.50
		« @ 261.48 sharp U ctc »	266.00	267.50	M273617	1.50
		« @ 261.75 fol 61.00° »	267.50	269.00	M273618	1.50
		« 261.85- 261.87 white cc vn 66.00° »	269.00	269.77	M273619	0.77
		« @ 262.30 locally graphitic, especially on slip faces 60.00° »				
		« 263.20- 263.38 cb vn w/ py, irregular 0.01-1.00% »				
		« @ 262.37 fol (S1?) 62.00° »				
		« @ 264.50 fol (S1?) 63.00° »				
		« @ 265.30 fol (S1?) 62.00° »				
		« @ 266.80 frac fol / S1 defn, (S1 26 deg + D1 55 deg) 26.00-55.00° »				
		« 267.02- 267.11 cc vn w/ frags of lmst 45.00° » « py in cc vn 1.00% »				
		« @ 267.40 D1 w/ S1 (respectfully) 24.00-65.00° »				
		« 268.55- 268.85 white cc vnlt pairs 23.00° »				
		« @ 269.10 white cc vnlt pairs 150.00° »				
		« @ 269.77 sharp L ctc 80.00° »				
		269.77 281.94 GPHY	269.77	271.25	M273620	1.48
			269.77	271.25	M273621	1.48
		Green phyllite	271.25	272.80	M273622	1.55
		Overall very minor sulfides present « py 0.10-0.10% » « aspy 0.01-0.10% »	272.80	274.30	M273623	1.50
		Several minor faults and slip faces.	274.30	275.84	M273624	1.54
		« @ 269.83 fol 75.00° »	275.84	277.34	M273625	1.50
		« @ 269.87 micro flt 60.00° »	277.34	278.89	M273626	1.55
		« 269.93- 270.03 py vnlt / blebs 90.00° » « @ 270.20 mnrl flt 45.00° »	278.89	280.34	M273627	1.45
		« @ 270.50 qzvn w/ mnrl py 60.00° 1.00cm »	280.34	281.94	M273628	1.60
		« 270.62- 270.68 flt zn, ggy + frac'd 59.00° »				
		« @ 271.28 slip face 59.00° »				
		« 271.43- 271.45 mnrl flt zn 68.00° »				
		« @ 271.52 qzvn w/ py (5%) 35.00° »				
		« @ 271.63 py vnlt 84.00° »				
		« @ 271.73 mnrl flt 32.00° »				
		« 271.93- 272.00 qtz / py vn 30.00% » « qtz / py vn 60.00-80.00° »				

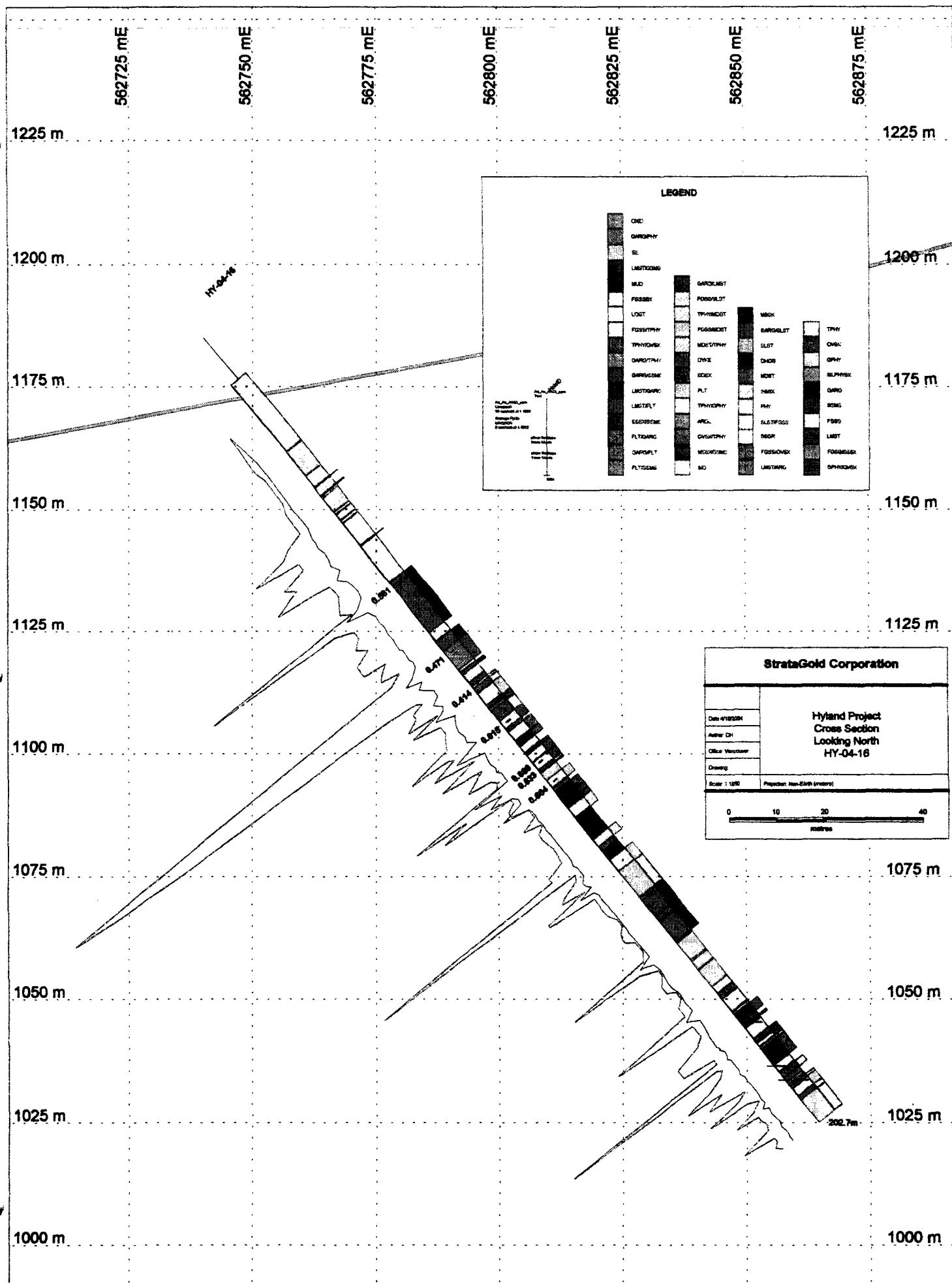
Project: Hyland 2004 Logger

Hole Number: HY-04-15

From	To	Rocktype & Description	S_from	S_to	Sample	Width
	@ 272.14	qtz / py vn 20.00° 0.50cm ›				
	@ 272.55	slip face 45.00° ›				
	@ 272.61	slip face 53.00° ›				
	« 272.73- 272.85	qtz / py vnltls / blebs 50.00%»				
	@ 273.10	mnr flt 33.00° ›				
	@ 273.22	slip face 59.00° › @ 273.33 fol 25.00° ›				
	« 273.65- 273.70	flt zn w/ gg + frac 75.00 - 65.00°»				
	@ 274.80	fol 80.00° ›				
	@ 275.41	mnr flt 80.00° ›				
	@ 276.35	qzv n 30.00° ›				
	« 276.35- 277.32	flt zn, ghpy is intensely frac'd w/in zn 0.01° 1.50-3.00cm»				
	@ 276.43	qzv n w/ py + sph 50.00-10.00% ›				
	@ 276.52	qzv n w/ py + sph 10.00-50.00% ›				
	« 276.96- 277.01	2 qzv n 35.00-45.00° 2.00mm»				
	@ 277.32	qzv n w/ py bleb 45.00° 0.50cm ›				
	« 278.29- 278.44	set of 3 qzv n's 45.00-60.00°»				
	@ 278.70	fol 53.00° ›				
	@ 279.10	crenulated foliation 5.00° ›				
	« 279.74- 279.85	qzv n w/ py + sph 65.00-85.00° 1.00-2.00mm»				
	@ 280.35	fol 47.00° ›				
	@ 280.77	grad change into dk gy phy PHY ›				
	« 281.05- 281.28	grad change back into gphy then phy again GPHY »				
	@ 281.90	fol 30.00° ›				
	@ 281.94	E.O.H. ›				
	281.94	281.94 EOH				

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	10.97	lw casing				
10.97	19.00	FGSS Very poor core recovery, less than 20cm total. Fragments and rubble. FGSS, moderately silicified, well washed and hematite/limonite staining mostly lost. Trace disseminated pyrite, 5% weathered pyrite cubes.				
		Not Sampled				
19.00	19.81	FGSS Orange-brown, highly altered. Very common hematite/limonite altered on fractures, locally completely oxidized. Trace to 1% disseminated fine grained and veined pyrite. Highly fractured and brecciated with fractures healed with limonite.	19.00	19.81	M273629	0.81
19.81	22.86	Lost Core No recovery				
22.86	25.91	FGSS Very poor recovery, a handful of pebbles. Similar to above (FGSS).				
25.91	28.80	FGSS Light to medium brown, much less altered than previous. Bleached, moderately silicified, commonly black to very dark brown fractured surfaces and veinlets, well oxidized. Very blocky fragments, poor recovery.	25.91	28.00	M273630	2.09
		« @ 26.10 Oxidized veinlets of py 24.00° » « @ 26.30 oxidized veinlets of py 28.00° » « 26.60- 26.76 White, unmineralized quartz vein 27.00° » « 26.90- 27.15 White Quartz (no structure) » « 28.50- 28.80 White quartz (no structure) »	28.00	28.80	M273631	0.80
		Upper contact lost-rubble				
28.80	35.00	GPHY Light green and weakly chloritized.	28.80	32.00	M273632	3.20
		« 28.80- 29.00 Well foliated TPHY » -poor recovery, no visible mineralization « @ 29.50 S1 foliation/lineation 85.00° » -common limonite on fracture surfaces « @ 31.00 Foliation/fracture 64.00° » - < 0.5m of core to 32.00m « @ 34.80 Carbonate veinlet 64.00° 2.00mm » approximately parallel to S1	32.00	35.00	M273633	3.00

From	To	Rocktype & Description	S_from	S_to	Sample	Width
35.00	45.03	TPHY	35.00	38.10	M273634	3.10
		with minor 10-20cm intervals of weak chlorite alteration)	38.10	39.65	M273635	1.55
		Strong to moderate sericite alteration, well foliated with frequent limonite on fracture surfaces (weak oxidation). Good recovery, relatively.	39.65	41.15	M273636	1.50
		« 37.95- 38.05 gouge, no angle observed, possible fault »	41.15	42.65	M273637	1.50
		« 38.30- 38.31 Yellow Fault gouge 13.00° »	42.65	44.20	M273638	1.55
		« @ 38.35 Fracture foliation 70.00° »	44.20	45.03	M273639	0.83
		-90 deg to fault				
		« @ 38.80 Foliation 54.00° »				
		Locally pyritic, likely veinlets to disseminations, fragments. Overall soft, sericitized and un silicified, highly fracturable and crumbly.				
		Potential faults at 39.98-40.03 and 40.20-40.24, gouge.				
		« @ 40.65 S1 foliation 55.00 » « @ 40.65 D1 fracture/foliation (angle to S1) 20.00-65.00° »				
		« 41.20- 41.22 Fault gouge / brecciation 20.00° »				
		« @ 41.50 Fracture foliation (wavy) 38.00° »				
		« @ 42.12 Fracture/brecciation or shear 40.00° »				
		« @ 44.15 Foliation 73.00° »				
		« 40.63- 44.38 Transition Zone TPHY/GPHY 0° »				
		@ 44.30 Foliation 80.00° »				
		« @ 44.35 Foliation 43.00° »				
		« 44.80- 45.03 Foliation with a vein of py 40.00-50.00° 2.00mm » with quartz at 30 degrees.				
		Gouge at bottom, though lower contact lost.				
45.03	46.50	FGSS	45.03	46.50	M273640	1.47
		Quartz, medium grey and slightly brown (+/- sericite). 4% pyrite veinlets (no visible arsenopyrite) and blebs, medium grained, locally disseminated, moderately silicified. Weak foliation (phyllite interbands) at 63 degree. Irregular mineralization, local vuggy fractures with hematite. Likely lost core at upper contact (rubble).	45.03	46.50	M273641	1.47
46.50	47.24	TPHY	46.50	47.24	M273642	0.74
		as above, light brown and weakly oxidized locally, well foliated and with moderate pyrite veining.				
		« 46.60- 46.67 Cemented breccia with carbonate veinlet 70.00-80.00° »				
		-potential fault-shear zone				
		« 46.98- 47.00 vein of py 65.00° »				
		poorly/not silicified, strongly sericitized				
		« @ 47.20 S1 foliation 79.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Lower contact at 80 degrees.				
		47.24 62.48 FGSS	47.24	48.93	M273643	1.69
		Commonly pyritic with multiple pyrite and quartz veinlets.	48.93	50.29	M273644	1.36
		« 47.32- 47.34 Quartz (white) and pyrite vein 50.00° »	50.29	51.80	M273645	1.51
		« 47.53- 47.64 Rubble TPHY 0° »	51.80	53.34	M273646	1.54
		Quartz, locally vuggy, potential healed fractures.	53.34	55.17	M273647	1.83
			55.17	56.39	M273648	1.22
		« 48.55- 48.73 Rubble 0° » « @ 48.75 Foliation in TPHY 73.00° »	56.39	57.90	M273649	1.51
		« 49.43- 49.62 Thin to vuggy quartz filled veinlets 65.00° 1.00mm »	57.90	59.44	M273650	1.54
		« @ 49.87 Thin TPHY 80.00° »	59.44	60.96	M273651	1.52
		« 49.91- 49.92 Gouge 80.00° »	60.96	62.48	M273652	1.52
		« 50.65- 50.80 veinlets of py 60.00° 1.00mm »				
		Increasingly silicified down hole. Common 5-10cm TPHY intervals/bands commonly				
		with thin pyrite interbands/veins				
		« 51.18- 51.52 TPHY » « Veinlets of py » « S1 25.00° » « D1 60.00° » « @ 51.38 S1 with thin laminae of py 30.00° »				
		« 51.52- 51.90 Minimal increase in py veinlets/laminae 60.00° »				
		Local crenulation folding as above with « S1 -25.00° » « D1 60.00-70.00° »				
		« @ 52.78 contact between ARGL/TPHY interval is wavy at 35.00° 10.00cm » « @ 52.78 Shear 20.00° »				
		« 52.90- 53.00 Foliation SILPHYSX 65.00° » « moderately silicified py »				
		-dark brown ARGL/PHY reduced to rubble/fragments at lower contact				
		« 53.00- 53.25 Rubble, potential shear zone »				
		« @ 53.75 laminae/bands of py 70.00° 2.00mm »				
		@ 53.58 - 2 fracture sets-healed				
		1 @ 0 deg., running length of core				
		2 @ 50 deg., 2-3mm wide, banding (possible S1) and pyritic				
		« @ 54.10 Foliation/S1 of TPHY 70.00° »				
		« 54.46- 64.90 Fractures every 5-10cm, locally healed 55.00° »				
		-decrease in pyrite content from 5-10% to <3%.				
		-grainy and relatively unmineralized (~3%) in thin stringers/veinlets/laminae.				
		« 55.66- 55.67 White quartz-carbonate vein 40.00° »				
		« @ 56.21 S1 foliation of thin TPHY 70.00° »				
		-continued medium to light grey quartz with frequent TPHY-ARGL interbands (<10%)				
		@ 57.24 S1 foliation in quartz (of argillic laminae) 70.00° »				
		« 57.25- 57.26 Wavy TPHY 86.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		◁ @ 59.54 ARGL in quartzite, Foliation (S1) 70.00° ▷				
		◁ @ 59.55 Fracture 30.00° ▷				
		◁ @ 60.80 Foliation 70.00-80.00° ▷				
		◁ 61.10- 61.20 Slightly more pyritic interval of TPHY 60.00° ▷				
		-with ARGL				
		◁ 61.30- 62.00 Broken Core ▷				
		-lower contact lost at block				
		62.48 75.85 ARGL	62.48	63.57	M273653	1.09
		Argillite to Graphitic Argillite (GARG) locally.	63.57	64.00	M273654	0.43
		Black to dark grey, locally interbanded with thin quartz intervals. Initially	64.00	65.53	M273655	1.53
		1-3% disseminated and laminated pyrite, increasing down hole. Commonly	65.53	67.07	M273656	1.54
		sheared, locally silicified, initially dark brown for 15cm at upper contact	67.07	68.58	M273657	1.51
		with 10% fine grained pyrite, disseminated (MDST).	68.58	70.10	M273658	1.52
		◁ @ 62.71 Foliation 69.00° ▷	70.10	71.63	M273659	1.53
		◁ 62.81- 63.15 Broken core with local shear ▷	71.63	73.13	M273660	1.50
		◁ 63.25- 63.31 Different structure shear zone ▷	71.63	73.13	M273661	1.50
		◁ @ 63.50 Foliation 60.00° ▷	73.13	74.68	M273662	1.55
		◁ 63.57- 64.00 Dark brown, silicified breccia, brecciated fragments	74.68	75.85	M273663	1.17
		cemented with »◁ black mudstone and semi-massive py (very fine grained) »				
		◁ @ 63.70 Slip 36.00° ▷				
		Potential bottom contact @ 54 deg., otherwise massive and no structure.				
		Potential Fault. Core below moderately mineralized. Dark brown				
		intervals/bands to 64.05m, SILPHYSX-ish (dark brown, silicified and				
		sulphidized)				
		◁ @ 63.95 Foliation (S1) 40.00° ▷				
		◁ @ 64.00 S1 70.00° ▷				
		◁ 64.33- 64.34 Shear breccia 75.00° ▷				
		◁ @ 64.45 S1 foliation 45.00° ▷				
		◁ @ 65.66 S1 50.00° ▷ ◁ @ 65.66 D1 (deformation) 24.00° ▷				
		◁ @ 66.35 S1/D1 22.00° ▷				
		◁ @ 66.70 S1 with D1 fracture foliation 25.00° ▷				
		◁ @ 67.00 S1 26.00° ▷				
		◁ @ 67.00 D1 50.00° ▷				
		◁ @ 68.02 S1 60.00° ▷				
		◁ @ 68.58 S1 60.00° ▷ ◁ @ 68.58 D1 25.00° ▷				
		◁ @ 70.00 S1 65.00° ▷				
		◁ @ 70.00 D1 25.00° ▷				
		◁ @ 70.50 Slip/Fracture 30.00° ▷				
		◁ @ 70.53 quartz py veinlet 32.00° 2.00mm ▷				
		◁ 71.13- 71.14 Shear 65.00° ▷				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 71.29- 71.30 Shear 65.00°»				
		Weak, thin and irregular carbonate (<1mm) veinlets, disseminated throughout.				
		« 72.26- 72.49 Increase in py 20.00°»				
		-disseminated in thin veinlets/bands slightly more silicified here and dark to medium grey at 60 deg.				
		« 72.56- 72.57 Slip/Shear, fragemented 50.00°»				
		Multiple shear, micro-fault zones at 60-65 deg.				
		-73.64-73.65m				
		-73.94-73.95				
		-74.19-74.20				
		-74.82-74.83 (@ 70 deg.)				
		Increasingly Graphitic Argillite (GARG) in shear zones				
		« @ 75.21 Foliation 70.00° »				
		« 74.98- 74.99 Carbonate and py vein 20.00%» at 20 deg.				
		75.85 78.11 FGSS	75.85	77.38	M273664	1.53
		Fine grained sandstone (Quartzite) dominently with local ARGL/GARG intervals.	77.38	78.11	M273665	0.73
		Light to medium grey, relatively silicified, common open "vuggy" fracture sets.				
		2-4% disseminated pyrite and thin stringers.				
		« @ 75.88 Slip face 50.00° »				
		« 75.89- 75.90 Dark brown/tan interval (alternating MDST), silicified 40.00-45.00°»				
		Similar, thinner intervals throughout Quartz (<10%), generally well mineralized (up to 7%).				
		« 76.00- 77.00 Open and healed fractures 12.00°»				
		« 77.96- 78.06 Quartz interval with py stringers/disseminations 20.00%»				
		Lower contact @ 80 deg./Upper contact @ 33 deg. to shear/micro-fault zone.				
		78.11 80.57 ARGL	78.11	78.97	M273666	0.86
		ARGL/GARG, as previous	78.97	80.57	M273667	1.60
		« 78.11- 78.12 Micro-fault with gouge 23.00°»				
		« 78.17- 78.21 Micr-fault 30.00-60.00°»				
		« 78.28- 78.31 Micro-fault 30.00-60.00°»				
		Graphitic				
		« 78.47- 78.66 gouge FLT/GARG 59.00°»				
		« 78.71- 78.74 gouge FLT/GARG 59.00°»				
		« 78.93- 78.97 FLT/GARG 52.00°»				
		« 79.64- 80.04 (lost core? poor recovery?) Gouge 80.00°»				
		« 80.48- 80.57 Shear/Fault zone with quartz/carbonate veins 83.00-65.00°»				
		« Increasingly py 83.00-65.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
80.57	85.46	SILPHYSX Very sulphidized and moderately-lightly silicified. Black to dark grey to dark tan, common silicified and sulphidized. Intervals in between black/grey/brown argillite/bands. Intensely folded through relatively well silicified, secondary pyrite-quartz veins?	80.57	81.60	M273668	1.03
			81.60	82.31	M273669	0.71
			82.31	83.44	M273670	1.13
			83.44	84.34	M273671	0.90
			84.34	85.46	M273672	1.12
		« 80.68- 80.75 Folded quartz/pyrite vein, hinge »				
		« @ 80.80 Wavy vein of white quartz and py 20.00-30.00° »				
		« @ 80.85 S1 75.00-80.00° » « @ 80.85 strong D1 -5.00° » (due to quartz influx? vein with sulphides)				
		« 81.60- 82.85 Intense fine grained disseminated py » « Banding/foliation 40.00-50.00° »				
		-in ligh (quartzose) and black to dark brown (ARGL +/- GARG) zones. Local sericite alteration interlayered with black argillite zones, both with similar pyrite content. Common light green carbonate on open fracture surfaces.??				
		« @ 84.23 fol (argl) 69.00° »				
		« 84.23- 84.34 frac core, possibly slip / shr »				
		« 84.34- 85.46 sim as above silphylsx, more silica, more def'n, shr'ing 5.00° »				
		« 85.16- 85.20 FLT / SHR gg 40.00° »				
		« 85.35- 85.36 SHR 38.00° »				
		« 85.45- 85.46 L ctc w/ SHR gg 65.00° »				
85.46	86.19	FGSS Light grey FGSS(?), quartzite, may be grit interval, appears courser grained, « diss py stringers 2.00-3.00% » « multiple healed frac w/ pale gm carb lining 25.00° »	85.46	86.19	M273673	0.73
		« @ 86.19 L ctc 28.00° »				
86.19	86.87	ARGLIGARG Argillite/Garphitic argillite with 2% disseminated pyrite. Turbulance continued as previous. Well laminated, moderately deformed.	86.19	86.87	M273674	0.68
		« @ 86.68 Foliation (S1) 66.00° »				
		« 86.78- 86.87 Graphitic Gouge 55.00° »				
86.87	88.94	FGSS Fin grained sandstone-quartzite. Medium grey, relatively less deformed. Quartz-pyrite stringer at 30-40 deg to CA.	86.87	87.40	M273675	0.53
			87.40	88.94	M273676	1.54
		« 87.40- 87.44 Interval of ARGL 71.00-60.00° » « local py »				
		In quartz local dark tan zones. Overall very silicified and locally nearly				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		QVSX with multiple pyrite-quartz (+/- Arsenopyrite)				
		@ 87.08 Fracture/foliation 41.00°				
		@ 87.30 Fracture/foliation 55.00°				
		« 88.70- 88.90 Aspy 6.00%»« py 6.00%»« with large blebs of quartz »				
		@ 88.94 lower contact with ARGL 66.00°				
		88.94 89.92 ARGL	88.94	89.92	M273677	0.98
		Black, silicified and pyritic. Similar to previous intervals though more pyrite in 1-2mm veinlets and quartz veins.				
		« 89.20- 89.22 Interval with cross-cutting qtzt 30.00°»« and veinlets of py 80.00°»« Foliation 30.00°»				
		@ 89.92 Lower contact 65.00°				
		89.92 98.73 FGSS	89.92	90.45	M273678	0.53
		Fine grained sandstone to Sandstone gritt. Quartzite interval. Medium to light grey, most silicified adjacent of mineralization. (local SSMS bands).	90.45	91.70	M273679	1.25
			91.70	93.20	M273680	1.50
			91.70	93.20	M273681	1.50
		« 90.13- 90.14 Graphitic (ARGL/GARG) shear 55.00°»	93.20	94.76	M273682	1.56
		« 90.22- 90.54 SSGR with graines that are 3.00-5.00mm»« weak foliation 80.00°»	94.76	96.17	M273683	1.41
		-does not appear to be brecciated, Fining down.	96.17	97.80	M273684	1.63
		« 90.45- 90.56 thin bands of aspy 60.00° 2.00-6.00mm»« and py 60.00° 2.00-6.00mm»	97.80	98.73	M273685	0.93
		« 90.45- 91.70 potential zone of QVSX »				
		-with multiple sulphide intervals, though not with dark-tan alteration (medium grey), locally dark tan.				
		« 91.13- 91.14 Vein of Carbonate 50.00°»				
		« 91.22- 91.23 Vein of Carbonate 70.00°»				
		91.23-91.26 « MSSX py »				
		« 91.60- 91.70 veinlets of py 60.00-70.00° 2.00-3.00mm»				
		« 91.70- 91.90 Black argillite bands in FGSS 70.00°»				
		« 91.90- 92.60 intially SSGR and fines down to FGSS »« py 0.50%»				
		@ 92.71 Slip face 20.00° x @ 92.71 Lineation 30.00°				
		« 93.75- 93.79 intense veining of py 60.00°», SSMS				
		« 93.79- 94.01 stinger and veins of py 60.00-70.00°»« "vuggy" fractures 0.00°»				
		@ 93.79 contact with ARGL 80.00°				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 94.67- 94.69 Disseminated py 25.00%»« in ARGL with foliation 55.00°»				
		« 94.76- 98.73 ARGL/GARG 70.00%» with 30% FGSS intervals, locally graphitic. Black to grey, locally moderately silicified. « generally py 2.00-4.00%»« local py 30.00%»				
		« 94.76- 95.35 broken/lost core initially gouge, possible Fault 50.00°» -graphitic				
		« 95.66- 96.17 Faulting/Shear 70.00-80.00°»« at bottom there is gouge 2.00cm» -local gouge and fractured/brecciated core, almost rubble < @ 96.25 Argillite with banding/ foliation (S1) 63.00° > < @ 95.66 Quartzose bands/ FGSS with S1 60.00° » @ 95.66 Fracture/foliation 140.00-150.00° >				
		« 97.60- 97.80 Quartzose band/FGSS with S1 60.00°»« with cross-cutting fracture/foliation (vuggy as above) 140.00°» Lower contact with ARGL at 70 deg. with argillite foliation at 90 deg. to contact at 50 deg. (S1)				
		« 98.08- 98.13 Quartz bands, quartz vein or ss interval py 50.00°» -1 mm micro fault running down middle of core with 2mm slip. -lower contact faulted (2cm) and irregular (gouge) at ~80 deg. TCA.				
		98.73 103.92 FGSS Fine grained sandstone/quartzite. Light to medium grey with ~10-15% argillite intervals. Generally 2-4% pyrite stringers and disseminations, locally up to ~25%.	98.73	99.06	M273686	0.33
			99.06	99.81	M273687	0.75
			99.81	101.51	M273688	1.70
			101.51	102.79	M273689	1.28
			102.79	103.92	M273690	1.13
		« 98.73- 99.04 Quartzose interval with tan partings/bands 10.00%»« quartz stringers (S1) and py 45.00°»« quartz veinlets and carbonate veinlets 150.00°» < @ 99.06 Graphitic slip 30.00° >				
		« 99.15- 99.25 Banding 30.00-40.00°» -argillite grading from silty to sandy, turbulent. @ 100.25 Foliation (S1) 40.00° > «103.35- 100.81 Core is broken gougy 50.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 100.81- 101.51 Potential QVSX » Slightly darker grey with dark tan ARGL/PHYL and higher silicification. « py 8.00-18.00% » « aspy 2.00-4.00% » -in stringers-SSMS -vuggy « Quartz Veinlets 30.00° » good potential GOLD.				
		« 101.51- 102.79 bLAND FGSS » « Slightly gritty py 1.00-2.00% » « 102.79- 102.90 Series of veinlets of py 40.00° » « D1 fabric 20.00° » « Dark tan PHY » (potential QVSX) « base is Sheared 50.00° » « 103.00- 103.92 Quartz with multiple grey veinlets of quartz » -poorly mineralized (4%), appears "pock marked" with sub to minimal red blebs « Carbonate/Siderite Alteration 5.00% » « Foliation 40.00 » (@ 103.92 Bottom contact to Fault at 80.00°)				
		103.92 105.39 ARGL/GARG with FGSS intervals, turbulent and moderately deformed/sheared and poorly mineralized. « 103.92- 104.13 Black graphitic Fault zone with gouge and shear 101.00° » « Secondary fractures 140.00° » (@ 104.36 Graphitic slip 25.00°) (@ 104.64 Foliation Fabric 60.00-70.00°) « 105.16- 105.39 Shear 50.00-65.00° » « Mild Carbonate/Siderite alteration »	103.92	105.39	M273691	1.47
		105.39 107.06 FGSS Fine Grained Sandstone/Quartzite with ARGL/GARG. Weak carbonate alteration (yellow tint).	105.39	106.36	M273692	0.97
			106.36	107.06	M273693	0.70
		« 105.48- 105.50 Graphitic Argillite Shear 50.00° » « 105.74- 105.75 Down length of core is a Fault 5.00-10.00° » -gougy to shear (@ 106.13 Foliation (S1) 20.00°) « 106.36- 107.06 Slightly more pyritic with increased dark tan local foliation 5.00% » Weak QVSX? « py 3.00-5.00% » « pyrite stringers/veinlets foliation at 35.00° » (@ 107.06 Bottom Contact 50.00°)				
		107.06 107.67 ARGL/GARG Argillite/Graphitic Argillite with 15% Fine grained Sandstone.. Black, quite	107.06	107.67	M273694	0.61

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		massive, similar to previous. « Veinlets of py 2.00-3.00% »				
		« 107.08- 107.09 Quartz vein with py 5.00% » « Quart Vein 50.00° »				
		« 107.40- 107.45 Quartz-Carbonate Vein 50.00° »				
		« 107.45- 107.67 Weak Shearing 20.00-45.00° »				
		107.67 112.31 FGSS	107.67	109.05	M273695	1.38
		Fine grained Sandstone, quartzite. Locally grading to medium to course grained sandstone gritt. Appears to be coarsening down/fining up sequences.	109.05	109.62	M273696	0.57
			109.62	110.40	M273697	0.78
			110.40	111.54	M273698	1.14
			111.54	112.31	M273699	0.77
		« 108.08- 108.10 unmineralized Grey Quartz vein 60.00° »				
		« @ 108.31 Contact between grey quartz and a lower mixed, slightly phyllitic quartz 70.00° »				
		« @ 108.60 Foliation of quartz (+/- PHYL) 30.00° » « @ 108.60 with quartz and pyrite veinlets 30.00° 2.00mm » « @ 108.60 Foliation 32.00° »				
		« 109.05- 109.21 Black GARG »				
		« 109.05- 109.13 Sheared with S1 50.00° » « D1 20.00° »				
		« 109.50- 109.62 Fault gouge (medium grey) 70.00-80.00° »				
		-quartz gouge				
		« 109.62- 112.31 Moderate to increased py veining and stringers »				
		locally similar to QVSX with dark brown altered phyllite and very course grained pyrite (u to 1 cm cubes)				
		« Foliation with potential py 30.00° »				
		« @ 109.98 Weak laminations/ foliations in quartzite 40.00° »				
		« @ 110.40 Foliation with py 20.00-30.00° »				
		« 111.54- 112.11 Medium to dark tan, pyritic, similar to prev QVSX »				
		« py 5.00-10.00% »				
		« aspy 2.00-4.00% »				
		Some lost core				
		112.31 114.13 SSGR	112.31	113.00	M273700	0.69
		Sandstone Grit - True Hyland Grit Unit	112.31	113.00	M273701	0.69
		Light grey sandstone grit with « Medium grained disseminated py 0.50-2.00% »	113.00	114.13	M273702	1.13
		-light grey grit 1-3mm				
		« Weak foliation 55.00° »				
		-lost upper contact				
		« Lower contact 45.00° » with argillite				
		-Finning Down??				
		114.13 116.05 FGSS	114.13	115.14	M273703	1.01
		FGSS/SSGR	115.14	116.05	M273704	0.91
		Medium grey (more argillic), similar to above.				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		-local <1cm argillite intervals @ 40 deg. (ie: 114.70) with pyrite mineralizations/veinlets				
		« 114.90- 115.62 Multiple white (unmineralized) quartz veinlets 40.00-50.00°»				
		« @ 115.62 Gouged and brecciated quartz 28.00° 1.00cm »				
		116.05 121.22 ARGL/GARG	116.05	116.99	M273705	0.94
		(+/- Siltstone and Fine grained sandstone)	116.99	117.78	M273706	0.79
		-Black to dark grey ARGL interbanded with and locally grading to siltstone and fine grained sandstone. Common good S1-bedding. Poorly mineralized.	117.78	119.03	M273707	1.25
		« 116.05- 116.99 Graphitic.Locally pyritic quartz bands in Shear/Fault zone 45.00-50.00°»	119.03	120.08	M273708	1.05
		« @ 117.10 S1 foliation 35.00° »	120.08	121.22	M273709	1.14
		« 117.78- 117.87 Locally very graphitic Shear zone 40.00°»				
		« 117.35- 119.03 Commonly broken/fragmented core with multiple fault zones »				
		« 118.85- 119.03 graphitic fault gouge »				
		-lost core, lower core (GARG)				
		Laminated (S1) 70.00°»				
		« @ 119.81 Foliation 72.00° »				
		« 120.08- 120.20 Graphitic gouge 80.00°»				
		« @ 120.40 Well banded S1 72.00° »				
		« 120.44- 121.22 Very graphitic and well banded, good S1, commonly grading silty in thin bands 0.10-1.00cm»				
		Weakly silicified (if at all) and weakly deformed at 70-72 degrees. Muddy and fining up?				
		« very fine grained disseminated py 0.10-1.00%»				
		121.22 123.63 FGSS	121.22	122.67	M273710	1.45
		Locally grading to SSGR.	122.67	123.63	M273711	0.96
		Medium grey to black with common ARGL/GARG interbands. Upper contact @ 63				
		degrees. Common well sorted sandstone intervals. Locally grading fine grained to course grained to medium grained (121.22-121.51). Poorly minerlized with trace to 2% pyrite stringer to disseminations				
		« @ 121.74 ARGL bands 74.00° »				
		« 121.80- 121.81 Slightly vuggy quartz vein with py 2.00%»				
		« @ 122.07 S1 65.00° »				
		« @ 122.67 S1 70.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 123.11- 123.32 Fining down sequence (over turned?) with erosional appearing contact at base 80.00° »				
		« @ 123.55 2 dirty quartz py stringers ("vuggy") angled to S1 at 35.00 » @ 123.55 S1 70.00° »				
		123.63 129.36 GARG	123.63	125.10	M273712	1.47
		Very graphitic (90%) soft, not silicified. Trace to 1% disseminated pyrite.	125.10	126.49	M273713	1.39
		Commonly with an irregular boudinage texture interbanded with thin laminated intervals. Does not appear faulted, though texture is turbulent?? (S1) is at 80 deg. TCA and 70 deg. to drill hole.	126.49	128.80	M273714	2.31
			128.80	129.36	M273715	0.56
		« 128.60- 132.42 Core is Broken to fractured to gouge »				
		« 128.97- 129.29 Broken to gougy core, shear dominated Fault/Shear Zone 80.00° » « Shear at 20.00° »				
		« 129.30- 129.31 Bands of py 35.00% » at 70 degrees.				
		129.36 131.29 FGSS	129.36	130.81	M273716	1.45
		Fin grained sandstone to quartzite to minor SSGR. Light grey, highly fractured and locally "vuggy". « Disseminated/thin veinlets of v.f.g. to m.g py 2.00-4.00% »	130.81	131.29	M273717	0.48
		« @ 130.70 Veinlet of py 70.00° »				
		« 130.81- 131.13 Very broken into ~1 cm - 4cm pieces, fragmental and slightly gougy to gritty »				
		-Shear zone, upper 10cm (GARG) to FGSS, lower contact at 66 degrees to a white quartz vein.				
		131.29 132.42 FLT/GARG	131.29	132.42	M273718	1.13
		Black rubble to gouge, minor shear.				
		« 131.29- 131.33 White Quartz vein 45.00-66.00° » « py 5.00% »				
		« 131.33- 131.34 Disseminated, very fine grained py (up to) 60.00% »				
		-disseminated fine grained pyrite throughout.				
		« 131.29- 132.42 Fault at ~ 50.00-60.00° »				
		132.42 134.65 GARG	132.42	133.16	M273719	0.74
		as previous, black well banded « @ 132.63 Fabric (S1) 70.00° »	133.16	134.65	M273720	1.49
		« @ 133.48 Fabric (S1) 53.00° »	133.16	134.65	M273721	1.49
		« 134.20- 134.65 Rubble to gouge 30.00° »				
		lost lower contact				
		134.65 137.70 FGSS	134.65	135.72	M273722	1.07
		FGSS to SSGR. Light grey appears to be coarsening down overall, gradational lower contact (approx.)	135.72	136.11	M273723	0.39
			136.11	137.37	M273724	1.26

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 135.72- 136.11 Potential Shear, sharp upper contact at 69.00° » with deformational texture throughout, slightly graphitic with quartz veining and « py 4.00-5.00% » -apparent slip.	137.37	137.70	M273725	0.33
		« 136.00- 136.01 white qzvn 10.00% »				
		« 136.22- 136.23 whiteqtz and cb vn 10.00° »				
		« 136.68- 136.69 SHR 70.00° »				
		« 136.88- 137.37 highly frac'd core »				
		« 137.37- 137.70 qzvn w/ py 5.00-7.00% » « qzvn w/ aspy 0.01-2.00% »				
		« @ 137.70 SHR 70.00° »				
		137.70 144.35 SSGR	137.70	138.28	M273726	0.58
		SSGR (to FGSS).	138.28	139.80	M273727	1.52
		Light grey, similar to above with courser grains.	139.80	141.30	M273728	1.50
		« 137.70- 138.28 diss + vnls mg - cg py 5.00-7.00% » « aspy 0.01-1.00% »	141.30	142.74	M273729	1.44
			142.74	144.35	M273730	1.61
		Weak foliation due to flattening of grains and minor intergranular clays.				
		« @ 139.08 fol 50.00° »				
		« @ 140.16 fol 40.00° »				
		« 140.34- 140.36 graph SHRw/ cb-vnls 64.00° »				
		« @ 141.36 fol 36.00° »				
		« @ 141.91 fol 30.00° »				
		« 141.97- 142.17 blk argl interval w/ fol 80.00° »				
		« 142.74- 142.75 qtz / cb vn 13.00° »				
		« @ 144.00 fol (S1) 57.00° »				
		« @ 144.20 slip face, grad L ctc thru FGSS to mdst/arg l, fining down 90.00-145.00° »				
		144.35 155.98 ARGL/GARG	144.35	145.88	M273731	1.53
		Black argillite with minor graphite with abundant quartz veining and some pyrite veins / veinlets throughout interval. Quartz veins increase near fgss intervals (minor).	145.88	147.69	M273732	1.81
			147.69	148.44	M273733	0.75
			148.44	149.22	M273734	0.78
			149.22	150.59	M273735	1.37
		« @ 144.88 qzvn set 62.00° »	150.59	151.55	M273736	0.96
			151.55	152.70	M273737	1.15
		Minor lighter coloured foliation that contains quartz veins and has been mottled / offset.	152.70	154.32	M273738	1.62
			154.32	155.98	M273739	1.66
		« @ 145.40 cb vn 80.00° 1.00mm »				
		« @ 145.55 qzvn 70.00° 2.00cm »				
		« @ 145.63 qzvn 70.00° 2.00cm »				
		« @ 146.04 mnrg graph gg 63.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 146.06- 146.19 w/ fol FGSS 64.00°»				
		« 146.67- 146.78 boudinaged lighter sedin blk argl 20.00°»				
		« 147.37- 147.47 mnrr shr/gg, poss flt, (Lctc + Uctc) 62.00-47.00°»				
		« 147.69- 148.38 broken U ctc + L ctc FGSS »« py blebs thru-out (mnrr) »«				
		fol w/ mnrr blk argl 50.00°»				
		« @ 148.38 py vn 65.00° »				
		« @ 148.46 py / qtz vn 15.00° »				
		« @ 148.58 fol (S1) 64.00° »				
		« 148.74- 148.88 blebs diss py w/ qtz vnlts 20.00-60.00°»				
		« @ 149.22 py vn 51.00° 1.00cm »				
		« 149.23- 149.45 flt, shr/gg graphitic w/ U ctc 61.00°»				
		« 150.60- 150.88 f;t, shr/gg; graphiticw/ Uctc 71.00°»				
		« 151.53- 151.55 mnrr graph gg 74.00°»				
		« 151.55- 151.95 blebs diss py w/ qtz/cb vns »				
		Mottled foliation (S-1) throughout interval.				
		« 152.45- 155.98 blebs diss py/cb/qtz appear in healed frac -22.00°0°»«				
		cb on frac surfaces 20.00-50.00°»				
		@ 154.31 qtz/py vn setsw/ slight chl alt w/in qtz 20.00° 1.00-4.00mm »				
		@ 154.90 cb/py vn w/ md stringers thru-out 121.00° 2.00mm » @ 154.90 fol				
		22.00° »				
		« @ 155.28 fol w/ mnrr py bleb 40.00° »				
		« @ 155.58 mnrr qtz/py vnlit w/ chl on frac surface 41.00° »				
		Becomes increasingly quartz veined toward next interval.				
		« 155.78- 155.98 py/qtz stringers x-cutting, diss thru-out »				
		155.98 156.39 QVSX	155.98	156.30	M273740	0.32
		Brown to dark brown (TPHY?) with with a quartz breccia and pyrite throughout	155.98	156.30	M273741	0.32
		entire interval. Pyrite decreases down hole from 15-20% to <3% at bottom of				
		interval. Pyrite and TPHY? appear as the matrix around the quartz.				
		« @ 156.00 healed frac 25.00° »				
		« @ 156.09 healed frac 25.00° »				
		« @ 156.16 slip along frac 40.00° »				
		156.39 167.65 SSGR	156.30	157.62	M273742	0.00
		Sandstone / sandstone grit. Medium grey quartzite with quartzofeldspathic,	157.62	159.12	M273743	1.50
		grains in the coarse grained areas. In the fine grained areas it appears as	159.12	160.17	M273744	1.05
		very faint quartz carbonate veinlets, disseminations and veinlets of pyrite	160.17	162.67	M273745	2.50
			162.67	163.44	M273746	0.77

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		locally throughout.	163.44	164.92	M273747	1.48
			164.92	165.09	M273748	0.17
		◁ @ 156.39 py vnlts x-cutting w/ dissplacement 1.50cm ›	165.09	166.43	M273749	1.34
		◁ 156.71- 156.97 x-cutting py vns 15.00-165.00° ›	166.43	167.65	M273750	1.22
		◁ @ 157.13 freq healed frac w/ vuggy texture 15.00° ›				
		◁ 157.32- 157.53 qzvn w/ mn r py vnl, boudins on either side , L ctc 49.00° ›				
		◁ @ 157.98 frac 12.00° ›				
		◁ @ 158.23 qtz/cb vn 55.00° ›				
		◁ @ 158.45 half frac, half qtz cb vn 12.00° ›				
		158.23 - 160.74: Course grained quartzite with quartzofeldspathic grains (are soft, white and resemble feldspar crystals forming in place).				
		◁ 159.06- 159.42 py on broken core frags 1.00-2.00% ›				
		◁ 160.86- 161.24 flt w/ gg/shr and broken core, mg-fg py on frac faces. 0.01-1.00% ›				
		◁ 161.24- 163.26 fining up interval ›				
		◁ @ 161.24 fg qtzt, Uctc 26.00° ›				
		◁ @ 161.68 healed frac infilled w/ qtz + fg py 31.00° ›				
		◁ @ 161.87 frac w/ mn r gg 56.00° ›				
		◁ @ 162.07 frac w/ mn r gg 41.00° ›				
		◁ @ 162.50 qzvn 42.00° 4.00mm ›				
		◁ 162.77- 163.07 healed frac w/ large vugs w/ qtz infilling 0.01° 0.50-2.00cm ›				
		◁ @ 163.16 diss fg - mg py 3.00% ›				
		◁ 163.26- 163.44 flt (gg/shr) blk graph 55.00° ›				
		◁ 163.44- 166.27 fining up interval (due to flt ?) ›				
		◁ @ 165.62 qzvn w/ ser blebs 60.00° 3.00cm ›				
		◁ 166.27- 166.60 blk clasts/interbeds (irregular) of mdst 0.10-4.00cm ›				
		◁ @ 166.53 mn r flt w/ clay/gg on face 22.00° ›				
		◁ 167.14- 167.35 flt/shr zn, core is bx'd + frac w/ clay/gg on slip face 36.00-50.00° ›				
		167.65 169.50 FGSS	167.65	168.59	M273751	0.94
		Light to dark grey fine grained to medium grained quartzite. No foliation or bedding present.	168.59	169.50	M273752	0.91
		◁ multiple qzvn thru-out 1.00mm ›				
		◁ py vnlts + diss 1.00-2.00% ›				
		◁ 167.65- 168.30 core is very frac + broken ›				
		◁ 169.16- 169.30 broken core ›				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
169.50	170.93	QVSX Very silicified, medium to dark grey with brown (sericite) Fine grained (dirty) pyrite on fractured surfaces. Core is highly fractured and broken up . Sericite present throughout. « diss py + vnlt 3.00-15.00° » « tr aspy -0.05% »	169.50	170.93	M273753	1.43
170.93	175.00	FGSS Same as previous FGSS (quartzite). « @ 171.30 ser on frac surfaces 6.00° » « py in vnlt, qzvn + blebs, fg-mg py 1.00% » « @ 171.95 qzvn w/ py 11.00° » « 172.78- 173.14 multiple qzvn's x-cut by py vnlt 30.00-1.00° » « @ 172.64 f.g. py bleb 1.50-1.50cm » « @ 172.89 pair of py vnlt 5.00-25.00° » « 174.25- 174.43 flt/shr zn, extremely bx'd + shr'd, graph on slip face 65.00-72.00° » « 174.65- 175.00 broken core »	170.93	172.21	M273754	1.28
			172.21	173.44	M273755	1.23
			173.44	175.00	M273756	1.56
175.00	178.46	GARG Jack to dark grey (GARG) veinlets and disseminated pyrite throughour (1-2%). « 175.07- 175.20 Broken core, fragments Fault/Shear Zone 90.00° » -has polished pyrite with lineations « @ 175.63 Foliation 60.00° » « 175.84- 175.85 Fault Zone with gouge/clay » « 176.04- 176.08 Fine grained, medium grained quartzite FGSS » « @ 176.15 Slip face 70.00° » « @ 176.20 Slip face 87.00° » « @ 176.24 Foliation 60.00° » « 176.44- 176.54 White quartz vein with veinlets of py (with massive py vein) 2.00cm » « 176.64- 176.99 White quartz vein » -sharp upper contact and gradually gos back into GARG « 177.04- 177.93 Fault/Shear zone » -core is gouge/clay on either ends, core is heavily fractured and breccaited « 177.14- 177.20 Core fragments with fine grained py 20.00% »	175.00	176.08	M273757	1.08
			176.08	177.04	M273758	0.96
			177.04	178.46	M273759	1.42
178.46	181.32	FGSS FGSS (Quartzite)	178.46	179.06	M273760	0.60
			178.46	179.06	M273761	0.60

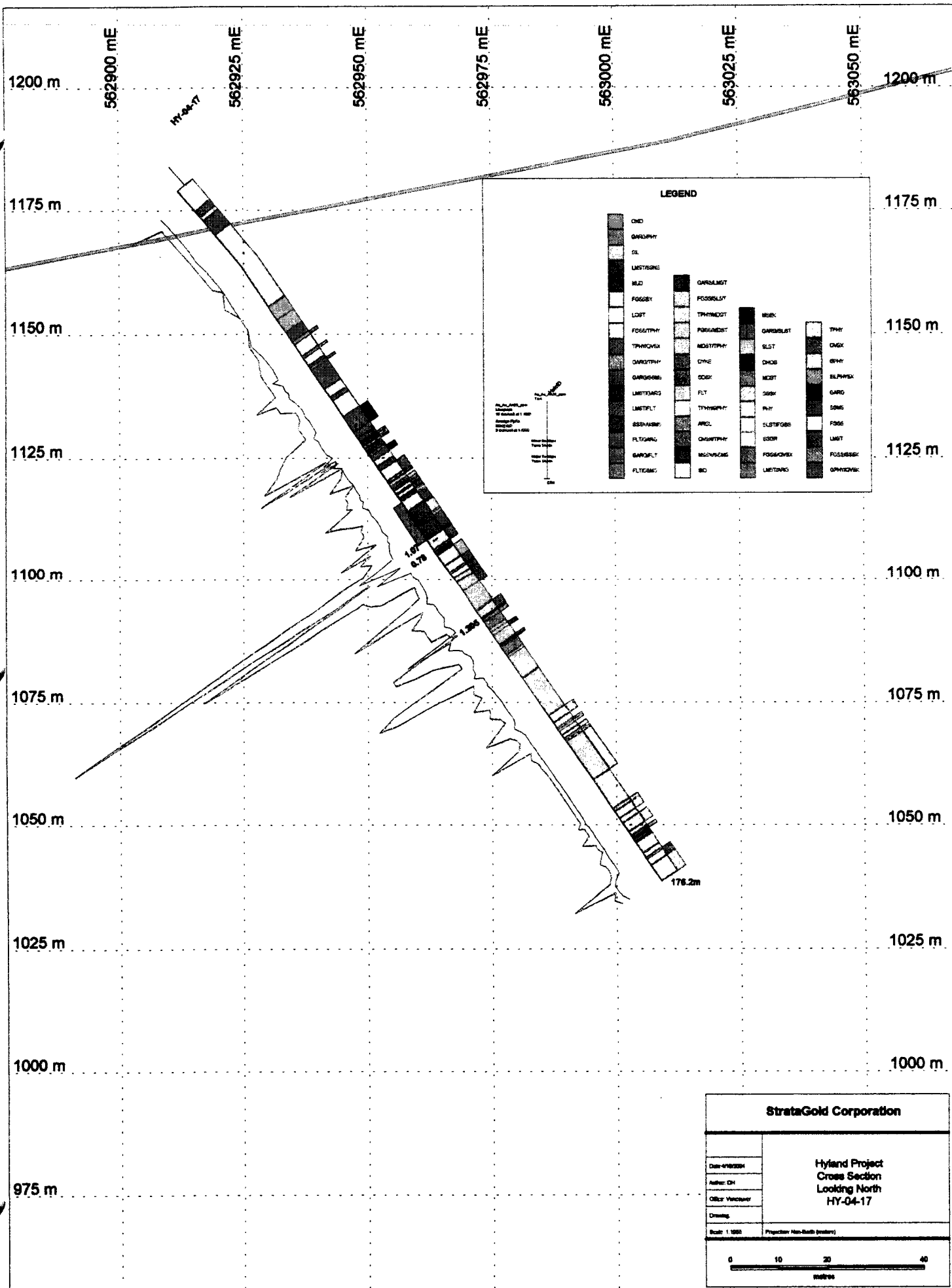
From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Medium to dark gray colour.	179.06	180.20	M273762	1.14
		« 178.46- 178.64 Fault/Shear zone (gouge/clay) »	180.20	181.09	M273763	0.89
		« 178.64- 179.06 Shear zone »	181.09	181.32	M273764	0.23
		-core is recemented/brecciated				
		« Veinlets/disseminations of py 5.00%»				
		« @ 178.85 vein of py 20.00° 1.00mm »				
		« 179.36- 179.43 Two interbeds of MDST/GARG 75.00-80.00° 2.00cm»				
		« @ 179.70 vein of py 0.50-1.00cm »				
		« 179.72- 179.80 Sharp upper with gradational lower contact GARG/MDST 50.00°»				
		« 180.20- 180.27 veinlet sets of py 75.00° 4.00-7.00mm»				
		« 180.40- 181.13 Heavily quartz veined with belbs of py 3.00%»				
		« 181.13- 181.32 Heavily sulphidized py 15.00-25.00%»« cpy 0.50%»				
		181.32 182.07 ARGL/GARG	181.32	182.07	M273765	0.75
		182.07 182.50 FLT/GARG	182.07	182.50	M273766	0.43
		Fault and Graphitic Argillite with a fine grained sandstone.				
		« @ 182.35 Contact between GARG and FGSS »				
		Upper fault contact lost, lower contact @ 30 deg. « Foliation 60.00-70.00°»				
		Gouge to very highly fragmented.				
		182.50 183.93 FGSS	182.50	183.93	M273767	1.43
		Fine grained sandstone with minor ARGL bands. Light grey, partly silicified.				
		Minor foliation fabric, 1-3% pyrite veins. Quartz bands/veinlets @ 50-70 deg.				
		with foliation and quartz veins @ 90 degrees to fault @ 30 degrees. (@ 182.70-182.80).				
		« @ 182.60 Quartz with thin stringers of py 70.00° »				
		« 183.38- 183.93 Broken to gouge core, Fault zone with shear »				
		« 183.38- 183.45 Gouge »				
		« 183.53- 183.54 Gouge 60.00°»				
		183.93 188.04 ARGL/GARG	183.93	185.01	M273768	1.08
		with locally FGSS and SLST. Black to medium grey, similar to previous though	185.01	185.57	M273769	0.56
		more silicified. Generally well banded and locally pyritic with 1 to locally	185.57	186.62	M273770	1.05
		9% stringers/veinlets to disseminated pyrite.	186.62	188.04	M273771	1.42
		« 183.93- 183.95 Band of py 10.00%» at 60 degrees.				
		« 183.95- 184.03 Gouge and broken core in Fault zone 50.00-70.00°»« @ 184.03 slip face 35.00° »				
		« @ 184.70 slightly warped/wavy foliation (S1) 55.00° »				
		« 185.01- 185.05 GARG with py 14.00%» at 68-70 degrees.				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 185.44- 185.88 Local quartz/pyrite veinlets in FGSS 70.00-80.00° » « py 55.00-70.00° »				
		« @ 186.52 Foliation (S1) 83.00° »				
		« @ 187.03 Foliation (S1) 70.00-73.00° »				
		« @ 187.65 Foliation (S1) 80.00-85.00° »				
		-Potential fining down sequences between contact at 83 degrees.				
		188.04 189.75 FGSS	188.04	189.14	M273772	1.10
		as previous. « @ 188.17 Quartz/Carbonate vein 12.00° 2.00mm »	189.14	189.75	M273773	0.61
		« @ 189.14 Foliation (S1) 40.00° »				
		« 189.14- 189.75 Foliation (S1) 40.00-50.00° »				
		« Cross-cutting quartz (clear) and pyrite veinlets 150.00-160.00° »				
		Local contorted ARGL bands, bottom contact at 70 Deg.				
		189.75 191.34 FGSS/GARG	189.75	190.40	M273774	0.65
		Fine Grained Sandstone with Graphitic Argillite or Black Argillite interbands +/- ARGL.	190.40	191.34	M273775	0.94
		Weakly silicified, folding at upper contact to gouge.				
		« 189.75- 189.88 Very graphitic/soft gouge FLT/GARG 80.00° »				
		« 189.88- 190.20 Irregular, very fine grained veinlets of py 6.00-15.00% » « more silicified, black argillite, x-cutting foliation (S1) »				
		« 190.20- 190.40 Warped foliation (S1) 25.00-70.00° »				
		« 190.40- 190.50 Shear FGSS »				
		-slightly vuggy with increased quartz veining. « Foliation (S1) 70.00° » « Vuggy, with open fracture 150.00° », similar to 190.60m				
		« 190.60- 190.90 Foliation parallel to CA, with slight displacement/Shear 0° »				
		-minor quartz and carbonate veining				
		« @ 191.20 Quartz/Carbonate veining 60.00° »				
		191.34 192.40 FLT/GARG	191.34	192.40	M273776	1.06
		Black, soft, very carbonaceous, easily fragmented. Upper contact at 65 degrees, lower contact to quartzite @ 65-70 degrees.				
		192.40 192.80 FGSS				
		as previous, light grey.				
		« @ 192.80 Shear contact between Quartzite and ARGL 75.00° »				
		192.80 193.36 ARGL				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Argillite (with minor FGSS), as previous. With multiple quartz-carbonate veinlets at 30 degrees, 1-3mm in diameter. Lower portions FGSS with high ARGL content, dark grey. Lower contact at 30 degrees with quartz-carbonate veinlets.	192.40	193.36	M273777	0.00
		193.36 195.96 FGSS	193.36	193.99	M273778	0.63
		FGSS (with local 20% argillite interbands) locally grading to SSGR (lower end).	193.99	194.60	M273779	0.61
		Light grey, similar to previous; weakly folded.	194.60	195.93	M273780	1.33
		« diss py vnlts overall 1.00-3.00%»	194.60	195.93	M273781	1.33
		« 193.36- 193.99 py, aspy, qtz vn , v.f.g. diss py/aspy. pot QVSX 0.01-5.00° 2.00-8.00mm» « py in vn 2.00-6.00%» « aspy in vn 1.00-2.00%»				
		« 194.30- 194.31 cb vn 15.00°»				
		« @ 194.35 slip 70.00° »				
		« @ 194.60 S1 (w.r.t. def'n) 70.00° »				
		« @ 195.00 S1 fol in argl 76.00° »				
		« @ 195.39 qtz vnl 55.00° »				
		« 195.75- 195.83 fol (S1) 65.00-81.00°»				
		@ 195.96 L ctc 75.00° »				
		195.96 196.99 ARGL				
		ARGL with FGSS interbands (turbidites).	195.93	196.99	M273782	0.00
		ARGL locally graphitic (GARG).				
		Black to dark grey in colour.				
		« @ 196.28 S1 fol 74.00° »				
		« 196.40- 196.55 shr/flt zn, bx'd to near gg 65.00-70.00°»				
		« @ 196.99 fol / S1 + L ctc 75.00° » « @ 196.99 diss py vnlts 1.00-2.00% »				
		196.99 202.69 SSGR	196.99	198.34	M273783	1.35
		SSGR to FGSS with local ARGL intervals.	198.34	199.22	M273784	0.88
		Medium to light grey overall.	199.22	200.06	M273785	0.84
		Very weakly seritized SSGR (pale green tint).	200.06	201.00	M273786	0.94
		Quartz grains are <1 - 2mm	201.00	202.08	M273787	1.08
		« @ 197.44 ARGL band 59.00° »	202.08	202.69	M273788	0.61
		« @ 197.70 fol in ssgr of grains 65.00° »				
		« @ 197.80 shr face 75.00° »				
		« @ 198.34 S1 fol (ARGL) 80.00° »				
		« 198.34- 199.22 increased py + qtz vning 5.00-6.00%» « qzvn w/ py 0.00-30.00°» « L ctc of qzvn w/ py 72.00°»				
		« @ 199.62 slip (graphitic) 60.00° »				

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	4.88	Casing				
		HW Casing				
4.88	10.40	FGSS	6.95	7.62	M273789	0.67
		Pale grey with 0.5-1.0mm grains; Well sorted and rarely with a calcareous matrix; typically silicified to varying degrees; typically <5% total sulphide including pyrite and aresopyrite in orthogonal joint/veinlet sets; typically in HW to the main structure at the top of easterly directed drill holes within oxide cap; Oxidation consists of limonite pits and boxwork after sulphide.				
		FGSS (Quartzite) with local ARGL intervals, highly oxidized with common Hematite/Limonite on fracture and weathered out veinlets. Orange/red overall. Fragmental, poor recovery. Potential faulting (due to intensity of fractures/rubble)				
		-at ~ 7.30-7.45m				
		-at ~ 7.84-8.00m				
		◁ @ 10.40 Quartz fracture foliation 70.00° ▷				
10.40	12.00	ARGL				
		Black with dark red oxidation, foliation at 41 degrees, trace pyrite, lost contacts, upper at 70 degrees.				
		intensely oxidized at base, mostly lost between 10.67-16.76, gravel.				
		◁ @ 10.50 ARGL on foliation 41.00° ▷				
12.00	13.00	FGSS				
			7.62	10.67	M273790	0.00
			10.67	13.72	M273791	0.00
		Light grey, yellow, weakly silicified with light sericite alteration. Minor argillite, broken contact.				
13.00	16.76	ARGL	13.72	16.76	M273792	3.04
		Black and dark orange, very heavily oxidized, potential foliation at 35 degrees. Mostly rubble.				
16.76	35.05	FGSS	16.76	19.81	M273793	3.05
		(+/- local argillite).	19.81	22.86	M273794	3.05
		Light grey to yellow, moderately silicified and with sericitization giving a pale yellow overprint. Rare foliation available at:	22.86	25.91	M273795	3.05
		◁ @ 23.00 S1 (foliation) 49.00° ▷ ◁ @ 23.00 with "vuggy" quartz veinlets 90.00° ▷	25.91	28.96	N/S	3.05
		◁ @ 16.76 S1 foliation 39.00° ▷	28.96	32.00	M273796	3.04
		◁ @ 23.50 Oxidized veinlets 39.00° ▷	32.00	35.05	N/S	3.05
		◁ @ 30.00 Fracture foliation 30.00° ▷				
		◁ @ 31.60 Foliation 30.00° ▷ ◁ @ 31.60 Fracture foliation 150.00 ▷				
35.05	41.15	FLT				
		Fault gouge to breccia. Shear commonly included	38.10	41.15	M273797	3.05

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 35.05- 38.10 NO recovery »				
		« 38.10- 41.15 Black ARGL "sand", <1mm fragement interpreted to be a fault, not very graphitic » but could be washed out. Inferred 0 to trace pyrite, argillite gouge.				
		41.15 43.50 ARGL				
		Dark grey to black fragments, poor recovery. Minor quartz veining, no structure available. Minor hematite/limonite on fractures, trace py.				
		43.50 44.20 FLT/ARGL				
		Argillite gouge (12 cm recovered)				
		44.20 49.30 FGSS				
		Fine grained sandstone, moderately silicified, slightly bleached, 1-2% pyrite (very fine grained) veinlets. Thin quartz veinlets and local open "vugs" with euhedral quartz (<2mm). No to rare oxidation. Common medium brown (tan) altered sericite with quartz. Local cemented breccia, 1-3mm quartz fragments brown silica matrix. Potential fault/shear (~47.00-47.50m). Weak foliation in 1 piece @ 70 degrees, pitted and fractured				
		49.30 49.80 ARGL				
		Dark grey, small fractured fragments.				
		« Very fine grained disseminated py 1.00-2.00% »				
		49.80 50.29 FLT/ARGL				
		Gouge and fragments, locally rusty orange means Hematite. Therefore oxidation locally, with pyrite.				
		50.29 54.96 ARGL				
		Argillite. Moderately siliceous with weak to moderate carbonate alteration. 10% oxidized with local patchy limonite/hematite alteration.				
		« 50.50- 50.55 Potential shear », locally very folded.				
		« @ 50.60 S1 40.00 » « @ 50.60 D1 20.00° »				
		« @ 51.00 S1 30.00-35.00 »				
		-local boudinaged quartz band with rounded carbonate altered blebs/grains.				
		« @ 51.05 Rusty (hematite) quartz vein 90.00° » « @ 51.05 S1 45.00° »				
		« 51.40- 51.65 Dark grey and relatively more siliceous, py veining 100% » « Hematite roughly parallel to fabric 45.00° »				
		« 52.05- 52.15 Fractures siliceous (FGSS) interval with foliation				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		55.00°»« and D1 15.00°»				
		Fractures irregular and filled with off-white carbonate.				
		« @ 52.45 Fractures 30.00° »				
		« @ 52.50 Foliation 40.00° »				
		« 52.85- 52.95 Foliation 50.00°»« Veinlets of py 140.00° 1.00mm»				
		« @ 53.60 Foliation 50.00° »				
		« 53.78- 53.92 Quartz and carbonate vein with argillite very folded, S1 at 60.00°»				
		-Quartz veining at 90 degrees to (S1) at 20 degrees. (1-3mm).				
		« 54.11- 54.16 Potential Fault/Shear 70.00°»				
		-highly fractured, rubble, with weak gouge.				
		« @ 54.20 Foliation (S1) 40.00° »				
		« 54.70- 54.96 ARGL with foliation 40.00°»« Quartz vein at 90.00° 1.00-3.00mm»				
		Lower contact sharp at 30 degrees, possible shear.				
		54.96 57.05 FGSS	54.96	56.39	M273807	1.43
		FGSS: medium to light grey, moderately silicified with local, slightly sericitized zones.	56.39	57.05	M273808	0.66
		Local ARGL intervals (<10%)				
		@ 55.26 fol 44.00° x @ 55.26 qzvn 60.00-70.00° »				
		« 55.72- 55.82 SHR (argl + qtz/cb vnlts) 60.00-30.00°»				
		« @ 55.82 slip 30.00° »				
		« @ 55.92 fol, partings between grains 70.00-80.00° »				
		« 56.45- 56.50 fol 50.00-55.00°»				
		« 56.88- 56.98 potential shr rubble »				
		« 56.98- 57.05 white qzvn, no min'n 40.00°»				
		57.05 57.91 ARGL	57.05	57.91	M273809	0.86
		ARGL: Initially light to medium grey, moderately silicified and sericitized « @ 57.05 U ctc w/ FGSS 40.00° »				
		« 57.15- 57.41 fol 50.00-30.00°»« yellow - off white cb vnlts 90 deg to fol 135.00-150.00°»				
		« @ 57.42 slip face (graphitic) 40.00° »				
		Moderately (2+/-5) oxidized zone, pitted and yellow to orange with black at the core. Oxidation to end of hole. Lower contact appears lost.				
		« 57.05- 57.91 diss py, pressured lost in oxidized zone 0.01-1.00%»				
		57.91 61.85 FGSS	57.91	59.44	M273810	1.53
		FGSS (QTZT) (with trace to minor phyllitic partings)	59.44	60.95	M273811	1.51
		Light grey	60.95	61.85	M273812	0.90

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		diss to qtz-py stringers 0.01-2.00%»				
		Moderately silicified (3/5) and weakly sericitized; lost lower contact. Weak carbonate alteration and local quartz - carbonate veinlets.				
		« @ 59.60 fol / fabric 35.00° »				
		« @ 59.70 slip face / frac 90 deg fol 25.00° »				
		« @ 91.20 fol 40.00-45.00° » « @ 61.20 qtz-py / py vnls 60 deg to fol 20.00-25.00° »				
		« 61.65- 61.85 fol rotating toward L ctc 60.00-70.00° »				
		61.85 65.58 ARGL	61.85	62.48	M273813	0.63
		(+GARG +/-FGSS)	62.48	64.04	M273814	1.56
		Black to grey (+/- yellow) argillite. < moderately (2/5) silicified and moderately (2-7%) with weak carbonate (1/5) alteration, locally graphitic and interbanded with thin FGSS (with carbonate alteration) intervals (1-3mm).	64.04	65.58	M273815	1.54
		« py strngers to diss »				
		Common limonite and carbonate on fractures = weak oxidation (1/5).				
		Turbidite sequence, argillite fragmented to folded locally.				
		Increasingly pyritic with increasing silicification and decreasing carbonate - oxidation alteration with depth.				
		Common boudinaged carbonate alteration, blebs of quartzite.				
		requent graphitic fractures (shear).				
		« 61.85- 62.31 fol rotating 45.00-60.00° »				
		« @ 63.80 fol (S1?) with frac (lim + cb) 50.00-125.00° »				
		« 61.85- 65.58 py bands/min'n, no vis aspy 45.00-60.00° »				
		« @ 63.90 graph slip face 65.00° »				
		« 64.05- 64.25 shifting fol, (S1 60-70, w/ D1 30) 60.00-70.00° 30.00° »				
		65.58 67.01 ARGL	65.58	67.01	M273816	1.43
		(Close to SILPHYSX), but not)				
		As above with increased silicification (3/5), and « py 4.00-12.00% » with reduced to no oxidation and reduced to no carbonate alteration (4/5).				
		Locally still graphitic.				
		Approaching SHR/FLT zone.				
		« @ 65.58 U ctc, wavy fol 75.00-85.00° »				
		« @ 65.80 fol 55.00-60.00° »				
		« @ 66.65 fol 50.00° »				
		67.01 67.90 FLT/GARG	67.01	67.90	M273817	0.89
		« diss py 0.01-2.00% »				
		« 67.01- 67.45 flt, gougy - highly bx'd garg (argl) w/ local cb alt'd qtz bands 65.00° »				
		« 67.45- 67.57 frac'd argl/garg, SHR, U ctc 50.00° »				
		« 67.57- 67.75 FLT - gougy - highly bx'd garg/argl, mnr lost core »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 67.75- 67.87 Qtzt band w/ U ctc, slightly frac'd/vuggy w/ remnant fol				
		0.00-60.00°» « fracs 90 deg to fol 30.00-15.00°»				
		« 67.87- 67.90 SHR'd + gg argl/garg 45.00-50.00°»				
		67.90 68.24 QVSX	67.90	68.24	M273818	0.34
		QVSX (in FGSS/QTZT) - dark grey, silicified and sulfidized quartzite with tan				
		phyllite (or FGSS + QVSX).				
		« py 8.00-15.00%»				
		« @ 68.24 sharp L ctc 74.00° »				
		68.24 68.41 FLT/GARG	68.24	68.41	M273819	0.17
		FLT/GARG-ARGL as previous				
		« ggy to highly bx'd / shr'd 60.00°»				
		« 68.37- 68.39 lite yellow, massive, highly alt'd dyke ??				
		porphyritic-alt'd hmbld, v. soft »				
		« @ 68.41 L ctc 70.00° »				
		68.41 68.84 ARGL	68.41	68.84	M273820	0.43
		Medium grey, moderately pyritic, highly fractured	68.41	68.84	M273821	0.43
		« @ 68.84 Lower contact 45.00° »				
		68.84 69.11 Mafic-dyke	68.84	69.11	M273822	0.27
		Dyke: Massive, highly altered, porphyritic, off-white (beige, light brown) to				
		locally green dyke. Phenocrysts commonly harder than matrix and yellow brown,				
		rounded with weak reaction to HCl. Some carbonate phenocrysts are more				
		white,				
		soft, lenticular to regular = Hornblende				
		69.11 69.53 FGSS/QVSX	69.11	69.53	M273823	0.42
		Similar to previous. Medium to dark grey, highly fractured and broken core. «				
		Stringers of py 5.00-9.00%»				
		« 69.37- 69.40 as above, Mafic-dyke »				
		69.53 71.06 Mafic-dyke	69.53	71.06	M273824	1.53
		(as previous description) Light brown to off white, high potassium (K)				
		alternation with some Carbonate alteration. Mushy, very soft.				
		« @ 71.06 Sharp Lower contact 32.00° »				
		71.06 71.40 FGSS				
		Fine grained sandstone, quartzite. Light grey, slightly sericitized, moderately				
		silicified.				
		« @ 71.40 Foliation 65.00° » « @ 71.40 Pyrite/Quartz pyrite veinlets 155.00°				
		1.00-2.00mm » « @ 71.40 disseminated py 0.50-1.00% »				
		71.40 72.58 ARGL	71.06	72.58	M273825	0.00
		Argillite to minor graphitic argillite (<5% FGSS). Black, less fragmented and				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		deformed then previous argillite « Disseminated py 0.50% » « Foliation 0.00-70.00° »				
		« upper and lower contacts at 65.00-67.00° »				
		72.58 73.98 FGSS	72.58	73.98	M273826	1.40
		Fine grained sandstone (as previous) with 5% Argillite. « Stringers/Disseminations of py 0.50-2.00% »				
		« @ 72.77 Graphitic shear 40.00° »				
		-weak (1-2/5) carbonate alteration				
		« @ 73.13 vein of py 70.00° 2.00-3.00mm »				
		« @ 73.20 Graphitic Slip 80.00° »				
		« 73.22- 73.23 Graphitic gouge, fault 55.00-60.00° »				
		« @ 73.34 Shear zone with foliation 40.00-55.00° »				
		- "vuggy" fractures (healed) @ 145 degrees.				
		« 73.65- 73.73 py 7.00% »				
		73.98 74.98 Mafic-dyke	73.98	74.98	M273827	1.00
		Dyke: as previous, yellow-brown (light) grading to dark green hue (chlorite). Locally dark green phenos visible (rectangular to lenticular = amph?) . On fresh the ground mass is a grey with spotty-disseminated rounded very fine grained to 1 mm yellow phenos and disseminated (5%) dark green rectangular to subhedral phenos. Massive, no fabric, no visible mineralization.				
		« @ 74.98 Lower contact 85.00° »				
		74.98 77.55 FGSS	74.98	76.26	M273828	1.28
		Fine grained sandstone - quartzite with local Argillite interbands. Upper contact with dyke graphitic argillite (85-90 degrees). « Stringers of py 1.00-3.00% ». Light to medium grey, rare dark tan PHYL (1-3mm), likely associated with quartz-py/py veinlets.	76.26	77.55	M273829	1.29
		« @ 75.62 TPHY 51.00° »				
		« @ 75.83 ARGL foliation 40.00-45.00° »				
		« @ 75.89 ARGL foliation 70.00° »				
		« @ 76.26 ARGL foliation 28.00° »				
		« @ 76.63 ARGL foliation 40.00° »				
		« @ 77.15 Start of weak to moderate fracturing/shearing »				
		« @ 77.15 Graphitic shear/fault 63.00° »				
		« @ 77.30 Foliation 50.00° »				
		- "vuggy" fracture set @ 60 degrees to foliation @ 12 degrees.				
		« @ 77.30 vein of carbonate 75.00° 0.50cm »				
		77.55 82.70 FGSS	77.55	78.23	M273830	0.68
		Fine grained sandstone with argillite (and QV SX) with local sandstone grit.	78.23	78.80	M273831	0.57
		« darker grey and more argillite content than previous, more siliceous with increased py-quartz +/- arsenopyrite veining locally to QV SX (with dark tan	78.80	79.98	M273832	1.18
			79.98	81.03	M273833	1.05

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		hyllite).	81.03	82.17	M273834	1.14
		@ 77.55 upper contact 45.00°	82.17	82.70	M273835	0.53
		« Overall, local py 2.00-8.00% » « aspy 0.50-1.00% »				
		« 77.55- 77.72 Fragmented core »				
		@ 77.80 Foliation 80.00°				
		« 78.06- 78.09 FLT/GARG 65.00° »				
		@ 78.11 Graphitic slip 65.00°				
		@ 78.23 Graphitic slip 75.00°				
		« 78.23- 78.80 SSGR »				
		-Similar to FGSS but coarser grained				
		« 78.80- 79.49 QVSX »/SSGR				
		-increased dark TPHY				
		-« increased veining of py 4.00-8.00% »				
		-tarnished pyrite to blue and red				
		-lower contact gradational				
		-« Weak grain oriented fabric 35.00° »				
		-with local cross-cutting pyrite stringers				
		-20% dark tan phyllite				
		« 79.49- 79.98 QVSX »/FGSS				
		-similar to above with finer grain size				
		-20% dark tan phyllite				
		« py 6.00-8.00% » « aspy 0.50-1.00% »				
		« 79.98- 80.77 FGSS/QVSX »				
		-<5% dark TPHY, not quite QVSX, but almost				
		-« veinlets of py 2.00-3.00% » « veinlets of py 25.00-30.00° »				
		« 80.77- 81.03 QVSX »/FGSS				
		-as previous				
		-« py 8.00% » « aspy 0.50-1.00% »				
		@ 81.03 ARGL foliation 55.00°				
		« 81.03- 81.90 FGSS »/QVSX				
		-as previous				
		@ 81.50 veinlets/stringers of py 54.00°				
		@ 81.65 Quartz veinlets 10.00° 2.00mm				
		« 81.90- 82.17 QVSX »/FGSS				
		-as previous				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		↖ @ 81.86 Cross-cutting quartz veinlets (at) 20.00-175.00° , slightly "vuggy"				
		« 82.17- 82.70 ARGL »/FGSS				
		-with very rare TPHY				
		-medium grey overall				
		↖ @ 82.60 S1 65.00° , ↖ @ 82.60 D1 20.00° ,				
		82.70 88.56 FGSS	82.70	83.82	M273836	1.12
		Fine grained sandstone (locally grading to SSGR with ARGL)	83.82	84.88	M273837	1.06
		Medium grey, moderately silicified with 1-3% mineralization in pyrite stringers and traces of arsenopyrite.	84.88	86.44	M273838	1.56
			86.44	87.63	M273839	1.19
			87.63	88.05	M273840	0.42
		↖ @ 83.17 ARGL foliation 70.00-80.00° × @ 82.70 veinlet of py 20.00° ,	87.63	88.05	M273841	0.42
		« 84.28- 84.88 grading to SSGR »	88.05	88.56	M273842	0.51
		-grains (1-3mm +)				
		-medium grey, silicified, <5% ARGL/PHYL				
		↖ @ 84.28 Fractures 68.00° ,				
		↖ @ 84.40 ARGL foliation 40.00° ,				
		-2-3% dark TPHY				
		@ 84.88 Shear grit 60.00° ,				
		« 84.88- 85.00 Foliation 45.00° » « D1 30.00° » « Quartz-carbonate veinlets 45.00° »				
		« 85.12- 85.43 FGSS »/QVSX				
		-2/5 strength QVSX, with 15% dark TPHY				
		-« py 5.00-8.00% » « aspy 0.50-1.00% »				
		« 84.88- 86.44 Generally a coarsening down sequence »				
		« 86.44- 87.20 Generally a coarsening down sequence »				
		↖ @ 86.44 Foliation 545.00° ,				
		↖ @ 86.92 Quartz veinlet 12.00° 2.00mm ,				
		« 87.63- 87.64 Band of py 60.00° » « with py 20.00% » « and aspy 0.50% »				
		« 87.66- 87.73 Shear Quartz/ARGL »				
		-overall increase in pyrite below here				
		« 87.73- 88.05 QVSX »				
		-4/5 silicified with				
		-« py 5.00-7.00% » stringer and « aspy 0.50-1.00% »				
		-Dark TPHY, upper and lower contact rubble				
		« 88.05- 88.15 Minor graphitic Shear 64.00° »				
		« 88.15- 88.56 FGSS »/SSGR				
		88.56 92.02 FGSS	88.56	89.33	M273843	0.77
		FGSS/AGRL	89.33	90.63	M273844	1.30

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Dominantly Quartzite with common (20-30%) Argillite. Medium grey to black.	90.63	92.02	M273845	1.39
		« 88.58- 88.59 Carbonate Vein 70.00° »				
		« 88.59- 88.70 veinlets of py 60.00-70.00° 1.00mm »				
		« @ 88.70 ARGL foliation/fracture 70.00° »				
		« 88.95- 89.02 Stringer of py 15.00% » at 70 degrees				
		« 89.33- 89.47 Stringers of py 15.00% » at 60-70 degrees				
		« 89.80- 89.92 Moderate shear 50.00° »				
		« 90.05- 90.38 Medium to light grey, bleached and relatively more silified »				
		« 90.63- 92.02 Sheared to locally faulted 30.00-145.00° »				
		« 91.66- 91.67 Fault/GARG 30.00° », gouge				
		« 91.86- 91.87 Fault/GARG 40.00° », gouge				
		92.02 92.96 SSMS	92.02	92.96	M273846	0.94
		SSMS or FLT/SSMS				
		Massive pyrite with ARGL.				
		« py 40.00% » with black siliceous cement, very fine grained.				
		« 92.08- 92.12 Broken to locally gougy core »				
		-recovery here only 42 cm, likely fault gouge was bigger				
		-« @ 92.08 upper contact 70.00° », lower contact broken				
		92.96 94.41 FGSS	92.96	94.41	M273847	1.45
		FGSS/ARGL, as previous				
		Locally bleached and light to medium grey. 3% dark TPHY.				
		« stringers of py 3.00-8.00% »				
		« Foliation 50.00° »				
		« @ 94.41 Lower contact 80.00° »				
		94.41 94.84 SSMS	94.41	94.84	M273848	0.43
		SSMS or Fault/SSMS?				
		As previous, though appears less pyritic, fine grained to medium grained.				
		94.84 95.51 SILPHYSX				
		SILPHYSX ? Dark brown TPHY, silicified with « py 4.00-25.00% », locally.				
		Moderately foliated, « Foliation 60.00 » with « secondary D1 foliation 20.00° »?				
		« 95.04- 95.08 Band of py 25.00% » at 65 degrees.				
		95.51 95.62 SSMS				
		SSMS as previous. « py 15.00% », very dark brown to black. Pyrite in highly altered and silicified ARGL/MDST. « @ 95.51 upper contact 70.00° »				
		Pyrite foliation at 60-70 degrees.				
		95.62 95.70 SILPHYSX				
			94.84	95.70	M273849	0.00

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		SILPHYSX as previous. Highly altered PHYL/ARGL/MDST. py 5.00%», decreasing alteration down hole. ‹ @ 95.62 Upper contact 45.00° ›				
		95.70 98.31 FGSS	95.70	96.31	M273850	0.61
		FGSS/PHYL. Fine grained to locally coarse grained quartzite with variable alteration. Phyllitic partings (40%) form dark tan to green (gradational alteration).	96.31	97.61	M273851	1.30
		« Veinlets and stringers of py 5.00-8.00% »	97.61	98.31	M273852	0.70
		« 95.70- 97.61 Dark tan/brown through light tan TPHY » to bleached at 97.31m				
		« 97.61- 97.65 GPHY »				
		« 97.65- 98.31 Bleached and light yellow sericitized »				
		-below is black to dark grey and relatively unaltered.				
		98.31 101.58 FGSS	98.31	99.36	M273853	1.05
		FGSS/ARGL.	99.36	100.86	M273854	1.50
		Dark grey to black with abundant foliation and phyllitic partings.	100.86	101.58	M273855	0.72
		Approximately 40% ARGL. Also has small intervals where the ARGL content drops and rock becomes more quartzic.				
		@ 98.31 Upper contact 48.00° ›				
		Abundant pyrite veining/veinlets throughout interval, running parallel and cross-cutting foliation. « veins/veinlets 1.00-3.00% »				
		‹ @ 98.56 Veinlet of py 47.00° ›				
		« 98.64- 98.84 FGSS »				
		-decreases in ARGL content to ~10%, medium grey				
		-« veinlets/stringers of py 2.00% »				
		« Foliation 49.00° »				
		-upper contact at 30 degrees, lower contact at 40 degrees.				
		‹ @ 98.95 veinlet of py 44.00° ›				
		Siderite/carbonate alteration in veinlets with quartz and along fracture surfaces.				
		« 99.47- 99.74 Vein running the length of core of py 4.00-6.00% » « aspy 0.50% »				
		-vein disappears at edges at 10 degrees to CA.				
		‹ @ 99.89 veinlet sets of py 145.00° › and parallel to CA				
		‹ @ 99.89 Foliation 54.00° ›				
		« 100.04- 100.35 SSGR »/ARGL				
		-decrease in ARGL to 10-15%, medium grey, very coarse grained sandstone, no apparent foliation (lack of ARGL).				
		‹ @ 100.10 Fracture/vein of py 49.00° ›				
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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		-Upper contact at 47 degrees, lower contact 49 degrees.				
		@ 100.52 Medium grained veinlets of py (cross cutting) 51.00-37.00° » @ 100.52 Foliation 51.00° »				
		@ 100.59 2 veins of medium grained py (along foliation) 56.00° »				
		« 100.75- 100.85 SSGR »				
		~10% ARGL with bands of TPHY (ex 100.78).				
		« 100.87- 101.58 Increase in veins/veinlets of py 4.00-6.00%»				
		-sericite alteration starts near bottom of interval. Also healed ("vuggy") fractures appear (ie: 101.03m)				
		101.58 104.96 SSGR/QVSX	101.58	102.58	M273856	1.00
		Gritty sandstone (upper course grained) with abundant sericite (dark tan) alteration. Alteration more abundant at top and becomes lighter in colour to almost white in colour near 104.21m. TPHY and GPHY bands are also apparent throughout interval, increasing downhole. Abundant pyrite veining throughout but decreases generally down hole.	102.58	103.31	M273857	0.73
		« 101.58- 102.11 qzvn + abundant py w/ tr aspy 4.00-6.00% 4.00-5.00mm»	103.31	104.21	M273858	0.90
		« 102.11- 102.58 frac's and healed frac's 30.00°»« py w/ tr aspy 5.00-7.00%»	104.21	104.96	M273859	0.75
		« 102.58- 102.70 small interval w/ ser, no min'n GPHY »				
		« 102.70- 103.31 large increase in py 8.00-15.00%»« increase of aspy 0.01-1.00%»« less ser (dk tan var) »				
		« 103.31- 104.21 decrease in py 2.00-3.00%»« aspy 0.01-1.00%»« decrease in ser »				
		@ 104.03 py/aspy vn 25.00° »				
		« 104.21- 104.43 bands on GPHY + TPHY, some ser alt, py 0.50-1.00%»				
		« 104.43- 104.96 py 2.00-3.00%»				
		104.96 109.49 SSGR	104.96	106.48	M273860	1.52
		SSGR (with local TPHY, GPHY, PHYL interbands, 5-10%)	104.96	106.48	M273861	1.52
		Moderately silicified (3.5/5) with weak to moderate sericite alteration (2/5).	106.48	108.00	M273862	1.52
		Less mineralization than previous « py stringers/vnlts, fg-cg 2.00-4.00% 2.00-3.00mm»	108.00	109.49	M273863	1.49
		« 104.96- 105.10 GPHY bands x-cut by dk tan vnlts 60.00-140.00°»« dk tan vnlts w/ py 3.00% 2.00-3.00mm»				
		@ 105.86 shr frac 30.00° »				
		@ 106.00 TPHY fol 51.00° »				
		« 106.43- 106.48 wht qzvn w/ c.g. py 65.00-30.00°»« wht qzvn w/ cg py 12.00%»				
		@ 107.04 phyllitic interband w/ py vnlts 55.00-130.00° »				
		« 107.50- 107.70 phyllitic bands x-cut 60.00°»« x-cutting dk tan				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		strgrs/vnlts w/ med gy py 150.00-160.00° 1.00-3.00mm»				
		« 108.20- 108.45 ssgr/phyl fol w/ dk stringers 65.00-130.00°				
		1.00-3.00mm»				
		« 108.84- 109.33 shr'd + locly broken core »« dk-lt tan strgrs w/ py,				
		broken core 5.00-6.00°»« @ 108.84 graph gg, micro fit 53.00° 2.00-5.00mm »				
		« 109.33- 109.44 qtzt fol w/ healed frac fol(from shr) 55.00°				
		170.00-160.00°»« mg diss py 2.00%»				
		« @ 109.40 Lctc fol 70.00° »				
		109.49 111.40 TPHY/MDST	109.49	109.83	M273864	0.34
		Moderatly to weakly foliated. Light brown / tan (to very locally dark tan)	109.83	110.53	M273865	0.70
		phyllite to medium grey mudstone.				
		« 109.49- 109.72 TPHY »				
		« 109.72- 109.83 dk tan phyl w/ incr'd qtz vning w/ py (SILPHYSX)				
		4.00-6.00%»« grading, vfg - silty w/ py 0.01-2.00%»				
		« @ 110.70 S1 w/ D1 65.00-40.00° »				
		111.40 111.56 FLT				
		(+/_ Shear)	110.53	111.56	M273866	0.00
		Gouge to heavily sheared phyllite (grey) « py 0.01-0.10%»				
		@ 111.40 U ctc 65.00° »				
		« @ 111.56 L ctc 70.00° »				
		111.56 111.76 SILPHYSX	111.56	111.76	M273867	0.20
		SILPHYSX (+/- silicified fault berccia)				
		Heavily sulfidized and moderately silicified breccia (to SSMS).				
		« v.f.g. py 15.00-20.00%»« fol (rel to U ctc) 120.00-130.00°»				
		Brecciated fragments upto 2 cm in diameter in pyrite and mudstone / phyllite /				
		argillite matrix. Very dark brown overall.				
		« @ 111.76 L ctc w/ graph slip face 45.00° »				
		111.76 112.52 SILPHYSX	111.76	112.52	M273868	0.76
		(SHR / TPHY)				
		Heavily sheared / fractured , light to dark tan phyllite (mudstone).				
		Slightly brecciated« phy fol w/ shr fol (D1), fractures commonly have pale				
		green carbonate on face 55.00-30.00°»				
		« @ 112.52 less shr'd, phyl/mdst/argl fol, L ctc slip 70.00-145.00° »				
		112.52 114.34 SILPHYSX	112.52	113.80	M273869	1.28
		Not sheared.	113.80	114.34	M273870	0.54
		Dark brown / tan to locally dark grey phyllite.				
		3/5 silicified.				
		diss + strgr py 5.00-15.00%»				
		Dark tan sections, generally massive, « Si + py replacement 25.00%»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 112.60 fol 65.00-70.00° ,				
		@ 112.90 dom fol w/ secondary (D1) 60.00-40.00° ,				
		@ 113.05 graph slip 20.00° ,				
		@ 113.40 wavy fol (S1) 75.00-85.00° ,				
		« 113.84- 113.85 gg 70.00° »				
		« 113.89- 114.04 series of cb vnlt 60.00° 3.00-4.00mm »				
		@ 114.13 py vnlt 60.00° 2.00-3.00mm ,				
		« 113.30- 114.34 dk gy - blk argl +/-phy w/ 10-20% dk tn phy ARGL »				
		@ 114.34 L ctc, slightly mic flt'd w/ generally sharp ctc 70.00° ,				
		114.34 115.03 SSGR	114.34	115.03	M273871	0.69
		With minor SILPHYSX (sheared).				
		« 0.00- 115.03 m.g. - f.g. py strgr 3.00-6.00% »				
		Moderately fractured / sheared. Light to dark tan phyllite in course grained quartzite.				
		« wavy phyl fol 70.00-80.00° »				
		@ 115.03 L ctc at 90 deg to phyl fol 60.00° ,				
		115.03 115.80 SSGR/QVSX	115.03	115.80	M273872	0.77
		Light brown grey quartzite.				
		Sericite partings altered light brown to dark tan - brown where QVSX.				
		Very dark brown - red « stringers 30.00-35.00° 2.00-3.00mm » with « v.f.g. py 2.00-3.00% » and « aspy 0.50-1.00% » and possibly « sph 2.00-3.00% »				
		« py 1.00-2.00% »				
		Very weak foliation throughout.				
		@ 115.80 L ctc in gphy 70.00° 1.00cm x @ 115.80 x-cutting cb vnlt 150.00° 1.00mm ,				
		115.80 117.95 SSGR	115.80	117.35	M273873	1.55
		SSGR (+/- TPHY 5-8%)	117.35	117.95	M273874	0.60
		Light grey with local sericite / phyllite partings; relatively unmineralized 1-2%.				
		Variably foliated.				
		@ 116.40 tphy w/ py 40.00° ,				
		@ 117.16 ssgr fol 50.00° ,				
		@ 117.35 ssgr fol 40.00° ,				
		@ 117.45 ssgr fol 60.00° x @ 117.45 secondary fol/frac fol (D1) 30.00° ,				
		@ 117.95 L ctc 70.00° ,				
		117.95 118.23 FLT				
		FAULT				
		« 117.95- 118.05 flt ssgr »				
		« 118.05- 118.23 flt / shr »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		'ARGL - SILPHYSX)				
		« 117.95- 118.23 gg to sheared and bx'd 50.00-60.00° » « py 5.00% »				
		118.23 118.52 FLT				
			117.95	118.52	M273875	0.00
		FAULT +/-SSMS				
		Very dark brown cemented breccia; matrix of dark brown argillite. « Si + py 10.00-20.00% » « fol w/ D1 40.00-30.00° »				
		Massive with 1 - 3mm fragments.				
		« @ 118.52 sharp L ctc 40.00° »				
		118.52 120.52 SILPHYSX	118.52	119.68	M273876	1.16
		Sulfidized and moderately to well silicified argillite / phyllite, dark tan, to bleached, to dark grey, to black locally.	119.68	120.52	M273877	0.84
		« diss to strgr py 5.00-18.00% » « local py 25.00% »				
		« fol 70.00-75.00° »				
		« @ 120.20 fol 50.00° »				
		Irregular lower contact.				
		120.52 121.00 SSGR	120.52	121.00	M273878	0.48
		Sheared and sulfidized « diss + strgr py 4.00-10.00% »				
		« open frac's and shr 20.00° »				
		« 120.85- 120.87 graph shr 15 deg to gougy flt 15.00° »				
		121.00 135.50 SSGR	121.00	122.58	M273879	1.58
		Very light grey, grey - white to light brown tint due to <5%TPHY (sericite) partings.	122.58	124.01	M273880	1.43
		« 121.50- 121.58 qtz vnlt 20.00-30.00° 1.00-2.00mm »	122.58	124.01	M273881	1.43
		« 121.80- 122.40 py vnlt 45.00-55.00° 1.00mm »	124.01	125.58	M273882	1.57
		« 123.15-1213.21 FLT gg irreg ctc's »	125.58	127.10	M273883	1.52
		« 123.79- 123.86 phy ctc w/ py vnlt 70.00-60.00° 90.00° »	127.10	128.60	M273884	1.50
		« 124.59- 125.13 f.g. w/ irreg ctc FGSS »	128.60	130.05	M273885	1.45
		« @ 124.59 frac fol 70.00° »	130.05	131.21	M273886	1.16
		« @ 125.26 frac w/ local qtz vnlt 45.00° »	131.21	132.22	M273887	1.01
		« @ 125.82 frac 55.00° »	132.22	133.32	M273888	1.10
		« 125.82- 126.08 dk tan phyl partings in ssgr w/ mg-cg py 4.00% »	133.32	134.28	M273889	0.96
		« 126.08- 126.23 U ctc + L ctc GPHY 45.00-75.00° »	134.28	135.50	M273890	1.22
		« 126.49- 127.15 broken core »				
		« @ 127.10 argl w/ frac fol 30.00-150.00° »				
		« @ 127.44 argl fol w/ shr frac 45.00-155.00° »				
		« @ 128.30 shr frac 160.00-170.00° »				
		« @ 128.60 argl (blk) and cb vn 80.00° 4.00mm »				
		« @ 129.08 py vnlt w/ frac fol 65.00-155.00° »				
		« @ 129.30 open qtz-cb vn (wht) 150.00-160.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 129.65 GPHY fol w/ frac fol 85.00-155.00°				
		@ 130.40 ssgr/phyf fol 70.00-90.00° x @ 130.40 py vnlt and open frac 30.00-160.00° 4.00mm				
		@ 131.70 shr/micro flt 40.00°				
		@ 132.20 py vnlt 10.00° 3.00mm				
		@ 132.22 qtz vnlt 50.00° 2.00-3.00mm				
		« 132.40- 132.44 gphy fol 70.00°»				
		@ 132.80 x-cutting py vnlt w/ open frac's 20.00-160.00° 3.00-4.00mm				
		Intergranular phyllite / sericite, light green to bleached, to dark tan adjacent to « py stringers 5.00%»				
		« 132.20- 135.50 increased frequency of py vnlt + dark tphy tr of aspy 3.00%»				
		« 133.60- 134.28 multi py strgr's / vnlt w/ open frac 43.00-160.00°» « vnlt w/ tr aspy 0.01-0.90%»				
		« 134.28- 134.70 broken core »				
		« 134.70- 135.00 wk fol 70.00°»				
		@ 135.50 L ctc gg 55.00°				
		135.50 141.84 FGSS/TPHY	135.50	136.62	M273891	1.12
		FGSS (quartzite) with local interbands of greenish brown TPHY.	136.62	137.28	M273892	0.66
		SS is greenish tan in colour. Tends to split along local TPHY foliations. « vnlt + diss py 0.01-2.00%»	137.28	138.87	M273893	1.59
		« 135.50- 135.71 tphy interval w/ gougy clay on U ctc 52.00°»	138.87	139.36	M273894	0.49
		@ 135.67 irreg py / qtz vnlt 40.00°	139.36	140.23	M273895	0.87
		@ 135.74 aspy vn (f.g.) 40.00° 3.00-4.00mm	140.23	141.84	M273896	1.61
		@ 135.80 py qtz vn 37.00°				
		« 136.10- 136.22 set of 4 vuggy qzvn's 65.00-75.00° 3.00-5.00mm»				
		@ 136.32 qtz py vn 20.00°				
		@ 136.39 slip along tphy fol 50.00°				
		@ 136.62 slip face 35.00°				
		@ 136.72 py vnlt 58.00° 1.00-2.00mm				
		@ 136.97 slip face w/ lineations 28.00-10.00°				
		« 137.20- 137.24 qzvn w/ py blebs and vnlt 60.00-70.00°»				
		« 137.28- 138.53 slite-mod silic'd, brownish green TPHY » « py vnlt + diss 1.00-2.00%»				
		« 137.48- 138.03 3 frac's w/ ser on faces, mntr py diss -15.00°0°»				
		« 138.03- 138.06 fol 75.00-65.00°»				
		« 138.70- 138.75 4 vuggy qtz cb vn's 85.00-90.00° 1.00-4.00mm»				
		@ 138.84 qtz/py vn 50.00°				
		« 138.87- 139.36 w/ local interbds of tphy SSGR » « diss py + vnlt 4.00-6.00%» « parting along tphy fol 40.00°»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 139.36- 140.23 gm-brn, locally dk brn, mod silic'd w/ tr py TPHY »				
		« 139.95- 140.23 wht qzvn w/ irreg bands of dk tphy + ser »				
		« 140.32- 140.38 flt/shr zn, highly shr'd + slightly ggy 65.00-70.00° »				
		« 141.09- 141.45 U ctc shr'd/flt'd, w/ fol TPHY 85.00-45.00° »				
		« 141.73- 141.84 fg diss py + vnlt's (possible QVSX), ser on frac faces 5.00-7.00% »				
		141.84 151.37 GPHY	141.84	143.25	M273897	1.41
		With intervals of TPHY. Intervals of dark green to light green.	143.25	144.78	M273898	1.53
		Minor quartz veins (mm - scale) and veinlets.	144.78	146.34	M273899	1.56
		Becomes increasingly chloritic down hole.	146.34	147.83	M273900	1.49
		« @ 142.09 fol 72.00° »	146.34	147.83	M273901	1.49
		« @ 142.53 fol 64.00° »	147.83	149.06	M273902	1.23
		« @ 142.85 fol 65.00° »	149.06	150.35	M273903	1.29
		« @ 143.08 flt / shr w/ ggy clay on face »	150.35	151.37	M273904	1.02
		« 143.33- 143.43 local py blebs and diss 3.00-5.00% »				
		« @ 143.74 slip face 58.00° »				
		« @ 144.18 fol 70.00° »				
		« 144.84- 145.34 intense wht qzvning interbanded w/ tphy + chl 50.00-90.00° 0.50-4.00cm » « diss py 1.00% »				
		@ 145.67 fol 78.00° »				
		« @ 146.16 fol 82.00° »				
		« @ 148.67 qtz vnlt's sets, dk gy 67.00° 1.00mm »				
		« 149.00- 149.13 shr zn w/ broke core/ gg, ctc's 90.00° »				
		« @ 149.52 qtz / cb bleb 3.00cm »				
		151.37 158.40 TPHY	151.37	152.52	M273905	1.15
		Gradational contact from GPHY which decreases downhole. Common siliceous (sandy) intervals throughout. The change from previous GPHY to this interval is an increase in quartz and or carbonate veins causing an appearent, more tanned coloured rock.	152.52	153.92	M273906	1.40
		« @ 151.58 shr/slip w/ gg, along qtz/cb vn, fol is deformed at edges of slip 29.00° »	153.92	155.24	M273907	1.32
		« 152.17- 152.50 radiating qtz/cb vnlt's around central vn / healed frac, vuggy 34.00° »	155.24	156.65	M273908	1.41
		« 152.52- 152.90 harder , sandier unit, siliceous FGSS »	156.65	157.91	M273909	1.26
		« @ 152.64 qtz cb vnlt's 34.00° »	157.91	158.40	M273910	0.49
		« @ 152.91 sid, (large blue grains, possible Mn or Co) »				
		« 153.68- 164.26 Harder, very siliceous, sandier interval of FGSS 0° »				
		« 154.60- 154.65 Very siliceous FGSS 0° » « Carbonate blebs »				
		@ 155.16 Slight increase in GPHY (more green) 90.00° 20.00cm »				
		« 156.08- 157.91 Starts to appear as rare bands at beginning ARGL/GARG »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		by the end it is ~20%				
		« 157.91- 158.07 Blebs of TPHY with GARG 90.00° », approxemetly 60-65% GARG.				
		« 158.07- 158.17 GARG/black ARGL with apparent slip of a Fault/Shear zone 61.00° » « py 0.50-2.00% »				
		« 158.17- 158.40 TPHY (~40%) at top of interval with GARG with less than 5% (GARG) by the end of the interval. « py 0.50-1.00% »				
		158.40 159.14 GPHY/TPHY	158.40	159.14	M273911	0.74
		Similar to previous, with minor interbands of FGSS/TPHY down hole. Sparsly mineralized to trace to 1%. No arsenopyrite. Lower contact at 83 degrees.				
		« @ 158.54 Veins/blebs of Quartz and carbonate running 90.00° » and parallel to CA.				
		159.14 160.82 FGSS/TPHY	159.14	160.02	M273912	0.88
		Similar colour ot above, light yellow-brown with 80% FGSS or sandy TPHY. « quartz/py veinlets with a vein of py 0.50-1.00% »	160.02	160.82	M273913	0.80
		« @ 159.70 Foliation 82.00° »				
		« @ 160.02 Foliation 79.00° »				
		Lower contact at 75 degrees.				
		160.82 161.39 TPHY				
		« GPHY). Increased pyrite veinlets irregular orientation though generally ~45 degrees, <1-2mm.				
		« in quartz-pyrite-carbonate veinlets of py 0.50-2.00% » « bands of py 3.00mm »				
		Lower contact gradational, weak pyrite veinlet foliation (80 degrees). Lower contact at foliation fractures (85 degrees).				
		161.39 161.95 TPHY				
		Similar to above with out pyrite veinlets.	160.82	161.95	M273914	0.00
		« @ 161.80 Weak foliation of stringers of py 80.00° » « @ 161.80 Foliation fractures 80.00-85.00° » « py 0.50-1.00% »				
		161.95 164.15 FGSS/TPHY	161.95	163.37	M273915	1.42
		Similar to previous description.	163.37	164.15	M273916	0.78
		« @ 162.30 Foliation fracture (S1) 83.00° »				
		« @ 163.50 Foliation (S1) 83.00° »				
		To FGSS/GPHY @ 163.85				
		Lower contact at 75 degrees.				
		164.15 165.03 GPHY	164.15	165.03	M273917	0.88
		Grading to grey phyllite. Similar to TPHY but green, chlorite, getting to medium grey with depth; trace pyrite.				
		« @ 164.45 Fracture foliation 85.00° »				
		« @ 164.75 D1 80.00-70.00° »				

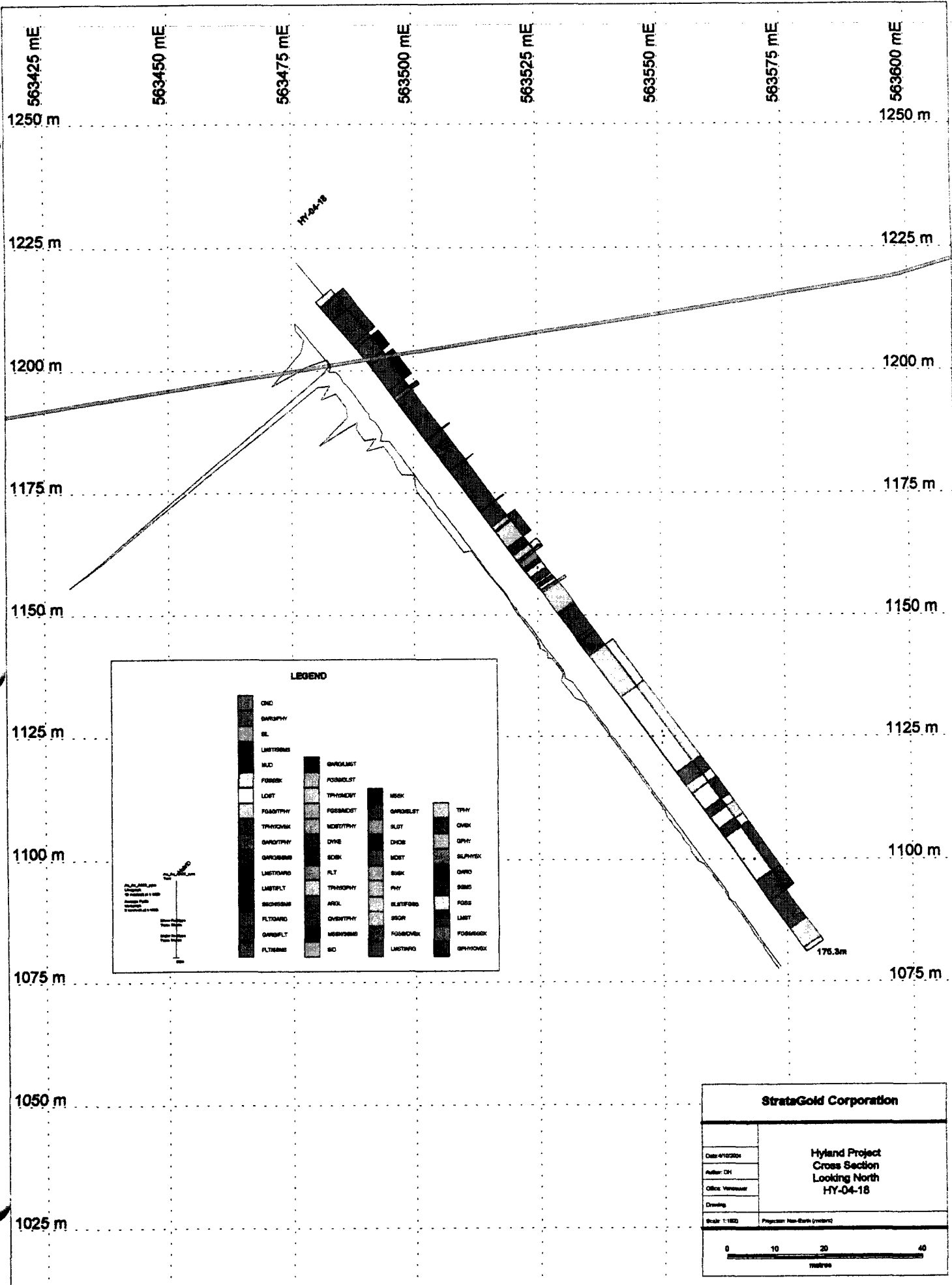
From	To	Rocktype & Description	S_from	S_to	Sample	Width
		re quartz-pyrite vienlets (@164.70m @60 degrees). 1mm.				
		@ 165.03 Foliation 85.00°				
		165.03 165.67 ARGL				
		(PHYL to ARGL) Dark grey to black, locally (GARG) with trace pyrite.				
		« 165.30- 165.63 With silty to FGSS interbands Shear/ARGL »				
		@ 165.35 S1 60.00°				
		@ 165.35 D1 30.00°				
		@ 165.55 Fold with hinge plain at 30.00°				
		Lower contact at 70 degrees, graphitic.				
		165.67 165.93 FLT/GARG				
		with minor quartz carbonate veining. Highly sheared/brecciated to almost				
		gouge, graphitic. More like limestone in a appearance but no reaction to HCl				
		(switched for graphite). Graphitic slip fracture faces at (60-45 degrees).				
		Lineation at 45 degrees. Limestone at 45 degrees. General rotation from 70				
		to 45 degrees with secondary foliation at 135 degrees (conjugate).				
		165.93 166.60 LMST				
		Dark grey to black. Thinly laminated with thin white calcite				
		laminae/blebs. Very fine grained disseminated to laminated « py 3.00%»				
		Upper contact at 60 degrees. @ 166.25 Foliation 50.00°				
		General Foliation 60.00°				
		@ 166.49 Becomes more fragmental (squished) in appearance in black ARGL				
		mix				
		Lower contact at 60 degrees.				
		166.60 166.87 ARGL				
			165.03	165.93	M273918	0.00
			165.93	166.87	M273919	0.00
		ARGL/LMST/TPHY				
		Argillaceous fragemented, flattened LIMST/ARGL/PHYL fragments in				
		black-carbonaceous and locally calcareous matrix.				
		« overall dark grey with disseminated py 0.50-1.00%»				
		1-2 calcite veinlets at 15 degrees (1mm). Minor medium grained disseminated				
		pyrite (trace -2% locally)				
		166.87 169.33 TPHY	166.87	168.30	M273920	1.43
		As previous with local siltstone to very fine grained sandstone bands (10%) and	166.87	168.30	M273921	1.43
		quartz veins.	168.30	169.33	M273922	1.03
		- vfg diss py 0.10-1.00%»				
		« 168.15- 168.30 S1 57.00-55.00°» « cb vnl 30 deg to S1 25.00°» « qtz cb				
		vn 170.00°» « py band 60.00°» « m.g.diss euhebral py cubes 2.00%»				
04/10/2004						

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 167.17 S1 fol 57.00°				
		« 168.80- 168.90 S1 60.00° » « py band along fol 60.00° » « cb vns 90 deg to S1 20.00-25.00° »				
		169.33 170.47 FGSS/TPHY	169.33	170.47	M273923	1.14
		Multiple <1 - 10 cm quartzite bands not as sericitized as previous. Beter sorting, some possibly quartz veins. « py 0.10-2.00% »				
		@ 169.33 U ctc 62.00°				
		@ 169.83 qtz - py vn at 15 deg 2.00%				
		« 170.00- 170.47 cb vns 20.00-30.00° » « S1 fol 65.00° » « grading to a slightly dk'r bm »				
		« 170.20- 170.25 cb alt'd ss 60.00-70.00° »				
		170.47 176.17 FGSS	170.47	171.28	M273924	0.81
		FGSS (to SSGR locally, or locally gritty / poorly silicified).	171.28	172.30	M273925	1.02
		@ 170.47 U ctc 60.00° » @ 170.47 qtz-py vn + x-cutting qtz vnls 30.00-150.00°	172.30	173.48	M273926	1.18
		Medium brown-grey to grey. Local TPHY to dk TPHY intervals. « py 0.10-6.00% »	173.48	174.73	M273927	1.25
		@ 170.80 phyl fol w.r.t. L ctc w/ ss 60.00°	174.73	176.17	M273928	1.44
		« 170.80- 172.30 ss/Qtz/phyl partings, dk - lt tan FGSS/QVSX » « more py-Qtz vns, upto 20% mg diss euh py 0.10-20.00% » « tr aspy »				
		@ 171.28 fol 59.00°				
		« 171.28- 171.64 GPHY fol 50.00-45.00° » « py-Qtz vn, fg - mg py, sub - euh cubes 0.01° »				
		« 171.82- 172.00 yphy fol 60.00-70.00° » « py dom in blebs »				
		@ 172.30 fol frac 62.00°				
		172.30 - 176.17: FGSS as above, very minor to trace TPHY to dark TPHY intervals				
		/ bands (<5%). Generally light grey.				
		« 172.30- 176.17 decreasing py 0.10-0.90% »				
		« 172.30- 172.55 py vnls 60.00-70.00° 1.00mm » « fol 60.00-70.00° » « wht qzvn 90 deg to fol 15.00° 2.00mm »				
		@ 172.55 fol w/ thin Qtz bands 50.00-45.00° » @ 172.55 py vnls x-cutting qzvns 100.00°				
		« 173.42- 173.65 slightly shr'd w/ fol 60.00-80.00° » « x-cutting py vnls 150.00° » @ 173.42 qzvn / frac 30.00°				
		@ 173.98 S1 w/ D1 60.00-40.00° » @ 170.47 cpy w/ dr Qtz fol'd w/ S1 + D1 (diagram) 2.00mm				
		« 174.43- 176.17 ss gritty w/ gen 1 mm grains SSGR ? »				
		« 173.98- 176.17 fol, overall decreasing in phy 60.00° » « decreasing in py vnls, f.g. diss 0.10-0.90% »				

Project: Hyland 2004 Logger

Hole Number:HY-04-17

[illegible]



From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	8.53	Casing no core recovery, HW drilling with tri-cone.				
8.53	10.00	FGSS Light grey-orange (moderately silicified quartzite with minor bleached to light grey-yellow phyllitic interbands). 5% + calcite veins (irregular to 85 degrees). Fine grained sandstone not reactive. Sharp lower contact (lower limestone not altered). « Foliation 85.00° » Moderate (2/5) oxidation with limonite and minor hematite on fracture surfaces.	8.53	10.00	M273929	1.47
10.00	13.80	LMST Limestone/Argillite. Black to dark grey. Lighter and generally thicker dirty limestone interbanded with black argillite. Limestone bands commonly with <1mm black specs (Argillite). 5-10% calcite veining. « Very fine grained disseminated py 0.50-1.00% » Most commonly in argillite (lenses). Well calcareous light bands, generally not calcite in black argillite bands/laminations. Increasingly argillaceous down hole. « @ 10.00 Foliation 84.00° » « @ 10.50 Foliation and cross-cutting Calcite veining 88.00-175.00 » « @ 12.88 Foliation 70.00° » -Calcite veins and veinlets, with cross-cutting thin (<1mm) calcite veinlets @ 20 degrees. Weak sericite alteration. « @ 13.72 Foliation 82.00° »	10.00	10.67	M273930	0.67
			10.67	12.20	M273931	1.53
			12.20	13.80	M273932	1.60
13.80	20.28	ARGL/LMST Gradational contact. Increase in black ARGL and decrease in LMST overall, still interbedded as above. « increase in diss + mic vnl + qtz/cb vnls py (locally up to 5-7% 1.00-2.00% » Interbanded black and dark grey; ARGL bands weakly to moderately silicified. Locally bleached/weakly sericite altered; weak and inconsistent. Common boudinaged calcite bands and fine grained pyrite. « @ 15.15 fol 74.00° » « 15.73- 15.89 fol w/ mm-mic flt'ing (no gg, displaced cc vnl) 70.00-74.00° » « 16.64- 16.65 mnrgg 70.00° » « 16.84- 16.85 qtz-py band 15.00% » « qtz-py band 80.00° » « @ 18.36 fol 81.00° » « @ 19.25 fol 85.00° » « @ 19.90 fol 78.00° »	13.80	15.25	M273933	1.45
			15.25	16.76	M273934	1.51
			16.76	18.28	M273935	1.52
			18.28	19.81	M273936	1.53
			19.81	20.28	M273937	0.47

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 20.06- 20.16 folded + mic-flt'd (photo) 60.00-35.00°»				
		« 20.16- 20.58 broken core »				
		20.28 21.20 FLT/GARG	20.28	21.20	M273938	0.92
		Lost core. Major fault zone (?).				
		Only 20cm of gouge, believe to be zone of lost core.				
		Black, gouge to very fragmented.				
		Calcareous.				
		« Disseminated py 0.01-1.00%»				
		21.20 25.00 ARGL/GARG	21.20	21.50	M273939	0.30
		Black to dark grey. Black argillite interbanded with light grey	21.50	22.86	M273940	1.36
		quartz-carbonate bands. Not calcareous or interbanded with limestone as	21.50	22.86	M273941	1.36
		previous. « Generally stringers and veinlets of py 0.10-3.00%», or in	22.86	24.15	M273942	1.29
		laminations. Local quartz-pyrite bands up to 30% pyrite.				
		« 21.20- 21.50 Quartz band with py 30.00-35.00%»				
		SSMS, minor carbonate, no visible arsenopyrite, massive stringers/veinlets to				
		thick concentrated disseminations. Foliated (Upper and lower contact at ~80				
		degrees.) « Local surfaces of slip and shear 40.00°»				
		« @ 21.97 Slip and Shear 70.00° »				
		« @ 22.05 Foliation 70.00° »				
		« @ 23.16 Foliation 75.00° »				
		« 24.36- 24.45 FLT/GARG 60.00°»				
		« @ 24.56 Foliation 87.00° »				
		« 25.04- 25.91 Lost core, shear to local fault »				
		25.00 25.91 FLT				
			24.15	25.91	M273943	0.00
		Lost core, interpreted to be fault gouge. Last piece is very folded with (S1)				
		near verticle (parallel to CA ~5 degrees) and D1 at 70 degrees. « py 28.00%».				
		Returns to previous foliation.				
		25.91 32.30 ARGL/GARG	25.91	26.40	M273944	0.49
		As previous.	26.40	28.96	M273945	2.56
		« @ 26.84 Foliation 76.00° »	28.96	30.60	M273946	1.64
		« @ 27.81 Foliation 73.00° »	30.60	32.30	M273947	1.70
		« 28.38- 28.41 Shear 70.00-80.00°»				
		« @ 29.80 Foliation 73.00° »				
		« 30.14- 30.22 Shear to minor faulting »				
		32.30 34.05 ARGL	32.30	32.89	M273948	0.59
		lightly sericitized (1/5) and slightly more massive than previous. Overall	32.89	34.05	M273949	1.16
		dark grey with slight green tint (MDST).				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 32.55- 32.58 Shear / minor fault 60.00° »				
		« 32.68- 32.89 Multiple pyritic bands of py 20.00% », trace to dark green phyllite.				
		« @ 32.85 Foliation 69.00° »				
		« @ 33.50 Foliation 80.00° »				
		34.05 34.90 FLT/ARGL	34.05	34.90	M273950	0.85
		Dark grey to dark green-grey.				
		« Gouge to heavily sheared 70.00-80.00° »				
		« bands of py 2.00-5.00% »				
		34.90 47.24 ARGL	34.90	36.55	M273951	1.65
		As above, to MDST.	36.55	38.10	M273952	1.55
		« @ 35.61 Foliation 85.00-90.00° »	38.10	38.64	M273953	0.54
		« 35.91- 36.00 S1 75.00-80.00° » « with shear 30.00° »	38.64	40.11	M273954	1.47
		« @ 36.30 Foliation 85.00-90.00° » « @ 36.30 Local D1 (as above) 30.00° »	40.11	41.15	M273955	1.04
		« 37.16- 37.18 Shear 60.00° »	41.15	42.65	M273956	1.50
		« @ 37.30 Quartz Vein 155.00° 5.00mm » « @ 37.30 Foliation 83.00° »	42.65	44.20	M273957	1.55
			44.20	44.88	M273958	0.68
		« 38.64- 38.70 Gougy fault alteration zone, quartz eyes » « Disseminated py 1.00-2.00% »	44.88	47.24	M273959	2.36
		« 38.75- 38.77 Foliation Pyrite vein 50.00-60.00° »				
		« 38.64- 40.11 Foliation displays various angles to CA crenulations and quartz veining abundant 5.00-10.00% » on foliation and cross cutting				
		« 44.88- 45.09 Fault/alteration zone and quartz veining (5%), quartz eyes present, clay like gouge »				
		« 46.91- 47.24 Quartzite with quartz veining abundant 75.00% » and minor inclusive black / dark grey argillite, quartz veining, disseminations of « cpy » and « py »				
		47.24 67.14 ARGL	47.24	48.04	M273960	0.80
		Black argillite/dark grey, fine grained black to dark grey, has the appearance of graphite. Foliation range from 50 to 90 degrees to CA. Minor cross-cutting pyrite veinlets <1%, small (<1%) quartz veining core typically easily fractured/noncoherent.	47.24	48.04	M273961	0.80
		« 47.24- 50.51 Foliation 75.00° »	48.04	50.51	M273962	2.47
		@50.77- 50.98 same description as (46.91-47.24) with out the chalcopyrite.	50.51	51.03	M273963	0.52
		« 52.88- 52.98 Fault / alteration zone with minor visible py 0.80% »	51.03	53.34	M273964	2.31
		with gouge/clay.	53.34	54.86	M273965	1.52
		« 54.80- 55.70 Zone of core bleaching (moderate) » core displays abundance of clay in mini fractures, quartz boudin present (1 cm size) core ss competent.	54.86	56.39	M273966	1.53
		« 58.24- 58.53 Pair of fault / alteration zones », clay / gouge, broken	56.39	57.91	M273967	1.52
			57.91	59.44	M273968	1.53
			59.44	60.69	M273969	1.25
			60.69	62.48	M273970	1.79
			62.48	64.00	M273971	1.52
			64.00	65.53	M273972	1.53

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		core.	65.53	67.14	M273973	1.61
		@ 59.91 Foliation 60.00°				
		@ 60.28 Foliation 50.00 » @ 60.28 Quartz vein cross cutting foliation at 145.00°				
		@60.75 -60.95				
		Quartz veinlets cross cutting foliation at 0 degrees to CA then feeding smaller veinlets into foliation cross cutting argillite. Foliation @ 155 degrees to CA.				
		Argillite foliation at 50-60 degrees some S type fold / crenulations visible.				
		« 63.30- 63.48 Alteration zone/possible fault, gouge / clay abundant » « disseminated py 1.00% ». Areas of visible foliation with altered core.				
		@ 65.53 Foliation 80.00-90.00°				
		67.14 68.25 GPHY	67.14	68.25	M273974	1.11
		Green phyllite/ green mudstone. Fine grained, foliation at 55 degrees to CA. The first 40 cm are altered/gougey clay, minor limestone partings towards 68.0568.25 when it fades into LMST.				
		« 67.22- 67.62 Alteration / fault zone Gouge / broken core, sericite present » on foliation, minor siderite alteration.				
		68.25 68.58 LMST	68.25	68.58	M273975	0.33
		Foliation @ 40-50 degrees to CA, minor siderite alteration				
		68.58 72.56 GPHY	68.58	70.08	M273976	1.50
		Green phyllite / Green mudstone, fine grained, foliation at 60-65 degrees to CA. Trace sulfides, very minor veining (veinlets) cross-cutting @ 135 degrees.	70.08	71.63	M273977	1.55
			71.63	72.56	M273978	0.93
		« 71.31- 71.54 Alteration zone of clay/gouge, core is minorly bleached, no visible sulphides »				
		72.56 74.44 LMST	72.56	74.06	M273979	1.50
		Foliation at 60 degrees to CA. Minor cross-cutting calcite veinlets and quartz veinlets.	74.06	74.44	M273980	0.38
			74.06	74.44	M273981	0.38
		74.44 76.35 GPHY	74.44	75.94	M273982	1.50
		Green phyllite with FGSS partings and abundant sericite (GPHY). Fine grained, soft core, minor quartz veining. Trace pyrite, commonly disseminated on foliation at 50-70 degrees to CA.				
		« 75.79- 75.94 Fault / alteration zone, quartz eyes prevalent. Gouge / clay (95%) » with extensive bleaching, trace sulphides (pyrite).				
		76.35 77.72 FLT	75.94	77.72	M273983	0.00

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Zone of intense brecciation, sericite alteration, bleaching. Core is extensively broken, core shows foliation at all angles to CA due to brecciation. Breccia ranges from cm's to mm's in sizes. Quartz veining/blebs with occasional veining at 40, 75 and 90 degrees. Very minor siderite alteration. Quartz eyes present in locals.				
		« 77.07- 77.34 Black gouge/clay, trace pyrite, quartz eyes abundant (mm's) »				
		« 77.34- 77.72 Quartz flooded quartzite, core is coherent yet extensively fractured, sericite prevalent »				
		« @ 77.72 Contact at 65.00° »				
		77.72 78.60 LMST	77.72	78.60	M273984	0.88
		Limestone dark-light grey alternating bands, thinly banded, fine-grained, s-folds/crenulations common. Sericite occasionally on foliation, minor episodes of bleaching indicating hydrothermal alteration; foliation common at 55-60 degrees. Trace pyrite on foliation.				
		« @ 78.03 Quartz vein 55.00° 2.00cm »				
		78.60 80.24 FGSS	78.60	80.24	M273985	1.64
		Medium to light grey, fine to medium grained sandstone, appears to be fining downward. Trace pyrite, zone ranging in hardness, demonstrating episodes of calized alteration, minor GPHY parting.				
		« 78.60- 78.78 FGSS »				
		-contains abundant sericite, soft core, minor siderite staining, possibly very minor GPHY banding within.				
		« 79.31- 79.44 Green and dark green (foliation) GPHY 60.00° »				
		80.24 81.68 GPHY/MDST	80.24	81.68	M273986	1.44
		Black/green - argillite/phyllite, fine grained. Foliation at 55 to 90 degrees to CA. More common at 55 to 65 degrees. Minor sericite both on foliation and cross-cutting within fractures. Very minor cross-cutting fractures filled with dolomite				
		81.68 82.24 FGSS				
		Fine to medium grained sandstone, some areas more silicified than others (variable). Trace sulfides.				
		82.24 82.94 GPHY/MDST				
			81.68	83.18	M273987	0.00
		Black/green - Argillite/Phyllite, some description as above (81.68-82.24). Foliation at 60 degrees. Some episodes of medium grained sizes.				
		82.94 83.82 FGSS	83.18	83.82	M273988	0.64
		Same as above units description for FGSS with apparent fining downward (possibly ?).				
		83.82 84.37 Fault	83.82	84.37	M273989	0.55

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		fault ?				
		Sand remnants, sand is medium grained with FGSS pebbles (cm - sized) at 84.30				
		-				
		84.37m.				
		84.37 89.38 SSGR	84.37	85.87	M273990	1.50
		Sandstone grit but really medium grained sandstone.	85.87	87.37	M273991	1.50
		« < 1% py 0.01-0.90% »	87.37	89.38	M273992	2.01
		Minor quartz veinlets at no particular orientation. Difficult to tell if fining upward or downward.				
		« 87.00- 87.22 green/dk gy ARGL » « argl w/ fol 55.00-65.00° »				
		« 88.31- 88.93 gm / dk gy w/ fol Argillite 55.00-65.00° »				
		89.38 89.83 ARGL				
			89.38	90.88	M273993	0.00
		Black argillite				
		« fol 90.00-60.00° »				
		« 89.63- 89.83 flt/alt zn, blk clay/gg w/ mnrr diss py <1% »				
		89.83 96.01 LMST	90.88	92.38	M273994	1.50
		Dark grey/black to light grey fine grained. « fol 70.00-35.00° »	92.38	93.88	M273995	1.50
		Trace of pyrite on foliation. « tr on fol py 0.10-0.90% »	93.88	95.38	M273996	1.50
		Minor quartz veinlets and boudins. Veinlets typically offset forming S-form and sigma forms indicating minor strain.	95.38	96.01	M273997	0.63
		« 95.48- 95.73 black ARGL » « fol w/ mnrr py (<1%) 85.00-90.00° »				
		96.01 96.93 ARGL	96.01	96.63	M273998	0.62
			96.63	98.43	M273999	0.00
		Black/grey argillite, fine grained. « fol 50.00-70.00° »				
		« @ 96.93 L etc 70.00° »				
		96.93 100.31 LMST	98.43	99.81	M274000	1.38
		Dark grey/black to light grey, fine grained, minor quartz boudins, veinlets, S-forms, sigma forms. « fol 65.00-70.00° ». Offsets of veinlets demonstrate (cm sized offsets).	98.43	99.81	389351	1.38
		« @ 98.01 qzvn, no vis sx 65.00° 4.00cm »	99.81	100.31	389352	0.50
		« 99.81- 100.31 blk argl w/ fol 75.00-80.00° »				
		100.31 115.31 SSGR	100.31	101.81	389353	1.50
		SSGR / FGSS / GPHY / ARGL	101.81	103.31	389354	1.50
		Light grey with a greenish hue, Interbanded black-grey argillite / phyllite (mudstone). Occasional large quartz veins 10's cm thick. Minor dolomite, sericite, quartz veins carry occasional arsenopyrite and pyrite disseminations but very minor, <1%.	103.31	104.81	389355	1.50
			104.81	106.31	389356	1.50
			106.31	108.20	389357	1.89
			108.20	109.70	389358	1.50
		« 100.72- 100.82 dk gy/blk ARGL/PHYL » « fol 65.00° »	109.70	110.97	389359	1.27
		« 100.87- 100.94 qzvn w/ diss py and aspy 0.10-0.90% »	110.97	112.47	389360	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 101.40- 101.50 argl/phyl w/ fol 65.00-70.00°»	110.97	112.47	389361	1.50
		« 101.90- 102.01 argl/phyl w/ fol 85.00-87.00°»	112.47	113.97	389362	1.50
		« 102.11- 102.44 argl/phyl w/ fol 87.00-90.00°»	113.97	115.31	389363	1.34
		« 103.60- 103.89 argl/phyl w/ fol 87.00-90.00°»				
		« 104.97- 105.17 argl/phyl w/ fol 85.00-90.00°»				
		« 105.34- 105.55 argl/phyl w/ fol 90.00°»				
		« 106.00- 106.35 phyl/argl w/ fol 88.00-90.00°»				
		« 106.72- 108.12 fgss/ssgr now has brn/grn phyl/mdst partings modelled w/in it »				
		« 108.12- 110.97 blk argl/phyl w/ fol, tr py on fol 65.00-90.00°»				
		« 112.38- 112.42 argl/phyl w/ fol 65.00°»				
		« 113.59- 114.09 argl/phyl w/ fol 75.00°»				
		115.31 116.49 LMST	115.31	116.49	389364	1.18
		Black limestone with quartz and calcite veinlets x-cutting as highlights. Core is extensively broken and multiple zones of faulting / alteration where present is gouge / clay which is slightly bleached grey. « py, v. mntr »				
		116.49 130.30 SSGR/FGSS	116.49	117.91	389365	1.42
		SSGR/FGSS with minor black argillite partings. Trace of sulfides within quartz veins/veinlets.	117.91	119.41	389366	1.50
		generally quartzite. Multiple fining downward sequences from sandstone or medium grained grit through siltstone to argillite/mudstone. Quartz is a green / grey colour and slightly sericitized (1/5). Mudstone / argillite green - grey to black; siltstone intervals in between quartzite and dark mudstone (black), generally green - grey as well.	119.41	120.40	389367	0.99
		Overall green - grey (quartzite).	120.40	121.90	389368	1.50
		Trace to locally 1% (rare) thin pyrite veinlets, trace disseminated pyrite, no visible arsenopyrite.	121.90	123.44	389369	1.54
		Minor mm to cm scale quartz and quartz/carbonate veining. No associated mineralization and rare, very weak bleaching or associated alteration of host rock (quartzite).	123.44	124.94	389370	1.50
		« 117.63- 117.72 argl parting, blk, f.g., U + L ctc + fol 45.00°»	124.94	126.49	389371	1.55
		« @ 118.06 qzvn 10.00° 1.00cm » « diss py + possible tr bornite 0.10-0.90% »	126.49	128.07	389372	1.58
		« @ 118.40 qtz bleb which thins toward flt 20.00° » « @ 118.40 ser + diss py carried in flt 1.00% »	128.07	129.54	389373	1.47
		« 118.38- 118.66 qtz blebs butting adjacent to argl partings »	129.54	130.30	389374	0.76
		« 120.32- 120.42 argl parting along fol 45.00-70.00°»				
		« @ 120.45 grain fol / S1 65.00-70.00° »				
		« @ 120.45 mcr-flting w/ x-cutting qzvn 30.00-145.00° »				
		« 121.02- 121.15 fining down seq, from grit-ss-siltst-argl »				
		« @ 121.02 fol 80.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 121.70 fol w/ x-cutting qzvn 80.00-168.00°				
		@ 122.75 fol w/ healed slip (graphic) w/ mnz qtz-cb vning 66.00-34.00°				
		« 123.10- 123.14 wht qzvn w/ secondary fol of ser 80.00-30.00°»				
		« 123.45- 123.47 qtz-cb vn w/ slip on face 45.00°»				
		« 124.29- 124.36 mnz fling of mdst w/ hinge at 70 deg (diagram) 8.00-45.00°»				
		@ 124.50 qtz-cb vn 170.00° 2.00-4.00mm « @ 124.50 fol 75.00° »				
		« 124.94- 125.21 mod frag of mdst in qtz, fol, w/ weak fol of frags 40.00-125.00°»				
		« 125.40- 125.50 fol w/ weak qzvnng at 30-45 deg rotating to 70 deg to fol 65.00°»				
		« 125.59- 125.61 dom fol (argl) and qzvnng 60.00°»				
		« 126.07- 126.15 weak shr of qtz vnls in qtz, (top to bottom) 50.00-80.00°»				
		« 126.35- 126.45 fol/banding (S1) w/ mcr fling/slipage 80.00° 70.00-50.00°»				
		« 127.09- 127.11 qzvn 40.00°»				
		« 127.19- 127.20 qzvn parallel to fol 65.00°»				
		« 127.25- 127.43 fol (gritty qtz) w/ multiple wht qzvns // to fol + cutting, mod Sil'd (3/5) wklyblc 80.00-130.00°»				
		@ 127.77 S1 fol / lam in mdst 85.00°				
		« 127.78- 128.07 fining down seq from grit to silt/mdst 0°» « fol w/ mod qtz vning (90 deg to fol) locally 180 deg 60.00-130.00°» « mnz vugs w/ euh qtz, vn's have weak cb alt (1/5) »				
		@ 128.48 lam / S1 81.00°				
		« 128.51- 128.60 qtz (+/- cb) vning 60.00-150.00°»				
		« 128.69- 128.76 wht qzvn 60.00-70.00°»				
		@ 129.01 lam / fol (S1) 83.00°				
		@ 129.54 lam / fol (S1) 70.00-80.00°				
		@ 130.30 sharp L ctc 65.00°				
		130.30 133.51 ARGL (MDST)/LMST	130.30	131.92	389375	1.62
		<i>Dominantly dark grey argillite (very weak green tint) grading to or locally interbanded with intervals of calcareous siltstone to fine grained calcic quartzite. No coarse grit or gains > 1mm.</i>	131.92	133.51	389376	1.59
		« py, trace »				
		Core is soft. Minor quartz and/or carbonate veining generally parallel to foliation fabric.				
		« overall fabric 80.00-65.00°»				
		@ 130.65 S1 80.00°				
		@ 131.35 S1 65.00°				
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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 133.50- 133.51 flt/shr gg and fol 65.00-75.00° »				
		133.51 135.52 SSGR/FGSS	133.51	134.64	389377	1.13
		Light green grey quartzite, generally medium grained to locally course grained; locally grading to and/or interbanded with FGSS (QTZT) to ARGL (MDST).	134.64	135.52	389378	0.88
		« f.g. py lam 0.10-1.00% »				
		Grains weakly foliated with weak (1/5) sericitization of intergranular argillite. Minor quartz - carbonate veining.				
		« @ 134.71 fol (grain) 70.00° »				
		« @ 135.00 fol 70.00° »				
		« @ 135.05 qtz-cb vn 40.00° »				
		« @ 135.52 grain fol 70.00° »				
		135.52 139.84 FGSS/ARGL	135.52	137.00	389379	1.48
		FGSS/ARGL (GPHY)	137.00	138.53	389380	1.53
		Similar to previous. Dominantly fine grained to medium grained sandstone locally grading to or interbanded with siltstone to argillite; minor SSGR.	137.00	138.53	389381	1.53
		Pale green overall, sericitized (1+/5) and possibly weakly chloritized. « tr py (diss to vnlt) 0.10-0.90% »	138.53	139.84	389382	1.31
		Minor quartz - carbonate veining.				
		« @ 135.64 fol (argl) 69.00° »				
		« @ 136.47 py band 69.00° 2.00mm »				
		Most commonly appears to fine-down, however, local sequences appear to fine-up;				
		there is no evidence of folding.				
		« 137.20- 137.21 qzvn (wht) 65.00° »				
		« @ 138.60 slip // to fol w/ open fracs 50.00-150.00° »				
		« 138.80- 138.90 dom fabric w/ a frac fol 70.00-140.00° »				
		139.84 141.63 ARGL/FGSS	139.84	141.63	389383	1.79
		ARGL/FGSS (+/- SLTSTN)				
		Dark grey to green argillite to siltstone interbanded with and grading to lesser intervals of fine grained sandstone.				
		« 139.84- 139.91 qtz-cb vning, massive + irreg; poss shr/flt related »				
		« 139.91- 140.10 shr/mnr flt zn w/ slippage and gg 60.00-30.00° »				
		« @ 140.20 fol w/ folded qtz-cb vn (deformed) 62.00-140.00° »				
		« 140.66- 140.87 Black and green ARGL 60.00° » with cross cutting quartz carbonate veinlets at 30 degrees to foliation and at 65 degrees, appear to be				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		filled fractures. Gradational lower contact appears to be fining up from 141.17 to 141.63.				
		141.63 144.59 FGSS	141.63	143.21	389384	1.58
		with minor SSGR. Light green to grey fine to medium grained sandstone, sericite (1/5) locally grading to coarse grained sandstone. Minor local hydro-fracturing, trace to no disseminated pyrite. Similar to previous, though less argillaceous. Gradational upper contact.	143.21	144.59	389385	1.38
		« 142.17- 142.18 "Vuggy" white quartz vein and open hydrofracture 15.00-25.00° »				
		« @ 142.64 Foliation (S1) 60.00° » with fractures foliation (hydro) at 20 degrees.				
		« 143.03- 143.06 White quartz vein (folded on itself) 30.00° »				
		« @ 143.78 Bottom of a fining down sequence to sharp contact with a medium grained sandstone 50.00° »				
		« 144.95- 144.96 Quartz vein 40.00° »				
		« 145.02- 145.03 Quartz vein at 70.00° » « with hydro fractures 140.00-160.00° »				
		Lower contact at 55 degrees (sharp).				
		144.59 146.66 ARGL	144.59	146.00	389386	1.41
		Argillite/FGSS. Generally dark grey ARGL, interbanded with light green grey ARGL/MDST/GPHY and local light green fine grained sandstone. Similar to previous.	146.00	146.66	389387	0.66
		« @ 144.78 S1 foliation 68.00° »				
		« @ 144.19 S1, with slip 75.00° » Displacement of 1-2 cm at 90 degrees at 40-30 degrees.				
		« 145.37- 145.53 Cross-cutting quartz filled fractures, dominate foliation at 63.00° »				
		« 145.75- 145.81 Fining up sequence »				
		« 146.02- 146.05 Shear/Micro-faulting 60.00° »				
		« @ 146.05 S1 (foliation) 60.00-70.00° »				
		« 146.23- 146.24 White quartz vein (60) with secondary foliation 20.00-30.00° »				
		« 146.24- 146.26 Quartz vein, foliation 70.00-80.00° » with cross-cutting quartz-carbonate vein at 130 degrees.				
		Lower contact at 75 degrees (sharp).				
		146.66 157.70 FGSS	146.66	147.83	389388	1.17
		FGSS/ARGL similar to previous. Dominantly green-grey, weakly sericitized sandstone (1/5) interbanded with and locally grading to SSGR and down to ARGL/MDST. Trace to locally 1% disseminated or quartz vein pyrite.	147.83	149.34	389389	1.51
			149.34	150.88	389390	1.54
			150.88	152.38	389391	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		◊ @ 147.27 Foliation 72.00°	152.38	153.92	389392	1.54
		Green grey with gradational changes into grey FGSS. Interbanded ARGL and MDST	153.92	155.45	389393	1.53
		(green-grey ARGL and dark grey-black MDST).	155.45	156.97	389394	1.52
		◊ @ 148.13 slip face at 43.00°	156.97	157.70	389395	0.73
		« 148.13- 148.23 Weakly bleached with carbonate blebs »				
		◊ @ 148.35 Quartz vein 75.00-80.00° 1.00-1.60cm ◊ @ 148.35 py 0.50%				
		« 148.62- 148.65 Quartz vein with trace py 80.00° »				
		« 148.72- 148.81 Zone of broken up MDST and Qzvn, slip 80.00° »				
		« 148.92- 149.11 Interval of interbanded ARGL and MDST with minor cb veinlets »				
		« 149.82- 150.70 Fining up sequence from FGSS to MDST (??) »				
		« 149.82- 150.04 MDST/ARGL interbands with minor cb veinlets, upper contact sharp at 75.00° »				
		« 151.33- 151.78 Interbanded ARGL/MDST »				
		« 151.35- 151.40 White quartz vein with py stringers 1.00mm »				
		◊ @ 151.58 Foliation 70.00-80.00°				
		◊ @ 151.65 Fault gouge 80.00°				
		« 151.88- 152.01 White quartz vein with py veinlet »				
		@ 152.01 Fault gouge 84.00°				
		◊ @ 152.45 White quartz vein 70.00°				
		◊ @ 152.51 Foliation 55.00°				
		◊ @ 153.10 Slip face with cc 80.00°				
		◊ @ 153.17 Foliation 80.00°				
		« 153.20- 153.32 White quartz vien with veinlets of chalcopryite 5.00% »				
		Minor sericite alteration				
		« 153.92- 154.21 Fining down sequence, medium to fine grained sandstone »				
		sharp lower contact with SSGR at 66 degrees.				
		« 154.72- 154.80 zn with carbonate blebs and py 1.00% »				
		« 155.18- 155.45 zone of increased quartz veining/silicification »				
		◊ @ 155.55 Quartz-carbonate- py vein 60.00°				
		◊ @ 156.09 MDST band with py stringers at 75.00° 2.00cm				
		« 156.20- 156.26 White quartz vein »				
		157.70 162.52 MDST	157.70	159.17	389396	1.47
		Interbanded dark grey MDST with green-grey ARGL. Core becomes paler green downhole. Has multiple micro-faults and slip faces along foliation and cross-cutting foliation with cm scale displacement.	159.17	160.67	389397	1.50
			160.67	162.20	389398	1.53
		◊ @ 157.95 Quartz / py vein 1.00%				
		@ 158.03 Foliation 85.00°				
		◊ @ 158.37 Micro fault cross-cutting foliation 50.00°				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		<p>◁ @ 158.71 Foliation 85.00° » @ 158.17 micro-fault 50.00° »</p> <p>◁ @ 159.85 Micro-fault, cross cutting foliation 55.00° »</p> <p>◁ @ 160.52 Foliation 75.00° »</p> <p>◁ @ 161.37 Foliation 74.00° »</p> <p>« 161.92- 162.52 Zone of more calcareous core, interbedded with LMST, bands up to 4.00cm »</p>				
		162.52 169.45 ARGL	162.20	163.71	389399	0.00
		ARGL/MDST with local silty to sandy intervals. Pale green to green-grey-sericite. No longer calcareous as above.	163.71	165.25	389400	1.54
		◁ @ 163.07 Dominate foliation (S1) 79.00° » with secondary foliation (D1) with carbonate-quartz veinlets at 90 degrees to (S1) at 130 degrees.	163.71	165.25	389401	1.54
		« 163.71- 164.40 Sandy/silty ARGL, plae green and sericite crenulated foliation (contact) 77.00° »	165.25	166.85	389402	1.60
		Locally slightly bleached grey to dark green and chlorite.	166.85	168.43	389403	1.58
		◁ @ 164.90 S1 80.00° » @ 164.90 Shear face at angle to S1 90.00° »	168.43	169.45	389404	1.02
		« 165.30- 165.40 S1 75.00° » « Micro-faulting/slip at angle to S1 90.00° », added to slippage.				
		◁ @ 165.60 S1 foliation 82.00° »				
		« 165.70- 165.90 S1 foliation 75.00-80.00° » « Quartz-carbonate and trace py veinlets 100.00-120.00° 1.00-2.00mm »				
		◁ @ 166.18 S1 81.00° »				
		◁ @ 166.84 Gradational to dominetly dark grey ARGL from domnietly green to grey »				
		« 166.84- 166.95 Shear, S1 75.00° » « with shear-crenulations 40.00-30.00° » associated white quartz-carbonate veins at 40 degrees. ◁ @ 167.55				
		S1 86.00° »				
		◁ @ 167.75 S1 84.00° » with weak shear crenulations at 33 degrees.				
		◁ @ 168.21 S1 70.00° »				
		« 168.61- 168.66 Shear to moderet fault gouge (S1 at) 80.00° 2.00cm » « Shear is at 40.00° »				
		◁ @ 169.16 S1 84.00° »				
		◁ @ 169.45 Slightly sheared lower contact 40.00° »				
		169.45 174.18 SSGR	169.45	171.00	389405	1.55
		(with ARGL locally 10%). Light green-grey intergranular sericite with white	171.00	172.60	389406	1.60
		grains. <1mm to 3-5mm grained sandstone/coarse-grained grit. Rare quartz eyes	172.60	174.18	389407	1.58
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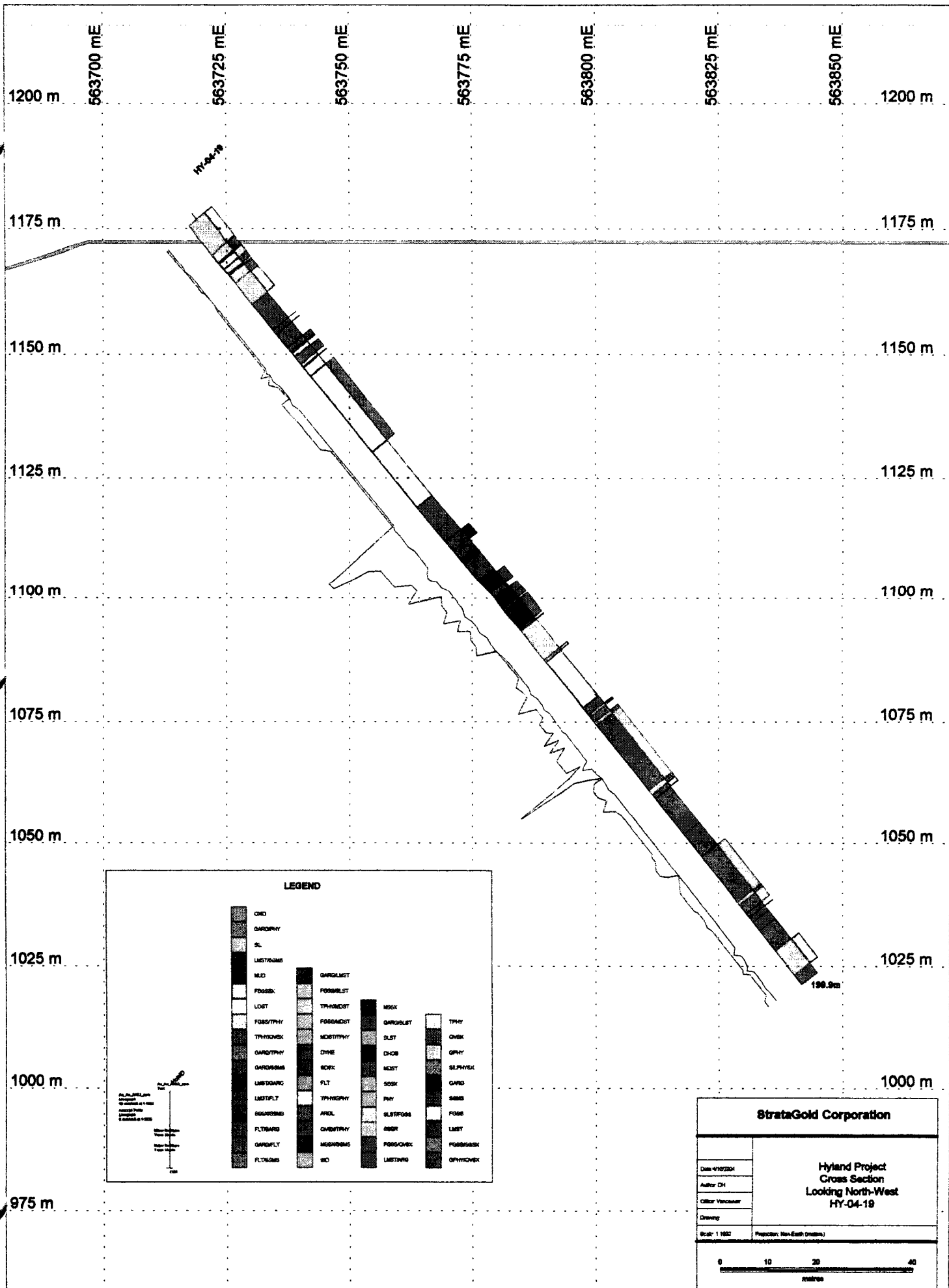
Project: Hyland 2004 Logger

Hole Number: HY-04-18

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		<p>clear. No mineralization, generally well sorted, locally appears poorly sorted. Minor quartz veining (+/- carbonate).</p> <p>« 169.50- 169.65 S1 (grained oriented) foliation 70.00° » « with cross cutting quartz-carbonate veins 140.00-5.00° 1.00-5.00cm »</p> <p>« 170.35- 170.50 Foliation of sericite in quartz at 60.00-70.00° »</p> <p>« @ 171.00 Quartz vein (white) 15.00° » with « @ 171.00 foliation 70.00-80.00° »</p> <p>« @ 172.15 Foliation (black ARGL) 70.00° »</p> <p>« @ 172.60 Grain foliation 75.00° » with secondary crenulation foliation at 40 degrees.</p> <p>« 173.92- 174.18 Rotation of grain foliation from 80 to 50 to, at base 40.00° » « weak crenulation foliation towards base at 20.00° »</p> <p>Lower contact sharp to black/dark green ARGL at 40 degrees.</p> <p>174.18 175.26 FGSS</p> <p>Pale green grey, less sericite than previous sandstone. Trace disseminated pyrite.</p> <p>« 174.35- 174.50 Dominate foliation/banding at 70.00° » with « secondary shear/fracture filling at 150.00° », cross-cutting</p> <p>« @ 174.85 Dominant foliation 55 60.00° » « with weak crenulation foliation 30.00° »</p> <p>« 175.01- 175.02 White quartz vein/band at 50.00° » with « weak crenulation foliation 30.00° »</p> <p>« @ 175.26 ARGL bands at 70.00° » « @ 175.21 quartz-carbonate vein with 1 bleb of pyrrhotite »</p> <p>EOH 175.26</p> <p>175.26 175.26 EOH</p>				
			174.18	175.26	389408	1.08

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	1.52	Casing				
		Casing (HW) no core recovery.				
1.52	8.72	OXID	1.52	3.02	389409	1.50
		Oxidized sandstone/sandstone grit. Coherent core, medium and fine	3.02	4.52	389410	1.50
		grained, quartz has appearance of "cottage cheese" within core. Siderite blebs,	4.52	6.02	389411	1.50
		veins abundant, vuging is prevalent, minor limonite on fracture. « tr py » «	6.02	7.52	389412	1.50
		tr aspy » « fol (mnr) 55.00° »	7.52	8.72	389413	1.20
		Minor dolomite with quartz veins.				
		« @ 7.05 qtz vnlts 45.00° »				
		« @ 7.88 dol vnl w/ euh dol xtls + sid 23.00° »				
8.72	11.04	GPHY	8.72	10.22	389414	1.50
		Green phyllite/mudstone.	10.22	11.04	389415	0.82
		Fine grained, very broken (poker chips), limonite staining abundant on				
		foliation and pervasive. Sericite minor but present, none visible on foliation.				
		« foliation 55.00-85.00° »				
		« @ 8.80 foliation 80.00-85.00° »				
		« @ 9.50 foliation 60.00-65.00° »				
		« 10.75- 10.90 flt zn, v. broken core to gg/clay, no vis sx, 0° » « mnr				
		bleaching of clay + adjacent coherent core indicating mnr fluid alt »				
11.04	12.54	FGSS/GPHY	11.04	12.52	389416	1.48
		Fine grained sandstone with interbedded green phyllite/mudstone, colour of core				
		has dark grey to green hue. Similar to green phyllite. Abundant				
		limestone/siderite in foliation/fracture.				
		« fol 65.00-75.00° »				
12.54	13.88	GPHY	12.52	13.88	389417	0.00
		Same as above GPHY description. « fol 70.00-75.00° ». However core is more				
		broken with higher abundance of sericite (possible fault zone ?).				
		« 13.82- 13.88 v. tan + f.g. + v. siliceous, U + L ctc Silicified TPHY				
		85.00-70.00° »				
13.88	14.25	LMST	13.88	14.25	389418	0.37
		Fine grained. Black and grey to white alternating foliation. « fol				
		90.00-75.00° »				
		No visible sulfides.				
14.25	16.38	GPHY	14.25	15.50	389419	1.25
		Green phyllite / mudstone	15.50	16.38	389420	0.88
		Green to light green, fine grained. Fractures in 2-3 cm pieces,	15.50	16.38	389421	0.88
		limonite/siderite on fractures, siderite pervasive. « fol 75.00-85.00° »				
16.38	22.18	SSGR	16.38	17.88	389422	1.50
		(OXID/SSGR) Oxidized Sandstone/sandstone grit. (same as initial	17.88	19.38	389423	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		(description).	19.38	20.89	389424	1.51
		« 16.38- 17.07 Sandstone has abundant siderite blebs / veinlets and staining », core is broken with occasional black argillite partings (<2 cm thick).	20.89	21.79	389425	0.90
		« @ 16.38 A fault zone, cannot tell how thick how ever gouge/finely broken core prevalent » @ 16.38 quartz vein adjacent to contact 60.00-65.00° 1.00cm »				
		« @ 16.90 Quartz vein 80.00-85.00° », containing 5-10% dolomite disseminations with siderite riddled throughout fractures.				
		« @ 17.31 Quartz vein 30.00° 1.00cm »				
		« 18.60- 19.00 Quartz has a quartz veinlet/stringer episode whereby there is an abundance », of quartz stringer predominantly @ 40-50 degrees.				
		« 20.99- 21.79 same as above with veining 35.00-50.00° »				
		« 21.59- 21.79 Core becomes very broken slightly bleached with a 3.00cm» thick green phyllite at contact with LMST unit next. Sericite present, possible fault or fractures zone, siderite abundant.				
		« @ 21.79 Contact 50.00-55.00° »				
			21.79	23.29	389426	0.00
		22.18 33.12 LMST	23.29	24.79	389427	1.50
		limestone, black and grey and white banding, foliation common at 60 degrees. However ranges from 90 to 50 degrees, minor disseminated pyrite possible arsenopyrite can be seen on foliation (trace).	24.79	26.21	389428	1.42
		« @ 25.60 Foliation 60.00° »	26.21	27.37	389429	1.16
		« @ 26.40 Foliation 60.00° »	27.37	28.62	389430	1.25
			28.62	30.12	389431	1.50
			30.12	31.62	389432	1.50
		« 27.37- 28.62 Limestone has under gone episodes of interbedded silification extreme » silicification from 28.25 to 28.57 m. Silicified core cannot be scratched by a nail and has become a brown colour (SIL-LMST)				
		« 28.57- 28.62 Fault zone with hydrothermal alteration core is broken clay like/gouge with heavy » siderite staining, « Foliation 60.00° » on contacts, mild acidic reaction.				
		« @ 29.26 Foliation 65.00° »				
		« 29.64- 29.72 Fault zone, broken pieces minor gouge, thick quartz veins 10.00cm» thick (29.72-29.73) on foliation, no visible inclusive sulfides perhaps, perhaps trace, foliation near 90 degrees to CA.				
		« @ 30.12 Foliation 85.00° »				
		« @ 31.62 Foliation 85.00° »				
			31.62	33.17	389433	0.00
		33.12 34.65 ARGL	33.17	34.28	389434	1.11
		Grey Phyllite/Mudstone, fine grained medium grey colour. « Foliation	34.28	34.65	389435	0.37

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		5.00-65.00». Core is soft, sericite pervasive, minor quartz stringers.				
		33.10 -33.53 Phyllite is extensively bleached a uniform light grey, core is still coherent indicating only hydrofluid alteration, not faulting. Core recovery good. Sericite is profuse (>40%).				
		« 34.78- 34.65 FLT/GARG »				
		Fault zone with hydrothermal alteration, gouge/clay is black with « Disseminated py 1.00%», possible other sulfides however very small difficult to infer.				
		34.65 40.48 FGSS	34.65	35.63	389436	0.98
		Fine grained sandstone (Quartzite), fine to medium grained, blue/grey coloured core, foliations visible averaging 60-70 degrees. Minor siderite staining on fractures.	35.63	37.40	389437	1.77
			37.40	38.90	389438	1.50
			38.90	40.48	389439	1.58
		« 34.65- 35.25 Graphitic Argillite is interbedded with sandstone » which yields a conductive media. « Foliation 60.00-70.00», possibility the above fault was a graphitic argillite?? « Disseminations on foliation of py 0.80%»				
		« 35.63- 37.40 Fault zone containing black clay/gouge and small pieces of core », predominantly graphitic argillite, minor quartzite. « disseminations of py 0.50%» and « aspy 0.50%» on foliation.				
		« 38.18- 38.28 Fault zone of quartzite/sandstone, mainly broken core pieces », not abundant clay/gouge, indicating possibly only faulting, no alteration evidence.				
		« @ 38.90 Foliation 70.00° »				
		« 39.11- 39.32 Quartz veins and stringers prevalent, dolomite (>5%), common on foliation at 70.00°»				
		40.48 60.37 FGSS	40.48	41.98	389440	1.50
		Fine grained sandstone with grey/green mudstone/sericite partings. Sandstone is distinctly lighter in colour, finer grained and lacks in brilliance of foliation as above unit. Sericite is prevalent on foliation and is where core fractures. « dissemination appear generally on foliation py 1.00%» « Foliation 70.00-75.00°»	40.48	41.98	389441	1.50
			41.98	43.48	389442	1.50
			43.48	44.98	389443	1.50
			44.98	46.48	389444	1.50
			46.48	47.98	389445	1.50
		« @ 49.48 Foliation 90.00° »	47.98	49.48	389446	1.50
		« @ 52.48 Foliation 70.00° »	49.48	50.98	389447	1.50
		« @ 56.69 Foliation 65.00° »	50.98	52.48	389448	1.50
		« @ 57.50 Foliation 70.00-75.00° »	52.48	53.98	389449	1.50
		« 57.23- 60.73 Increased amount of GPHY partings »	53.98	55.48	389450	1.50
		« 59.21- 59.76 Quartz veins and boudins, mainly on foliation 1.00-2.00cm» thick, also travelling from foliation to parallel with core axis, no visible sulfides disseminated within.	55.48	56.98	389451	1.50
			56.98	58.48	389452	1.50
			58.48	59.74	389453	1.26
		« 59.94- 60.10 Green phyllite partings larger than average »				
		« @ 60.10 Foliation 60.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		◁ @ 61.26 Foliation 60.00-62.00° ▷				
		60.37 75.11 FGSS	59.74	61.26	389454	0.00
		<i>Fine grained sandstone (Quartzite) becomes alternating in banding of somewhat etched or porous with tan/brown staining, core reacts with acid indicating pervasion carbonates present. Predominant quartzite is of the light brown carbonate variety.</i>	61.26	62.79	389455	1.53
			62.79	64.31	389456	1.52
			64.31	65.84	389457	1.53
			65.84	67.36	389458	1.52
			67.36	68.88	389459	1.52
		◁ @ 62.79 Foliation 65.00° ▷	68.88	70.40	389460	1.52
		◁ @ 65.84 Foliation 60.00° ▷	68.88	70.40	389461	1.52
		◁ @ 67.18 Foliation 70.00° ▷	70.40	71.93	389462	1.53
		◁ @ 68.88 Foliation 75.00° ▷	71.93	73.45	389463	1.52
		◁ @ 71.93 Foliation 80.00° ▷	73.45	75.11	389464	1.66
		◁ @ 73.07 Foliation 70.00° ▷				
		◁ 73.02- 74.18 Core is 50% grey phyllite and 50% light grey sandstone, foliation at 70.00-85.00° ▷ without carbonates. 2-3cm quartz boudins.				
		◁ @ 73.41 Heavily sericitized ▷				
		75.11 86.66 ARGL	75.11	76.53	389465	1.42
		<i>ARGL/SX (argillite [black] with sulfides). Black with minor light grey bands, fine grained, foliations are frequently irregular although foliation can be measured. Minor veins / veinlets and boudins of quartz and dolomite, siderite present but minor, pyrite as veinlets and blebs and disseminations on foliation common at about 3-5%. Occasional conductive readings indicate minor graphite content yet low.</i>	76.53	78.03	389466	1.50
			78.03	79.55	389467	1.52
			79.55	81.08	389468	1.53
			81.08	82.60	389469	1.52
			82.60	84.12	389470	1.52
			84.12	85.64	389471	1.52
		◁ @ 75.11 fol 90.00° ▷	85.64	86.66	389472	1.02
		◁ @ 76.53 fol 90.00° ▷				
		◁ 76.80- 76.85 finely broken core, flt zn, no bleaching or mineralization ▷				
		◁ 77.01- 77.03 band of massive f.g. py 90.00° ▷				
		◁ 78.22- 78.28 semi-massive f.g. py (80%) 90.00° ▷				
		◁ 80.34- 80.40 semi massive f.g. py 40.00-50.00° ▷				
		◁ @ 82.60 fol 80.00-85.00° ▷				
		◁ 83.49- 83.58 hydro alt zn w/ possible flt, core is coherent + fol is clearly visible 80° ▷ ◁ f.g. diss py, vugging small + pervasive 2.00-5.00% ▷				
		◁ @ 84.18 slight increase in graph content or argl ▷				
		◁ 84.86- 84.73 qtz vn w/ py (1%), ser + mnrl chl on frac 40.00° ▷				
		◁ 85.58- 85.72 Quartz vein, containing minor dolomite and sericite 40.00° ▷ ◁ oxidized py 0.80% ▷				
		◁ 85.84- 86.00 as above with py 1.00% ▷				
		◁ 86.15- 86.20 Quartz vein with 10-15% dolomite at 75.00° ▷ ◁ disseminated py 1.00-2.00% ▷				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
86.66	88.82	FLT/GARG	86.66	87.17	389473	0.51
		AULT - with Graphitic Argillite	87.17	88.02	389474	0.85
		« 86.66- 87.17 Fault zone »	88.02	88.82	389475	0.80
		Indicated by initial 2 cm's of fault gouge/clay dark grey to black. Contact at 55 degrees following argillite foliation. Core then becomes extensively fractured with graphitic argillite fragments / quartz vein fragments, of fragment of quartz veins recovered. 1 vein is of 1/5 cm thick at 65 degrees found at ~ 89.86, another found at ~ 86.93 with a width of 4-4.5cm at 60-62 degrees. (contains minor vugging, < mm size)				
		« 87.17- 88.02 Fault Zone continues with a zone of sandy/ gravel like gouge and clay » has appearance of fresh asphalt, quartz eyes and sulphides « py 1.00-2.00% » contained with slurry.				
		« 88.02- 88.82 Fault Zone continues with now broken gravel sized pieces of core. » Graphitic sections showing slickensides and polished sides, some quartz pieces have rusty pyrite inclusive as disseminations.				
88.82	90.16	GARG	88.82	90.22	389476	0.00
		Core becomes more coherent to where foliation can be obtained at an overage of 75 degrees. Sulphides « py 3.00-5.00% » seen cross cutting foliation in veins/ veinlets occasionally with dolomite and quartz as well as on foliation, pyrite in fine grained, graphite is now abundant.				
90.16	94.42	FLT/GARG	90.22	92.02	389477	1.80
			92.02	93.27	389478	1.25
		« 90.16- 90.25 Perhaps another fault zone, core is extremely broken to shards. » However no gouge present « py 1.00-2.00% »				
		« 90.60- 92.02 Core become very broken and minor black sandy bits, indicating fault zone. » shiny graphite surfaces are abundant. « py 1.00-2.00% »				
		« @ 92.40 Foliation 60.00° » with quartz stringer cross-cutting and on foliation.				
		« 92.95- 93.08 Fault zone with broken fragments to fine grained pieces (sand-like) » « py 1.00% »				
		« 94.09- 94.42 Fault zone, begins with broken core and ends with 8 cm's of gouge/clay. » « fine grained and black disseminated py 1.00% »				
			93.27	94.79	389479	0.00
94.42	98.14	GARG	94.79	96.32	389480	1.53
		« @ 94.79 Foliation 58.00° »	94.79	96.32	389481	1.53
			96.32	97.84	389482	1.52
		« 95.33- 96.02 Core becomes moderately bleached and has marked				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		increase quartz » stringers/ boudins/ s form. Core appears dull. « py 2.00-3.00% » « foliation 30.00-40.00°» « @ 96.32 Foliation 65.00-70.00° » « 96.45- 99.36 Foliation pattern is lost to irregular, crenulations are sever within » microfoliation, « as seen on foliation patterns, py 2.00-3.00%»				
		98.14 107.41 FLT/GARG	97.84	99.36	389483	0.00
		Fault Zone, indicated by extensively broken core and abundant gouge/clay with inset quartz eyes, some quartz eyes 1 cm with although predominately elongate	99.36	100.90	389484	1.54
		and long axis following direction of foliation, marked by abundance of quartz eyes from 96.06-99.36, « disseminated py 4.00%»	100.90	102.41	389485	1.51
		« @ 99.54 Zone of broken, slightly gougey core, possible fault zone 2.00-5.00cm », thickness difficult due to core recovery.	102.41	103.94	389486	1.53
		« @ 100.55 Foliation 70.00-85.00° »	103.94	105.46	389487	1.52
		« 100.90- 101.03 Fault zone, core is extremely broken, mixed with gouge/clay and black sandlike pieces » « py 1.00%»	105.46	106.91	389488	1.45
		« 102.34- 102.80 Core is broken to gravel size with sloppy sandy clay indication of another fault zone » « py 2.00-3.00%»	106.91	107.41	389489	0.50
		« 107.91- 108.08 Fault zone indicated by extensively fragmented core » « Foliation 60.00° » « py 1.00%»				
		« @ 107.40 Contact 50.00° »				
		107.41 115.53 SSGR	107.41	108.51	389490	1.10
		Light grey coloured, uniform quartzite, predominantly fine grained, foliation is occasionally visible. Core is very coherent with little core loss, quartz veins occasional with minor stringers demonstrating minor straining with s-forms.	108.51	110.03	389491	1.52
		« 107.41- 108.30 Minor argillite partings found between quartzite » « disseminated py 3.00-5.00%»	110.03	111.56	389492	1.53
		« 108.38- 109.09 Quartz contains quartz veins, no visible sulphides -30.00° 0° 1.00cm»	111.56	113.08	389493	1.52
		« 110.61- 110.71 Argillite parting, foliation 35.00° »	113.08	114.60	389494	1.52
		« @ 114.93 Dolomite blebs, not a vein however somewhat like with size of 1.00cm »	114.60	115.53	389495	0.93
		« @ 115.21 same as above, pieces 0.50-1.00cm »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
15.53	128.20	FGSS	115.53	116.97	389496	1.44
			116.97	118.47	389497	1.50
		« 115.53- 116.97 GARG zn, f.g. foliation 40.00-55.00° »	118.47	119.97	389498	1.50
		« 115.53- 116.10 core is soft and dull FLT zn w/ mnr hydro alt 0° »	119.97	121.47	389499	1.50
		« 115.75- 116.00 broken core, approached clay size foliation 40.00° »	121.47	122.97	389500	1.50
		« 116.97- 118.18 fol w, intensive qzvn 45.00° » « py assoc w/ vning 1.00% »	121.47	122.97	389801	1.50
			122.97	123.75	389802	0.78
		« 119.80- 120.07 fol in argl w/ qzvning 65.00-55.00° » Quartz veins are adjacent to argillite and are on foliation or are boudin forms parallel to foliation.	123.75	125.27	389803	1.52
			125.27	126.80	389804	1.53
			126.80	127.99	389805	1.19
		« 120.27- 120.41 py in bleb + qzvns 1.00% » A quartz zone with 60-70% quartz veining, cannot obtain angles to core axis because appear more as quartz peices/blebs.				
		« @ 120.52 quartzite foliation 85.00-90.00° » Half cm thick stacked quartz vein which appears to have drawn some quartz from the foliation or perhaps has tried to intrude the quartzite foliation (photo). Quartz veins are at 25 degrees to core axis. Minor graphitic argillite adjacent to veining.				
		« 120.93- 121.08 f.g. may have evolved from small vn py diss abundant 00% » « foliation of quartzite 80.00-90.00° »				
		« @ 122.07 qzvn on fol 40.00° 1.00cm »				
		« @ 122.69 qzvn on fol 50.00-55.00° 2.00cm » « @ 122.69 frac w/ diss py 1.00% »				
		« 123.51- 123.61 crenulated ARGL »				
		« @ 123.51 U ctc 75.00° »				
		« @ 123.61 L ctc 40.00-45.00° »				
		« @ 123.90 fol 40.00° »				
		« 125.02- 125.10 partings along fol w/ U ctc ARGL 45.00-87.00° » « @ 125.10 L ctc w, tr py 40.00° »				
		« 125.10- 125.34 qzvn's predominantly on fol 55.00-65.00° 0.50-5.50cm » Quartzite / sandstone, contains an abundance of quartz veins (50-60%). « tr py »				
		« 125.95- 126.11 ARGL w/ qzvn'ing, U + L ctc 88.00-65.00° » « py diss, predom w/in frags of qzvn's 3.00-5.00% »				
		« @ 126.80 FLT w/ graph + polished py surface (slicks) 40.00° »				
		« 127.73- 127.78 fol in ARGL 80.00-90.00° » « @ 127.73 contact 50.00° »				
		« 127.99- 128.01 FLT zn b/ qtzt + argl, w/ blk clay/gg 80.00° » « py 1.00% »				
		« 127.99- 128.75 changing from fgss to argl 50.00% »				
		« 128.16- 128.20 FLT zn w/ blk clay/gg » « qzvn w/ diss py (1%) w/in its				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		fracs, is adj downhole 55.00° 1.00cm»				
128.20	151.84	ARGL	127.99	128.75	389806	0.00
		(ARGL/ with minor sandstone/quartzite (SSGR) partings and zones) Argillite is predominantly black with grey sandstone and quartz partings. Fine grained, foliations drastically can vary with crenulations, fault, etc, pyrite and pyrrhotite are found as disseminations and minorly as veinlets typically on foliation.	128.75	129.99	389807	1.24
		« @ 129.25 foliation 80.00-90.00° »	129.99	130.43	389808	0.44
		« 129.99- 130.43 SSGR partings py + po in diss vnls 1.00-1.00%»	130.43	131.85	389809	1.42
		« @ 130.43 ARGL/QTZT ctc, which is same as last 10cm's of qtzt partings 65.00-70.00° »	131.85	132.55	389810	0.70
		« @ 130.95 foliation 85.00-90.00° »	132.55	134.05	389811	1.50
		« 131.85- 132.55 ssgr partings, ctc 85.00°»	134.05	135.77	389812	1.72
		« @ 131.85 qtz same as above qtz partings w/ py + po 1.00% »	135.77	136.17	389813	0.40
		« @ 132.55 L ctc 58.00-60.00° »	136.17	137.02	389814	0.85
		« 135.77- 136.17 partings w/ U + L ctc 65.00deg SSGR »« py + po 1.00%»	137.02	137.40	389815	0.38
		« 136.65- 136.79 SSGR »« diss/vnls of py 1.00%»	137.40	138.08	389816	0.68
		« 137.02- 137.40 w/ U + L ctc SSGR 800.00-85.00°»« diss py 2.00-3.00%»	138.08	138.40	389817	0.32
		at most concentration due to veinlets / blebs. Proximal to same quartz / dolomite veinlets.	138.40	139.90	389818	1.50
		« 138.08- 138.40 SSGR »« foliation 70.00°»« py on fol 8.00-10.00%»	139.90	141.41	389819	1.51
		« @ 138.15 cc filled healed frac, mnr py on chilled margins 0.01° 15.00cm »	141.41	142.26	389820	0.85
		« 138.85- 138.99 SSGR »« ss/qtzt partings, fracs 25.00°»« frac healed by py 1.00%»	142.26	142.26	389821	0.85
		« 139.58- 142.26 qtz partings 65.00-70.00°»« argl fol 70.00-75.00°»« py + tr po 1.00%»	142.26	143.76	389822	1.50
		« @ 142.26 qtzt / argl ctc 85.00° »	143.76	145.26	389823	1.50
		« @ 142.35 foliation in ARGL 90.00° »	145.26	146.76	389824	1.50
		« 142.79- 143.01 1st appearance of gy phy mdst PHY »« foliation 90.00-85.00°»« f.g. py on fol as diss 1.00%» Soft rock, blends passively into argillite (black).	146.76	148.13	389825	1.37
		« @ 143.71 py vn 150.00° 3.00mm »	148.13	149.75	389826	1.62
		« @ 143.71 ARGL foliation 75.00° »	149.75	150.99	389827	1.24
		« 145.57- 145.71 qtz/ss partings foliation 80.00°»« diss py 1.00%»				
		« 146.50- 146.57 A quartz/sandstone parting exists with »« py 1.00%» and « po 0.80%» « on foliation 75.00°»				
		« 149.75- 150.81 SSGR » Sandstone/quartzite parting with minor (<5%)				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		interbedded black argillite				
		@ 149.75 Contact 70.00°				
		@ 151.81 Contact 85.00°				
		« 151.60- 151.62 Fault zone/pssoble alteration zone, marked by black gouge/clay on foliation 85.00-90.00°»				
		« 151.79- 151.84 Fault zone and hydrothermal alteration zone, gouge/clay bleached slightly to a » lighter black/grey, marks the contact which is @ 151.84m to medium grey phyllitic mudstone				
			150.99	151.90	389828	0.00
		151.84 161.23 PHY	151.90	153.40	389829	1.50
		Mediumk grey phyllitic mudstone (grey phyllite). Core is fine grained and soft. « Foliation 85.00-90.00°» with « py 1.00%» and « po 0.80%». Little quartz veinlets predominantly on foliation.	153.40	154.90	389830	1.50
			154.90	156.40	389831	1.50
			156.40	157.90	389832	1.50
		« 159.80- 160.86 Black ARGL »	157.90	158.30	389833	0.40
		Argillite zone, same as above argillite units. « Foliation 70.00°»	158.30	159.80	389834	1.50
		With minor cross cutting « Cacite and dolomite veinlets 160.00-165.00°» No sulphides associated with carbonate viening. « disseminated (on foliation) py 0.80%	159.80	160.86	389835	1.06
			160.86	161.23	389836	0.37
		161.23 181.66 ARGL	161.23	162.73	389837	1.50
		ack fine grained argillite. Predominetly with grey phyllitic mudstone/argillite (grey phyllite) and (SSGR) sandstone/quartz partings. « Foliation 85.00-90.00°» with « disseminated py 1.00%» and « po 0.20%» and « chalcopyrite 0.20%»	162.73	164.22	389838	1.49
			164.22	165.62	389839	1.40
			165.62	166.42	389840	0.80
			165.62	166.42	389841	0.80
		« 162.36- 162.37 Fault zone with hydrothermal alteration, consists of bleached grey gouge/clay, very » isolated effected area (2cm's). Trace sulphides present	166.42	167.92	389842	1.50
			167.92	169.47	389843	1.55
			169.47	170.99	389844	1.52
		« 162.73- 163.03 Grey PHY »	170.99	172.52	389845	1.53
		Grey phillitic mudstone parting, fine-grained and soft. « Foliation 70.00°» « minor disseminations of py 1.00%» on foliation.	172.52	174.04	389846	1.52
			174.04	175.56	389847	1.52
			175.56	177.08	389848	1.52
		« 165.62- 166.35 SSGR »	177.08	178.61	389849	1.53
		Sandstone/quartz parting with interbedded black argillite (8-10%). « Foliation 85.00-90.00°». Quartz is light grey and fine grained« minor disseminated po 0.20%»	178.61	179.55	389850	0.94
			179.55	181.07	389851	1.52
			181.07	181.66	389852	0.59
		« 167.05- 167.54 Several interbedded (SSGR) sandstone/ quartzite beds containing » « disseminated py 1.00-2.00%», « po 0.20%» and « chalcopyrite 0.10%». « Foliation 80.00-90.00°». Perhaps trace chalcopyrite.				
		« 163.46- 164.20 Grey PHY »				
		ame as above, « Foliation 70.00°», « disseminated py 1.00%» on foliation.				
		« 165.62- 166.35 SSGR »				

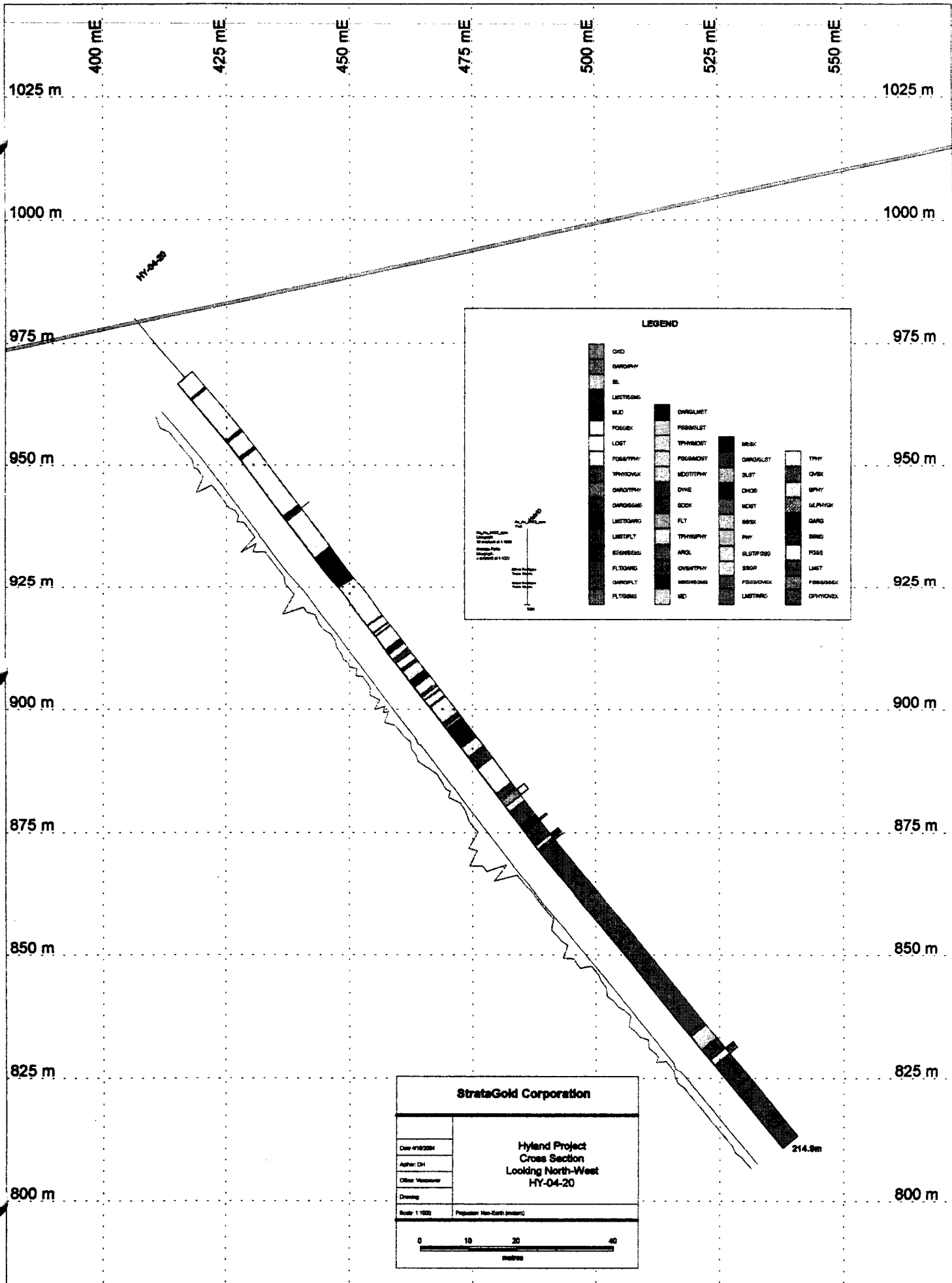
From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Sandstone/quartz partings with interbedded black argillite (8-10%). « Foliation 5.00-90.00° ». Quartz is light grey and fine grained, minor « disseminated po ». (trace).				
		« 167.05- 167.54 Several interbedded (SSGR) sandstone/quartzite » containing « disseminated py 1.00-2.00% », « po 0.20% » and « cpy 0.10% » « Foliation 80.00-90.00° »				
		« 168.58- 169.22 SSGR »				
		Sandstone / quartzite unit with interbedded (mm thick) black argillite partings. « foliation 90.00° » and minor « disseminated py 0.80% » and « po 0.20% »				
		« 175.03- 175.06 Fault zone / alteration zone dark grey gouge / clay induction » of hydrothermals. Very minor « disseminated py 0.20% »				
		« 175.24- 175.92 SSGR »				
		Quartzite / sandstone with (5-8%) black argillite partings. « foliation 75.00° »				
		« @ 177.79 Quartz Vein 155.00° 1.00cm »				
		« @ 177.79 py 1.00% »				
		« 178.76- 179.45 SSGR »				
		Fine grained grey sandstone / quartzite. « Foliation 60.00-65.00° ». Core is fractured yet healed with sulphides, « py 0.80% », quartz veinlets, contact at 178.76 at 85 degrees. Contact at 179.45 is ~ 40 degrees. However brecciation of core at 179.37.				
		« 179.43- 179.55 Fault / alteration zone »				
		Contact can be distinguished for core is coherent, fault zone is on quartzite side. Abundant with quartz eyes (cm sized), sericite and slightly bleached core; on argillite (black) side, core is very altered however foliation is intact, core is like mica sheets; easily flaked off. Black/grey gouge (1 cm thick) adjacent to coherent black argillite at « foliation 60.00° ». Trace sulphides.				
		« 180.43- 180.53 SSGR parting with foliation at 60.00° » and « disseminated py 0.80% »				
		« 180.75- 180.84 same as above foliation at 65.00-70.00° »				
		181.66 183.92 PHY	181.66	183.18	389853	1.52
		Grey phyllitic mudstone, dark grey/grey, fine grained mudstone. Same as above grey phyllite units. « on foliation py 0.80-1.00% » typically, « @ 181.66 Contact 70.00° »	183.18	183.92	389854	0.74
		« @ 181.85 Foliation 60.00° »				
		« 182.68- 182.72 Fault zone / alteration zone, foliation at 85.00° » with fault zone at 55 degrees. Fault consistant of light grey gouge / clay, some				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		<i>Foliation structure preserved. Sericite prevalent, however core is always soft</i>				
		<i>« 183.00- 183.04 same as above, however only clay gouge, no structure preserved »</i>				
		183.92 186.14 ARGL	183.92	185.42	389855	1.50
		<i>Black Argillite, same description as above Argillite units.</i>	185.42	186.14	389856	0.72
		<i>Upper contact at 70-80 degrees</i>				
		<i>Lower contact at 65 degrees.</i>				
		186.14 191.28 PHY	186.14	187.64	389857	1.50
		<i>Grey phyllitic mudstone, same as above grey phyllite descriptions with «</i>	187.64	188.28	389858	0.64
		<i>foliation and contact 65.00-70.00°»</i>	188.28	189.84	389859	1.56
		<i>« disseminated py 0.80%»</i>	189.84	190.80	389860	0.96
		<i>« 186.92- 186.99 Black argillite, foliation at 75.00-80.00°»</i>	189.84	190.80	389861	0.96
		<i>« 188.28- 188.49 Black argillite partings, however abundance of</i>	190.80	191.28	389862	0.48
		<i>dolomite/calcite stringers throughout 5.00-8.00%»</i>				
		<i>« @ 189.00 Foliation 60.00° »</i>				
		<i>« 189.84- 190.01 Grey phyllitic mudstone, foliation at 65.00-70.00°»</i>				
		<i>Upper contact at 105 degrees</i>				
		<i>Lower contact on foliation</i>				
		<i>« 190.36- 190.65 Black argillite, foliation is parallel to core axis 0°»</i>				
		<i>« disseminated py 0.80%»</i>				
		<i>« 190.65- 190.80 SSGR »</i>				
		<i>Sandstone / quartz partings</i>				
		<i>« 190.65- 191.28 Black argillite, foliation at 70.00-85.00°»</i>				
		<i>« disseminated py 10.00%»</i>				
		<i>« @ 190.94 Quartz vein with 30% dolomite with py 2.00-4.00% 2.00cm »</i>				
		<i>« @ 190.99 Possible fault zone, some very fine grains and slip surfaces</i>				
		<i>indicated</i>				
		191.28 197.50 SSGR	191.28	192.60	389863	1.32
		<i>However medium-course grained sandstone / quartzite. Foliation easily visible</i>	192.60	193.85	389864	1.25
		<i>with <1% argillite partings. « disseminated py 0.20%», typically « Foliation</i>	193.85	195.37	389865	1.52
		<i>60.00-70.00°»</i>	195.37	196.90	389866	1.53
		<i>« @ 193.01 Quartz vein at 65.00° 8.00cm »</i>	196.90	197.50	389867	0.60
		<i>« @ 193.85 Foliation 60.00° »</i>				
		<i>« 194.80- 194.83 Quartz vein on foliation 60.00° 3.00cm», no sulfides.</i>				
		<i>« @ 195.76 Fault zone with black argillite partings, indicated by gouge/clay,</i>				
		<i>is on foliation 60.00 2.00cm »</i>				
		<i>« @ 196.17 Quartz vein 38.00° 2.00cm » which cross cuts foliation at 78</i>				
		<i>degrees. No disseminated sulfides present.</i>				

Project: Hyland 2004 Logger

Hole Number:HY-04-19

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 197.15 Foliation 68.00° ›				
	197.50 199.95	ARGL	197.50	198.75	389868	1.25
		Black argillite, same as above units of argillite.	198.75	199.95	389869	1.20
		Upper contact is parallel to foliation				
		« Foliation 70.00° ».				
		There is a slight graphitic content indicated by conductive testing.				
		« 198.20- 198.29 SSGR »				
		Sandstone/quartzite parting with « foliation 65.00-70.00° »				
		EOH at 199.95m				
	199.95 199.95	EOH				



From	To	Rocktype & Description	S_from	S_to	Sample	Width
0.00	15.85	Casing NO CORE RECOVERY				
15.85	20.05	FGSS medium to light grey ; well silicified and bleached ; hard ; rare to local black argillite interbands; trace to locally 2 % fine-grained disseminated pyrite. Local white quartz vining (mm-scalé); local white calcite units. « 15.85- 19.81 rubbly/pebbles of quartzite with minor oxidation on fracture. »« recovery 2 2.00-3.00%» « 19.70- 19.81 SHR ; heated fracture in qtz-cal @ 30-60deg 30.00-60.00°»« @ 19.88 black, thin argillite band @ 60 degrees Argillite »	16.76	19.81	389870	3.05
20.05	20.32	ARGL broken core ; black ; poorly silicified " flaky " ; cleaves easily , not phyllitic , minor 2-3 mm white quartz vienlets; 2-3 % disseminated fine-grained pyrite; blebs ; lost upper and lower contacts ; « fol 72.00°»broken core to 20.32m's	19.81	21.31	389871	0.00
20.32	31.30	FGSS Quartzite (as previous) ght to medium grey ; well silicified ; common quartz vining (mm - cm) scale with local calcite vining ; trace disseminated « py 2.00% » ; commonly broken core. « 21.31- 21.50 silicified qtz vien @ -70.00°0°»« @ 90 deg to vining , " open hydro-fracs " @ dom. 5- 10 to locally 50 deg » « 22.68- 22.69 healed shear @ -60.00°0°»« @ 23.20 weak silicified foliation 70.00° » « 23.55- 23.91 qtz viens (1-3mm) @ 25.00°»« healed shear @ 90 to qtz viens »« @ 65 deg , hydro fracs @ 20.00-80.00°»« locally hem and cb on frac surfaces »« @ 24.04 slightly lim slip surfaces @ 65.00° »« @ 24.04 mig py 2.00-3.00% »« @ 24.04 hydro fracs at 90 and @ 20.00-30.00° » « 24.11- 24.35 qtz viens @ 10 - 20 degs in local hyd. frac » « 24.60- 24.65 semi-healed shear in open "wgs" and yellow carbnte; @ 65 degs » « 24.88- 25.10 1 cm thick @ Calcite Vein 15.00°»« calct vn x cutting 1cm qtz viens @ 65 deg ; @ 90 to each other »« @ 25.22 slip surface , slightly limonitic @ 50.00° » « 25.98- 26.10 qtz vns (6-7mm) @ 50.00°»« calcite vnlets @ 90 and @ 25.00°» « 26.35- 26.36 1 cm qtz vn @ 55.00°» « 26.36- 26.50 frac fol'n @ 34.00°»« 2ndary frac fol'n @ 90 and @	21.31	22.86	389872	1.55
			22.86	24.36	389873	1.50
			24.36	25.91	389874	1.55
			25.91	27.41	389875	1.50
			27.41	28.96	389876	1.55
			28.96	30.50	389877	1.54

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		0.00»				
		« 28.50- 28.60 qtz vn with qtz-cb vnltls @ 40.00°»« hydro-fracs @ 140.00°»				
		« 28.80- 29.20 v broken core; low core recovery 0°»				
		« 30.38- 30.60 multiple qtz vns 1-5mm , w/ yell/gm cb on frac surfaces 0°»				
		« 30.75- 31.00 wk/ slightly graphitic shear foliation @ 75.00°»				
		« 31.24- 31.30 qtz vn , uctc @ 60 , lctc @ 70, slightly graphitic @ ctc's ; white ; no min's 0°»				
		31.30 31.70 GARG				
		Graphitic argillite with shearing black unsilicified , moderate friable argillite, moderately sheared , with ~ 2 % disseminated fine-grained py similar to previous black argillite upper contact @ 70 deg to C.A. , mostly broken though foliation @ 70 deg to C.A. where present upper contact with 1.5 cm quartz vien @ 70 deg to C.A. lower contact @ 60 deg to C.A.	30.50	32.00	389878	0.00
		31.70 35.73 FGSS	32.00	33.50	389879	1.50
		Quartzite similar to previous	33.50	35.05	389880	1.55
		medium grey , moderately to well silicified ; slightly gritty locally ; local quartz and calcite unltls ; « py 1.50%»	33.50	35.05	389881	1.55
		« 31.85- 32.00 3 frags of 1-2 cm coarse black arg, silic in qtz; no foliation or fabric present »« @ 32.15 weak fol'n (frac fol'n) @ 60.00° »	35.05	35.73	389882	0.68
		« 33.01- 33.02 qtz vn @ 80.00°»« @ 33.65 frac. fol'n @ 25.00° »« @ 33.65 slightly argillic »				
		« 34.05- 35.73 fgss is beggining to contain intercolated graphitic arg (1- 3 %) »« GARG is commonly < cm thickness »« fracs occur at GARG parting surfaces »« dissem py @ 1.00-2.00%»« dissem py occurs commonly along frac surfaces »				
		35.73 36.18 GARG	35.73	36.18	389883	0.45
		Graphitic argillite , core is black / dark grey , with a graphite sheen, core cleaves readily ; « disseminated py 2.00%»« @ 35.73 contact is @ 35.00% »				
		« 35.73- 36.18 fol'n @ 30.00°»« @ 36.18 contact of units @ 18.00-22.00° »				
		36.18 50.57 FGSS	36.18	37.04	389884	0.86
		Similar to above FGSS with approximately 6-10% vining and vienlets ; fracs typically healed with calcite / carbonates with limonite staining abundant ;	37.04	38.54	389885	1.50
			38.54	40.04	389886	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 36.18- 36.88 calct healed frac (2-3mm) w/ lim staining along core	40.04	41.54	389887	1.50
		axis perp to fol'n @ 60.00°»	41.54	43.04	389888	1.50
		« 36.18- 37.04 abndt qtz vnlt's (2mm-1cm); 10% core; Quartz Veins and	43.04	44.20	389889	1.16
		veinlets at 0° to foliation» « py 0.50-1.00%» « @ 36.18 Foliation 60.00° »	44.20	45.46	389890	1.26
		Quartz Vein 50.00°»	45.46	45.86	389891	0.40
		« @ 39.39 1cm Quartz Vein 50.00° »	45.86	47.24	389892	1.38
		« @ 41.19 1 cm thick wi 1% diss py Quartz Vein 30.00° »	47.24	48.76	389893	1.52
		« 41.20- 41.83 qtz vns/vnlt's to 40% wi fol'n at 50 to 70 deg, tr diss	48.76	50.00	389894	1.24
		py Quartz Vein 50.00-70.00°»	50.00	50.54	389895	0.54
		« @ 41.54 slickensides Shear Zone 35.00° » « @ 41.81 slickensides shear				
		zone 40.00° » « @ 41.87 slickensides shear zone 60.00° » « @ 43.40 foliation				
		70.00° »				
		« 44.20- 44.37 qtz fract'd & blch'd; slickensides Quartz Vein				
		10.00-15.00%»				
		« @ 44.25 shear and alt'n foliation 50.00-55.00° »				
		« @ 44.34 shear with alteration foliation 85.00° »				
		« @ 45.22 Quartz Vein 80.00° »				
		« 45.46- 45.86 black, soft and cleaveable; 5% gg GARG 65.00-70.00°»				
		« @ 45.95 1.5 cm Quartz Vein 35.00° »				
		« 45.81- 48.83 Sheared GARG with tr diss py Fault - Alt Zone 70.00°»				
		« @ 45.95 Quartz Vein 70.00° »				
		« @ 46.20 Quartz Vein 85.00° »				
		« 46.89- 46.98 trace diss py in Quartz Vein 60.00° »				
		« @ 47.05 foliation 70.00° »				
		« @ 47.05 Fractures 0° »				
		« @ 47.72 Carbonate and slickensides ind. Shear foliation 35.00° »				
		« @ 47.89 Quartz Vein 40.00° 1.00cm » with « @ 46.89 perpendicular				
		cross-cutting Calcite Vein 25.00° »				
		« @ 48.11 shear with slickenlines 60.00° »				
		« 48.50- 48.56 GARG parting wi diss py on fol'n GARG 70.00°»				
		« @ 49.08 Shear 40.00° »				
		« @ 50.00 Quartz Veinlets 50.00° »				
		« @ 50.40 Quartz Vein 65.00° 1.00cm »				
		50.57 51.21 GARG				
		Black Graphitic Argillite; fine grained with disseminated « py 2.00-3.00%» on «	50.54	51.21	389896	0.00
		Foliation 75.00-90.00°»				
		« @ 50.57 Upper Contact 90.00° »				
		« @ 51.21 Lower Contact 60.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
51.21	61.00	FGSS	51.21	51.59	389897	0.38
		Similar to above Fine Grained Sandstone (Quartzite) unit with generally py «	51.59	53.09	389898	1.50
		51.21- 61.00 py 1.00-2.00%»	53.09	54.59	389899	1.50
		« 51.21- 51.30 Bleached/Altered Quartzite » approaching fault « @	54.59	56.09	389900	1.50
		51.30 clay and sericite abundant Fault zone »	54.59	56.09	389901	1.50
		« 51.30- 51.34 Gouge and FGSS/GARG clay Fault Zone 60.00° » with « @	56.09	57.80	389902	1.71
		51.30 fault associated Quartz Vein 30.00° » and « disseminated py 1.00-2.00%»	57.80	59.44	389903	1.64
			59.44	61.00	389904	1.56
		« 51.43- 51.59 Predominantly fract filling along CA Quartz Veinlets				
		0°-10.00°»				
		« 51.59- 51.64 Fault zone broken core/clay/gouge of FLT/GARG 70.00%»				
		with « disseminated py 1.00-2.00%»				
		« 51.59- 53.09 Intercollated FGSS/GARG » with « disseminated py 1.00%»				
		on contacts of both				
		« @ 55.15 Quartz Vein 45.00° 1.00cm »				
		« 55.40- 55.46 Quartz Vein 55.00° » with « disseminated py 0.80%»				
		REDUCED TO NQ AT 59.44 m/195 ft				
		Quartzite darker grey where lack of white "bull" quartz veins/veinlets				
		quartz veining generally more prevalent at the base of the interval (towards				
		61.0m)				
		Only trace very fine grained disseminated pyrite in the Quartzite, slightly				
		more common medium grained pyrite grains locally; euhedral and occur very				
		locally up to 1%				
		Quartz veins variably oriented and locally occur on fracture surfaces or as				
		the point of fracture				
		« @ 56.54 Quartz Veinlets 10.00° »				
		« @ 56.54 Quartz Veinlets 160.00° »				
		Difficult to see any bedding/internal structures; very well silicified (4.5/5)				
		« @ 57.00 very weak Foliation 53.00° » defined by very thin argillite				
		wisps/laminations with thin (<1mm) white (quartz-carbonate filled?) « @ 57.00				
		Hydro fractures 150.00° » relative to foliation				
		« @ 57.20 Graphitic Shear face 55.00° »				
		« 57.25- 57.26 Quartz Vein 140.00° » relative to shear				
		« 57.35- 57.50 weak argillite fabric/foliation foliation 45.00° » with				
		thin « thin, perpendicular Quartz Veinlets 15.00° » and « fractures 2.00° »				
		« 57.69- 58.00 increased Quartz Veinlets 25.00-30.00° » with thinner «				
		perpendicular Quartz Veinlets 60.00-70.00° 0.80cm»				
		« 58.20- 58.53 Quartz Veinlets 50.00-60.00° »; reduced high angle				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		veining				
		« 58.56- 58.58 Quartz Vein 70.00°»				
		« 58.82- 58.84 Quartz Vein 60.00°»				
		« 59.03- 59.15 Quartz Vein 35.00°» with « fracturing and shear 15.00°»				
		Lost core where reduced; lost between ~59.44 and 60.5m				
		« 60.64- 61.00 High angle shear fractures 15.00-25.00°» to « @ 61.00 brecciated lower contact 40.00° »; last 3 cm a cemented breccia				
		61.00 69.00 GARG	61.00	62.48	389905	1.48
		Black argillite; poorly to locally well silicified; broken core with peices	62.48	64.00	389906	1.52
		generally less than 5 cm; common lost core, especially in gouge zone; potential	64.00	65.53	389907	1.53
		lost Faults	65.53	67.00	389908	1.47
		Rare quartz carbonate veinlets	67.00	68.58	389909	1.58
		Generally « py 0.50-1.00%» though LOCALLY up to 40% over a few centimeters;	68.58	69.00	389910	0.42
		poor potential; Pyrite most commonly very fine grained and disseminated in				
		between argillite laminations				
		Most Graphitic/Carbonaceous where sheard and less silicified				
		« @ 61.00 Upper contact 40.00° »				
		« 61.00- 61.14 pyritic FLT/GARG 55.00°» with py« disseminated and with				
		4mm py band py 1.00-5.00%»				
		« @ 61.48 potential S1 Foliation 76.00° » with a « @ 61.48 Fracture				
		Foliation 35.00° »				
		« 61.52- 61.54 Shear or FLT »				
		« 61.68- 61.71 Pyritic Shear 55.00°»				
		« @ 61.81 Foliation 74.00° »				
		« 62.91- 62.93 Potential Shear » with minor gouge; broken and				
		graphitic				
		« 63.28- 63.31 graphitic and gougy shear 80.00»				
		« @ 63.55 Foliation 74.00° »				
		« 63.68- 63.72 Shear 45.00-55.00°» with « fracturing 10.00°»				
		« 64.84- 64.86 grey Quartz Vein 60.00°»				
		« @ 64.91 Foliation 78.00° »				
		« @ 65.60 Foliation 82.00° »				
		« 65.71- 65.73 white Quartz-Carb Veinlets 80.00°» with « shear				
		fractures 70.00°»				
		« @ 65.88 Dominant foliation 79.00° » with « @ 65.88 perpendicular thin				
		Quartz Veinlets 20.00° »				
		« 66.56- 66.60 Shear 30.00°»				
		« 66.86- 66.92 very fine grained wisps of pyrite 0-40.00%»				
		« @ 67.05 Shear fractures 35.00° »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 68.58 Foliation 79.00°				
		« 68.58- 70.83 40 cm's recovered = Poor Recovery »				
		Lower Contact broken - Lost				
		69.00 85.02 FGSS	69.00	71.63	389911	2.63
		Fine Grained Sandstone - Quartzite	71.63	73.15	389912	1.52
		Medium to light grey; generally well silicified, less so with depth, and slightly sericitic locally	73.15	74.68	389913	1.53
		Moderate quartz veining	74.68	76.20	389914	1.52
		« disseminated fine grained py 0.50-0.80% »	76.20	77.72	389915	1.52
		« 70.88- 70.89 mnr open "vugs" with euhedral quartz Quartz Veinlets 40.00° »	77.72	79.24	389916	1.52
			79.24	80.77	389917	1.53
			80.77	81.67	389918	0.90
		« @ 71.60 Quartz Veinlets 30.00° »	81.67	82.80	389919	1.13
		« @ 71.90 weak argillite delimited fabric/foliation 55.00° »	82.80	83.82	389920	1.02
		« @ 72.00 Fracture foliation 70.00° »	82.80	83.82	389921	1.02
		« 72.27- 72.52 Weak argillite and fracture foliation 50.00-60.00° » with « perpendicular Quartz Veinlets 60.00° »	83.82	85.02	389922	1.20
		« @ 72.79 Quartz-Carb Veinlets 60.00° 2.50cm »				
		« @ 73.18 Quartz Veinlets 45.00° »				
		« @ 73.30 Quartz Vein 55.00° 1.50cm »				
		« 73.36- 73.38 Quartz Vein 30.00° 2.00cm »				
		« 74.29- 74.32 GARG 60.00° »				
		« 74.38- 74.46 GARG 90.00-80.00° » with « py 0.80 »				
		« @ 74.67 Quartz-Calcite Veins 40.00° »				
		« @ 74.80 FGSS foliation 55.00-65.00° »				
		« @ 75.07 Calcite Vein 10.00° 0.50cm »				
		« 76.10- 76.20 foliation 60.00° »				
		« @ 76.22 Quartz Vein 55.00° 1.50cm »				
		« 76.35- 76.56 s-forms, blobs on foliation Quartz-Carb Veinlets 35.00° »				
		« 77.20- 77.72 fragments of Quartz Veinlets »				
		« 77.47- 77.51 Quartz Vein 90.00° »?				
		« 78.75- 78.80 with 2cm blk gg FLT/GARG 90.00° » with « py 1.00-2.00% »				
		« 79.08- 79.16 GARG » « @ 79.08 Upper Contact 70.00° » « @ 79.16 Lower contact 85.00° » and « disseminated py 1.00% »				
		« 79.24- 79.29 GARG 75.00° »				
		« 79.36- 79.42 Quartz Vein 45.00-50.00° »				
		« 79.64- 79.67 graphitic gouge with 10% Qtz vning; FLT/GARG » « trace py 0.50% »				
		« 80.23- 80.28 quartz veining in FGSS/GARG 80.00-90.00° »				
		« 80.77- 80.82 graphitic gg and broken core FLT/GARG » « trace py				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		50%»				
		« 80.82- 80.94 bleached FGSS »; calcite has penetrated quartz veins and FGSS; core is brittle and textured				
		« 80.94- 81.12 minor FGSS and GARG 60.00-90.00» with « shearing and minor folding with bleaching and sericitization » « disseminated py 1.00%»				
		« 81.12- 81.19 dark grey, small frags of GARG; FLT/GARG » « @ 81.19 Lower contact 60.00° » « disseminated py 0.80%»				
		« 81.19- 81.44 brecciated w/ minor calcite Quartz Vein 30.00°»				
		« 81.44- 81.65 GARG 30.00°» with « disseminated py 1.00%» and « Quartz-Carb Veinlets 10.00%»; some foliation goes to 0 degrees to CA indicating high strain zone				
		« 81.56- 81.60 gouge, clay and blch'd core wi qtz eyes FLT » and « disseminated py 1.00%»				
		« 81.67- 81.97 extensive Quartz Veinlets 40.00-60.00°»				
		« 82.27- 82.33 Quartz Vein » with a				
		« 82.29- 82.30 zone of FLT/GARG »				
		« @ 82.40 foliation 65.00-70.00° »				
		« 82.43- 84.46 GARG 60.00-100.00°» with « disseminated py 1.00%»				
		« 82.72- 82.79 90 % of core Quartz-Carb Veinlets »				
		« 82.79- 82.80 grey (altered) gouge FLT/GARG » with « disseminated py 1.00%»				
		« 83.17- 83.30 foliation GARG 60.00-90.00%» with « @ 83.30 lower contact 70.00° » and « disseminated py 1.00%»				
		« @ 83.71 Quartz Veinlets 35.00° 1.00cm »				
		« @ 83.88 foliation 40.00-45.00° »				
		« 83.89- 83.96 Quartz Veinlets 40.00°» with « disseminated py 0.50%»				
		« 84.35- 84.37 trace calcite in Quartz Vein 55.00°»				
		85.02 86.02 GARG	85.02	86.02	389923	1.00
		« @ 85.02 Upper contact 30.00° » « general foliation 50.00-55.00°» with « disseminated on foliations py 1.00-2.00%»				
		« @ 86.02 Lower contact 30.00-35.00° »				
		86.02 93.12 FGSS	86.02	86.87	389924	0.85
		50% Core recovery; extensive	86.87	88.39	389925	1.52
		« 87.05- 87.40 75% Quartz-Carb Veinlets »	88.39	89.92	389926	1.53
		« 87.40- 88.39 broken core wi gg; sltly blch'd; mnz qtz FLT/GARG » « disseminated py 1.00%»	89.92	90.65	389927	0.73
		« 88.74- 88.87 GARG 50.00-60.00°» with « disseminated on foliation py 1.00-2.00%»	90.65	91.75	389928	1.10
		« 88.74- 88.87 GARG 50.00-60.00°» with « disseminated on foliation py 1.00-2.00%»	91.75	92.96	389929	1.21
		« 89.66- 89.92 Quartz-Calcite Veins »				
		« 90.16- 90.65 FLT/GARG 70.00°» with « @ 90.16 upper contact 40.00 »				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		rd @ 90.65 lower contact 50.00°				
		@ 90.80 foliation 60.00°				
		« 91.12- 91.42 GARG » with abundant « 20% Quartz-Calcite Veins 0° »				
		« 92.39- 93.12 high calcite veining in FGSS 10.00-35.00% »				
		93.12 93.65 GARG				
		Graphitic argillite with extensive strained foliation (S-forms, crenulations, wavelike patterns) with @ 93.12 upper contact 60.00° and @ 93.65 lower contact 60.00° and « disseminations of py 1.00-2.00% »	92.96	93.65	389930	0.00
		93.65 94.58 FGSS	93.65	94.58	389931	0.93
		Same as above FGSS (Quartzite) unit				
		« foliation 50.00° » with « trace py 0.50% »				
		94.58 95.28 GARG	94.58	95.28	389932	0.70
		« foliation 30.00-40.00° » with « py 0.50% »				
		95.28 104.00 FGSS	95.28	95.48	389933	0.20
		Same as above unit;	95.48	97.98	389934	2.50
		@ 95.50 foliation 30.00° with @ 95.28 parallel to CA Quartz-Calcite Veins 0°	97.98	99.06	389935	1.08
		« 96.48- 96.71 GARG 55.00-60.00° » parting upper and lower contacts; with « disseminated on foliation py 0.80% »	99.06	100.46	389936	1.40
		« 96.97- 97.11 fault with broken core/gg, sltly blch'd FLT/GARG 50.00-55.00° » with « disseminated py 1.00% »	100.46	102.11	389937	1.65
		@ 97.30 foliation 40.00°	102.11	104.00	389938	1.89
		« 98.00- 98.03 dark grey gouge FLT/GARG 70.00° » with « disseminated py 0.80% »				
		« 98.08- 98.24 GARG 45.00° » with « disseminated on foliation py 1.00% »				
		« 98.53- 98.56 Quartz Vein 55.00° » with « disseminated py 0.50% »				
		« 99.66- 99.70 fragmented Quartz Vein » with « py 0.50% »				
		« 99.70- 99.83 gougy FLT/GARG 50.00° » with « disseminated py 1.00% »				
		« 99.03- 100.00 FGSS 50.00-55.00° » with « cross-cutting Quartz-Carb Veinlets 10.00-15.00% »				
		« 100.00- 100.35 Interbanded FGSS and GARG 60.00-65.00° » with « disseminated py 0.80% »				
		Continued - This sandstone is sheared and commonly broken; medium to light grey				
		with common black argillite (GARG) partings				
		« 102.11- 103.27 Lost Core »				
		@ 103.27 partings GARG with @ 102.11 dominant foliation 40.00° and				

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From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Black, graphitic argillite; soft and friable; minor local <1mm quartz-carbonate	107.90	108.80	389944	0.90
		veinlets; « dusty py 0.50-4.00%»; similar to previous but less sheared; «	108.80	110.22	389945	1.42
		dominant foliation 60.00-70.00°» with secondary « secondary deformation				
		foliation 30.00°» seen as shearing and fractures to locally minor folding of				
		pyrite bands;				
		« @ 108.00 foliation 55.00° »				
		« @ 108.20 foliation 45.00° »				
		« @ 108.40 foliation 30.00° »				
		« @ 108.60 foliation 30.00° » with a « @ 108.60 perpendicular Quartz Veinlets				
		30.00° » and minor slip surfaces				
		GARG becomes increasingly silty/sandy below 108.20m				
		« @ 108.90 foliation 26.00° »				
		« 108.95- 109.10 micro-faulting with shear 25.00° » with minor « parallel				
		Quartz Veinlets »				
		Broken Core from 108.10 - 110.22m				
		Lost lower contact				
		110.22 112.75 FGSS	110.22	112.75	389946	2.53
		Medium to light grey with common quartz-veining				
		« @ 110.22 upper contact 30.00° »				
		« 110.22- 110.35 weak foliation 30.00-40.00° » with local « Quartz				
		Veinlets 145.00° »				
		« 110.52- 111.10 white Quartz Vein 0° »; broken though appears to be near				
		parallel to the core axis with « fracture/shear foliation 20.02-30.00° »				
		111.10 - 112.75m; Grey quartzite rubble; peices rarely greater than 2cm;				
		« 111.25- 112.75 only 30cm recovered; mismatch Lost Core »				
		112.75 115.60 FLT	112.75	114.30	389947	1.55
		Pure - Black to dark grey gouge; mush; upper contact extrapolated;	114.30	115.60	389948	1.30
		115.60 122.00 FGSS	115.60	116.00	389949	0.40
		Fine Grained Sandstone - Quartzite	116.00	117.35	389950	1.35
		Dark to medium grey, locally lighter grey and weakly sericitized.	117.35	120.40	389951	3.05
		« dusty laminated to disseminated py 0.50-2.00% » most commonly on fracture or	120.40	122.00	389952	1.60
		foliation surfaces				
		« 116.00- 117.35 silicification and Quartz Veinlets 50.00% » « @ 115.48				
		weak foliation 70.00° » « @ 116.20 pyritic fracture 20.00° » « @ 116.88				
		fracture foliation 14.00° »				
		@ 117.35 quartz veining virtually stops, quartzite generally the darker grey				
		« 117.35- 120.40 poor recovery; Lost Core 11.00% »; dark grey quartzite				
		with common dark grey argillite; « foliation 50.00° » and occassionally				
		parallel to fractures				
		« @ 120.45 weak principle foliation 50.00° » with « @ 120.45 secondary				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		renulation foliation 30.00° ›				
		Mostly broken and gougy core to 123.44m (poorest recovery between extrapolated				
		112 - 123.44m)				
		« 120.63- 120.64 Quartz Vein 20.00°»				
		122.00 123.44 FLT	122.00	123.44	389953	1.44
		Extrapolated				
		Graphitic fault gouge				
		Putty, no structure; lost upper and lower contacts				
		Lower portion has a few broken peices of GARG				
		123.44 123.72 FGSS				
		Fine Grained Sandstone - Quartzite; as previous				
		More commonly interbanded with (or grading to) black GARG				
		‹ @ 123.44 foliation 40.00° ›				
		‹ @ 123.65 weak foliation 30.00° ›with a ‹ @ 123.65 graphitic fracture foliation 15.00° ›				
		‹ @ 123.68 argillite foliation 24.00° ›				
		123.72 125.18 FLT	123.44	125.18	389954	0.00
		Fault Zone				
		"Sandy" gouge				
		Fine grained Sandstone (Quartzite) and Graphitic Argillite (GARG)				
		<1mm Fragments				
		Mixed with local pieces/fragments of FGSS (loose)				
		« py 0.50-1.00%»				
		Lost upper and lower contact				
		125.18 126.60 FGSS	125.18	126.60	389955	1.42
		Fine grained sandstone (Quartzite); as previous				
		Interbedded with garg - argl				
		‹ @ 125.18 dusty pyrite in GARG foliation 25.00° ›				
		‹ @ 125.70 foliation 40.00° ›				
		‹ @ 126.10 foliation 45.00° ›				
		Lost lower contact				
		126.60 131.17 ARGL	126.60	128.04	389956	1.44
		Argillite with minor graphitic component (minor garg) approx. 5%; core is	128.04	129.54	389957	1.50
		black, fine grained, with common sulfides (pyrite) on foliations; minor	129.54	131.17	389958	1.63
		quartz-calcite veins/veinlets both on and cross-cutting foliation; « average py				
		2.00-3.00%»				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Both contacts lost in rubble - broken core				
		@ 126.75 foliation 40.00°				
		@ 129.50 foliation 40.00-45.00°				
		« 129.85- 129.98 broken core and trace gouge, potential fault zone »				
		« 130.18- 130.24 gg/clay; dk grey to black FLT » with « disseminated py 0.80% » and « Quartz Veinlets 2.00% »				
		« 130.47- 130.69 broken core with gouge; bleached FLT » « disseminated py 0.80% » and « Quartz Veinlets 1.00-2.00% »				
		@ 130.80 foliation 35.00°				
		131.17 135.20 LMST	131.17	132.59	389959	1.42
		Dark Grey Limestone	132.59	134.11	389960	1.52
		« 131.26- 131.31 Gouge FLT » with « disseminated py 1.00-2.00% »	132.59	134.11	389961	1.52
		@ 131.35 foliation 35.00%	134.11	135.20	389962	1.09
		@ 131.36 Quartz Vein 15.00° 1.50cm › no visible py				
		« 131.42- 131.53 large Quartz Vein » with inclusive brecciated quartzite (FGSS) and « minor disseminated py 0.50% »				
		« 131.58- 131.72 GARG 30.00° »				
		« 131.62- 131.68 gouge FLT » with « disseminated py 1.00-2.00% »				
		« 131.87- 132.59 intense quartz veining in FGSS 20.00-25.00% »				
		@ 131.91 Quartz Vein 60.00° 1.00cm ›				
		@ 132.55 Quartz Vein 60.00° 2.00cm ›				
		« 132.65- 132.67 FLT/GARG 35.00° »; still has visible foliation/structure although it has been reduced to gouge/clay (very black); disseminated « py 1.00-2.00% »				
		@ 133.89 very broken core with Quartz Vein 45.00% 1.00cm ›				
		« 134.27- 134.33 GARG 55.00° »				
		@ 134.81m graphitic argillite becomes very soft, less silicified, and may indicate a zone of faulting or slippage				
		« 134.40- 135.20 abundant Quartz Veinlets 15.00-40.00° 0.50-2.00cm » with rare inclusive « disseminated py 0.50% »				
		135.20 136.20 FLT/GARG				
		FGSS with Graphitic Argillite and Faulting				
		The core is of 30% FGSS with 30% garg and 40% gouge/clay with quartz eyes; locally foliation can be recorded; « foliation 40.00-60.00° » « disseminated on foliations and in gouge py 2.00-3.00% »				
		136.20 136.76 FGSS				
			135.20	136.71	389963	0.00
			136.71	138.21	389964	0.00
		quartzite				
		Very broken core				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 136.64- 136.71 gouge FLT » with « disseminated py 0.50%»				
	136.76 150.00	LMST	138.21	139.71	389965	1.50
		Dark to medium grey Limestone; fine-grained; « foliation 55.00-60.00°»;	139.71	141.21	389966	1.50
		predominantly calcite veining (as blebs/veins/veinlets); some calcite	141.21	142.50	389967	1.29
		occurrences stop at foliation, indicating slippage on foliation?; some calcite	142.50	144.00	389968	1.50
		contains brecciated peices of LMST inclusive, indicating pervasive fractures; «	144.00	145.50	389969	1.50
		disseminated on foliations py 0.50%»	145.50	147.00	389970	1.50
		« 136.78- 136.84 calcite veinlets on foliation 55.00°»	147.00	148.50	389971	1.50
		« 136.97- 136.98 gouge; dk grey - black FLT 55.00° 1.00cm» « trace	148.50	150.00	389972	1.50
		disseminated py 0.50%»				
		« @ 137.20 foliation 55.00° »				
		« 138.05- 138.68 abundant Calcite Veins 20.00-30.00%»; some contain				
		breccia of Limestone; « @ 138.32 Calcite Veins 50.00° »				
		« @ 138.68 abrupt cross-cutting Calcite Veins 170.00° 2.00cm » to « @ 138.68				
		foliation 70.00° »				
		Additional comments - different logger				
		Limestone dark grey; argillaceous "dirty"; local to common calcite veinlets to				
		veins; locally silty				
		Weakly sheared locally				
		locally graphitic on fracture/shear surfaces				
		No visible mineralization				
		« 141.73- 150.00 py -0.50%»				
		« @ 141.73 foliation 45.00° »				
		« @ 141.90 foliation 55.00° »				
		« 142.09- 142.13 Quartz-Calcite Veins 60.00°»				
		« 142.20- 142.40 dominant foliation 50.00°» with « secondary crenulation				
		foliation 35.00°»				
		« @ 142.60 foliation 50.00° »				
		« @ 143.23 dominant foliation 45.00° »with healed « @ 143.23 perpendicular,				
		sltly shrd and mcro fltd Calcite Veins 30.00° »				
		« 143.45- 143.65 dominant foliation 60.00°» with, at 30 degrees to				
		foliation, « multiple Calcite Veins 35.00°»				
		« 143.77- 144.33 weakly sheared and fractured foliation 20.00-50.00°»with				
		a perpendicular fracture at 0 degrees/parallel to the core axis				
		Sheared and micro-faulted « at 20 degrees to foliation Calcite Veins 30.00°				
		2.00mm»« @ 143.89 fracture foliation with dominant foliation 70.00° » with « @				
		143.89 folding and secondary foliation 40.00° »				
		« 144.10- 144.33 dominant foliation 80.00-60.00°» with « fold hinge				
		5.00°» and « secondary foliation 30.00-20.00°»				
		« @ 144.90 dominant foliation 50.00° » with « @ 144.90 secondary fracture				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		foliation 20.00° ›				
		◁ @ 145.10 dominant foliation 45.00° › with ◁ @ 145.10 secondary foliation of Calcite Veins 15.00° ›				
		◁ @ 145.60 dominant sedimentary foliation 43.00° › with ◁ @ 145.60 at 10-20%, a fracture foliation 67.00° › with perpendicular ◁ @ 145.60 Calcite Veins 5.00-10.00° ›				
		Dominant, sedimentary foliation commonly moderately warped and microfaulted @				
		30 degrees (only locally, unit not totally deformed)				
		◁ @ 146.55 dominant sed foliation 40.00-45.00° › with weak ◁ @ 146.55 secondary crenulation foliation 25.00-30.00° ›				
		◁ @ 147.40 dominant sed with fracture foliation 45.00° ›				
		◁ @ 147.83 foliation 55.00° ›				
		◁ 148.31- 148.55 shifting foliation 55.00-45.00° ›				
		◁ @ 148.65 dominant foliation 59.00° › with ◁ @ 148.65 perpendicular, calcite healed fracture foliation 140.00° ›				
		◁ 149.37- 149.39 calcite banding and dominant foliation 40.00° › with a ◁ fracture foliation 35.00° ›				
		◁ 149.60- 149.75 dominant foliation 60.00° › with ◁ secondary foliation 5.00° › with folded calcite-quartz veinlets				
		◁ @ 150.00 lower contact 60.00-50.00° › sharp, though irregular with quartz vein with enveloping thin pyrite bands/stringers; no significant alteration				
		150.00 161.12 ARGL	150.00	151.50	389973	1.50
		Argillite, locally to a weakly graphitic argillite (garg)	151.50	153.00	389974	1.50
		Dark to locally medium grey and slightly sericitized	153.00	154.50	389975	1.50
		Generally well foliated	154.50	156.00	389976	1.50
		Local Quartz-carbonate veinlets to veins	156.00	157.50	389977	1.50
		Non calcareous	157.50	159.00	389978	1.50
		◁ diss to wisps to thin "dusty" bands in argl py 0.50-2.00% ›	159.00	160.02	389979	1.02
		◁ 150.00- 150.24 Quartz Vein 60.00-50.00° ›	160.02	161.12	389980	1.10
		◁ @ 150.65 foliation 55.00° › ◁ @ 151.20 dominant foliation 50.00° › with ◁ @ 151.20 secondary foliation 20.00-30.00° › and ◁ @ 151.20 calcite fracture filling foliation 150.00° ›	160.02	161.12	389981	1.10
		◁ @ 151.45 minor gouge 45.00° 2.00-3.00mm › with ◁ @ 151.45 secondary shear				
		foliation 20.00° › ◁ @ 151.66 dominant foliation 45.00° › with ◁ @ 151.66 secondary foliation 35.00° ›				
		◁ 151.66- 152.08 interval of FGSS 60.00° › with argl laminations; light grey, unmineralized, and weakly foliated				
		◁ @ 152.60 dominant foliation fabric 55.00° › with ◁ @ 152.60 secondary				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		crenulation foliation 30.00° ›				
		« @ 153.20 dominant sed foliation 50.00° › with ‹ @ 153.20 Quartz Veinlets 60.00° 0.50mm › and ‹ @ 153.20 calcite fracture filling foliation 20.00° 0.50mm › and a ‹ @ 153.20 weak secondary crenulation foliation 30.00° ›				
		« 154.10- 154.14 gougy and graphitic shearing and FLT 60.00°»				
		‹ @ 154.60 dominant sed fabric 40.00° › with ‹ @ 154.60 secondary fracture foliation 55.00° ›				
		‹ @ 155.20 dominant sed fabric 40.00° › with ‹ @ 155.20 secondary quartz veinlet fabric 60.00° 0.50mm ›				
		« 156.02- 156.04 Quartz Veinlets 65.00°»				
		« 156.09- 156.32 Quartz Vein 50.00-60.00°» with				
		« 156.20- 156.21 gouge indicating minor FLT 40.00° 1.00cm» with « at base of gouge, py up to -3.00%», medium grained				
		‹ @ 156.83 slip face 52.00° › with ‹ @ 156.83 slickenlines 45.00° ›				
		‹ @ 156.97 dominant sed foliation fabric 30.00° › with ‹ @ 156.97 fracture foliation 40.00° ›				
		‹ @ 157.60 dominant foliation 60.00° › with ‹ @ 157.60 secondary foliation 35.00° ›				
		‹ @ 158.20 primary fabric foliation 30.00° › with ‹ @ 158.20 fracture foliation 45.00-60.00° › and ‹ @ 158.20 perpendicular quartz healed fracture foliation 1700.00° ›				
		Weakly sericitized from 157m				
		159.0m with local light green sericite on fracture surfaces				
		« 158.73- 158.78 weakly sheared 55.00°» with a « perpendicular fracture foliation 30.00°»				
		‹ @ 159.00 primary sed foliation fabric 45.00° › with ‹ @ 159.00 shear foliation 30.00° ›				
		‹ @ 159.50 dominant foliation 25.00° › with ‹ @ 159.50 weak secondary crenulation foliation 60.00° ›				
		‹ @ 160.20 dominant foliation fabric 30.00° › with ‹ @ 160.20 secondary crenulation foliation 60.00° ›				
		161.12 184.83 LMST	161.12	162.00	389982	0.88
		Limestone	162.00	163.07	389983	1.07
		Dark grey, similar to previous; rare to common calcite veining	163.07	164.57	389984	1.50
		Weakly graphitic, "dirty", with graphite on some fracture/slip surfaces	164.57	166.12	389985	1.55
		« no to trace very fine grained disseminated py 0.10-0.50°»	166.12	167.62	389986	1.50
		‹ @ 161.12 upper contact 45.00° ›	167.62	169.16	389987	1.54
		‹ @ 162.00 foliation fabric 55.00° ›	169.16	170.66	389988	1.50
		« 162.58- 162.70 rotation of foliation 0°» to parallel with core axis; « dominant foliation -5.00°0°» with ‹ @ 162.58 crenulation hinges 30.00° ›	170.66	172.21	389989	1.55
			172.21	173.71	389990	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		@ 163.07 dominant foliation 60.00°	173.71	175.26	389991	1.55
		« 163.34- 163.60 shear foliation 50.00° » slightly gritty, with sheared and boudinaged calcite veinlets	175.26	176.76	389992	1.50
			176.76	178.31	389993	1.55
		@ 164.60 slightly gougy graphitic shear 60.00° 3.00mm	178.31	179.81	389994	1.50
		« 165.64- 165.95 weak shear 60.00° »; with slightly more broken and fractured core; locally graphitic fracture surfaces	179.81	181.36	389995	1.55
			181.36	182.86	389996	1.50
		« 166.12- 166.40 laminations of pyrite 3.00% » with minor « Quartz-Carb Veinlets 60.00° »	182.86	184.40	389997	1.54
			184.40	184.83	389998	0.43
		@ 167.14 dominant foliation 70.00° with @ 167.14 crenulation foliation 30.00°				
		@ 168.27 dominant foliation 65.00° with @ 168.27 crenulation foliation 50.00°				
		@ 168.65 dominant foliation 65.00° with @ 168.65 crenulation foliation 55.00°				
		@ 169.16 dominant foliation 70.00°				
		@ 170.20 dominant foliation 56.00° with 2mm of graphitic shear/micro faulting				
		@ 170.60 dominant foliation 59.00° with @ 170.60 thin Quartz-Calcite Veins 150.00-130.00°				
		« 170.88- 171.92 minor limestone breccia and Quartz-Calcite Veins at 60° »				
		@ 172.21 fracture foliation and dominant foliation 76.00° with a @ 172.21 prependicular crenulation foliation 60.00° with minor silty quartz-calcite bands with « py 2.00% »				
		@ 172.75 dominant foliation 65.00°				
		@ 173.00 dominant foliation 60.00° with @ 173.00 crenulation foliation 40.00°				
		@ 173.71 dominant foliation 70.00° with @ 173.71 at 20 degrees to the dominant foliation, a secondary crenulation foliation 30.00-40.00°				
		@ 174.19 dominant foliation 70.00° with				
		@ 174.19 weak, secondary foliation 40.00°				
		@ 174.80 dominant foliation 70.00° with @ 174.80 at 10-15 deg, a 2ndary mic-slip foliation 55.00°				
		@ 175.26 dominant foliation 60.00° with, at 20 degrees to the dominant foliation, @ 175.26 a secondary crenulation foliation 60.00°; becoming increasingly graphitic/argillaceous from 175m to 180m				
		@ 176.10 primary foliation 30.00° with a @ 176.10 fracture foliation 65.00° and disseminated medium grained pyrite cubes, 1%				
		@ 176.80 dominant foliation 50.00-45.00° with old, and slightly displaced/slipped @ 176.80 Quartz-Calcite Veins 170.00° (weakly sheared)				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		Quartz-calcite veinlets occasionally boudinaged				
		@ 177.30 dominant foliation 65.00° with @ 177.30 crenulation foliation 20.00°				
		@ 178.31 dominant foliation 70.00°				
		@ 178.90 dominant foliation 70.00° with @ 178.90 semi-healed fracture foliation 130.00°; locally graphitic slip faces				
		« 179.50- 179.90 crenulated fold hinges 20.00° » with « fracture foliation 70.00° », « post-deformational Quartz-Calcite Veins 70 ° », and « bands of dusty py -3.00% »				
		@ 179.90 slightly graphitic shear/slip face 75.00%				
		@ 180.40 dominant foliation 65.00°				
		@ 181.00 dominant foliation 65.00°				
		@ 181.45 dominant foliation 64.00°				
		@ 182.00 dominant foliation 74.00°				
		@ 182.86 dominant foliation 56.00° with @ 182.86 crenulation foliation 40.00°				
		@ 184.00 dominant foliation 54.00° with @ 184.00 Calcite Veins 155.00° and @ 184.00 at 20 degrees to dom fol'n, local fracture foliation 23.00°				
		« 184.30- 184.31 Calcite Veins 140.00° » relative to @ 184.30 dominant foliation 69.00°				
		« 184.39- 184.40 dominant foliation 70.00° » with « vuggy Calcite Veins 175.00° » with euhedral calcite crystals				
		@ 184.70 dominant foliation 65.00° with @ 184.39 healed fracts? as Calcite Veins 160.00°				
		@ 184.83 lower contact 65.00° slightly graphitic and sheared				
		184.83 185.49 ARGL	184.83	185.49	389999	0.66
		Argillite, slightly graphitic (altered garg?); dark grey to weakly sericitized; common quartz-carbonate veinlets and quartz veins; weakly sheared locally « py -2.00% » generally associated with veining; locally medium grained pyrite within quartz veins				
		Upper contact sericitized with light sericite/mica on fractures				
		« 184.80- 184.90 foliation 50.00-60.00° » with « Quartz-Carb Veinlets 120.00° », weakly sheared and folded				
		« 185.17- 185.24 Quartz Vein 70.00-80.00° » with « medium grained euh-subhedral py 3.00% »				
		@ 185.34 foliation 55.00°				
		@ 185.49 slightly warped foliation 55.00-60.00°				
		@ 185.49 with quartz vein, relative to fol'n, lower contact 95.00°				
		185.49 188.94 ARGL	185.49	186.99	390000	1.50

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		light to medium grey phyllitic argillite/mudstone; fine grained with « average	185.49	186.99	88751	1.50
		foliation 65.00-80.00° » trace « disseminated on foliation py 0.50% »;	186.99	188.40	88752	1.41
		« @ 185.49 upper contact 75.00° » with an initial 3cm quartz vein on	188.40	188.94	88753	0.54
		foliation; minor disseminated pyrite (trace)				
		« @ 186.06 Quartz Vein 110.00° 1.00cm » relative to « @ 186.06 foliation				
		75.00-80.00° » with trace pyrite				
		« @ 187.00 foliation 58.00° »				
		« @ 187.45 foliation 75.00° »				
		« @ 188.60 Quartz Vein 90.00° »				
		188.94 191.64 LMST	188.94	190.50	88754	1.56
		Limestone with very minor Argillite component/partings (1-2%); core is dark	190.50	191.64	88755	1.14
		grey/black with grey-white partings; foliation easily visible; reacts readily				
		with HCL; calcite veins predominant over quartz veins; very « minor				
		disseminated py 0.80% »				
		« @ 188.94 upper contact 75.00° » on foliation				
		« @ 191.64 lower contact 70.00° » on foliation				
		« 188.94- 189.17 abundant (30%) Calcite Veins 125.00-140.00 » relative to				
		« foliation 65.00-70.00° »				
		« @ 189.69 Calcite Veins 35.00° 1.00cm » with « @ 189.69 foliation 80.00° »				
		« @ 190.10 foliation 90.00° »				
		190.18 - 190.32m core becomes excessively strained, foliations show;				
		crenulations, breccia, boudins of calcite/quartz, s-forms, however core is				
		coherent, « disseminated py 1.00-2.00% » with minor argillite partings				
		« @ 190.40 Quartz Vein 55.00° 1.00cm »				
		« @ 190.50 Quartz Vein 45.00 3.00cm » containing brecciated limestone				
		fragments				
		« 190.56- 190.68 gougy and slightly bleached FLT 90.00° » with « py				
		0.80% »				
		« @ 190.75 foliation 90.00° »				
		« @ 190.90 foliation 9.00° »				
		« 191.39- 191.47 FGSS » with minor medium grained euhedral disseminated				
		«				
		py 0.50% » grains				
		« 191.54- 191.59 FGSS 85.00° » similar to above				
		191.64 193.11 FGSS	191.64	193.11	88756	1.47
		FGSS (65%) with Argillite (35%)				
		Fine grained sandstone (quartzite) interbedded with argillite; sandstone is				
		typically argillaceous, giving rise to a very dark colored sandstone, although				
		core is hard and relatively well silicified				

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 191.64- 191.78 black and grey bands of ARGL 85.00-90.00° » with the odd pyrite crystal				
		« 191.78- 192.55 argillic FGSS 50.00-70.00° », fine grained with a dark grey core and trace pyrite				
		« @ 192.27 Quartz-Calcite Veins 50.00° 1.00cm »				
		« 192.55- 193.11 sandy (FGSS) ARGL » with « @ 192.60 foliation 75.00° » to « @ 192.89 foliation 40.00° » to « @ 193.11 foliation 90.00° » with trace pyrite				
		193.11 199.42 LMST	193.11	194.61	88757	1.50
		Similar to the above limestone unit	194.61	196.11	88758	1.50
		« @ 193.11 upper contact 85.00-90.00° »	196.11	197.61	88759	1.50
		« @ 199.42 lower contact 60.00° »	197.61	199.42	88760	1.81
		« 193.35- 193.39 Quartz-Calcite Veins 105.00-110.00° » relative to « foliation 80.00° »	197.61	199.42	88761	1.81
		« 193.74- 193.75 Quartz-Calcite Veins 85.00° » with minor disseminated « py 0.80% » adjacent to foliations				
		« 194.01- 194.05 Quartz-Calcite Veins 80.00° »				
		« 195.56- 195.57 gougy FLT » with trace disseminated py				
		« @ 196.11 foliation 90.00° »				
		« @ 196.60 foliation 75.00° »				
		« Quartz-Calcite Veins 60.00-70.00° » with it being on foliation				
		« @ 197.70 foliation 75.00° »				
		« 198.69- 198.81 abundant (55%) essential on fol'n Quartz-Calcite Veins » with disseminated « py 0.80% » inclusive				
		« @ 199.00 foliation 75.00° »				
		« 199.28- 199.31 Quartz-Calcite Veins 70.00° » on foliation, no disseminated pyrite inclusive				
		199.42 201.22 ARGL	199.42	199.99	88762	0.57
		Black argillite with minor graphitic zones, fine grained, trace « py 0.50% »	199.99	201.22	88763	1.23
		« @ 199.65 foliation 55.00-60.00° »				
		« @ 199.99 foliation 50.00° »				
		« 199.99- 200.18 dark argillic FGSS 50.00° », similar to above unit				
		« 200.68- 200.76 broken core with Quartz-Calcite Veins 20.00° 3.00-4.00cm »				
		201.22 214.88 LMST	201.22	202.69	88764	1.47
		Similar to previous Limestone unit; though more calcite/quartz veinlets	202.69	204.21	88765	1.52
		« @ 201.22 upper contact 90.00° »	204.21	205.74	88766	1.53
		« 201.25- 201.27 gougy and broken core in FLT » with « disseminated py 0.80% »	205.74	207.24	88767	1.50
			207.24	208.79	88768	1.55

From	To	Rocktype & Description	S_from	S_to	Sample	Width
		« 201.54- 201.87 Quartz-Calcite Veins 90.00% 0.50cm» cross cutting «	208.79	210.31	88769	1.52
		minant foliation 90.00»	210.31	211.84	88770	1.53
		« @ 202.40 foliation 70.00° »	211.84	213.14	88771	1.30
		« 202.59- 202.60 foliation parallel Quartz-Calcite Veins 70.00°» with	213.14	214.88	88772	1.74
		trace pyrite				
		« 203.42- 203.47 Quartz Vein 65.00°»				
		« @ 203.97 foliation 90.00° »				
		« 203.99- 204.16 s-form foliation 90.00°»				
		« 204.17- 204.24 foliation parallel Quartz-Calcite Veins 75.00°»				
		« @ 205.40 foliation 85.00° »				
		« 205.80- 205.81 pyrite 70.00° 1.00cm»				
		« @ 206.00 foliation 90.00° »				
		« @ 207.00 foliation 70.00° »				
		« @ 207.84 foliation 55.00-60.00° »				
		« 208.15- 208.35 brecciated limestone within Quartz-Calcite Veins				
		40.00%»				
		« @ 209.00 foliation 85.00-90.00° »				
		« @ 210.31 foliation 85.00° »				
		« 211.51- 211.52 foliation parallel Quartz-Calcite Veins 55.00-60.00°»				
		« 212.50 foliation 80.00-90.00° »				
		« 213.42- 214.06 broken and Lost Core »				
		« 214.06- 214.10 foliation parallel Quartz-Calcite Veins 70.00°»				
		« 214.23- 214.24 Quartz-Calcite Veins 88.00°»				
		« @ 214.60 foliation 90.00° »				
		« @ 214.88 foliation 85.00° »				
		EOH				
		214.88 214.88 EOH				

Assay
Certificates

APPENDIX E

ALS Chemex Assay Sheets



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

STRATAGOLD EXPLORATION INC.

701-475 HOWE ST

VANCOUVER BC V6C 2B3

Page: 1

Finalized Date: 25-AUG-2004

Account: STRGOL

CERTIFICATE VA04048618

Project: 1744

P.O. No.:

This report is for 90 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: ACCOUNTS PAYABLE
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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: STRATAGOLD EXPLORATION INC.
701-475 HOWE ST
VANCOUVER BC V6C 2B3

Page: 2 - A
Total # Pages: 4 (A - C)
Finalized Date: 25-AUG-2004
Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04048618

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M271251		1.32	0.063		1.5	3.14	1720	100	0.8	24	0.09	<0.5	<1	146	18	1.00
M271252		1.52	0.084		<0.5	5.08	1030	220	1.1	7	0.05	<0.5	<1	121	13	0.84
M271253		3.14	0.128		0.6	4.76	3040	80	1.1	4	0.08	<0.5	<1	91	44	1.00
M271254		1.52	0.029		<0.5	3.36	1005	230	0.7	41	0.03	<0.5	1	115	12	0.46
M271255		2.56	0.007		<0.5	3.34	621	280	0.8	8	0.03	<0.5	<1	76	15	1.32
M271256		1.50	0.008	0.011	<0.5	3.92	783	320	1.0	10	0.03	<0.5	1	134	20	1.64
M271257		7.38	0.006		<0.5	4.85	486	410	1.4	2	0.08	<0.5	3	85	71	1.98
M271258		6.70	0.008		<0.5	4.45	677	350	1.3	10	0.10	<0.5	3	136	133	2.16
M271259		5.60	0.040		<0.5	3.46	1415	290	0.8	18	0.02	<0.5	1	88	19	1.79
M271260		8.08	0.016		<0.5	4.89	750	360	1.3	15	0.13	<0.5	2	102	206	2.48
M271261		3.98	0.114		<0.5	2.13	645	140	0.5	32	0.02	<0.5	6	24	111	2.36
M271262		2.80	0.145		<0.5	4.87	1825	320	1.2	60	0.04	<0.5	12	70	152	3.00
M271263		5.94	0.069		<0.5	6.67	1065	480	1.9	16	0.30	1.1	16	51	212	4.08
M271264		8.16	0.137		<0.5	3.87	754	260	1.1	33	0.39	<0.5	9	72	280	2.92
M271265		1.16	0.006		0.5	6.35	3460	420	2.9	3	0.10	0.6	37	55	851	17.05
M271266		1.12	0.026		<0.5	6.03	557	400	1.6	19	0.94	1.4	13	69	262	4.95
M271267		3.76	0.011		<0.5	5.43	116	390	1.4	10	1.50	<0.5	8	41	190	2.51
M271268		4.60	0.013		<0.5	5.14	222	400	1.3	2	1.58	<0.5	10	64	61	2.20
M271269		4.30	0.036		<0.5	1.80	2140	130	<0.5	4	0.60	<0.5	11	20	71	1.27
M271270		5.12	0.157		<0.5	1.66	8720	110	<0.5	11	0.48	<0.5	41	90	231	3.13
M271271		5.90	0.007		<0.5	2.22	104	190	0.6	<2	0.85	<0.5	5	22	79	1.44
M271272		7.16	<0.005		<0.5	3.72	91	310	1.1	<2	1.64	<0.5	7	73	25	2.57
M271273		3.78	0.023		<0.5	3.69	170	260	1.0	5	2.05	1.0	10	23	58	3.27
M271274		3.72	0.015		<0.5	3.35	47	280	0.9	<2	1.40	<0.5	3	55	44	1.64
M271275		0.18	0.043		<0.5	4.09	503	310	0.9	<2	1.40	<0.5	7	33	88	2.51
M271276		2.82	0.046	0.054	<0.5	7.03	146	580	1.9	7	4.39	<0.5	15	94	114	5.03
M271277		1.72	0.134		<0.5	5.25	910	270	1.4	9	2.31	<0.5	15	107	311	6.13
M271278		3.94	0.097		<0.5	6.93	110	530	1.8	104	5.54	<0.5	12	91	208	4.97
M271279		3.54	0.054		<0.5	5.40	103	430	1.4	7	3.56	<0.5	10	86	163	4.77
M271280		3.08	0.018		<0.5	5.83	29	520	1.5	2	1.54	<0.5	3	120	86	2.44
M271281		2.92	0.010		<0.5	2.10	62	170	0.5	76	0.85	<0.5	2	138	95	2.02
M271282		1.86	0.069		<0.5	4.40	248	360	1.1	105	1.35	<0.5	4	144	96	2.86
M271283		3.52	0.033		<0.5	2.96	41	260	0.8	12	1.08	<0.5	2	136	60	1.70
M271284		2.68	0.023		<0.5	3.97	28	330	1.1	<2	1.72	<0.5	1	134	62	1.84
M271285		3.72	0.023		<0.5	4.44	65	370	1.3	4	1.42	<0.5	2	126	121	2.26
M271286		3.60	0.012		<0.5	2.39	42	180	0.5	2	1.24	1.9	2	158	87	1.80
M271287		3.22	0.011		<0.5	2.81	103	230	0.6	3	0.80	<0.5	3	132	78	1.50
M271288		3.34	0.022		<0.5	2.80	116	230	0.6	9	0.66	<0.5	3	160	67	1.86
M271289		3.82	0.023		<0.5	2.84	34	250	0.7	4	0.64	<0.5	1	134	59	1.35
M271290		3.86	0.012		<0.5	2.84	235	220	0.7	10	0.79	<0.5	3	144	89	2.39



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To: STRATAGOLD EXPLORATION INC.
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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CERTIFICATE OF ANALYSIS VA04048618

Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
M271251	0.01	0.68	0.62	34	1	0.18	4	160	22	0.21	42	53	0.16	38	10
M271252	<0.01	2.01	0.52	11	1	0.10	4	60	16	0.19	49	41	0.32	60	10
M271253	<0.01	0.72	0.95	14	1	0.27	3	50	9	0.05	24	25	0.22	48	10
M271254	<0.01	1.51	0.20	10	1	0.04	3	80	10	0.04	9	8	0.15	30	10
M271255	<0.01	1.68	0.17	11	1	0.02	3	110	3	0.11	13	15	0.14	33	<10
M271256	<0.01	1.93	0.21	18	2	0.03	3	120	2	0.11	17	13	0.19	43	<10
M271257	0.01	2.46	0.31	144	1	0.03	11	190	4	0.12	10	8	0.22	51	<10
M271258	<0.01	2.18	0.28	116	1	0.03	17	200	9	0.17	10	11	0.17	44	<10
M271259	<0.01	1.64	0.16	35	1	0.03	6	120	6	1.00	7	7	0.13	31	<10
M271260	<0.01	2.27	0.24	139	2	0.03	11	300	5	0.52	10	13	0.14	43	10
M271261	<0.01	0.96	0.10	69	1	0.02	11	120	11	1.43	8	6	0.08	23	<10
M271262	<0.01	2.17	0.23	115	1	0.04	16	190	116	0.83	30	14	0.20	56	<10
M271263	0.01	3.12	0.40	474	<1	0.04	29	260	38	1.37	6	13	0.28	74	<10
M271264	<0.01	1.68	0.29	263	1	0.02	23	210	7	1.54	7	9	0.14	40	<10
M271265	<0.01	2.72	0.30	2690	1	0.02	61	700	124	0.64	24	15	0.13	92	<10
M271266	<0.01	2.68	0.60	1305	1	0.04	33	320	43	1.54	11	25	0.23	68	<10
M271267	<0.01	2.54	0.76	576	1	0.04	23	180	7	0.76	17	31	0.23	54	<10
M271268	<0.01	2.49	0.77	496	1	0.04	16	220	6	0.69	<5	25	0.21	53	<10
M271269	<0.01	0.84	0.28	198	<1	0.02	9	90	3	0.58	<5	10	0.08	18	<10
M271270	0.01	0.74	0.21	196	<1	0.02	18	90	7	2.24	7	9	0.08	18	<10
M271271	0.01	1.10	0.40	306	<1	0.02	10	110	<2	0.48	<5	16	0.10	23	<10
M271272	<0.01	1.82	0.73	658	<1	0.03	15	180	8	0.46	<5	33	0.15	38	<10
M271273	0.01	1.74	0.79	978	1	0.02	17	230	24	1.24	11	41	0.14	38	<10
M271274	0.01	1.62	0.63	433	1	0.02	12	150	8	0.59	<5	17	0.12	29	<10
M271275	0.04	1.96	0.68	490	1	0.03	17	210	3	1.00	<5	12	0.16	34	10
M271276	<0.01	3.56	2.00	1535	1	0.05	33	420	3	1.75	72	43	0.38	94	10
M271277	<0.01	2.68	1.19	543	2	0.05	35	540	3	5.05	202	20	0.22	64	10
M271278	<0.01	3.39	2.00	1355	2	0.04	35	460	3	2.39	27	68	0.35	89	10
M271279	<0.01	2.64	1.44	1295	1	0.03	27	340	4	2.06	33	50	0.25	60	10
M271280	0.02	2.88	0.96	381	2	0.04	25	250	6	0.87	18	21	0.22	66	10
M271281	<0.01	1.00	0.43	253	1	0.02	18	150	7	1.04	27	13	0.09	20	<10
M271282	<0.01	2.00	0.84	362	3	0.05	20	190	19	1.47	18	21	0.17	45	10
M271283	0.02	1.44	0.60	299	1	0.03	15	250	3	0.59	15	15	0.10	30	<10
M271284	<0.01	1.95	0.92	419	2	0.03	15	260	6	0.51	9	20	0.17	42	<10
M271285	0.01	2.18	0.80	417	2	0.03	18	160	2	0.76	11	11	0.15	42	<10
M271286	0.01	1.15	0.53	389	3	0.02	8	350	15	0.75	9	23	0.06	15	<10
M271287	0.01	1.33	0.40	240	1	0.02	9	100	5	0.68	6	10	0.05	15	<10
M271288	0.04	1.32	0.37	237	2	0.02	9	100	4	0.81	6	12	0.08	18	<10
M271289	0.01	1.36	0.36	196	1	0.02	8	160	3	0.46	<5	8	0.10	19	<10
M271290	0.02	1.35	0.43	322	2	0.02	12	120	4	1.28	<5	9	0.09	20	<10



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CERTIFICATE OF ANALYSIS VA04048618

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M271251		13
M271252		126
M271253		6
M271254		9
M271255		5
M271256		8
M271257		18
M271258		43
M271259		10
M271260		47
M271261		37
M271262		192
M271263		144
M271264		59
M271265		1040
M271266		334
M271267		23
M271268		26
M271269		9
M271270		17
M271271		16
M271272		65
M271273		300
M271274		40
M271275		38
M271276		28
M271277		22
M271278		6
M271279		21
M271280		13
M271281		11
M271282		29
M271283		22
M271284		16
M271285		26
M271286		350
M271287		21
M271288		24
M271289		22
M271290		38



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CERTIFICATE OF ANALYSIS VA04048618

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M271291		1.84	0.005		<0.5	2.78	42	210	0.7	5	0.64	<0.5	2	118	55	1.43
M271292		2.96	0.030		<0.5	3.44	409	230	0.8	86	0.39	<0.5	2	141	179	2.75
M271293		2.24	0.041		<0.5	4.87	614	340	1.2	22	0.77	<0.5	7	102	79	2.97
M271294		3.46	0.042		<0.5	7.77	261	530	2.0	13	3.48	<0.5	20	99	74	4.79
M271295		1.96	0.196		<0.5	7.69	2050	140	2.0	41	1.61	<0.5	53	106	127	8.41
M271296		0.90	0.164		<0.5	7.39	1625	110	2.0	35	1.54	<0.5	46	119	124	8.18
M271297		2.64	0.254		<0.5	5.72	2630	70	1.5	64	3.26	<0.5	44	108	214	10.35
M271298		3.16	0.277		0.5	6.15	1430	80	1.5	85	3.06	<0.5	19	115	269	11.80
M271299		1.20	0.165		0.6	6.07	2410	140	1.8	59	3.39	<0.5	20	93	100	9.44
M271300		2.48	0.082		<0.5	6.32	2170	370	1.7	26	3.62	<0.5	18	67	26	5.07
M271301		2.62	0.239		<0.5	5.56	1025	80	1.5	81	3.58	<0.5	15	70	84	12.85
M271302		2.62	0.027		<0.5	6.62	608	640	2.1	23	3.86	0.6	15	49	54	3.71
M271303		3.32	0.142		<0.5	7.28	286	190	2.0	36	3.17	<0.5	27	74	108	6.96
M271304		3.78	0.029		<0.5	8.02	71	940	2.4	12	2.05	<0.5	10	58	110	3.65
M271305		4.18	0.006		<0.5	8.09	43	880	2.1	<2	3.56	<0.5	12	57	61	3.10
M271306		3.26	0.046		<0.5	8.22	734	910	2.4	4	2.36	<0.5	8	55	93	3.39
M271307		3.80	0.079		<0.5	7.77	767	780	2.2	12	3.00	<0.5	16	66	117	4.55
M271308		2.98	0.302		0.7	7.14	561	210	1.9	75	2.21	<0.5	41	52	160	9.44
M271309		3.96	1.010		4.8	4.26	3210	60	1.5	99	0.46	0.9	26	57	280	15.20
M271310		2.22	0.325		7.0	2.19	511	70	0.7	23	0.32	3.4	8	17	1020	26.5
M271311		3.66	0.083		5.4	6.39	795	320	1.4	75	1.38	6.5	7	56	731	8.00
M271312		2.98	0.011		<0.5	6.68	312	780	1.8	19	4.32	<0.5	11	50	78	4.23
M271313		3.30	<0.005		<0.5	5.79	114	840	1.6	<2	5.99	<0.5	11	41	47	3.91
M271314		3.12	<0.005		<0.5	6.02	39	830	1.7	<2	4.90	<0.5	10	36	38	3.30
M271315		4.34	<0.005		<0.5	6.73	83	910	1.9	<2	4.08	<0.5	13	48	28	3.53
M271316		3.84	<0.005		<0.5	5.36	47	640	1.5	<2	4.05	<0.5	9	33	35	2.93
M271317		4.12	<0.005		<0.5	5.36	48	550	1.4	<2	4.77	<0.5	8	46	37	3.21
M271318		3.98	<0.005		<0.5	5.28	49	450	1.4	<2	4.39	<0.5	9	42	13	3.53
M271319		2.88	<0.005		0.8	5.56	56	470	1.4	<2	5.16	<0.5	11	50	115	4.49
M271320		3.16	0.005		<0.5	5.37	59	470	1.5	<2	4.55	<0.5	7	40	54	5.05
M271321		1.64	0.006	0.007	<0.5	5.07	54	450	1.4	<2	5.10	<0.5	9	46	56	5.00
M271322		3.36	0.006		<0.5	5.89	41	620	1.6	<2	3.99	<0.5	8	37	48	4.29
M271323		3.78	0.009		<0.5	6.93	259	750	1.9	2	3.32	<0.5	15	59	105	4.82
M271324		2.92	0.009		<0.5	6.86	82	800	1.9	<2	4.94	<0.5	12	49	53	3.94
M271325		1.44	0.131		1.4	4.17	2090	160	1.0	5	5.51	7.5	9	36	317	9.56
M271326		2.38	0.103		<0.5	6.72	811	380	1.9	7	3.25	1.0	14	81	61	8.67
M271327		3.22	0.071		0.7	0.62	1170	30	<0.5	12	0.20	0.9	4	53	330	37.5
M271328		2.96	0.088		0.7	0.47	1585	10	<0.5	11	0.91	<0.5	<1	38	245	38.1
M271329		3.34	<0.005		<0.5	5.16	20	430	1.2	<2	8.13	<0.5	6	45	34	3.41
M271330		3.34	<0.005		<0.5	6.59	44	650	1.6	<2	4.04	<0.5	9	57	17	2.79



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
M271291	0.03	1.32	0.36	231	1	0.02	7	160	2	0.71	<5	10	0.10	19	<10
M271292	0.05	1.54	0.31	150	2	0.03	16	120	14	2.53	5	7	0.08	25	<10
M271293	0.02	2.22	0.55	263	1	0.04	24	330	13	2.72	7	13	0.09	45	<10
M271294	0.01	3.42	2.07	873	5	0.10	52	480	5	3.94	6	66	0.32	130	10
M271295	<0.01	3.34	1.24	471	7	0.11	99	440	5	7.85	14	25	0.24	142	10
M271296	<0.01	3.22	1.21	472	6	0.11	101	390	6	7.55	9	25	0.27	137	10
M271297	<0.01	2.44	1.76	824	4	0.09	72	400	6	>10.0	6	38	0.19	96	10
M271298	0.02	2.62	1.63	940	5	0.09	57	470	11	>10.0	7	41	0.21	101	10
M271299	0.01	2.49	1.60	991	4	0.05	43	550	16	7.23	11	120	0.20	94	10
M271300	0.01	3.08	2.05	740	3	0.06	43	560	7	4.10	7	44	0.30	85	10
M271301	0.01	2.49	1.81	866	3	0.05	38	460	13	>10.0	9	43	0.19	87	10
M271302	0.01	3.02	2.20	876	2	0.05	43	720	8	2.21	11	88	0.39	93	10
M271303	0.01	3.37	1.89	690	6	0.06	55	480	3	5.88	<5	59	0.30	127	<10
M271304	<0.01	4.11	1.51	471	5	0.08	42	470	12	2.07	6	36	0.35	143	<10
M271305	<0.01	3.67	2.14	764	1	0.22	49	540	15	1.03	5	69	0.34	91	<10
M271306	<0.01	4.05	1.64	603	4	0.08	45	490	15	1.72	8	46	0.35	126	10
M271307	<0.01	3.60	1.88	892	8	0.08	50	470	21	2.32	8	53	0.32	136	10
M271308	0.01	2.86	1.64	919	4	0.13	39	440	101	6.80	8	60	0.25	114	10
M271309	<0.01	0.48	1.15	3240	1	0.22	39	360	706	>10.0	23	58	0.21	55	20
M271310	<0.01	0.62	1.81	>10000	2	0.08	40	430	668	>10.0	88	18	0.06	30	<10
M271311	<0.01	2.78	1.47	3330	7	0.10	30	400	1190	4.74	52	39	0.24	124	<10
M271312	0.01	3.32	2.76	1450	1	0.05	38	410	15	0.86	8	126	0.27	167	<10
M271313	0.03	2.96	3.21	1805	1	0.04	30	410	5	0.61	5	239	0.25	111	<10
M271314	<0.01	3.21	2.91	1290	1	0.05	28	390	4	0.29	<5	261	0.27	81	<10
M271315	<0.01	3.57	2.83	1085	1	0.05	38	440	<2	0.31	6	290	0.24	65	<10
M271316	<0.01	2.76	2.59	1535	1	0.04	29	380	14	0.18	5	266	0.19	50	<10
M271317	<0.01	2.69	3.02	1775	1	0.05	29	330	6	0.08	5	268	0.27	52	<10
M271318	<0.01	2.65	3.06	2000	1	0.05	30	340	5	0.04	<5	200	0.28	60	<10
M271319	0.01	2.59	3.49	2530	3	0.05	31	370	<2	0.02	11	272	0.28	66	<10
M271320	<0.01	2.49	3.13	3350	1	0.05	33	310	10	0.41	7	224	0.26	53	<10
M271321	<0.01	2.39	3.28	3120	1	0.05	29	290	5	0.50	6	242	0.25	51	10
M271322	<0.01	3.00	2.68	1995	1	0.05	27	400	7	0.53	7	196	0.27	57	<10
M271323	<0.01	3.51	2.57	2240	4	0.06	36	420	19	0.89	10	108	0.29	186	10
M271324	<0.01	3.41	2.83	1935	3	0.06	32	420	5	0.76	7	146	0.29	180	<10
M271325	0.03	2.00	2.90	3840	4	0.04	39	320	635	6.19	19	122	0.16	64	<10
M271326	0.05	2.16	2.20	2060	5	0.04	25	690	46	3.97	16	114	0.42	122	10
M271327	0.02	0.16	1.01	7290	1	0.01	20	290	<2	>10.0	18	8	0.02	8	<10
M271328	0.24	0.05	2.41	9130	1	0.01	22	390	7	>10.0	17	25	0.01	9	<10
M271329	<0.01	2.72	4.23	1675	1	0.03	19	370	3	0.83	7	282	0.20	38	<10
M271330	<0.01	3.73	2.76	1150	1	0.04	25	330	3	0.19	<5	242	0.29	50	<10



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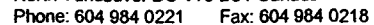
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M271291		24
M271292		16
M271293		43
M271294		27
M271295		13
M271296		13
M271297		19
M271298		17
M271299		44
M271300		15
M271301		56
M271302		52
M271303		27
M271304		134
M271305		46
M271306		43
M271307		38
M271308		49
M271309		222
M271310		648
M271311		1680
M271312		50
M271313		55
M271314		37
M271315		22
M271316		25
M271317		17
M271318		18
M271319		38
M271320		18
M271321		16
M271322		12
M271323		11
M271324		21
M271325		1990
M271326		242
M271327		5
M271328		3
M271329		12
M271330		14



Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M271331		13
M271332		7
M271333		201
M271334		13
M271335		8
M271336		10
M271337		4
M271338		13
M271339		23
M271340		6



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Phone: 604 984 0221 Fax: 604 984 0218

To: STRATAGOLD EXPLORATION INC.
701-475 HOWE ST
VANCOUVER BC V6C 2B3

Page: 1
Finalized Date: 25-AUG-2004
Account: STRGOL

QC CERTIFICATE VA04048618

Project: 1744

P.O. No.:

This report is for 90 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: ACCOUNTS PAYABLE
701-475 HOWE ST
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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:



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Finalized Date: 25-AUG-2004
Account: STRGOL

Project: 1744

QC CERTIFICATE OF ANALYSIS VA04048618

Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01
Sample Description															
M271251 DUP Target Range - Lower Bound Upper Bound	DUPLICATES														0.01 0.01 0.01 0.02
M271252 DUP Target Range - Lower Bound Upper Bound	0.084 0.089 0.072 0.101														
M271263 DUP Target Range - Lower Bound Upper Bound			<0.5 6.67 6.78 6.37 1.0	6.67 6.78 6.37 7.08	1065 1095 1015 1145	480 500 450 530	1.9 1.9 0.8 3.0	16 18 12 22	0.30 0.31 0.27 0.34	1.1 1.1 0.5 2.2	16 16 13 19	51 50 46 55	212 213 200 225	4.08 4.17 3.90 4.35	
M271272 DUP Target Range - Lower Bound Upper Bound	<0.005 0.005 0.005 0.010														
M271287 DUP Target Range - Lower Bound Upper Bound															0.01 0.01 0.01 0.02
M271292 DUP Target Range - Lower Bound Upper Bound	0.030 0.030 0.019 0.042														
M271299 DUP Target Range - Lower Bound Upper Bound			0.6 5.97 5.70 1.0	6.07 5.97 5.70 6.34	2410 1790 1985 2220	140 110 100 150	1.8 1.7 0.7 2.8	59 56 51 64	3.39 3.41 3.21 3.59	<0.5 0.5 0.5 1.0	20 21 17 24	93 79 80 92	100 95 91 104	9.44 9.39 8.92 9.91	
M271323 DUP Target Range - Lower Bound Upper Bound															<0.01 0.01 0.01 0.02



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QC CERTIFICATE OF ANALYSIS VA04048618

Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01
Sample Description															
M271330 DUP	<0.005	<0.005	<0.005												
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
M271335 DUP			0.8 0.6	2.00 1.96	2430 2320	40 40	0.5 0.5	15 16	0.58 0.57	<0.5 <0.5	6 4	262 273	92 89	6.23 6.00	
Target Range - Lower Bound			<0.5	1.86	2250	20	<0.5	11	0.53	<0.5	3	252	84	5.79	
Upper Bound			1.0	2.10	2500	60	1.0	20	0.62	1.0	7	283	97	6.44	
273295 DUP			<0.5 <0.5	5.95 5.97	406 442	640 640	1.8 1.8	<2 <2	4.42 4.41	0.5 <0.5	10 11	100 94	36 37	3.99 3.98	
Target Range - Lower Bound			<0.5	5.64	393	590	0.7	<2	4.17	<0.5	8	90	33	3.77	
Upper Bound			1.0	6.28	455	690	2.9	4	4.66	1.0	13	104	40	4.20	



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Project: 1744

QC CERTIFICATE OF ANALYSIS VA04048618

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
		%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
M271330 DUP Target Range: Lower Bound Upper Bound		DUPLICATES														
M271335 DUP Target Range: Lower Bound Upper Bound		0.41 0.40 0.36 0.45	0.44 0.44 0.40 0.48	134 130 115 149	5 4 2 7	0.11 0.11 0.08 0.14	25 25 22 28	1770 1700 1630 1840	37 31 28 40	6.48 6.30 6.05 6.73	9 9 5 10	27 27 24 30	0.08 0.07 0.05 0.10	26 26 23 29	<10 <10 10 20	8 8 4 12
273295 DUP Target Range: Lower Bound Upper Bound		2.67 2.49 2.43 2.73	2.83 2.83 2.67 2.99	2770 2770 2620 2920	1 1 1 2	0.04 0.04 0.02 0.06	29 31 27 34	430 430 390 470	25 22 18 29	1.11 1.12 1.04 1.19	9 10 5 10	142 142 133 151	0.25 0.25 0.22 0.28	80 80 74 86	<10 <10 10 20	174 168 158 184

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Page: 1
Finalized Date: 16-AUG-2004
Account: STRGOL

Page: 1

CERTIFICATE VA04049714

Project: 1744

P.O. No.:

This report is for 75 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 31-JUL-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: **STRATAGOLD EXPLORATION INC.**
ATTN: ACCOUNTS PAYABLE
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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: 



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Project: 1744

CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M271341		1.40	0.711	0.709	1.3	1.36	4050	10	<0.5	54	0.06	<0.5	4	116	17	15.15
M271342		4.72	0.093		0.6	2.78	493	60	0.8	15	0.11	<0.5	7	42	24	4.47
M271343		2.50	0.112		0.5	1.88	1195	20	0.6	9	0.11	0.9	3	112	11	5.41
M271344		2.42	0.146		0.5	3.88	526	130	1.1	37	0.20	<0.5	6	42	19	5.06
M271345		4.16	0.145		<0.5	2.68	611	80	0.7	15	0.10	<0.5	4	74	18	4.66
M271346		1.70	0.126		<0.5	2.64	740	70	0.7	7	0.09	<0.5	8	37	9	4.94
M271347		2.44	0.046		<0.5	2.67	370	90	0.8	7	0.49	<0.5	4	80	13	3.60
M271348		2.54	0.106		<0.5	7.28	1430	370	2.1	2	0.19	<0.5	13	48	14	2.79
M271349		3.28	0.020		<0.5	9.17	696	500	2.6	<2	0.39	<0.5	16	76	40	4.19
M271350		3.58	<0.005		<0.5	7.23	12	400	2.0	<2	0.60	<0.5	12	54	32	3.67
M271351		3.96	<0.005		<0.5	8.21	14	460	2.4	<2	0.51	<0.5	12	64	39	4.37
M271352		3.42	<0.005		<0.5	9.46	17	570	2.7	<2	0.42	<0.5	14	62	38	4.33
M271353		3.28	<0.005		<0.5	8.61	10	500	2.4	<2	0.31	<0.5	17	61	45	4.27
M271354		3.38	<0.005		<0.5	8.92	27	540	2.3	<2	0.20	<0.5	19	68	47	4.88
M271355		2.60	<0.005		<0.5	8.85	43	560	2.2	<2	0.18	<0.5	16	70	35	4.66
M271356		3.06	<0.005		<0.5	9.25	34	640	2.3	<2	0.12	<0.5	21	60	38	3.97
M271357		3.16	<0.005		<0.5	8.82	15	590	2.3	<2	0.23	<0.5	17	67	40	4.08
M271358		3.86	<0.005		<0.5	9.44	26	560	2.3	<2	0.10	<0.5	15	61	40	4.50
M271359		3.30	0.010		<0.5	8.56	49	440	2.0	4	0.22	<0.5	16	83	255	4.22
M271360		5.14	0.157		0.8	0.67	196	30	<0.5	14	0.55	<0.5	6	<1	141	32.6
M271361		2.16	0.131	0.085	0.6	0.61	252	30	<0.5	12	0.54	<0.5	7	4	152	30.8
M271362		2.68	0.170		<0.5	0.56	1790	30	<0.5	9	1.00	<0.5	6	3	38	31.9
M271363		2.66	0.022		<0.5	1.30	22	70	<0.5	2	25.8	<0.5	3	10	50	4.66
M271364		3.40	0.023		0.6	0.61	23	30	<0.5	5	1.87	<0.5	2	<1	17	32.9
M271365		2.42	0.042		<0.5	4.27	11	200	0.8	12	4.51	<0.5	7	32	14	17.00
M271366		4.52	0.016		0.7	0.94	88	50	<0.5	2	2.01	<0.5	1	1	9	33.2
M271367		4.90	0.155		0.7	1.16	6700	40	<0.5	12	5.61	<0.5	3	32	8	31.4
M271368		4.24	0.676		1.7	0.64	>10000	20	<0.5	13	1.72	<0.5	2	4	80	38.2
M271369		5.92	0.934		2.9	0.44	>10000	10	<0.5	27	1.86	<0.5	2	41	98	37.9
M271370		2.78	0.392		0.9	5.97	2140	60	1.2	42	3.26	<0.5	7	37	52	17.60
M271371		4.10	0.552		1.0	1.85	2850	60	<0.5	71	3.85	<0.5	2	24	73	29.4
M271372		4.28	0.201		0.7	2.37	3190	80	0.6	17	8.68	<0.5	5	16	25	15.55
M271373		2.78	0.573		1.2	2.89	1690	80	0.6	53	6.65	<0.5	2	24	26	15.45
M271374		4.20	0.998		3.6	2.57	>10000	50	0.6	169	0.73	<0.5	4	19	206	32.9
M271375		3.10	0.494		1.9	3.67	5520	90	0.9	26	0.31	<0.5	7	83	489	11.60
M271376		1.12	2.18		9.4	6.29	>10000	90	1.7	29	0.44	0.7	13	52	1330	9.61
M271377		2.50	0.919		2.2	3.68	>10000	80	1.0	30	0.23	<0.5	3	73	91	14.85
M271378		1.64	0.367		1.3	1.66	8570	30	0.5	17	0.11	<0.5	5	33	79	6.89
M271379		2.60	0.363		1.8	2.65	>10000	20	0.7	30	0.12	<0.5	2	87	27	10.65
M271380		2.70	0.776		1.2	2.31	>10000	30	0.7	16	0.07	<0.5	3	43	15	10.55



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Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M271341		0.01	0.05	0.39	79	<1	0.12	11	110	196	>10.0	18	10	0.05	19	<10
M271342		<0.01	0.76	0.47	177	<1	0.12	16	220	58	4.49	5	18	0.14	35	<10
M271343		0.01	0.23	0.48	359	<1	0.13	11	160	24	5.15	<5	12	0.09	26	<10
M271344		0.03	1.34	0.53	228	1	0.10	14	230	11	5.15	7	20	0.14	44	<10
M271345		<0.01	0.68	0.46	133	<1	0.11	12	190	13	4.75	6	18	0.11	32	<10
M271346		<0.01	0.78	0.42	67	<1	0.10	14	200	9	5.25	<5	15	0.10	34	<10
M271347		<0.01	0.91	0.35	52	<1	0.08	13	2180	12	3.71	<5	42	0.12	34	<10
M271348		<0.01	3.64	0.61	267	<1	0.06	32	400	9	2.06	<5	41	0.33	82	<10
M271349		<0.01	4.35	1.67	528	<1	0.08	35	520	9	0.70	10	65	0.38	98	10
M271350		<0.01	3.24	1.60	535	1	0.07	31	420	<2	0.04	9	74	0.30	78	<10
M271351		<0.01	3.65	1.88	666	<1	0.09	32	460	8	0.02	6	77	0.34	87	10
M271352		<0.01	4.35	1.63	1030	1	0.11	37	770	5	0.02	<5	79	0.39	90	<10
M271353		<0.01	3.46	1.44	820	4	0.10	40	560	7	0.02	9	69	0.34	87	<10
M271354		<0.01	3.89	1.41	1125	1	0.11	43	600	8	0.08	12	53	0.39	92	10
M271355		<0.01	4.08	1.18	1090	<1	0.11	44	730	3	0.12	11	52	0.38	102	10
M271356		0.01	4.21	1.01	896	<1	0.10	44	470	6	0.15	14	52	0.37	92	<10
M271357		<0.01	4.12	1.09	1025	<1	0.09	40	510	7	0.06	9	64	0.32	92	<10
M271358		<0.01	4.27	1.16	982	<1	0.09	39	420	4	0.06	13	50	0.35	89	<10
M271359		<0.01	4.06	0.95	1450	<1	0.08	37	660	4	0.43	5	49	0.30	83	10
M271360		<0.01	0.30	3.60	>10000	<1	0.01	20	220	8	1.54	<5	12	0.02	9	<10
M271361		0.01	0.28	3.44	>10000	<1	0.01	17	220	6	1.46	5	12	0.02	6	<10
M271362		<0.01	0.21	2.57	>10000	<1	0.01	10	200	3	>10.0	7	27	0.02	5	<10
M271363		<0.01	0.57	0.89	3520	<1	0.02	5	210	<2	0.88	<5	829	0.04	12	10
M271364		<0.01	0.28	2.15	>10000	<1	0.02	7	240	4	0.59	<5	42	0.01	7	<10
M271365		<0.01	1.97	1.84	9840	<1	0.05	20	140	4	1.24	5	77	0.10	39	<10
M271366		<0.01	0.42	2.04	>10000	<1	0.02	12	180	<2	1.07	6	26	0.02	10	10
M271367		<0.01	0.54	2.19	8620	<1	0.01	10	310	14	>10.0	6	38	0.03	13	<10
M271368		0.01	0.23	0.84	1205	<1	0.02	11	120	83	>10.0	22	31	0.02	5	<10
M271369		0.01	0.15	0.90	1545	<1	0.02	8	120	240	>10.0	43	32	0.01	4	<10
M271370		0.01	2.64	1.80	2410	<1	0.11	21	250	71	>10.0	34	122	0.16	52	10
M271371		0.02	0.87	2.00	2640	<1	0.03	9	420	48	>10.0	32	41	0.04	17	10
M271372		0.01	1.08	4.18	8740	<1	0.03	12	140	14	>10.0	12	132	0.04	23	10
M271373		0.01	1.30	3.56	5560	<1	0.03	10	130	48	>10.0	19	126	0.05	28	<10
M271374		0.02	1.15	0.43	500	<1	0.04	13	350	238	>10.0	57	40	0.05	25	<10
M271375		0.01	1.15	0.50	271	1	0.10	19	300	77	>10.0	21	21	0.10	54	<10
M271376		0.01	2.64	0.57	385	4	0.05	29	380	40	9.28	104	30	0.19	101	10
M271377		<0.01	0.79	0.70	93	<1	0.18	38	320	176	>10.0	20	18	0.08	34	10
M271378		<0.01	0.29	0.36	194	<1	0.10	17	90	54	6.85	15	10	0.06	25	10
M271379		<0.01	0.25	0.64	92	<1	0.19	17	200	129	>10.0	14	19	0.07	32	10
M271380		<0.01	0.43	0.45	17	<1	0.13	15	260	96	>10.0	11	14	0.07	29	10

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Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M271341		9
M271342		37
M271343		331
M271344		10
M271345		6
M271346		8
M271347		4
M271348		5
M271349		31
M271350		51
M271351		50
M271352		37
M271353		68
M271354		44
M271355		25
M271356		35
M271357		63
M271358		37
M271359		13
M271360		31
M271361		16
M271362		10
M271363		11
M271364		13
M271365		11
M271366		8
M271367		2
M271368		15
M271369		10
M271370		9
M271371		7
M271372		7
M271373		8
M271374		17
M271375		67
M271376		146
M271377		14
M271378		22
M271379		17
M271380		7



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Project: 1744

CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M271381		1.24	0.730	0.761	1.7	2.28	>10000	20	0.6	19	0.07	<0.5	2	72	18	11.30
M271382		1.60	0.226		0.9	6.95	5120	200	1.8	9	0.10	<0.5	5	55	87	6.18
M271383		4.20	1.780		3.7	0.92	>10000	<10	<0.5	91	0.04	<0.5	5	63	34	23.1
M271384		3.94	0.807		2.5	1.58	>10000	20	<0.5	72	0.31	<0.5	5	26	32	16.20
M271385		4.56	0.279		0.9	1.48	2690	10	0.5	15	0.17	<0.5	2	86	10	8.48
M271386		4.04	0.574		0.8	1.36	5300	10	<0.5	27	1.18	<0.5	2	28	17	10.10
M271387		3.08	0.493		1.7	2.92	4290	60	0.9	62	0.57	<0.5	7	88	94	11.25
M271388		3.62	0.360		0.8	1.34	5280	20	<0.5	12	0.29	<0.5	5	32	26	8.80
M271389		4.04	0.295		0.9	1.40	7920	10	<0.5	24	0.38	<0.5	13	88	9	9.27
M271390		3.86	0.658		1.1	1.53	6290	10	<0.5	33	0.38	<0.5	5	29	10	13.80
M271391		4.42	0.445		0.9	1.61	4480	10	<0.5	24	0.28	<0.5	5	93	44	10.05
M271392		3.58	0.277		0.8	4.33	1840	30	1.1	11	0.15	<0.5	4	47	38	6.70
M271393		4.12	0.998		1.9	3.80	3620	20	0.7	38	0.37	<0.5	8	50	93	12.90
M271394		1.36	0.433		5.6	1.42	2100	60	0.7	80	6.66	13.2	6	8	1045	17.95
M271395		2.78	0.043		1.4	3.42	68	300	1.0	3	9.28	21.6	8	40	39	6.10
M271396		4.18	0.009		<0.5	5.83	63	650	1.6	<2	4.62	<0.5	10	52	36	2.46
M271397		1.66	0.007		0.5	6.65	44	750	1.7	<2	2.97	<0.5	12	72	63	2.66
M271398		2.54	0.007		<0.5	6.96	39	850	1.9	2	3.86	<0.5	12	53	40	2.92
M271399		3.04	0.010		<0.5	7.08	39	890	2.0	2	3.98	0.5	13	61	41	3.24
M271400		1.40	0.005		<0.5	7.09	40	890	2.0	<2	4.12	<0.5	14	54	48	3.34
M271401		3.84	<0.005	<0.005	<0.5	7.14	36	880	1.9	<2	3.97	<0.5	14	60	42	3.12
M271402		3.72	<0.005		<0.5	6.88	32	830	1.9	<2	4.61	<0.5	14	48	37	3.12
M271403		3.62	<0.005		<0.5	6.79	39	870	2.0	<2	4.37	<0.5	14	56	44	2.92
M271404		4.08	<0.005		<0.5	7.11	124	860	2.0	<2	4.83	<0.5	15	53	58	3.53
M271405		4.02	<0.005		<0.5	7.46	17	840	2.1	<2	3.61	<0.5	14	65	91	3.65
M271406		2.56	<0.005		<0.5	5.96	27	690	1.7	<2	5.77	<0.5	10	40	33	3.01
M271407		1.44	<0.005		<0.5	6.80	17	980	2.1	<2	5.29	<0.5	14	58	46	3.00
M271408		3.38	<0.005		<0.5	7.54	9	1070	2.3	<2	3.59	<0.5	15	60	31	3.64
M271409		3.56	<0.005		<0.5	6.77	15	940	2.1	<2	4.99	<0.5	13	52	36	3.31
M271410		3.94	0.006		<0.5	6.71	19	940	2.1	<2	5.41	<0.5	14	39	26	3.03
M271411		2.82	<0.005		<0.5	2.35	<5	330	0.8	<2	10.00	<0.5	6	20	57	1.56
M271412		3.32	<0.005		<0.5	4.86	<5	750	1.4	<2	7.70	0.5	13	34	132	2.41
M271413		3.20	<0.005		<0.5	6.70	<5	860	2.0	<2	5.79	<0.5	14	44	211	3.09
M271414		3.76	<0.005		<0.5	6.88	<5	920	2.0	<2	5.92	<0.5	15	40	45	3.59
M271415		3.94	<0.005		<0.5	6.72	<5	900	2.0	<2	5.59	<0.5	15	46	232	3.23



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Finalized Date: 16-AUG-2004

Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M271381		11
M271382		21
M271383		4
M271384		17
M271385		7
M271386		9
M271387		9
M271388		9
M271389		45
M271390		17
M271391		18
M271392		13
M271393		3
M271394		3450
M271395		5210
M271396		34
M271397		38
M271398		39
M271399		122
M271400		90
M271401		63
M271402		62
M271403		58
M271404		51
M271405		85
M271406		54
M271407		59
M271408		74
M271409		64
M271410		52
M271411		30
M271412		52
M271413		77
M271414		76
M271415		70



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Page: 1
Finalized Date: 16-AUG-2004
Account: STRGOL

QC CERTIFICATE VA04049714

Project: 1744

P.O. No.:

This report is for 75 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 31-JUL-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
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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: 



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Project: 1744

QC CERTIFICATE OF ANALYSIS VA04049714

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
Sample Description	STANDARDS															
G2000																0.78
G2000																0.81
G2000																0.74
G2000			3.7	5.00	473	2400	1.3	<2	0.57	7.0	24	102	303	3.77		
G2000			4.0	5.17	500	2440	1.4	<2	0.59	7.4	26	104	321	3.89		
Target Range - Lower Bound	2.7	4.52	431	2110	0.8	<2	0.51	6.3	22	90	272	3.41	0.68			
Upper Bound	4.4	5.54	537	2610	2.0	4	0.65	8.9	29	112	334	4.19	0.81			
GS01-2			23.7	7.38	349	910	1.3	35	5.20	25.5	93	90	6220	3.64		
GS01-2			23.5	7.75	411	980	1.3	34	5.62	27.0	95	90	6130	3.90		
GS01-2			21.6	7.36	407	920	1.3	36	5.42	25.9	99	90	6350	3.80		
Target Range - Lower Bound	20.3	6.63	333	810	0.7	28	4.75	22.0	85	73	5700	3.34				
Upper Bound	25.9	8.13	418	1010	1.9	38	5.83	28.0	107	91	6970	4.10				
JWB-JV-1																1.15
JWB-JV-1																1.09
JWB-JV-1																1.00
Target Range - Lower Bound																0.97
Upper Bound																1.13
MER-03	0.682															
MER-03	0.680	0.680														
MER-03	0.688															
Target Range - Lower Bound	0.605	0.605														
Upper Bound	0.751	0.751														
OXX18	3.27															
OXX18	3.40	3.40														
OXX18	3.65															
Target Range - Lower Bound	3.11	3.11														
Upper Bound	3.81	3.81														
BLANKS																
BLANK	<0.005															
BLANK	<0.005	<0.005														
BLANK																<0.01
BLANK																<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	0.01		<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	0.5	<1	<1	<1	<0.01		<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	1	1	<0.01		<0.01



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QC CERTIFICATE OF ANALYSIS VA04049714

Sample Description	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
STANDARDS																
G2000																
G2000																
G2000																
G2000		1.27	0.76	571	6	0.14	278	940	660	0.28	34	116	0.35	105	10	1260
G2000		1.34	0.78	578	6	0.15	288	980	697	0.28	35	122	0.36	108	10	1285
Target Range - Lower Bound		1.16	0.67	506	4	0.13	256	840	601	0.23	24	103	0.31	96	<10	1130
Upper Bound		1.44	0.85	630	8	0.18	316	1050	739	0.30	40	129	0.40	120	20	1385
GS01-2		1.82	1.81	2400	1255	2.76	4090	1360	249	1.26	763	747	0.31	220	20	3790
GS01-2		1.82	1.91	2580	1305	2.87	4200	1440	273	1.33	792	775	0.32	228	20	3950
GS01-2		1.85	1.78	2400	1270	2.75	4360	1360	259	1.25	736	741	0.33	231	20	3960
Target Range - Lower Bound		1.65	1.56	2160	1140	2.48	3770	1210	231	1.12	656	668	0.28	197	20	3470
Upper Bound		2.03	1.92	2650	1395	3.06	4610	1510	287	1.39	812	818	0.37	243	50	4240
JWB-JV-1																
JWB-JV-1																
JWB-JV-1																
Target Range - Lower Bound																
Upper Bound																
MER-03																
MER-03																
MER-03																
Target Range - Lower Bound																
Upper Bound																
OXK18																
OXK18																
OXK18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK		<0.01	<0.01	<5	<1	<0.01	<1	<10	3	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK		<0.01	<0.01	<5	1	<0.01	<1	<10	<2	<0.01	<5	1	<0.01	1	<10	<2
BLANK		<0.01	<0.01	<5	1	<0.01	<1	<10	<2	<0.01	<5	1	<0.01	<1	<10	<2



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QC CERTIFICATE OF ANALYSIS VA04049714

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
M271368 DUP	DUPLICATES														0.01
Target Range															0.01
Lower Bound															<0.01
Upper Bound															0.02
M271369 DUP	0.934														
Target Range	0.919														
Lower Bound	0.847														
Upper Bound	1.005														
M271375 DUP			1.9	3.67	5520	90	0.9	26	0.31	<0.5	7	83	489	11.60	
Target Range			1.6	3.44	5150	110	0.9	26	0.30	<0.5	7	83	466	11.10	
Lower Bound			0.7	3.36	5060	80	<0.5	21	0.27	<0.5	5	77	452	10.75	
Upper Bound			2.8	3.75	5610	130	1.0	31	0.34	1.0	9	89	503	11.95	
M271404 DUP															<0.01
Target Range															<0.01
Lower Bound															<0.01
Upper Bound															0.02
M271407 DUP	<0.005														
Target Range	<0.005	<0.005													
Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
M271411 DUP			<0.5	2.35	<5	330	0.8	<2	10.00	<0.5	6	20	57	1.56	
Target Range			<0.5	2.29	8	310	0.8	<2	9.59	0.7	6	20	57	1.49	
Lower Bound			<0.5	2.18	<5	280	<0.5	<2	9.29	<0.5	4	17	52	1.43	
Upper Bound			1.0	2.46	10	360	1.0	4	10.30	1.0	8	23	62	1.62	



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CERTIFICATE VA04051513

Project: 1744 Hyland

P.O. No.:

This report is for 153 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

14a

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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Signature:



ALS Chemex

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Account: STRGOL

Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
271416		3.92	<0.005		<0.5	0.96	<5	60	<0.5	<2	35.9	<0.5	1	12	6	0.44
271417		4.00	0.006		<0.5	0.58	<5	30	<0.5	<2	36.3	<0.5	1	11	4	0.29
271418		0.68	0.006		<0.5	0.59	14	30	<0.5	<2	35.7	<0.5	2	10	4	0.37
271419		4.34	0.006		<0.5	1.54	49	80	<0.5	2	31.6	<0.5	2	29	11	0.80
271420		1.94	0.006		<0.5	7.15	291	430	1.8	3	1.56	<0.5	8	85	54	3.22
271421		0.96	<0.005	0.006	<0.5	7.16	297	420	1.9	<2	1.33	<0.5	10	98	47	3.28
271422		2.16	0.019		<0.5	4.32	362	260	1.1	<2	0.07	<0.5	9	140	47	2.50
271423		0.74	0.011		<0.5	3.84	475	240	1.1	<2	0.08	2.0	11	185	68	2.70
271424		0.72	0.019		<0.5	2.66	481	170	0.8	<2	0.06	<0.5	10	223	58	2.82
271425		0.66	0.020		<0.5	0.92	324	20	<0.5	<2	10.95	<0.5	2	206	11	0.90
271426		0.70	0.037		<0.5	0.97	114	20	<0.5	<2	0.05	<0.5	<1	241	8	0.47
271427		1.94	0.044		<0.5	1.03	286	20	<0.5	<2	0.05	<0.5	1	304	6	0.55
271428		1.32	0.041		5.4	3.45	164	120	1.0	21	4.68	<0.5	1	240	6	0.66
271429		2.48	0.021		<0.5	3.48	379	150	0.9	6	0.04	<0.5	1	229	5	1.10
271430		2.38	0.061		<0.5	1.94	548	60	<0.5	<2	0.02	<0.5	1	199	10	0.68
271431		0.60	0.014		<0.5	2.22	142	40	0.7	3	0.90	<0.5	2	212	82	1.23
271432		0.76	0.530		0.9	1.34	1995	<10	<0.5	41	0.03	<0.5	3	217	23	10.40
271433		2.18	0.095		<0.5	6.20	619	90	1.5	39	0.08	<0.5	6	220	36	3.31
271434		2.96	0.408		0.8	3.06	2040	30	0.8	39	0.09	<0.5	4	187	132	6.78
271435		2.54	0.114		1.0	6.87	320	280	2.2	20	0.04	<0.5	6	178	536	2.10
271436		1.70	0.168		<0.5	7.05	1935	260	2.0	14	0.10	<0.5	12	150	436	3.98
271437		5.36	0.027		<0.5	9.60	895	430	2.5	5	0.16	<0.5	18	105	127	4.20
271438		5.48	0.126		<0.5	1.33	767	20	<0.5	5	0.04	<0.5	6	207	25	4.46
271439		3.40	0.021		<0.5	8.26	363	320	2.2	<2	0.14	<0.5	19	123	43	5.01
271440		1.72	0.024		0.6	8.76	116	560	2.4	5	0.63	<0.5	16	134	71	3.83
271441		0.90	0.039	0.037	<0.5	8.69	129	570	2.4	7	0.53	<0.5	21	120	56	4.25
271442		1.42	0.081		<0.5	3.10	3200	50	0.8	6	0.16	<0.5	16	236	54	3.40
271443		2.60	0.102		1.0	2.85	4820	60	0.6	7	0.08	<0.5	17	256	82	2.93
271444		1.86	0.204		<0.5	2.11	8500	20	0.5	16	0.06	<0.5	40	222	31	5.99
271445		2.34	0.055		<0.5	5.99	574	280	1.6	13	1.31	<0.5	11	141	65	2.80
271446		1.82	0.268		2.2	3.38	2050	40	0.8	67	0.10	1.1	13	219	359	7.30
271447		2.64	0.240		<0.5	6.89	3510	80	1.6	51	0.13	<0.5	15	192	148	5.28
271448		1.86	0.620		<0.5	4.77	>10000	10	1.2	92	0.11	0.6	31	174	213	8.89
271449		1.96	0.460		<0.5	5.50	1845	20	1.5	64	0.13	0.5	18	147	342	10.00
271450		1.76	0.289		<0.5	5.32	1145	90	1.5	90	0.09	<0.5	13	140	104	7.55
271451		2.82	0.265		<0.5	4.04	1275	110	0.9	42	0.05	0.5	8	165	50	7.72
271452		3.56	0.457		<0.5	4.26	3190	50	1.2	104	0.08	0.6	16	154	120	7.64
271453		2.60	0.355		<0.5	4.02	3500	40	1.1	97	0.08	0.5	15	180	176	5.49
271454		2.18	0.462		<0.5	5.06	2230	130	1.3	50	0.09	0.6	11	134	138	9.07
271455		2.50	0.454		<0.5	5.99	1610	100	1.4	82	0.07	0.7	14	159	51	13.05



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CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
271416		<0.01	0.33	0.29	164	<1	0.02	3	150	9	<0.01	6	2400	0.03	9	<10
271417		<0.01	0.18	0.31	123	<1	0.01	3	290	3	<0.01	<5	2150	0.02	5	<10
271418		<0.01	0.20	0.29	194	<1	0.01	4	190	8	<0.01	<5	1930	0.02	5	<10
271419		<0.01	0.60	0.36	280	<1	0.02	11	230	8	<0.01	5	1785	0.06	12	<10
271420		<0.01	3.36	0.59	751	<1	0.05	17	380	7	0.01	12	41	0.28	64	10
271421		<0.01	3.41	0.62	761	<1	0.05	18	380	2	0.02	10	37	0.29	64	<10
271422		<0.01	1.96	0.35	208	1	0.03	24	330	4	0.02	16	31	0.23	50	<10
271423		0.01	1.76	0.30	348	<1	0.03	28	420	6	0.05	16	35	0.12	44	<10
271424		<0.01	1.20	0.27	162	<1	0.03	24	310	5	0.02	16	28	0.10	30	<10
271425		0.01	0.11	0.29	409	1	0.06	8	80	27	0.03	6	622	0.04	11	<10
271426		<0.01	0.10	0.25	18	<1	0.07	5	20	49	0.04	5	20	0.06	13	<10
271427		0.01	0.09	0.27	18	1	0.08	7	40	11	0.08	<5	19	0.07	15	<10
271428		0.03	1.42	0.41	42	<1	0.07	7	60	14	0.06	54	297	0.18	40	<10
271429		<0.01	1.71	0.23	15	1	0.02	3	80	17	0.25	12	55	0.20	47	<10
271430		<0.01	0.89	0.10	14	1	0.01	6	80	7	0.29	5	15	0.09	28	<10
271431		0.02	0.45	0.43	160	1	0.11	9	60	8	0.44	7	36	0.11	26	<10
271432		<0.01	0.01	0.39	18	<1	0.12	10	50	52	>10.0	5	10	0.04	17	<10
271433		0.01	1.12	1.20	16	<1	0.31	11	310	46	2.94	22	116	0.29	74	10
271434		<0.01	0.37	0.57	17	<1	0.15	16	760	48	7.12	40	76	0.07	34	<10
271435		<0.01	3.16	0.57	13	1	0.08	18	130	3	1.91	39	45	0.39	86	10
271436		0.01	2.60	0.52	37	<1	0.10	32	620	22	3.31	22	146	0.31	83	10
271437		<0.01	4.52	0.88	439	<1	0.08	46	780	16	0.77	21	57	0.33	103	10
271438		<0.01	0.12	0.31	99	<1	0.09	21	170	17	4.49	7	18	0.05	14	<10
271439		<0.01	3.79	1.04	385	1	0.11	45	490	5	1.77	6	46	0.35	90	<10
271440		<0.01	4.15	1.19	466	<1	0.10	50	620	6	1.07	13	163	0.43	105	10
271441		<0.01	4.22	1.18	428	2	0.11	53	660	7	1.56	17	172	0.44	107	20
271442		<0.01	0.48	0.70	480	1	0.17	30	330	120	2.57	17	33	0.14	37	<10
271443		<0.01	0.51	0.60	73	<1	0.14	22	250	28	2.39	34	21	0.13	37	<10
271444		<0.01	0.20	0.55	22	1	0.14	26	180	33	5.84	13	18	0.09	29	<10
271445		<0.01	2.62	1.16	378	<1	0.08	19	350	9	2.28	23	37	0.28	70	10
271446		0.01	0.39	0.73	24	<1	0.19	26	450	180	7.58	166	29	0.14	42	<10
271447		0.01	1.02	1.15	23	<1	0.31	34	530	45	4.56	33	35	0.27	74	10
271448		0.01	0.07	1.04	25	<1	0.28	33	430	54	8.27	28	20	0.17	50	10
271449		0.01	0.27	1.02	130	<1	0.28	34	430	41	9.76	22	35	0.19	61	20
271450		<0.01	1.04	0.75	112	<1	0.19	29	300	4	7.41	15	19	0.25	59	20
271451		<0.01	1.13	0.39	53	<1	0.10	18	170	2	7.76	8	8	0.08	36	<10
271452		<0.01	0.55	0.74	128	<1	0.18	20	190	11	5.08	13	12	0.17	41	20
271453		<0.01	0.50	0.70	278	<1	0.17	20	180	13	3.55	13	13	0.17	39	10
271454		<0.01	1.40	0.60	365	<1	0.12	28	220	8	6.98	18	16	0.20	52	10
271455		<0.01	2.00	0.56	194	<1	0.13	29	240	10	>10.0	12	14	0.18	59	10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
271416		15
271417		16
271418		14
271419		23
271420		46
271421		51
271422		43
271423		54
271424		31
271425		8
271426		2
271427		4
271428		6
271429		3
271430		2
271431		12
271432		2
271433		5
271434		6
271435		7
271436		13
271437		35
271438		4
271439		32
271440		12
271441		15
271442		46
271443		22
271444		8
271445		22
271446		86
271447		17
271448		8
271449		22
271450		13
271451		7
271452		9
271453		10
271454		12
271455		7



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CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
271456		2.26	0.397		<0.5	5.55	3710	140	1.2	69	0.08	<0.5	23	148	87	9.42
271457		1.76	0.459		<0.5	5.47	3970	110	1.4	54	0.10	0.5	15	140	63	5.41
271458		1.96	1.725		<0.5	5.88	2580	70	1.9	93	0.10	1.0	26	129	110	14.10
271459		2.46	1.380		<0.5	4.23	5220	20	1.1	33	0.11	0.8	19	148	59	13.25
271460		2.10	0.311		<0.5	4.97	3590	130	1.1	22	0.07	<0.5	16	156	68	4.88
271461		1.44	0.366	0.354	<0.5	4.61	4510	130	1.1	24	0.05	0.5	19	176	81	5.06
271462		1.58	1.210		<0.5	4.39	7450	160	1.1	13	0.05	0.7	9	261	42	7.73
271463		3.44	0.275		<0.5	6.11	2100	270	1.6	6	0.08	<0.5	6	175	19	3.91
271464		1.74	0.415		<0.5	4.93	5390	160	1.3	20	0.08	<0.5	5	194	64	8.19
271465		3.18	0.065		<0.5	3.76	1395	170	0.9	13	0.05	<0.5	4	188	130	3.07
271466		3.78	0.186		<0.5	4.62	1165	220	1.2	12	0.05	<0.5	13	202	96	3.54
271467		3.60	0.094		<0.5	4.84	3210	260	1.2	13	0.08	<0.5	14	157	101	3.00
271468		3.86	0.094		<0.5	3.54	3560	160	0.8	17	0.04	<0.5	16	164	36	3.09
271469		2.02	0.501		<0.5	2.68	>10000	130	0.5	36	0.03	<0.5	53	151	103	6.42
271470		2.40	0.659		<0.5	1.72	>10000	80	<0.5	34	0.02	<0.5	75	194	57	7.62
271471		3.48	1.070		0.5	3.34	>10000	90	0.9	60	0.05	<0.5	56	162	86	13.15
271472		1.44	0.409		<0.5	7.06	9680	150	1.8	37	0.09	<0.5	5	156	24	8.74
271473		3.82	0.194		<0.5	4.78	3810	180	1.2	26	0.07	<0.5	4	194	19	4.24
271474		3.48	0.124		<0.5	3.07	5350	110	0.7	7	0.05	<0.5	9	238	19	2.82
271475		3.40	0.265		<0.5	2.75	7400	80	0.7	12	0.04	<0.5	16	161	34	4.38
271476		3.40	0.376		<0.5	4.17	>10000	150	1.0	13	0.06	<0.5	12	218	34	4.24
271477		3.64	0.135		<0.5	4.46	4350	220	1.1	10	0.12	<0.5	8	157	37	3.33
271478		3.96	0.174		<0.5	4.50	3520	240	1.1	31	0.72	<0.5	13	184	96	4.79
271479		3.34	0.178		<0.5	4.72	2090	150	1.4	134	0.67	<0.5	11	137	317	4.84
271480		3.54	0.128		<0.5	5.22	814	290	1.3	34	0.40	<0.5	8	199	266	4.15
271481		1.52	0.135	0.130	<0.5	5.96	1010	320	1.5	40	0.51	<0.5	11	117	212	4.55
271482		3.78	0.159		<0.5	5.79	857	320	1.3	24	2.27	<0.5	8	115	289	6.31
271483		3.36	0.103		<0.5	3.70	2590	200	0.9	39	1.86	<0.5	16	139	128	4.70
271484		3.72	0.162		<0.5	4.26	4550	290	1.1	75	1.15	<0.5	28	143	123	4.27
271485		3.92	0.029		<0.5	3.67	581	240	0.8	15	1.04	<0.5	8	140	81	2.80
271486		3.48	0.195		<0.5	5.27	3660	390	1.2	17	1.60	<0.5	12	134	132	4.48
271487		2.16	0.053		<0.5	4.99	3720	440	1.2	14	1.62	<0.5	19	161	89	3.81
271488		1.74	0.022		<0.5	4.71	875	370	1.2	25	1.57	<0.5	12	161	130	3.46
271489		3.62	0.008		<0.5	7.57	54	530	2.3	4	0.91	<0.5	14	116	67	4.04
271490		3.88	0.008		<0.5	8.12	41	580	2.4	<2	0.98	<0.5	15	138	36	3.87
271491		3.72	0.026		<0.5	4.00	51	260	1.0	<2	0.78	<0.5	4	143	85	2.21
271492		3.86	0.113		<0.5	2.18	2320	130	0.5	16	0.42	<0.5	6	232	78	2.20
271493		3.44	0.088		<0.5	2.88	3710	190	0.8	9	0.68	<0.5	14	163	95	2.45
271494		2.36	0.061		<0.5	3.86	81	280	1.0	<2	0.96	<0.5	3	245	230	3.85
271495		3.54	0.026		<0.5	7.47	43	590	1.8	<2	5.10	<0.5	14	102	102	4.06



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Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		ppm 0.01	% 0.01	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10
271456		<0.01	1.83	0.45	281	<1	0.10	32	280	14	8.47	20	13	0.16	55	10
271457		<0.01	1.26	0.60	136	<1	0.15	24	370	17	4.39	20	20	0.22	57	20
271458		0.03	0.68	0.96	45	<1	0.25	47	350	154	>10.0	54	42	0.21	75	40
271459		0.01	0.21	0.88	24	1	0.24	33	470	83	>10.0	44	33	0.14	56	10
271460		<0.01	1.50	0.44	14	1	0.11	21	250	22	4.89	29	21	0.20	54	10
271461		0.01	1.46	0.40	14	1	0.09	24	190	27	5.00	34	17	0.19	49	10
271462		<0.01	1.65	0.34	22	<1	0.07	20	180	17	7.87	19	11	0.11	51	10
271463		<0.01	2.63	0.40	27	<1	0.07	16	320	9	3.90	8	14	0.26	78	10
271464		0.01	1.92	0.36	21	1	0.08	18	300	28	8.85	18	13	0.20	55	10
271465		<0.01	1.53	0.29	18	1	0.06	16	210	11	3.16	22	7	0.14	39	10
271466		<0.01	1.92	0.38	12	1	0.08	23	210	11	3.73	12	8	0.23	60	10
271467		<0.01	2.22	0.30	64	1	0.05	17	200	8	2.88	12	7	0.19	54	10
271468		<0.01	1.46	0.23	12	1	0.05	13	170	8	3.09	8	6	0.15	31	10
271469		<0.01	1.16	0.14	14	<1	0.03	19	110	12	6.04	15	4	0.09	23	10
271470		<0.01	0.77	0.09	18	1	0.02	20	80	6	6.89	14	2	0.05	14	10
271471		<0.01	0.91	0.45	13	<1	0.12	32	140	7	>10.0	18	8	0.11	33	10
271472		<0.01	2.58	0.74	25	1	0.16	15	330	5	9.07	13	16	0.29	82	10
271473		<0.01	1.68	0.51	27	1	0.12	19	230	4	4.23	8	10	0.19	52	10
271474		<0.01	1.10	0.30	23	3	0.07	19	190	5	2.63	9	7	0.10	29	10
271475		<0.01	0.85	0.33	21	1	0.09	25	130	6	4.31	9	8	0.08	25	<10
271476		<0.01	1.45	0.43	27	1	0.10	26	210	5	3.83	12	9	0.14	41	10
271477		<0.01	1.96	0.35	56	1	0.06	21	220	3	3.14	8	8	0.17	47	10
271478		<0.01	1.96	0.63	216	1	0.06	27	300	7	4.57	9	13	0.12	47	10
271479		0.01	1.34	0.90	208	<1	0.15	29	350	11	4.70	15	16	0.17	53	<10
271480		0.02	2.32	0.53	235	1	0.07	16	220	4	3.24	13	9	0.22	58	10
271481		0.03	2.61	0.62	257	<1	0.07	21	240	5	3.67	12	10	0.22	64	10
271482		<0.01	2.66	1.13	496	1	0.05	22	570	3	4.74	9	26	0.24	69	10
271483		0.01	1.50	0.96	543	1	0.05	26	520	5	2.90	9	26	0.14	42	<10
271484		0.01	1.92	0.75	291	1	0.05	25	210	<2	2.89	8	23	0.09	46	10
271485		<0.01	1.67	0.60	257	1	0.04	19	170	2	1.75	6	15	0.14	37	10
271486		<0.01	2.47	0.95	314	1	0.04	28	210	4	2.90	8	30	0.20	60	10
271487		<0.01	2.33	0.83	563	<1	0.05	26	210	3	1.18	6	43	0.18	56	<10
271488		0.01	2.16	0.79	492	1	0.04	23	230	3	1.12	6	36	0.20	51	10
271489		<0.01	3.88	1.21	541	<1	0.06	33	430	2	0.77	13	33	0.31	87	<10
271490		<0.01	4.12	1.28	608	1	0.06	30	400	3	0.34	12	40	0.36	92	<10
271491		<0.01	1.87	0.52	242	<1	0.03	14	190	3	0.85	<5	24	0.15	37	10
271492		<0.01	0.97	0.26	176	1	0.02	10	160	3	0.83	5	10	0.07	23	10
271493		<0.01	1.28	0.42	208	1	0.03	14	330	5	1.31	8	20	0.11	27	10
271494		0.01	1.88	0.68	172	1	0.03	21	170	4	2.67	8	17	0.16	41	10
271495		<0.01	3.71	1.70	646	<1	0.06	34	320	4	1.85	8	136	0.38	93	10

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CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
271456		11
271457		16
271458		35
271459		40
271460		10
271461		10
271462		7
271463		12
271464		77
271465		13
271466		7
271467		16
271468		4
271469		6
271470		4
271471		5
271472		8
271473		8
271474		7
271475		8
271476		8
271477		12
271478		20
271479		33
271480		37
271481		38
271482		39
271483		31
271484		11
271485		12
271486		12
271487		23
271488		25
271489		22
271490		18
271491		15
271492		14
271493		13
271494		5
271495		11



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CERTIFICATE OF ANALYSIS VA04051513

Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
Sample Description															
271496	1.58	0.027		<0.5	3.85	46	270	1.1	11	1.07	<0.5	5	162	155	3.23
271497	3.64	0.007		<0.5	4.37	21	370	1.2	3	1.90	<0.5	7	186	33	2.21
271498	3.44	<0.005		<0.5	2.44	8	190	0.6	<2	0.56	<0.5	<1	156	35	1.00
271499	3.92	0.006		<0.5	2.20	21	170	0.6	<2	0.86	<0.5	3	197	9	1.06
271500	3.52	0.014		<0.5	2.60	42	200	0.7	3	0.59	<0.5	2	175	77	1.66
273251	1.64	0.011	0.011	<0.5	2.76	36	210	0.7	20	0.52	<0.5	1	176	94	1.69
273252	3.50	0.012		<0.5	2.19	106	150	0.5	4	0.54	<0.5	2	203	82	1.70
273253	3.52	0.057		<0.5	3.77	72	260	0.9	16	1.36	<0.5	3	194	127	2.80
273254	2.96	0.038		<0.5	6.71	72	460	1.7	10	3.04	<0.5	15	166	135	4.92
273255	1.86	0.010		<0.5	7.58	43	590	1.9	<2	3.59	<0.5	21	91	47	3.42
273256	2.86	0.011		<0.5	3.15	129	220	0.8	<2	1.22	<0.5	6	221	28	2.14
273257	2.02	0.036		<0.5	3.70	136	270	1.1	16	1.82	<0.5	16	145	93	5.04
273258	1.16	0.061		<0.5	6.26	81	450	1.6	<2	3.25	<0.5	16	130	34	3.00
273259	2.26	0.087		0.5	6.13	277	370	1.6	57	2.53	<0.5	19	124	177	4.89
273260	3.32	0.032		<0.5	3.89	73	240	1.0	10	1.71	<0.5	7	179	134	2.68
273261	1.58	0.030	0.030	<0.5	4.05	86	240	1.0	24	1.72	<0.5	5	159	100	2.59
273262	2.92	0.025		<0.5	6.35	142	470	1.5	26	1.44	<0.5	7	143	130	3.29
273263	4.32	0.060		<0.5	4.06	190	280	1.1	6	1.22	<0.5	5	123	32	2.01
273264	0.82	0.032		<0.5	4.60	170	320	1.2	<2	1.60	<0.5	5	162	48	2.51
273265	4.16	0.115		<0.5	2.57	266	140	0.6	23	0.47	<0.5	1	224	60	3.07
273266	2.26	0.199		<0.5	3.14	2240	150	0.7	45	2.85	<0.5	25	156	255	8.74
273267	1.96	0.118		<0.5	4.77	379	210	1.1	35	3.40	<0.5	19	140	80	6.73
273268	0.90	0.138		<0.5	4.19	160	360	1.1	16	6.33	<0.5	5	111	87	4.76
273269	3.26	0.197		<0.5	1.90	802	90	0.5	56	0.41	<0.5	19	152	131	9.47
273270	3.68	0.125		<0.5	2.46	557	220	0.6	26	4.99	<0.5	17	168	159	5.58
273271	2.80	0.048		<0.5	1.23	84	80	<0.5	20	0.91	<0.5	13	198	161	4.96
273272	4.26	0.044		<0.5	6.84	316	640	1.7	50	3.59	<0.5	12	132	138	3.55
273273	3.52	0.169		<0.5	4.49	2060	150	1.2	47	0.93	<0.5	38	140	120	6.94
273274	3.30	0.114		<0.5	7.86	1465	370	2.1	32	1.55	<0.5	16	92	114	4.41
273275	2.98	0.076		<0.5	4.84	221	360	1.3	18	2.29	<0.5	16	83	120	4.46
273276	4.02	0.072		<0.5	7.69	132	540	2.0	22	2.75	<0.5	14	112	91	4.40
273277	3.84	0.044		<0.5	7.45	75	690	2.2	9	2.35	<0.5	21	88	84	4.08
273278	1.22	0.005		<0.5	7.73	33	810	2.2	<2	2.95	<0.5	11	84	46	2.38
273279	3.88	0.018		<0.5	7.64	55	740	2.1	4	5.34	<0.5	20	79	53	3.65
273280	1.32	0.009		<0.5	7.29	52	700	2.0	4	4.90	<0.5	11	62	45	2.87
273281	2.92	0.019	0.015	<0.5	7.37	49	690	1.6	4	5.15	<0.5	7	72	43	3.02
273282	4.24	0.025		<0.5	7.85	63	750	2.1	4	3.12	<0.5	7	75	49	2.52
273283	3.32	0.136		0.5	6.86	583	270	1.7	63	2.92	<0.5	31	92	132	7.36
273284	1.88	1.175		4.0	5.78	2120	100	1.9	95	0.64	1.5	25	129	331	13.75
273285	1.92	0.653		2.4	3.93	7240	10	1.2	24	0.13	3.6	19	156	176	8.70



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CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
271496		0.04	1.76	0.62	279	1	0.04	22	160	3	1.95	8	32	0.15	42	10
271497		<0.01	2.12	0.83	552	1	0.04	21	240	5	0.58	7	35	0.18	46	<10
271498		<0.01	1.14	0.24	144	1	0.03	9	140	3	0.38	<5	9	0.10	19	<10
271499		<0.01	0.92	0.28	307	1	0.02	8	80	4	0.08	<5	17	0.07	15	<10
271500		0.02	1.24	0.35	148	1	0.03	13	70	5	1.02	6	10	0.07	20	<10
273251		0.02	1.31	0.34	136	1	0.03	11	80	2	1.03	7	9	0.10	21	<10
273252		0.01	1.01	0.32	142	1	0.03	8	50	3	1.02	<5	8	0.06	15	10
273253		0.05	1.76	0.77	290	1	0.05	17	190	4	1.89	7	20	0.09	37	<10
273254		0.05	2.72	1.39	821	1	0.07	37	430	5	2.07	9	96	0.28	75	10
273255		0.02	3.01	1.58	671	<1	0.07	32	390	<2	0.59	8	133	0.33	92	<10
273256		<0.01	1.44	0.56	467	1	0.03	11	160	4	0.84	<5	25	0.12	29	<10
273257		0.02	1.78	0.82	884	<1	0.03	22	200	6	1.88	10	43	0.14	42	<10
273258		0.02	2.95	1.43	900	1	0.05	28	810	2	0.83	8	90	0.32	82	10
273259		<0.01	2.75	1.23	956	1	0.04	29	430	58	3.64	18	58	0.26	74	10
273260		<0.01	1.78	0.84	486	<1	0.03	25	160	5	1.44	<5	21	0.15	41	<10
273261		<0.01	1.89	0.80	501	<1	0.02	19	230	4	1.35	5	25	0.16	42	10
273262		<0.01	2.86	0.98	389	1	0.04	38	180	5	2.05	6	20	0.31	88	10
273263		<0.01	1.97	0.67	441	1	0.03	18	190	3	1.24	<5	23	0.16	42	10
273264		<0.01	2.20	0.85	542	1	0.03	17	200	<2	1.28	<5	27	0.18	47	<10
273265		<0.01	1.14	0.31	144	5	0.03	18	100	9	3.03	9	11	0.08	19	<10
273266		<0.01	1.28	1.26	731	1	0.05	35	520	20	8.44	48	46	0.19	59	10
273267		<0.01	2.19	1.56	659	1	0.03	30	370	23	6.14	12	63	0.25	73	10
273268		0.02	1.88	3.22	1125	3	0.04	21	510	2	2.98	9	108	0.23	71	10
273269		0.06	0.78	0.29	164	1	0.03	17	140	2	9.28	9	6	0.07	32	<10
273270		0.01	1.16	2.40	925	1	0.02	47	690	10	4.48	24	72	0.16	52	10
273271		0.06	0.47	0.49	248	1	0.03	25	160	6	3.44	9	9	0.06	20	<10
273272		<0.01	2.80	2.02	746	2	0.07	40	560	3	2.07	14	51	0.35	96	10
273273		<0.01	1.60	0.88	289	2	0.12	58	340	7	6.31	7	21	0.17	67	10
273274		0.01	3.81	1.19	331	4	0.07	27	460	13	3.56	7	26	0.17	125	10
273275		<0.01	2.05	1.36	508	2	0.08	34	400	15	3.43	<5	41	0.21	80	10
273276		<0.01	3.31	1.78	558	4	0.08	50	450	6	3.16	7	52	0.31	137	10
273277		0.01	3.76	1.56	463	5	0.07	55	440	7	3.01	6	53	0.31	144	10
273278		<0.01	3.16	1.80	554	1	0.07	43	490	3	0.78	6	57	0.32	100	10
273279		<0.01	3.47	3.06	1330	8	0.07	87	600	6	1.85	10	136	0.34	110	10
273280		<0.01	3.37	2.86	1125	3	0.06	59	530	8	1.16	10	95	0.33	87	10
273281		<0.01	2.65	2.97	1220	3	0.06	51	550	10	1.18	12	106	0.27	74	10
273282		<0.01	3.20	1.80	763	<1	0.08	46	520	4	1.01	16	95	0.34	92	10
273283		0.02	2.62	1.64	1145	3	0.12	36	430	66	5.38	31	100	0.19	101	20
273284		<0.01	1.28	0.84	1220	1	0.20	34	280	804	>10.0	59	72	0.23	69	40
273285		0.01	0.09	0.91	108	<1	0.25	27	190	266	8.54	56	44	0.13	42	10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
271496		19
271497		11
271498		6
271499		7
271500		9
273251		9
273252		7
273253		12
273254		27
273255		31
273256		17
273257		75
273258		23
273259		57
273260		17
273261		20
273262		14
273263		9
273264		16
273265		9
273266		23
273267		14
273268		29
273269		8
273270		18
273271		7
273272		13
273273		14
273274		12
273275		12
273276		8
273277		9
273278		10
273279		15
273280		13
273281		12
273282		14
273283		41
273284		421
273285		770



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CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273286		2.78	0.284		5.4	4.31	3720	10	1.3	25	0.09	1.0	13	176	526	11.45
273287		1.92	0.287		4.1	1.17	5070	10	<0.5	61	0.10	0.8	12	134	553	33.3
273288		1.16	0.149		2.2	0.64	3510	10	<0.5	26	0.40	<0.5	16	116	306	36.4
273289		3.52	0.298		6.4	2.11	5400	40	0.7	41	0.80	1.1	12	102	709	27.6
273290		2.64	0.073		1.6	4.81	1670	210	1.2	32	5.09	4.5	18	74	382	7.42
273291		1.06	0.250		2.6	5.69	2200	100	1.5	26	2.43	1.7	10	100	696	11.05
273292		3.34	0.050		<0.5	6.23	665	260	1.6	7	2.36	<0.5	10	80	231	6.88
273293		2.66	0.013		<0.5	6.47	627	480	1.6	<2	3.91	<0.5	8	84	57	4.13
273294		2.64	0.011		<0.5	6.46	578	630	1.7	<2	3.65	0.8	7	65	134	4.12
273295		2.28	<0.005		<0.5	5.95	406	640	1.8	<2	4.42	0.5	10	100	36	3.99
273296		1.72	<0.005		<0.5	8.14	234	960	2.5	<2	2.95	<0.5	15	79	21	3.77
273297		2.62	0.008		1.6	4.31	160	390	1.2	4	3.81	<0.5	9	71	172	5.04
273298		4.02	<0.005		<0.5	5.43	134	570	1.5	<2	3.99	<0.5	10	57	45	3.28
273299		3.94	0.005		<0.5	5.15	192	410	1.3	<2	4.28	<0.5	10	51	48	3.41
273300		2.46	0.005		0.5	7.09	103	400	2.2	<2	2.12	<0.5	18	70	43	8.59
273301		1.64	<0.005	0.005	0.6	7.46	94	380	2.5	<2	2.28	1.1	22	72	55	8.97
273302		3.90	0.209		12.7	4.82	6440	40	1.3	52	0.15	0.7	17	175	693	6.83
273303		2.56	0.221		1.2	5.23	5280	90	1.4	58	0.16	<0.5	15	218	60	5.83
273304		2.86	0.013		<0.5	7.31	204	590	2.1	<2	0.22	<0.5	15	88	50	3.87
273305		2.40	0.527		0.9	2.48	>10000	30	0.7	64	0.08	<0.5	15	160	25	10.55
273306		2.36	0.135		1.1	5.11	5340	50	1.2	23	0.14	<0.5	8	110	54	4.08
273307		3.86	0.017		1.0	5.17	249	350	1.4	2	0.21	<0.5	17	84	102	4.33
273308		1.60	<0.005		<0.5	7.65	77	600	2.4	<2	0.29	<0.5	11	71	38	3.56
273309		3.38	0.007		<0.5	7.63	244	590	2.1	<2	0.46	<0.5	16	77	36	4.06
273310		3.96	0.016		<0.5	7.33	1510	570	1.9	<2	0.48	<0.5	29	66	62	3.79
273311		4.10	<0.005		<0.5	6.01	30	470	1.6	<2	0.61	<0.5	12	86	34	3.06
273312		1.60	0.021		<0.5	4.83	78	290	1.3	18	0.42	<0.5	32	112	122	3.51
273313		2.76	0.013		1.3	5.85	159	470	1.6	<2	0.46	<0.5	7	76	106	3.57
273314		1.44	0.012		<0.5	4.26	502	360	1.2	<2	0.40	<0.5	16	72	35	2.50
273315		2.18	0.005		<0.5	5.65	32	490	1.6	<2	0.46	<0.5	6	78	54	2.87
273316		3.82	<0.005		<0.5	6.02	30	490	1.6	<2	2.27	<0.5	10	64	65	3.46
273317		3.80	<0.005		<0.5	4.45	45	390	1.2	<2	5.24	<0.5	7	44	44	2.41
273318		4.10	0.007		<0.5	5.86	600	470	1.6	<2	1.56	0.8	16	71	37	2.92



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VANCOUVER BC V6C 2B3

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Total # Pages: 5 (A - C)
Finalized Date: 24-AUG-2004
Account: STRGOL

Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273286		0.01	0.08	1.07	324	1	0.31	27	200	384	>10.0	144	31	0.13	49	10
273287		0.01	0.12	0.26	662	<1	0.07	16	390	433	>10.0	160	11	0.03	15	<10
273288		<0.01	0.13	1.88	>10000	<1	0.03	26	340	218	>10.0	29	10	0.01	10	<10
273289		0.01	0.38	0.76	1965	<1	0.09	26	320	370	>10.0	145	21	0.07	29	10
273290		0.03	1.80	3.12	4400	3	0.11	25	380	411	6.39	46	92	0.19	70	<10
273291		0.01	2.14	1.54	2000	10	0.06	38	340	407	>10.0	23	57	0.20	97	<10
273292		<0.01	2.86	1.96	3620	3	0.07	29	400	45	4.64	12	48	0.24	138	10
273293		<0.01	2.80	2.42	1465	1	0.04	23	410	43	3.38	9	72	0.26	186	10
273294		<0.01	3.11	2.41	1795	<1	0.05	28	430	52	2.70	13	78	0.27	168	<10
273295		0.02	2.67	2.83	2770	1	0.04	29	430	25	1.11	9	142	0.25	80	<10
273296		<0.01	3.34	2.46	1590	<1	0.05	43	520	31	0.70	10	136	0.34	92	10
273297		<0.01	2.12	2.96	4620	2	0.03	21	370	278	0.49	36	160	0.18	43	10
273298		<0.01	2.64	2.87	1770	<1	0.04	29	370	28	0.42	9	168	0.27	53	<10
273299		0.01	2.40	3.07	1440	1	0.04	30	360	4	0.37	7	199	0.27	66	<10
273300		0.08	2.43	2.49	9720	<1	0.04	35	730	82	0.40	10	134	0.34	94	20
273301		0.15	2.34	2.57	9490	<1	0.04	32	870	94	0.31	14	144	0.49	109	20
273302		<0.01	0.31	1.50	1655	1	0.39	47	410	138	6.56	278	31	0.22	54	<10
273303		<0.01	0.73	1.28	103	1	0.35	34	360	73	5.91	30	27	0.21	59	<10
273304		<0.01	3.21	1.43	1305	2	0.05	34	490	29	0.71	12	24	0.34	74	<10
273305		<0.01	0.19	0.72	840	1	0.20	30	250	72	>10.0	25	16	0.12	38	<10
273306		<0.01	0.38	1.42	271	1	0.39	26	380	32	3.73	20	32	0.24	61	<10
273307		<0.01	2.47	0.93	6960	1	0.04	34	380	60	1.38	13	24	0.27	71	<10
273308		<0.01	3.46	1.30	3530	<1	0.05	36	340	6	0.04	<5	33	0.38	83	<10
273309		0.01	3.13	1.65	923	<1	0.06	36	430	25	0.74	13	40	0.30	78	<10
273310		0.01	3.20	1.42	888	<1	0.09	43	460	18	1.59	14	45	0.22	77	<10
273311		0.01	2.55	1.48	815	1	0.05	35	480	18	0.25	13	44	0.33	79	<10
273312		<0.01	1.55	1.38	263	<1	0.15	43	430	6	2.27	12	46	0.33	80	<10
273313		0.01	2.60	1.45	880	1	0.06	28	370	48	1.24	15	30	0.32	68	<10
273314		0.01	2.08	1.09	694	<1	0.04	18	310	8	0.89	6	18	0.26	58	<10
273315		0.01	2.64	1.38	1320	<1	0.06	25	350	30	0.74	9	24	0.32	69	<10
273316		<0.01	2.44	2.33	1225	<1	0.08	34	410	22	0.52	12	138	0.26	63	<10
273317		0.01	2.21	3.16	1765	<1	0.04	25	420	8	0.09	5	290	0.25	57	<10
273318		0.01	2.42	1.68	929	<1	0.08	29	400	58	0.68	10	89	0.29	70	<10



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Account: STRGOL

Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273286		194
273287		66
273288		106
273289		145
273290		1090
273291		431
273292		33
273293		36
273294		205
273295		174
273296		77
273297		47
273298		29
273299		42
273300		209
273301		384
273302		115
273303		20
273304		62
273305		18
273306		11
273307		87
273308		28
273309		51
273310		19
273311		46
273312		11
273313		99
273314		10
273315		64
273316		114
273317		24
273318		197



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Page: 1

Finalized Date: 24-AUG-2004

Account: STRGOL

QC CERTIFICATE VA04051513

Project: 1744 Hyland

P.O. No.:

This report is for 153 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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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:



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Project: 1744 Hyland

QC CERTIFICATE OF ANALYSIS VA04051513

Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01
Sample Description															
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005	<0.005													
BLANK															<0.01
BLANK															<0.01
BLANK															<0.01
BLANK															<0.01
BLANK	<0.005														<0.01
BLANK	<0.005														<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	2	1	<0.01	
BLANK			<0.5	0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01	
Target Range Lower Bound	<0.005	<0.005	<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<0.01
Upper Bound	0.010	0.010	1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	0.02
DUPLICATES															
ORIGINAL	<0.005														
DUP	<0.005														
Target Range Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL	0.014														
DUP	0.014														
Target Range Lower Bound	<0.005														
Upper Bound	0.025														
ORIGINAL			0.5	3.65	21	230	0.6	<2	0.71	0.6	18	157	78	2.61	
DUP			0.7	3.60	30	230	0.6	<2	0.71	0.6	17	148	76	2.58	
Target Range Lower Bound			<0.5	3.42	14	200	<0.5	<2	0.65	<0.5	15	143	71	2.45	
Upper Bound			1.0	3.83	37	260	1.0	4	0.77	1.0	20	162	83	2.74	



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Project: 1744 Hyland

QC CERTIFICATE OF ANALYSIS VA04051513

	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm	
Sample Description		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	
BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK	BLANKS																
	Target Range - Lower Bound		<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Upper Bound		0.02	0.02	10	2	0.02	2	20	4	0.02	10	2	0.02	2	20	4	
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.79	0.53	934	5	0.94	47	610	6	0.12	11	50	0.13	89	<10	87	
		0.76	0.52	925	5	0.92	45	600	4	0.12	13	50	0.14	87	10	84	
	Target Range - Lower Bound		0.72	0.48	873	3	0.86	42	550	<2	0.09	<5	46	0.11	82	<10	77
	Upper Bound		0.83	0.57	986	7	1.00	50	660	9	0.15	23	55	0.16	94	20	94



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QC CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
	Analyte	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	
	Units	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
M271251 DUP Target Range - Lower Bound Upper Bound																
271425 DUP Target Range - Lower Bound Upper Bound																
271437 DUP Target Range - Lower Bound Upper Bound	4.52 4.35 4.19 4.68	0.88 0.91 0.83 0.96	439 459 417 481	<1 <1 <1 2	0.08 0.08 0.06 0.10	46 47 42 51	780 810 740 850	16 18 12 22	0.77 0.79 0.72 0.84	21 22 10 33	57 57 52 62	0.33 0.37 0.31 0.39	103 101 95 109	10 10 ≤10 20	35 34 29 40	
271446 DUP Target Range - Lower Bound Upper Bound																
271447 DUP Target Range - Lower Bound Upper Bound																
271461 DUP Target Range - Lower Bound Upper Bound																
271467 DUP Target Range - Lower Bound Upper Bound																



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QC CERTIFICATE OF ANALYSIS VA04051513

Sample Description	Method Analyte Units LOR	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
		Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
		<div> <div>ORIGINAL</div> <div>DUP</div> <div>Target Range - Lower Bound</div> <div>Upper Bound</div> </div> <div> <div>0.027</div> <div>0.027</div> <div>0.016</div> <div>0.038</div> </div>														
		<div> <div>0.027</div> <div>0.027</div> <div>0.016</div> <div>0.038</div> </div>														

[illegible]



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Finalized Date: 25-AUG-2004
Account: STRGOL

CERTIFICATE VA04051766

Project: 1744 Hyland

P.O. No.:

This report is for 87 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

146

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Zn-AA62	Ore grade Zn - four acid / AAS	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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Signature:



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Phone: 604 984 0221 Fax: 604 984 0218

To: STRATAGOLD EXPLORATION INC.
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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Finalized Date: 25-AUG-2004
Account: STRGOL

Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M273319		3.84	<0.005		<0.5	6.30	24	580	1.8	<2	0.37	<0.5	14	91	26	3.44
M273320		4.08	<0.005		<0.5	5.17	35	470	1.4	<2	4.90	1.1	10	66	32	2.89
M273321		1.80	<0.005	<0.005	<0.5	5.40	41	500	1.5	<2	4.84	<0.5	12	68	40	2.95
M273322		3.76	0.019		<0.5	4.91	549	560	1.4	<2	2.65	5.5	10	75	52	5.25
M273323		3.98	<0.005		<0.5	7.37	37	1130	2.2	<2	3.98	1.3	16	76	40	3.78
M273324		1.82	<0.005		<0.5	7.19	50	770	2.0	<2	3.92	<0.5	15	70	61	3.44
M273325		1.00	0.228		5.2	5.06	1010	400	1.2	10	6.71	29.2	12	69	91	6.31
M273326		3.30	0.724		3.5	0.85	3920	40	0.6	71	5.10	82.1	10	50	1050	22.5
M273327		3.64	1.740		4.0	7.02	1505	490	1.9	274	0.18	0.5	7	122	4510	3.91
M273328		3.84	0.729		0.7	6.25	2760	350	1.8	63	0.18	<0.5	14	158	1580	5.92
M273329		2.00	0.578		0.7	7.58	653	440	2.4	46	0.12	<0.5	10	98	1650	3.15
M273330		3.96	0.644		1.0	2.20	4140	70	0.7	9	0.17	<0.5	5	291	152	7.49
M273331		3.90	0.440		3.1	3.43	1560	120	1.0	16	0.11	<0.5	9	277	249	4.48
M273332		4.12	0.602		0.6	2.28	5750	30	0.7	10	0.09	<0.5	7	275	37	7.81
M273333		2.64	0.606		0.6	1.85	5230	10	0.5	15	0.13	<0.5	8	303	43	6.94
M273334		1.20	0.221		0.6	7.66	470	300	2.4	63	0.18	<0.5	6	128	1345	2.60
M273335		2.46	0.263		0.7	7.00	374	280	2.2	87	0.19	<0.5	8	225	1970	1.94
M273336		3.32	0.160		0.5	3.59	470	130	1.2	52	0.13	<0.5	7	266	1435	1.52
M273337		3.62	0.295		1.8	3.10	859	100	1.0	45	0.17	<0.5	7	114	859	1.94
M273338		3.48	1.885		0.9	1.68	3120	20	0.5	35	0.17	<0.5	8	290	109	8.88
M273339		4.68	1.410		5.5	2.55	>10000	40	0.8	66	0.08	<0.5	14	209	309	19.55
M273340		4.32	0.245		0.5	1.89	1325	30	0.6	19	0.07	<0.5	4	281	142	4.47
M273341		2.34	0.257	0.272	1.3	2.23	859	40	0.7	18	0.07	<0.5	4	228	184	5.01
M273342		3.64	0.073		1.1	2.73	286	70	0.8	13	0.12	<0.5	2	198	150	1.74
M273343		4.58	0.162		0.5	2.36	271	80	0.7	28	0.19	<0.5	2	216	280	2.42
M273344		2.98	0.204		<0.5	6.96	2660	290	2.1	12	0.15	<0.5	8	114	1015	2.87
M273345		4.64	0.371		0.5	2.20	3020	60	0.6	18	0.08	<0.5	5	281	164	5.24
M273346		3.46	0.647		0.6	2.68	>10000	30	0.8	9	0.20	<0.5	9	179	57	4.59
M273347		3.30	0.018		<0.5	7.71	311	440	2.3	2	0.36	<0.5	11	94	100	3.52
M273348		2.58	0.007		<0.5	8.39	48	520	2.5	<2	0.13	<0.5	17	103	38	3.99
M273349		4.38	<0.005		<0.5	9.53	47	570	2.7	<2	0.14	<0.5	16	101	34	4.61
M273350		4.22	<0.005		<0.5	9.08	35	500	2.5	<2	0.18	<0.5	15	98	41	4.22
M273351		3.02	0.007		<0.5	1.89	15	110	<0.5	<2	28.6	<0.5	2	20	7	0.88
M273352		3.10	0.009		<0.5	0.98	13	60	<0.5	<2	33.2	<0.5	2	11	10	0.65
M273353		3.84	0.011		<0.5	1.29	21	80	<0.5	<2	32.4	<0.5	1	19	14	1.03
M273354		3.56	0.005		<0.5	1.48	10	70	<0.5	<2	32.9	<0.5	2	20	7	0.66
M273355		3.32	<0.005		<0.5	1.91	14	90	<0.5	<2	30.6	<0.5	2	15	9	0.78
M273356		3.92	<0.005		<0.5	2.01	10	100	<0.5	<2	27.9	<0.5	1	28	8	0.66
M273357		2.84	<0.005		<0.5	2.34	17	110	0.5	<2	27.5	<0.5	3	19	9	1.06
M273358		2.86	0.034		<0.5	4.90	21	250	0.9	<2	18.20	0.6	5	34	16	1.49



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Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M273319		<0.01	2.69	1.68	241	<1	0.05	31	390	<2	0.40	8	33	0.33	72	<10
M273320		0.03	2.40	3.26	1905	1	0.05	28	390	84	0.23	9	276	0.28	60	<10
M273321		<0.01	2.52	3.29	1900	1	0.05	33	400	30	0.28	13	269	0.29	63	<10
M273322		0.03	2.40	2.50	5320	<1	0.06	30	370	381	1.46	6	116	0.21	51	<10
M273323		0.02	3.88	2.88	1105	<1	0.06	40	480	25	0.10	11	244	0.31	136	<10
M273324		<0.01	3.65	2.97	901	1	0.06	38	460	3	0.16	5	170	0.30	175	<10
M273325		0.15	2.47	3.50	2290	3	0.04	24	430	3150	4.49	8	220	0.18	81	<10
M273326		0.92	0.28	2.95	>10000	1	0.03	19	390	805	>10.0	40	192	0.02	10	<10
M273327		0.03	3.61	0.60	128	<1	0.04	20	380	136	3.69	114	26	0.27	59	<10
M273328		<0.01	3.03	0.55	69	2	0.05	33	450	14	6.21	9	28	0.23	65	<10
M273329		<0.01	3.99	0.66	35	1	0.05	31	330	<2	3.01	6	27	0.34	84	<10
M273330		<0.01	0.69	0.38	73	1	0.09	23	420	17	7.87	38	18	0.09	30	<10
M273331		<0.01	1.45	0.38	62	2	0.06	24	220	22	4.56	76	17	0.14	44	<10
M273332		<0.01	0.36	0.49	58	1	0.14	19	200	22	8.07	9	14	0.07	31	<10
M273333		<0.01	0.17	0.46	38	2	0.13	23	390	30	7.18	6	16	0.08	27	<10
M273334		<0.01	3.62	0.74	30	1	0.11	22	660	<2	2.39	6	43	0.39	92	<10
M273335		<0.01	3.45	0.59	73	2	0.06	24	420	<2	1.52	7	39	0.34	81	<10
M273336		<0.01	1.77	0.31	44	1	0.03	21	220	2	1.24	<5	18	0.20	48	<10
M273337		<0.01	1.47	0.28	41	1	0.02	19	310	9	1.90	69	20	0.14	41	<10
M273338		<0.01	0.30	0.42	66	1	0.11	25	150	44	9.54	11	17	0.07	26	<10
M273339		<0.01	0.69	0.44	136	2	0.11	21	150	100	>10.0	124	15	0.08	32	<10
M273340		<0.01	0.35	0.38	120	1	0.11	14	150	13	4.72	35	13	0.09	26	<10
M273341		<0.01	0.56	0.38	55	1	0.10	13	160	14	5.45	43	13	0.09	29	10
M273342		<0.01	1.02	0.32	43	1	0.06	11	190	6	1.64	27	17	0.14	36	<10
M273343		<0.01	1.02	0.36	190	2	0.03	12	160	8	2.18	25	18	0.12	32	10
M273344		<0.01	3.40	0.71	226	<1	0.06	25	370	2	2.20	5	40	0.32	76	10
M273345		<0.01	0.72	0.30	37	3	0.07	19	180	10	5.65	10	14	0.09	29	10
M273346		<0.01	0.34	0.68	56	1	0.18	15	210	13	4.49	5	24	0.10	32	<10
M273347		<0.01	3.83	1.34	323	1	0.06	35	420	10	1.25	<5	44	0.33	82	10
M273348		<0.01	3.87	1.27	390	<1	0.07	43	550	<2	1.04	<5	48	0.36	89	10
M273349		<0.01	4.24	1.17	1130	<1	0.11	44	560	<2	0.06	<5	59	0.36	94	10
M273350		<0.01	3.98	1.17	853	<1	0.11	43	390	<2	0.19	<5	60	0.35	92	10
M273351		<0.01	0.85	0.78	445	<1	0.03	8	210	73	0.79	<5	1765	0.06	15	<10
M273352		<0.01	0.43	0.36	356	<1	0.02	3	280	6	<0.01	<5	1670	0.03	8	<10
M273353		<0.01	0.56	0.53	592	<1	0.02	5	300	6	0.6	<5	1785	0.05	11	<10
M273354		<0.01	0.56	0.47	219	<1	0.04	5	280	3	0.59	<5	2100	0.05	12	<10
M273355		<0.01	0.69	0.50	128	<1	0.07	9	160	5	0.71	<5	1810	0.06	15	<10
M273356		<0.01	0.69	0.51	91	<1	0.05	6	240	4	0.55	<5	1820	0.06	15	<10
M273357		<0.01	0.87	0.66	478	<1	0.05	11	140	16	0.82	<5	1020	0.07	18	<10
M273358		<0.01	2.05	0.79	2600	<1	0.11	13	280	64	1.25	<5	992	0.14	32	<10

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CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn	Zn
		ppm	%
		2	0.01
M273319		27	
M273320		257	
M273321		140	
M273322		1080	
M273323		323	
M273324		49	
M273325		7130	
M273326		>10000	2.00
M273327		112	
M273328		43	
M273329		9	
M273330		16	
M273331		38	
M273332		9	
M273333		8	
M273334		6	
M273335		5	
M273336		5	
M273337		23	
M273338		5	
M273339		36	
M273340		10	
M273341		10	
M273342		9	
M273343		9	
M273344		7	
M273345		8	
M273346		7	
M273347		31	
M273348		20	
M273349		44	
M273350		51	
M273351		74	
M273352		19	
M273353		14	
M273354		15	
M273355		26	
M273356		17	
M273357		48	
M273358		177	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M273359		3.52	<0.005		<0.5	1.02	6	60	<0.5	<2	34.4	<0.5	1	12	5	0.50
M273360		3.86	0.005		<0.5	0.66	11	40	<0.5	<2	35.4	<0.5	<1	6	4	0.41
M273361		1.40	<0.005	<0.005	<0.5	0.62	7	40	<0.5	<2	34.6	<0.5	<1	9	4	0.42
M273362		3.60	<0.005		<0.5	0.89	10	60	<0.5	<2	33.8	<0.5	<1	10	5	0.45
M273363		2.42	0.005		<0.5	3.00	21	140	0.5	<2	28.4	<0.5	4	19	11	1.20
M273364		2.44	0.020		<0.5	2.22	34	100	0.7	<2	21.4	<0.5	5	15	61	3.26
M273365		3.64	0.029		<0.5	9.71	921	520	2.3	<2	1.42	<0.5	19	78	154	4.03
M273366		3.46	0.010		<0.5	9.97	47	610	2.7	<2	0.36	<0.5	16	77	57	4.13
M273367		3.90	0.106		0.7	9.21	1165	420	2.6	2	0.28	<0.5	10	96	355	3.44
M273368		2.30	0.006		<0.5	9.24	76	490	2.5	19	0.23	<0.5	5	83	211	2.75
M273369		3.18	0.385		5.1	6.01	3410	90	1.7	68	0.26	<0.5	17	138	535	14.05
M273370		1.94	0.327		<0.5	3.96	6650	250	0.9	7	1.01	<0.5	<1	116	96	2.44
M273371		3.22	0.412		0.6	6.43	5100	120	1.9	12	0.13	<0.5	9	109	67	7.65
M273372		1.26	0.071		0.6	3.06	1995	70	1.0	7	0.38	<0.5	5	156	75	5.21
M273373		1.50	0.126		<0.5	7.02	1685	240	2.2	6	0.33	<0.5	8	100	43	5.32
M273374		1.84	0.135		<0.5	3.74	3070	140	1.2	8	0.12	<0.5	6	150	36	4.48
M273375		2.62	0.116		<0.5	5.98	1645	220	1.9	6	0.11	<0.5	10	120	21	5.92
M273376		3.26	0.046		<0.5	3.21	1280	100	1.1	2	0.27	<0.5	2	162	13	3.07
M273377		1.94	0.261		<0.5	1.10	8910	10	<0.5	22	0.14	<0.5	10	277	17	6.79
M273378		3.82	0.031		<0.5	5.11	306	200	1.6	3	0.29	<0.5	10	133	64	3.01
M273379		2.24	0.174		<0.5	2.00	5350	30	0.6	8	0.06	<0.5	1	233	8	6.46
M273380		1.88	0.028		0.6	7.50	303	300	2.5	7	0.61	<0.5	12	130	99	2.72
M273381		0.78	0.031	0.029	1.1	7.36	189	300	2.5	9	0.54	<0.5	13	128	166	3.12
M273382		3.62	0.160		<0.5	1.32	1220	10	<0.5	7	0.07	<0.5	2	225	12	6.73
M273383		4.08	0.112		<0.5	2.19	551	40	0.7	9	0.19	<0.5	3	217	14	4.95
M273384		3.16	0.105		0.7	1.52	618	20	<0.5	21	0.09	<0.5	2	222	28	4.64
M273385		3.86	0.108		1.8	1.72	952	30	0.5	15	0.71	<0.5	1	234	225	3.48
M273386		3.64	0.230		2.7	1.62	1420	10	<0.5	20	0.14	<0.5	4	258	303	6.94
M273387		3.98	0.110		0.5	1.08	1955	10	<0.5	9	0.11	<0.5	3	267	51	4.18
M273388		4.52	0.064		<0.5	1.20	1865	20	<0.5	8	0.06	<0.5	9	308	20	3.30
M273389		2.50	0.083		<0.5	2.35	1880	50	0.7	9	0.23	<0.5	6	315	44	5.33
M273390		1.30	0.582		<0.5	0.63	2820	<10	<0.5	9	0.13	<0.5	11	295	17	4.38
M273391		3.96	0.052		<0.5	2.24	760	70	0.6	7	0.27	<0.5	2	205	30	2.80
M273392		2.32	0.123		<0.5	1.57	905	50	0.5	<2	0.63	<0.5	5	227	11	1.09
M273393		1.02	0.014		<0.5	1.79	899	40	0.5	2	0.93	<0.5	5	224	28	2.03
M273394		1.00	0.014		0.9	2.18	94	80	0.7	2	0.12	<0.5	2	183	94	1.29
M273395		1.96	0.098		<0.5	2.49	798	60	0.8	12	0.37	<0.5	6	201	21	6.55
M273396		1.00	0.015		<0.5	8.20	149	340	2.6	2	0.23	<0.5	7	126	17	2.24
M273397		3.64	0.076		<0.5	1.74	492	40	0.5	8	0.23	<0.5	3	198	13	3.49
M273398		1.40	0.326		<0.5	2.02	783	50	0.6	42	0.04	<0.5	13	244	13	6.76



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Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M273359		<0.01	0.41	0.36	996	<1	0.02	4	510	30	0.5	<5	2130	0.03	8	<10
M273360		<0.01	0.26	0.39	176	<1	0.02	2	280	4	<0.01	<5	1705	0.02	5	<10
M273361		<0.01	0.24	0.38	164	<1	0.02	3	280	6	<0.01	<5	1635	0.02	5	<10
M273362		<0.01	0.36	0.46	120	<1	0.02	4	270	10	0.44	<5	1800	0.03	8	<10
M273363		<0.01	0.97	0.90	253	<1	0.21	12	660	18	1.17	7	1680	0.09	25	<10
M273364		0.01	0.98	4.16	3600	1	0.02	16	1100	3	0.95	7	841	0.06	17	<10
M273365		0.04	4.29	1.38	481	<1	0.12	49	400	<2	2.07	17	70	0.29	93	10
M273366		0.01	4.67	1.20	312	2	0.07	44	520	<2	1.30	6	43	0.25	102	10
M273367		<0.01	4.29	0.84	136	<1	0.14	40	270	9	3.44	6	43	0.24	87	<10
M273368		<0.01	4.68	0.97	268	<1	0.09	30	290	25	1.83	<5	34	0.28	90	10
M273369		0.01	1.05	1.14	106	<1	0.33	24	680	132	>10.0	117	53	0.11	55	<10
M273370		<0.01	1.87	0.70	208	1	0.04	8	240	5	2.08	6	21	0.15	38	<10
M273371		<0.01	2.95	0.52	25	<1	0.06	23	360	6	8.41	7	25	0.19	56	10
M273372		<0.01	0.96	0.48	110	1	0.10	15	240	96	5.79	<5	37	0.11	37	10
M273373		<0.01	3.16	0.65	36	<1	0.09	22	1000	8	5.91	<5	61	0.22	77	10
M273374		<0.01	1.70	0.30	36	1	0.04	22	240	4	4.85	10	23	0.16	45	10
M273375		<0.01	2.84	0.48	23	1	0.05	28	310	<2	6.51	<5	28	0.20	68	10
M273376		<0.01	1.20	0.42	42	<1	0.08	14	260	2	3.23	<5	21	0.13	39	<10
M273377		<0.01	0.09	0.29	33	2	0.08	20	130	20	7.07	8	13	0.05	15	<10
M273378		<0.01	2.36	0.60	108	<1	0.06	27	280	3	3.02	5	33	0.24	62	<10
M273379		<0.01	0.31	0.47	23	2	0.13	15	120	9	6.85	<5	21	0.08	28	<10
M273380		<0.01	3.60	0.83	140	<1	0.07	31	1250	5	2.70	20	66	0.33	90	10
M273381		<0.01	3.58	0.83	77	2	0.10	32	1740	2	3.27	36	77	0.33	92	10
M273382		<0.01	0.08	0.34	29	1	0.11	15	150	15	7.35	<5	12	0.06	18	<10
M273383		<0.01	0.44	0.44	41	1	0.12	11	140	14	5.38	<5	18	0.09	28	10
M273384		<0.01	0.22	0.34	53	1	0.10	10	130	16	4.99	8	12	0.06	21	<10
M273385		<0.01	0.41	0.37	118	2	0.08	10	150	15	3.68	20	40	0.07	22	<10
M273386		<0.01	0.11	0.41	73	2	0.13	13	150	18	7.45	6	15	0.05	22	<10
M273387		<0.01	0.16	0.24	59	1	0.07	12	90	8	4.36	5	11	0.06	17	<10
M273388		<0.01	0.22	0.23	36	2	0.07	9	100	20	3.31	<5	11	0.06	18	<10
M273389		<0.01	0.58	0.45	104	2	0.11	16	140	13	5.54	7	27	0.10	33	<10
M273390		<0.01	0.03	0.18	89	2	0.06	10	110	7	4.51	5	11	0.03	9	<10
M273391		<0.01	0.73	0.32	64	1	0.07	10	150	3	2.82	6	17	0.09	30	<10
M273392		<0.01	0.57	0.27	84	2	0.05	9	130	2	0.81	<5	28	0.09	23	<10
M273393		<0.01	0.45	0.41	128	1	0.08	8	160	2	1.89	<5	43	0.07	25	<10
M273394		<0.01	0.96	0.22	36	2	0.03	7	150	4	1.16	11	12	0.12	32	<10
M273395		<0.01	0.63	0.49	80	1	0.11	16	140	8	7.21	6	27	0.09	31	<10
M273396		<0.01	4.07	0.73	61	<1	0.07	20	280	10	2.04	<5	38	0.34	94	10
M273397		<0.01	0.48	0.28	61	<1	0.07	10	90	7	3.66	<5	17	0.04	22	<10
M273398		<0.01	0.49	0.31	26	1	0.09	35	130	22	7.43	6	12	0.06	23	10

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Total # Pages: 4 (A - C)
Finalized Date: 25-AUG-2004
Account: STRGOL

Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn	Zn
		ppm 2	% 0.01
M273359		152	
M273360		19	
M273361		18	
M273362		19	
M273363		38	
M273364		12	
M273365		7	
M273366		11	
M273367		10	
M273368		18	
M273369		42	
M273370		10	
M273371		7	
M273372		25	
M273373		6	
M273374		6	
M273375		5	
M273376		4	
M273377		10	
M273378		11	
M273379		3	
M273380		8	
M273381		10	
M273382		3	
M273383		3	
M273384		4	
M273385		21	
M273386		27	
M273387		8	
M273388		14	
M273389		9	
M273390		6	
M273391		6	
M273392		4	
M273393		5	
M273394		4	
M273395		7	
M273396		9	
M273397		4	
M273398		4	



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CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M273399		3.64	0.013		<0.5	8.53	104	440	2.8	12	1.47	<0.5	9	84	184	2.10
M273400		2.70	0.007		<0.5	8.14	74	460	2.5	4	1.42	<0.5	8	69	120	2.68
M273401		1.44	0.010	0.010	<0.5	8.16	92	470	2.7	2	1.54	<0.5	9	65	82	2.39
M273402		4.02	0.009		<0.5	6.22	54	420	1.8	2	1.19	<0.5	23	110	47	2.89
M273403		3.54	<0.005		<0.5	8.22	13	570	2.2	2	0.73	<0.5	14	62	37	3.49
M273404		3.76	<0.005		<0.5	7.79	13	520	1.9	<2	2.01	<0.5	10	62	32	3.29
M273405		3.82	<0.005		<0.5	7.39	8	560	1.8	<2	3.69	<0.5	11	63	26	3.12



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CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V
		ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1
M273399		<0.01	4.25	1.38	383	<1	0.06	30	760	<2	0.93	<5	49	0.26	78
M273400		<0.01	3.99	1.71	376	<1	0.05	26	360	4	0.24	<5	70	0.26	67
M273401		<0.01	4.14	1.70	412	2	0.06	28	360	2	0.18	5	64	0.29	70
M273402		<0.01	2.99	1.34	244	1	0.04	34	310	26	0.97	8	89	0.27	66
M273403		<0.01	3.77	1.70	199	<1	0.05	29	640	15	0.21	<5	67	0.27	66
M273404		<0.01	3.35	2.02	499	<1	0.04	25	310	2	0.04	<5	138	0.27	55
M273405		<0.01	3.28	2.69	712	<1	0.05	26	360	12	0.18	<5	280	0.28	52



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Project: 1744 Hyland

CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn	Zn
		ppm	%
		2	0.01
M273399		12	
M273400		28	
M273401		26	
M273402		40	
M273403		56	
M273404		46	
M273405		47	



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Page: 1
Finalized Date: 25-AUG-2004
Account: STRGOL

QC CERTIFICATE VA04051766

Project: 1744 Hyland

P.O. No.:

This report is for 87 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Zn-AA62	Ore grade Zn - four acid / AAS	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: ACCOUNTS PAYABLE
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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:



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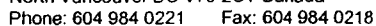
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Project: 1744 Hyland

QC CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
STANDARDS		
CCU-1c		3.98
Target Range - Lower Bound		3.84
Upper Bound		4.14
G2000		
G2000		
G2000		
G2000		
G2000		
G2000		
G2000		
Target Range - Lower Bound		
Upper Bound		
GS01-2		
GS01-2		
GS01-2		
Target Range - Lower Bound		
Upper Bound		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		
0.94		
Target Range - Lower Bound		0.91
Upper Bound		0.99
MER-03		
MER-03		
MER-03		
MER-03		
Target Range - Lower Bound		
Upper Bound		
OXX18		
OXX18		
OXX18		
OXX18		
Target Range - Lower Bound		
Upper Bound		

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Project: 1744 Hyland

QC CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES
M273321 DUP Target Range - Lower Bound Upper Bound		
M273326 DUP Target Range - Lower Bound Upper Bound		2.00 2.04 1.95 2.09
M273328 DUP Target Range - Lower Bound Upper Bound		
M273337 DUP Target Range - Lower Bound Upper Bound		
M273348 DUP Target Range - Lower Bound Upper Bound		
M273349 DUP Target Range - Lower Bound Upper Bound		
M273368 DUP Target Range - Lower Bound Upper Bound		



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QC CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
M273373 DUP Target Range: Lower Bound: Upper Bound:	DUPLICATES															
M273385 DUP Target Range: Lower Bound: Upper Bound:	0.41 0.43 0.38 0.46	0.37 0.38 0.34 0.41	118 120 103 135	2 2 <1 4	0.08 0.09 0.06 0.11	10 11 8 13	150 160 130 180	15 14 10 19	3.68 3.76 3.51 3.93	20 20 9 31	40 42 37 45	0.07 0.07 0.05 0.09	22 23 19 26	<10 10 <10 20	21 22 16 27	
ORIGINAL DUP Target Range: Lower Bound: Upper Bound:																



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Account: STRGOL

Project: 1744 Hyland

QC CERTIFICATE OF ANALYSIS VA04051766

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
M273373 DUP Target Range: Lower Bound Upper Bound		DUPLICATES
M273385 DUP Target Range: Lower Bound Upper Bound		
ORIGINAL DUP Target Range: Lower Bound Upper Bound		



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Finalized Date: 26-AUG-2004

Account: STRGOL

CERTIFICATE VA04052902

Project: Hyland 1744

P.O. No.:

This report is for 100 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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Signature:



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04052902

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273406		3.60	0.039		<0.5	0.61	113	50	<0.5	<2	37.2	<0.5	<1	14	6	1.79
273407		5.72	<0.005		0.5	0.80	20	60	<0.5	<2	37.3	<0.5	<1	13	4	0.55
273408		5.96	<0.005		<0.5	0.84	6	60	<0.5	<2	38.0	<0.5	1	12	4	0.40
273409		6.04	<0.005		<0.5	0.35	5	20	<0.5	<2	7.00	<0.5	1	85	845	0.25
273410		4.46	<0.005		<0.5	1.44	7	90	<0.5	<2	36.4	<0.5	1	14	8	0.76
273411		2.92	<0.005		<0.5	9.54	30	590	2.4	<2	0.98	<0.5	16	91	38	3.88
273412		6.74	<0.005		<0.5	9.43	44	560	2.5	<2	0.40	<0.5	14	90	49	4.71
273413		5.42	0.009		1.5	8.82	166	430	2.5	2	0.24	<0.5	13	87	124	3.80
273414		3.90	0.009		<0.5	9.51	89	560	2.4	<2	0.12	<0.5	15	84	40	4.50
273415		6.34	<0.005		<0.5	9.40	41	590	2.5	<2	0.20	<0.5	17	162	36	4.77
273416		2.16	<0.005		<0.5	8.48	39	490	2.5	2	0.34	<0.5	16	73	43	3.99
273417		1.36	<0.005		<0.5	8.90	31	440	2.3	<2	0.98	<0.5	10	134	17	4.94
273418		3.48	0.016		0.6	7.06	180	330	1.9	3	0.59	0.7	14	104	64	3.68
273419		4.36	0.046		<0.5	1.60	51	10	0.5	5	0.05	<0.5	<1	372	6	0.64
273420		1.94	0.117		1.4	1.46	136	30	<0.5	16	0.06	<0.5	<1	180	5	0.49
273421		1.02	0.130	0.125	1.5	1.43	116	20	<0.5	13	0.09	<0.5	<1	389	6	0.70
273422		1.60	0.043		8.6	1.28	225	10	<0.5	18	0.04	<0.5	<1	194	5	0.59
273423		2.08	0.180		3.7	1.63	266	10	<0.5	23	0.05	<0.5	<1	378	7	0.78
273424		2.16	0.104		1.9	1.57	286	10	<0.5	350	0.05	<0.5	<1	154	5	0.50
273425		2.94	0.122		0.8	1.24	529	20	<0.5	55	0.04	<0.5	1	403	11	0.75
273426		3.24	0.007		<0.5	6.48	777	370	1.6	3	4.16	<0.5	12	97	47	3.95
273427		2.48	<0.005		<0.5	7.42	621	470	1.7	<2	1.77	<0.5	13	123	26	4.25
273428		0.70	0.412		0.7	1.68	>10000	20	<0.5	57	0.09	<0.5	<1	139	75	3.07
273429		1.42	0.024		1.7	7.62	7980	540	2.0	38	0.12	<0.5	7	166	89	4.82
273430		3.36	<0.005		<0.5	9.97	538	740	2.7	<2	0.10	<0.5	19	97	123	4.56
273431		5.34	<0.005		<0.5	10.15	32	570	2.7	<2	0.18	<0.5	22	99	49	5.24
273432		5.74	<0.005		<0.5	9.95	26	520	2.7	<2	0.15	<0.5	21	134	46	4.58
273433		5.96	<0.005		<0.5	9.34	20	500	2.5	<2	0.55	<0.5	18	88	71	4.29
273434		6.24	<0.005		<0.5	9.85	36	510	2.8	<2	0.28	<0.5	17	114	42	4.48
273435		6.70	<0.005		<0.5	9.86	23	570	2.9	<2	0.16	<0.5	16	94	31	4.31
273436		6.18	<0.005		<0.5	10.10	8	520	2.8	<2	0.16	<0.5	21	118	35	4.61
273437		6.36	0.026		<0.5	9.71	16	530	2.8	<2	0.25	<0.5	17	83	36	4.21
273438		5.76	<0.005		<0.5	10.25	18	450	2.7	<2	0.14	<0.5	17	89	46	4.64
273439		3.30	0.028		<0.5	6.67	152	300	1.7	<2	0.44	<0.5	17	102	210	4.77
273440		4.58	0.006		<0.5	1.42	124	60	<0.5	<2	1.17	<0.5	1	387	158	2.21
273441		1.64	0.005	0.006	<0.5	1.55	142	60	<0.5	60	1.32	<0.5	1	127	226	2.17
273442		4.80	0.148		1.9	1.46	1380	20	<0.5	90	1.59	<0.5	9	334	404	6.98
273443		6.22	<0.005		<0.5	8.71	65	450	2.3	<2	0.66	<0.5	15	88	40	4.10
273444		4.46	<0.005		<0.5	9.20	56	670	2.6	<2	0.22	<0.5	20	122	42	4.81
273445		4.42	0.005		<0.5	8.86	156	550	2.4	<2	0.60	<0.5	13	95	84	3.81



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CERTIFICATE OF ANALYSIS VA04052902

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273406		<0.01	0.24	0.52	1305	<1	0.03	7	170	7	0.6	<5	1760	0.02	7	<10
273407		0.04	0.28	0.32	260	<1	0.05	8	190	7	<0.01	<5	2100	0.03	9	<10
273408		<0.01	0.31	0.34	93	<1	0.05	4	190	7	<0.01	<5	2500	0.03	9	<10
273409		0.01	0.14	0.07	66	<1	0.01	6	20	2	0.05	<5	377	0.02	5	<10
273410		0.01	0.60	0.52	458	<1	0.03	7	330	12	<0.01	<5	1305	0.05	14	<10
273411		0.02	4.28	0.37	530	<1	0.15	45	580	8	0.21	5	109	0.34	101	<10
273412		0.01	4.16	1.14	859	<1	0.13	41	610	18	0.10	8	83	0.39	108	<10
273413		<0.01	4.09	0.65	528	<1	0.12	33	610	8	0.03	12	86	0.40	96	<10
273414		<0.01	4.08	1.04	830	<1	0.13	39	560	13	0.05	<5	73	0.35	102	10
273415		<0.01	4.29	1.26	934	<1	0.11	45	740	5	0.18	<5	75	0.43	105	<10
273416		<0.01	4.11	1.33	946	<1	0.10	33	510	22	0.10	7	87	0.42	91	<10
273417		<0.01	4.25	0.52	1080	<1	0.07	29	480	6	<0.01	<5	69	0.32	91	10
273418		0.01	3.33	0.52	2700	1	0.07	32	670	110	0.02	9	95	0.30	82	<10
273419		<0.01	0.06	0.50	47	1	0.14	12	40	30	0.02	<5	23	0.13	26	<10
273420		0.01	0.12	0.43	17	1	0.12	6	20	47	0.02	10	30	0.12	21	<10
273421		0.01	0.05	0.45	39	2	0.12	11	20	52	0.04	6	33	0.12	23	<10
273422		<0.01	0.02	0.42	17	1	0.12	4	10	19	0.05	55	22	0.10	20	<10
273423		<0.01	0.02	0.50	37	1	0.14	11	30	41	0.04	32	34	0.09	23	<10
273424		0.01	0.02	0.51	18	2	0.14	1	10	36	0.03	26	29	0.11	22	<10
273425		0.01	0.07	0.38	45	3	0.11	13	30	17	0.04	7	34	0.07	18	<10
273426		<0.01	3.14	1.92	868	<1	0.08	30	300	17	0.16	8	234	0.28	54	<10
273427		0.01	3.92	0.91	921	<1	0.05	27	270	12	0.03	<5	72	0.27	61	<10
273428		<0.01	0.12	0.47	42	1	0.13	2	870	39	0.05	54	52	0.08	24	<10
273429		0.02	3.15	0.59	91	<1	0.11	25	830	147	0.18	96	281	0.39	96	<10
273430		0.01	4.24	1.00	226	1	0.11	46	530	5	0.27	<5	239	0.43	111	<10
273431		<0.01	4.49	1.30	509	<1	0.12	54	740	3	0.16	<5	129	0.44	107	10
273432		<0.01	4.66	1.02	339	<1	0.12	47	660	9	0.43	<5	98	0.40	103	<10
273433		<0.01	4.25	1.08	425	<1	0.35	50	550	6	0.40	<5	109	0.40	107	<10
273434		<0.01	4.59	1.04	308	<1	0.11	45	590	6	0.15	<5	69	0.42	105	<10
273435		<0.01	4.65	1.12	375	<1	0.11	47	480	2	0.16	<5	93	0.44	107	10
273436		<0.01	4.58	1.19	463	<1	0.11	48	670	3	0.09	<5	101	0.44	105	<10
273437		<0.01	4.74	0.98	245	<1	0.10	43	560	4	0.32	<5	84	0.40	102	<10
273438		<0.01	4.70	1.27	379	<1	0.09	49	450	4	0.14	27	61	0.38	104	<10
273439		<0.01	3.04	0.84	264	1	0.08	42	460	8	3.19	29	32	0.23	69	<10
273440		<0.01	0.54	0.67	478	1	0.03	15	100	13	1.32	27	11	0.07	18	<10
273441		<0.01	0.59	0.75	516	1	0.03	14	70	11	1.46	8	13	0.08	18	<10
273442		0.03	0.22	0.96	1485	5	0.08	24	380	69	7.02	154	35	0.05	18	<10
273443		<0.01	4.38	1.18	389	1	0.07	38	490	6	0.40	10	67	0.39	92	<10
273444		<0.01	4.43	1.26	557	<1	0.11	48	680	2	0.32	<5	277	0.45	104	<10
273445		<0.01	4.40	1.28	370	1	0.09	43	660	5	0.73	10	98	0.43	101	<10



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CERTIFICATE OF ANALYSIS VA04052902

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273406		8
273407		9
273408		7
273409		2
273410		18
273411		56
273412		68
273413		54
273414		90
273415		58
273416		59
273417		40
273418		150
273419		2
273420		3
273421		3
273422		3
273423		3
273424		4
273425		5
273426		42
273427		46
273428		7
273429		322
273430		56
273431		66
273432		46
273433		34
273434		35
273435		32
273436		64
273437		29
273438		55
273439		17
273440		21
273441		23
273442		51
273443		39
273444		73
273445		29



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273446		5.64	0.005		<0.5	7.62	214	550	2.3	2	0.69	<0.5	11	166	45	3.41
273447		5.20	0.017		<0.5	9.13	234	610	2.6	3	0.48	<0.5	24	100	59	4.19
273448		5.08	0.026		<0.5	8.43	403	470	2.4	<2	0.61	<0.5	14	169	64	4.23
273449		1.74	0.219		0.9	6.13	1510	70	1.6	59	0.17	<0.5	5	126	186	3.47
273450		2.42	0.267		0.5	4.61	6830	130	1.1	21	0.10	<0.5	13	340	145	2.23
273451		5.90	0.885		<0.5	2.94	>10000	30	0.7	42	0.04	<0.5	49	154	78	6.15
273452		1.96	0.308		3.2	1.40	9130	10	<0.5	117	0.03	<0.5	21	398	244	4.33
273453		1.92	0.302		1.0	3.16	558	140	0.8	68	0.35	<0.5	10	144	85	4.59
273454		1.80	0.331		<0.5	2.78	541	120	0.7	303	0.01	<0.5	6	341	46	2.76
273455		1.36	0.480		1.2	3.79	4550	110	1.0	53	0.04	<0.5	28	124	134	3.84
273456		2.90	0.173		<0.5	7.00	867	390	1.6	10	2.71	<0.5	12	94	75	3.08
273457		3.32	0.039		<0.5	6.05	896	330	1.6	35	3.89	<0.5	12	101	192	6.26
273458		1.86	0.031		<0.5	6.29	472	600	1.6	4	4.77	<0.5	8	100	112	3.86
273459		2.34	0.258		<0.5	5.37	781	270	1.2	79	2.97	<0.5	8	86	257	7.05
273460		1.60	0.272		<0.5	6.82	1345	340	1.6	161	1.48	<0.5	12	116	343	6.13
273461		0.90	0.251	0.232	<0.5	6.47	1565	340	1.5	156	1.85	<0.5	13	94	336	6.46
273462		2.90	0.084		<0.5	6.05	742	360	1.5	12	2.82	<0.5	6	98	271	4.40
273463		3.92	0.045		<0.5	6.18	274	620	1.7	<2	5.05	<0.5	10	69	93	3.44
273464		2.12	<0.005		<0.5	6.66	75	970	2.0	<2	4.88	<0.5	11	73	53	3.63
273465		3.50	0.006		<0.5	6.08	146	740	1.8	2	4.96	<0.5	10	61	83	3.47
273466		2.80	<0.005		<0.5	5.46	61	470	1.6	<2	5.31	<0.5	9	69	33	2.78
273467		1.98	0.081		<0.5	6.70	3080	490	1.7	3	2.20	<0.5	20	122	88	3.70
273468		3.10	0.101		<0.5	6.45	447	310	1.6	30	2.41	<0.5	13	114	262	6.67
273469		4.14	0.088		<0.5	5.86	638	300	1.5	17	3.60	<0.5	14	82	149	5.41
273470		3.78	0.181		<0.5	4.98	1300	170	1.4	42	2.31	<0.5	13	104	168	6.73
273471		2.62	0.158		<0.5	5.86	773	150	1.6	15	0.11	<0.5	6	88	122	6.09
273472		4.18	0.480		<0.5	5.01	2030	70	1.6	84	0.09	1.3	13	141	586	7.14
273473		2.66	0.354		0.9	6.78	2300	140	2.0	41	0.10	2.3	12	118	110	8.42
273474		2.34	0.083		1.2	6.89	957	250	1.7	45	0.07	<0.5	6	159	237	4.41
273475		3.42	0.044		<0.5	3.09	805	130	0.7	18	0.04	<0.5	4	156	132	1.69
273476		2.62	0.032		<0.5	3.01	527	140	0.7	4	0.06	<0.5	2	201	64	1.22
273477		3.42	0.027		<0.5	3.47	394	170	0.8	6	0.08	<0.5	1	150	103	1.82
273478		4.10	0.051		<0.5	6.45	605	390	1.8	19	0.84	<0.5	6	145	238	3.02
273479		1.50	0.011		<0.5	2.27	203	120	0.6	24	0.27	<0.5	1	139	70	1.52
273480		3.16	0.022		<0.5	3.40	526	200	0.8	34	0.56	<0.5	6	180	69	2.02
273481		1.42	0.022	0.024	<0.5	3.52	767	200	0.8	31	0.56	<0.5	6	130	79	2.06
273482		3.48	0.407		<0.5	3.05	>10000	180	0.7	108	0.30	<0.5	39	208	235	5.99
273483		3.66	0.055		<0.5	3.82	1880	190	1.0	17	0.89	<0.5	11	138	108	2.48
273484		4.36	0.031		<0.5	5.63	620	320	1.6	6	1.12	<0.5	7	177	207	3.24
273485		3.54	0.103		<0.5	7.39	2640	380	2.0	30	1.49	0.9	13	106	438	6.79



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Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273446		<0.01	3.79	1.45	504	<1	0.09	31	480	<2	0.65	10	81	0.37	84	<10
273447		<0.01	4.40	1.24	439	<1	0.10	45	660	4	0.77	6	190	0.45	109	<10
273448		<0.01	3.66	1.47	802	<1	0.12	41	550	14	0.92	8	100	0.42	92	<10
273449		0.01	0.70	1.45	23	1	0.38	27	720	86	3.08	42	95	0.24	65	<10
273450		<0.01	1.26	0.74	27	1	0.17	23	420	33	1.60	42	36	0.23	56	<10
273451		<0.01	0.31	0.74	15	1	0.20	29	40	70	5.25	24	30	0.14	36	<10
273452		0.02	0.06	0.40	33	<1	0.11	20	100	419	3.96	57	19	0.07	21	<10
273453		0.01	0.82	0.72	74	1	0.14	17	120	138	4.69	20	28	0.14	55	10
273454		<0.01	1.18	0.25	26	1	0.04	17	40	41	2.65	20	13	0.15	38	<10
273455		<0.01	1.04	0.68	13	1	0.16	19	120	39	3.79	39	22	0.15	45	<10
273456		<0.01	3.27	1.99	493	<1	0.09	31	420	5	2.17	11	40	0.31	64	10
273457		<0.01	2.68	2.01	1170	1	0.06	40	670	85	3.95	19	53	0.33	97	20
273458		<0.01	3.16	2.92	817	1	0.05	35	440	5	1.56	7	61	0.27	132	<10
273459		<0.01	2.31	1.87	520	2	0.06	39	600	6	4.33	12	59	0.26	80	10
273460		<0.01	2.94	1.17	468	2	0.06	34	430	24	3.86	37	55	0.23	92	10
273461		<0.01	2.79	1.37	501	2	0.07	38	430	27	4.03	36	68	0.24	87	10
273462		<0.01	2.56	2.01	647	<1	0.10	26	370	22	2.12	7	59	0.23	87	<10
273463		<0.01	3.06	2.93	935	1	0.05	38	420	4	0.87	8	100	0.28	146	<10
273464		<0.01	3.44	2.77	1145	<1	0.05	41	420	7	0.63	<5	164	0.28	196	<10
273465		<0.01	3.12	2.72	1170	<1	0.04	35	420	8	0.49	7	134	0.28	121	<10
273466		<0.01	2.78	3.05	1155	<1	0.04	26	410	2	0.39	12	172	0.30	63	<10
273467		<0.01	3.19	1.58	551	<1	0.06	44	470	6	2.37	6	59	0.37	89	<10
273468		<0.01	2.73	1.62	653	1	0.09	45	590	34	4.45	7	32	0.29	97	<10
273469		<0.01	2.51	1.90	720	2	0.08	38	550	25	3.63	<5	34	0.31	89	<10
273470		<0.01	1.56	1.58	653	2	0.14	35	450	43	4.35	6	25	0.26	70	10
273471		<0.01	1.52	0.89	172	<1	0.22	23	290	29	4.24	<5	17	0.26	69	10
273472		0.01	0.83	0.79	259	1	0.22	28	310	230	6.16	25	41	0.22	59	20
273473		0.01	1.54	0.94	13	2	0.26	40	440	138	8.72	18	69	0.24	85	<10
273474		<0.01	2.46	0.65	13	2	0.16	28	260	88	4.50	109	29	0.29	78	10
273475		<0.01	1.21	0.20	17	1	0.04	11	270	41	1.58	18	30	0.11	23	<10
273476		<0.01	1.30	0.16	41	2	0.03	10	250	42	0.93	27	11	0.10	21	<10
273477		<0.01	1.52	0.21	80	3	0.04	14	190	19	1.50	29	13	0.11	25	<10
273478		<0.01	2.96	0.82	426	2	0.07	25	400	21	1.87	16	17	0.29	75	<10
273479		<0.01	0.98	0.24	290	1	0.03	11	180	14	0.45	5	6	0.10	22	<10
273480		<0.01	1.55	0.41	289	2	0.03	14	140	20	1.10	8	9	0.13	34	<10
273481		<0.01	1.60	0.42	292	1	0.03	11	140	17	1.16	7	9	0.14	34	<10
273482		<0.01	1.30	0.32	201	2	0.04	29	140	28	4.80	17	7	0.12	33	<10
273483		<0.01	1.58	0.68	301	<1	0.06	12	200	13	1.82	10	13	0.18	41	<10
273484		<0.01	2.50	0.74	510	2	0.05	24	350	27	1.90	26	18	0.26	69	10
273485		<0.01	2.97	0.86	945	1	0.04	39	890	41	4.20	34	42	0.24	95	<10

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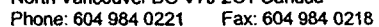
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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04052902

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273446		27
273447		29
273448		45
273449		16
273450		12
273451		7
273452		54
273453		9
273454		5
273455		9
273456		49
273457		50
273458		35
273459		15
273460		54
273461		44
273462		54
273463		15
273464		16
273465		31
273466		16
273467		17
273468		18
273469		14
273470		24
273471		16
273472		339
273473		554
273474		32
273475		5
273476		11
273477		21
273478		42
273479		41
273480		25
273481		26
273482		17
273483		14
273484		51
273485		156



Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273486		205
273487		134
273488		182
273489		34
273490		11
273491		20
273492		6
273493		58
273494		21
273495		52
273496		40
273497		85
273498		15
273499		87
273500		75
273501		77
273502		83
273503		113
273504		47
273505		72



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QC CERTIFICATE VA04052902

Project: Hyland 1744

P.O. No.:

This report is for 100 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
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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:

QC CERTIFICATE OF ANALYSIS VA04052902



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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04052902

Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
Sample Description	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
BLANK	BLANKS														
BLANK															
BLANK															
BLANK															
BLANK															
BLANK	<0.01	<0.01	<5	<1	<0.01	<1	<10	2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	1	<0.01	2	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	2	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Target Range Lower Bound	<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Upper Bound	0.02	0.02	10	2	0.02	2	20	4	0.02	10	2	0.02	2	20	4
DUPLICATES															
273411	4.28	0.37	530	<1	0.15	45	580	8	0.21	5	109	0.34	101	<10	56
DUP	4.19	0.36	507	<1	0.14	39	530	8	0.21	7	106	0.34	98	<10	54
Target Range Lower Bound	4.00	0.33	483	<1	0.12	38	510	4	0.18	<5	100	0.30	93	<10	48
Upper Bound	4.47	0.40	554	2	0.17	46	600	12	0.24	10	115	0.38	106	20	62
273412															
DUP															
Target Range Lower Bound															
Upper Bound															
273415															
DUP															
Target Range Lower Bound															
Upper Bound															
273435															
DUP															
Target Range Lower Bound															
Upper Bound															
273447	4.40	1.24	439	<1	0.10	45	660	4	0.77	6	190	0.45	109	<10	29
DUP	4.50	1.27	442	<1	0.10	44	660	4	0.80	7	192	0.45	109	10	27
Target Range Lower Bound	4.21	1.17	408	<1	0.08	40	610	<2	0.73	<5	179	0.41	102	<10	23
Upper Bound	4.69	1.34	473	2	0.13	49	710	8	0.84	10	203	0.49	116	20	33



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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04052902

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
Sample Description															
273448	DUPLICATES														
DUP															
Target Range - Lower Bound															
Upper Bound															
273455	0.480														<0.01
DUP	0.476														<0.01
Target Range - Lower Bound	0.444														<0.01
Upper Bound	0.512														0.02
273483			<0.5	3.82	1880	190	1.0	17	0.89	<0.5	11	138	108	2.48	
DUP			<0.5	3.71	1895	180	1.0	23	0.84	<0.5	11	134	108	2.35	
Target Range - Lower Bound			<0.5	3.56	1785	160	<0.5	15	0.80	<0.5	8	127	101	2.27	
Upper Bound			1.0	3.97	1990	210	2.1	25	0.93	1.0	14	145	115	2.56	
273484															<0.01
DUP															<0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
273492	0.033														
DUP	0.042	0.042													
Target Range - Lower Bound	0.026	0.030													
Upper Bound	0.049	0.054													
ORIGINAL	0.007														
DUP	0.008	0.008													
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
ORIGINAL			<0.5	1.89	<5	30	<0.5	<2	1.11	0.5	2	176	4	1.16	
DUP			<0.5	1.87	<5	70	<0.5	<2	1.10	0.5	1	174	4	1.16	
Target Range - Lower Bound			<0.5	1.77	<5	30	<0.5	<2	1.03	<0.5	<1	164	2	1.08	
Upper Bound			1.0	1.99	10	70	1.0	4	1.18	1.0	2	186	6	1.24	



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Page: 1
Finalized Date: 31-AUG-2004
Account: STRGOL

CERTIFICATE VA04052903

Project: Hyland 1744

P.O. No.:

This report is for 123 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

15b

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
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Signature: 



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Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273506		0.76	0.024		<0.5	3.79	1275	290	1.5	4	1.24	<0.5	16	61	400	7.82
273507		4.00	0.009		<0.5	6.08	639	470	1.7	<2	1.59	<0.5	15	114	301	4.53
273508		3.06	0.101		<0.5	7.52	559	510	1.9	2	3.68	<0.5	27	68	118	5.78
273509		2.62	0.013		<0.5	7.24	858	560	2.4	<2	2.38	<0.5	18	84	191	3.76
273510		3.94	0.008		<0.5	3.34	77	270	0.9	<2	0.89	<0.5	3	57	52	1.24
273511		3.60	0.008		<0.5	3.27	221	230	0.9	<2	0.89	<0.5	2	116	61	1.30
273512		4.04	0.138		<0.5	3.07	176	220	0.8	95	1.26	<0.5	6	60	102	2.08
273513		0.78	0.046		<0.5	8.75	259	720	2.9	5	2.17	<0.5	5	100	192	3.88
273514		1.96	0.006		<0.5	2.44	255	200	1.0	<2	2.01	<0.5	4	54	60	2.76
273515		3.58	0.027		<0.5	7.61	116	640	2.4	<2	2.41	<0.5	19	77	61	3.78
273516		1.10	0.015		<0.5	4.52	55	380	1.3	<2	2.45	<0.5	4	59	27	1.92
273517		3.28	0.045		<0.5	7.45	136	680	2.6	<2	2.16	<0.5	24	107	63	3.51
273518		2.76	<0.005		<0.5	3.23	22	270	0.9	<2	2.03	<0.5	4	49	27	2.06
273519		3.46	<0.005		<0.5	4.49	27	390	1.3	<2	1.40	<0.5	6	111	21	1.70
273520		1.98	0.014		<0.5	6.33	110	490	1.8	<2	6.51	<0.5	11	59	56	3.46
273521		0.90	0.010	0.006	<0.5	6.88	90	520	1.9	<2	5.96	<0.5	12	74	59	3.48
273522		0.98	0.020		<0.5	4.34	131	330	1.2	<2	1.46	<0.5	17	66	63	3.39
273523		1.76	0.012		<0.5	7.71	39	660	2.3	<2	0.65	<0.5	9	93	44	3.45
273524		4.18	0.009		<0.5	2.50	51	210	0.7	<2	0.66	<0.5	7	57	40	1.92
273525		2.74	0.006		<0.5	3.00	19	250	1.0	<2	1.12	<0.5	3	119	41	1.44
273526		1.96	<0.005		<0.5	2.50	66	210	0.7	<2	0.76	<0.5	1	76	58	1.27
273527		4.10	0.046		<0.5	2.05	62	160	0.5	<2	1.04	<0.5	3	102	27	1.41
273528		3.92	0.017		<0.5	4.56	59	370	1.3	11	2.10	<0.5	7	63	46	1.96
273529		3.12	<0.005		<0.5	0.29	18	10	<0.5	<2	0.03	<0.5	<1	256	6	0.38
273530		2.22	0.037		<0.5	5.49	128	370	1.6	5	5.59	0.8	11	76	47	4.06
273531		1.40	0.236		1.0	3.26	2820	110	1.0	51	4.63	7.4	49	54	303	9.63
273532		1.28	0.158		0.9	6.24	2180	150	1.7	58	4.54	0.5	36	112	102	8.22
273533		3.96	0.153		0.6	6.19	329	170	1.6	62	5.09	1.5	17	67	166	8.41
273534		3.98	0.518		1.5	4.86	2110	40	1.6	116	0.32	<0.5	28	210	218	13.25
273535		4.44	0.922		3.1	3.93	1505	50	1.5	74	0.88	<0.5	11	68	339	13.30
273536		3.60	0.264		3.3	4.04	1840	50	1.2	17	0.16	0.5	9	135	318	6.90
273537		2.92	0.200		5.1	4.41	1175	50	1.2	26	0.16	0.8	5	72	578	7.77
273538		3.58	0.442		7.0	2.76	>10000	10	0.7	36	0.25	0.8	30	200	657	8.03
273539		3.62	0.259		7.4	4.09	5150	40	1.1	24	0.24	1.3	8	101	894	5.51
273540		3.36	0.122		5.4	2.20	1450	30	0.6	14	0.11	0.8	6	329	513	6.82
273541		2.04	0.121	0.107	5.9	2.06	1405	20	0.6	18	0.10	1.1	4	108	519	5.32
273542		3.10	0.087		1.4	2.85	2130	110	0.7	4	0.06	0.7	4	304	155	3.45
273543		3.46	0.036		0.7	5.01	637	290	1.4	4	0.60	1.9	5	94	130	3.40
273544		3.88	0.076		<0.5	1.83	1215	90	0.5	2	0.20	<0.5	6	224	33	4.03
273545		3.66	0.055		0.9	3.41	488	170	0.8	2	0.69	0.5	4	121	71	3.00



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273506		<0.01	1.59	0.62	1445	<1	0.03	26	240	5	0.47	9	25	0.11	42	<10
273507		<0.01	2.78	0.96	928	1	0.05	27	390	<2	0.67	9	46	0.22	67	<10
273508		<0.01	3.45	1.66	1420	1	0.05	45	400	3	1.98	<5	118	0.29	103	10
273509		<0.01	3.24	1.24	790	<1	0.05	31	500	<2	0.68	13	76	0.29	80	<10
273510		<0.01	1.60	0.47	250	<1	0.03	9	120	9	0.63	<5	13	0.10	29	<10
273511		<0.01	1.52	0.48	292	<1	0.03	7	130	5	0.51	<5	21	0.12	29	10
273512		<0.01	1.46	0.61	364	<1	0.03	14	130	7	0.93	<5	22	0.12	27	10
273513		0.01	4.56	1.44	582	<1	0.07	26	680	13	1.39	<5	43	0.43	107	10
273514		<0.01	1.18	0.77	745	<1	0.02	9	110	2	0.48	5	43	0.08	20	<10
273515		0.01	3.96	1.69	835	<1	0.06	30	400	10	0.75	13	59	0.33	101	<10
273516		<0.01	2.23	1.12	578	<1	0.04	14	230	6	0.38	7	47	0.19	49	<10
273517		0.01	3.95	1.35	586	4	0.06	44	390	9	0.87	18	50	0.33	91	<10
273518		<0.01	1.55	0.73	665	<1	0.03	11	120	7	0.39	<5	34	0.10	24	<10
273519		0.01	2.28	0.77	389	<1	0.04	14	190	4	0.37	5	29	0.19	44	<10
273520		0.01	3.35	1.93	1085	<1	0.04	27	390	13	1.24	17	164	0.33	81	<10
273521		0.01	3.56	1.86	1010	<1	0.05	27	390	14	1.32	16	150	0.28	85	<10
273522		0.02	2.16	0.87	748	<1	0.03	27	200	10	1.18	<5	29	0.19	54	10
273523		<0.01	4.18	1.20	397	<1	0.06	23	280	8	0.75	<5	24	0.27	96	<10
273524		<0.01	1.22	0.50	297	<1	0.03	13	160	6	0.73	<5	13	0.09	24	<10
273525		<0.01	1.50	0.63	310	<1	0.02	14	150	3	0.38	<5	22	0.12	34	<10
273526		<0.01	1.22	0.47	216	<1	0.02	11	140	7	0.57	<5	11	0.09	25	<10
273527		<0.01	0.99	0.52	289	<1	0.02	11	130	3	0.64	<5	16	0.09	23	<10
273528		<0.01	2.27	0.91	371	<1	0.03	19	250	7	0.96	<5	29	0.19	51	<10
273529		<0.01	0.11	0.02	31	<1	0.01	5	20	2	0.01	<5	4	0.02	5	<10
273530		0.01	2.64	1.60	1550	<1	0.05	29	460	172	1.76	<5	86	0.28	76	10
273531		0.04	0.73	1.72	2090	2	0.13	35	370	891	7.87	20	81	0.14	59	10
273532		0.01	2.62	2.08	1160	5	0.08	60	520	326	7.20	14	62	0.25	118	10
273533		0.01	2.66	2.21	1765	2	0.09	41	480	114	7.41	45	82	0.23	113	10
273534		0.01	0.25	1.08	151	<1	0.31	38	390	160	>10.0	88	54	0.21	69	20
273535		0.01	0.36	1.04	2170	<1	0.22	24	260	218	>10.0	101	82	0.17	48	20
273536		<0.01	0.47	0.85	591	<1	0.22	20	240	84	6.71	130	35	0.15	52	10
273537		0.01	0.47	0.98	385	<1	0.27	20	260	102	7.92	302	33	0.14	54	10
273538		<0.01	0.05	0.86	462	<1	0.22	19	170	184	7.71	311	40	0.06	34	<10
273539		<0.01	0.44	1.04	1305	<1	0.25	15	360	95	4.62	433	39	0.16	48	<10
273540		0.01	0.27	0.52	1205	<1	0.13	11	220	55	5.88	178	26	0.07	30	10
273541		0.01	0.24	0.49	802	<1	0.13	7	200	61	4.92	199	24	0.08	27	<10
273542		<0.01	1.08	0.31	225	<1	0.06	14	170	69	3.11	45	12	0.13	40	<10
273543		0.01	2.38	0.73	992	<1	0.07	17	600	109	3.03	37	33	0.21	59	<10
273544		0.01	0.70	0.32	925	<1	0.04	16	170	91	3.64	5	16	0.08	25	<10
273545		<0.01	1.25	0.68	903	2	0.07	18	230	123	2.56	16	34	0.15	42	10



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273506		207
273507		89
273508		70
273509		39
273510		9
273511		9
273512		12
273513		31
273514		47
273515		22
273516		13
273517		22
273518		12
273519		7
273520		12
273521		12
273522		35
273523		24
273524		22
273525		6
273526		12
273527		7
273528		4
273529		<2
273530		182
273531		1855
273532		178
273533		418
273534		32
273535		250
273536		72
273537		88
273538		95
273539		132
273540		82
273541		79
273542		61
273543		337
273544		35
273545		110



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273546		3.90	0.038		<0.5	5.04	1830	320	1.3	3	0.58	<0.5	5	99	53	3.14
273547		3.88	0.051		0.5	2.39	1935	120	0.6	<2	0.23	<0.5	2	219	47	2.92
273548		3.64	0.030		1.1	3.78	828	250	1.0	3	1.08	0.5	7	167	80	3.26
273549		1.78	0.015		<0.5	7.11	307	650	1.8	<2	3.92	0.9	13	71	40	2.87
273550		2.32	0.008		<0.5	7.04	196	670	1.9	<2	4.91	<0.5	14	101	23	3.60
273551		3.32	0.012		<0.5	5.96	714	650	1.6	<2	5.50	<0.5	8	66	18	3.87
273552		3.82	<0.005		<0.5	6.09	282	850	1.9	<2	4.55	<0.5	13	129	33	3.26
273553		3.76	<0.005		<0.5	5.78	198	820	1.7	<2	4.21	<0.5	9	62	20	2.74
273554		4.32	<0.005		<0.5	5.17	51	470	1.5	<2	4.79	<0.5	11	102	42	2.88
273555		3.12	<0.005		<0.5	5.05	59	350	1.3	<2	0.80	<0.5	10	169	38	3.69
273556		2.04	0.066		1.5	9.08	1990	720	2.5	<2	0.23	<0.5	13	93	74	5.31
273557		0.98	0.042		0.5	9.71	741	790	2.5	<2	0.48	<0.5	9	99	90	5.61
273558		3.20	<0.005		<0.5	10.10	33	920	2.7	<2	0.10	<0.5	12	89	37	4.66
273559		3.46	<0.005		<0.5	9.48	17	830	2.5	<2	0.09	<0.5	16	90	35	4.80
273560		3.78	<0.005		<0.5	9.49	26	870	2.7	<2	0.25	<0.5	15	94	32	4.39
273561		1.66	<0.005	<0.005	<0.5	9.39	25	860	2.7	<2	0.25	<0.5	16	93	33	4.29
273562		4.02	<0.005		<0.5	9.43	26	820	2.4	<2	0.21	<0.5	15	104	42	4.80
273563		4.08	<0.005		<0.5	8.77	20	670	2.4	<2	0.35	<0.5	19	125	31	5.25
273564		3.72	<0.005		<0.5	9.26	80	770	2.4	<2	0.17	<0.5	12	102	31	4.52
273565		4.06	<0.005		<0.5	10.35	44	880	2.7	<2	0.20	<0.5	19	94	40	5.25
273566		3.88	<0.005		<0.5	9.59	33	870	2.8	2	0.24	<0.5	20	95	37	4.17
273567		3.52	<0.005		<0.5	10.05	24	940	2.9	<2	0.34	<0.5	15	90	52	4.38
273568		2.86	<0.005		<0.5	9.83	102	810	2.6	<2	0.10	<0.5	18	97	71	6.41
273569		3.18	<0.005		<0.5	9.83	32	820	2.6	<2	0.15	<0.5	16	86	35	5.58
273570		2.60	0.215		<0.5	7.26	2240	610	1.8	<2	0.60	<0.5	17	97	68	4.15
273571		1.64	<0.005		<0.5	4.99	21	650	1.4	<2	4.36	<0.5	10	55	23	2.67
273572		3.64	<0.005		<0.5	4.61	29	450	1.2	<2	4.54	<0.5	10	53	54	2.71
273573		3.16	<0.005		<0.5	7.06	25	1190	2.1	<2	3.90	<0.5	14	55	32	3.72
273574		3.32	<0.005		<0.5	7.26	21	850	2.2	<2	3.87	<0.5	14	69	49	3.36
273575		4.10	<0.005		<0.5	6.77	56	700	2.0	<2	4.41	<0.5	11	65	85	4.27
273576		2.22	0.008		<0.5	6.69	116	570	1.8	<2	3.96	<0.5	12	60	40	2.87
273577		2.96	0.188		<0.5	0.47	3860	40	<0.5	11	4.59	<0.5	3	14	27	29.8
273578		2.74	0.136		0.6	0.22	4000	20	<0.5	16	1.83	<0.5	<1	2	19	32.9
273579		1.38	0.005		<0.5	2.62	34	150	0.8	2	26.8	<0.5	5	23	20	2.08
273580		2.66	<0.005		<0.5	6.42	19	520	1.6	<2	6.46	<0.5	10	37	29	2.73
273581		0.98	<0.005	<0.005	<0.5	6.05	25	470	1.5	<2	6.89	<0.5	12	52	33	3.48
273582		3.12	<0.005		<0.5	8.11	28	600	2.2	<2	1.67	<0.5	14	64	34	3.57
273583		2.96	0.040		<0.5	7.57	130	490	2.3	3	0.64	<0.5	13	93	124	3.60
273584		3.60	0.758		0.6	1.64	>10000	40	0.5	25	0.21	<0.5	5	121	38	4.48
273585		4.34	0.476		0.8	3.81	>10000	140	1.3	56	0.96	<0.5	10	132	291	5.21



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273546		<0.01	2.24	0.88	1230	2	0.06	23	310	61	2.00	10	36	0.20	57	10
273547		<0.01	0.90	0.42	935	1	0.05	16	180	37	2.20	8	19	0.11	31	10
273548		0.01	1.62	0.95	1795	1	0.05	21	250	208	1.91	14	53	0.13	39	10
273549		0.01	3.42	2.40	1180	6	0.04	28	410	125	2.04	13	116	0.28	119	10
273550		0.01	3.40	2.97	1135	8	0.05	32	400	20	2.62	7	178	0.27	133	10
273551		<0.01	2.76	3.08	1885	2	0.05	19	400	63	2.37	11	229	0.21	120	10
273552		<0.01	3.01	2.99	2810	1	0.05	36	430	334	0.47	9	299	0.25	63	<10
273553		<0.01	2.70	3.08	1030	1	0.08	31	350	35	0.23	<5	291	0.27	58	10
273554		0.01	2.22	3.24	1110	1	0.04	28	340	9	0.18	10	351	0.24	61	<10
273555		<0.01	2.02	1.50	785	1	0.05	43	540	13	0.74	10	61	0.32	83	10
273556		<0.01	3.99	1.56	952	<1	0.08	43	430	10	0.96	12	36	0.41	79	20
273557		<0.01	4.50	1.27	803	4	0.09	61	390	27	3.22	10	35	0.16	96	10
273558		<0.01	4.93	1.33	409	1	0.09	42	400	7	1.06	14	26	0.42	96	<10
273559		<0.01	4.03	1.32	337	<1	0.08	39	370	16	1.16	13	26	0.38	88	10
273560		<0.01	4.20	1.31	243	1	0.09	43	800	5	0.77	8	36	0.45	95	<10
273561		<0.01	4.28	1.27	227	<1	0.09	47	680	12	0.81	11	34	0.43	95	10
273562		<0.01	3.70	1.39	412	4	0.08	48	520	8	0.60	8	32	0.28	90	10
273563		<0.01	3.72	1.53	578	1	0.07	60	510	4	0.55	14	34	0.26	101	<10
273564		<0.01	4.13	1.28	608	1	0.09	45	560	3	0.82	10	31	0.41	91	10
273565		<0.01	4.40	1.42	608	1	0.09	46	760	24	0.67	12	35	0.43	98	10
273566		<0.01	4.37	1.25	249	1	0.08	45	430	8	0.17	13	30	0.48	98	<10
273567		<0.01	4.34	1.31	265	3	0.08	48	490	12	0.07	6	32	0.49	102	<10
273568		<0.01	4.00	1.69	774	<1	0.08	56	450	12	0.88	6	27	0.46	92	<10
273569		<0.01	3.94	1.75	355	<1	0.07	47	450	5	0.37	10	26	0.45	97	<10
273570		<0.01	3.27	1.66	564	1	0.07	43	440	12	1.16	10	35	0.30	79	<10
273571		0.01	2.20	3.10	687	<1	0.04	25	350	12	0.06	10	232	0.25	52	<10
273572		<0.01	2.17	3.48	947	1	0.04	22	400	5	0.01	6	192	0.24	68	10
273573		0.01	3.54	2.87	885	<1	0.05	35	480	18	0.34	9	257	0.27	107	20
273574		<0.01	2.74	2.89	810	<1	0.04	35	460	18	0.03	5	164	0.30	190	<10
273575		<0.01	3.16	3.09	1620	2	0.06	33	420	8	0.42	13	178	0.26	176	<10
273576		<0.01	3.31	2.57	960	6	0.05	33	340	62	1.40	5	139	0.29	120	<10
273577		0.01	0.19	2.69	>10000	<1	0.01	7	600	26	3.70	13	104	0.01	5	10
273578		0.01	0.09	2.38	>10000	<1	0.01	5	250	14	2.37	10	38	<0.01	2	10
273579		<0.01	1.28	2.14	905	<1	0.01	11	440	9	0.70	7	750	0.10	22	<10
273580		<0.01	2.85	3.55	822	<1	0.04	20	370	25	0.17	9	396	0.24	48	<10
273581		0.01	2.98	3.74	936	<1	0.04	20	400	18	0.21	5	393	0.23	49	<10
273582		<0.01	3.75	2.15	471	1	0.05	30	390	9	0.50	9	148	0.32	71	10
273583		0.01	3.67	1.59	387	2	0.05	33	390	7	1.12	13	50	0.32	80	10
273584		<0.01	0.38	0.36	79	2	0.08	19	170	27	3.69	15	17	0.07	22	10
273585		<0.01	1.37	0.82	434	1	0.09	25	210	46	4.28	18	49	0.14	41	10



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273546		60
273547		40
273548		176
273549		245
273550		20
273551		69
273552		61
273553		42
273554		44
273555		21
273556		63
273557		41
273558		75
273559		76
273560		89
273561		80
273562		88
273563		91
273564		35
273565		69
273566		98
273567		100
273568		51
273569		48
273570		24
273571		42
273572		31
273573		50
273574		70
273575		41
273576		65
273577		32
273578		22
273579		38
273580		46
273581		56
273582		57
273583		33
273584		9
273585		28



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273586		3.94	0.575		1.1	3.63	7620	100	1.1	36	0.16	<0.5	3	126	166	3.56
273587		4.02	1.520		4.8	1.82	>10000	10	0.5	43	0.15	0.5	8	257	309	4.38
273588		2.74	0.590		<0.5	2.56	5610	50	0.9	10	0.13	<0.5	1	70	40	3.04
273589		2.46	1.135		0.6	1.89	3170	20	0.6	34	0.14	<0.5	4	216	31	6.02
273590		2.84	0.669		2.2	5.45	1860	160	1.8	21	0.17	<0.5	8	88	205	2.76
273591		3.12	0.620		33.8	3.12	864	80	0.9	62	0.10	4.1	4	179	2570	3.87
273592		3.60	0.378		0.6	1.68	3270	20	0.5	14	0.10	<0.5	2	106	31	5.17
273593		1.06	0.315		0.5	5.95	2600	130	1.4	17	0.08	<0.5	7	167	121	4.85
273594		3.40	0.493		1.2	2.13	8790	30	0.8	43	0.14	<0.5	16	95	134	6.94
273595		3.02	0.499		2.3	2.28	1555	20	0.7	23	0.16	<0.5	3	236	123	5.44
273596		3.50	1.245		5.6	1.63	8560	10	0.5	58	0.07	0.6	5	97	457	10.10
273597		1.58	0.478		5.7	6.09	1130	180	2.1	33	0.15	<0.5	6	130	567	2.83
273598		0.76	2.60		6.5	2.55	6120	10	0.8	72	0.11	<0.5	6	96	1290	12.95
273599		1.94	0.181		0.6	3.13	1290	90	1.0	7	0.26	<0.5	3	236	50	2.56
273600		1.56	1.750		<0.5	3.71	>10000	10	1.2	112	0.13	<0.5	33	112	16	5.86
273601		0.68	1.615	1.500	<0.5	3.69	>10000	30	1.3	19	0.13	<0.5	33	247	14	5.82
273602		4.20	0.039		<0.5	4.09	684	150	1.1	<2	0.77	<0.5	6	106	25	2.81
273603		1.60	0.006		<0.5	2.35	54	100	0.6	<2	0.66	<0.5	2	137	9	1.64
273604		0.92	0.009		0.5	7.83	97	380	2.3	<2	0.29	<0.5	15	82	60	4.58
273605		3.48	<0.005		<0.5	8.98	15	590	2.8	2	0.49	<0.5	17	97	54	4.40
273606		4.42	<0.005		<0.5	9.37	29	570	2.9	<2	0.24	<0.5	21	83	37	4.60
273607		4.10	<0.005		<0.5	9.27	34	500	2.7	<2	0.45	<0.5	17	81	43	4.22
273608		2.56	0.005		<0.5	1.12	11	70	<0.5	<2	35.7	<0.5	2	18	6	0.70
273609		4.26	<0.005		<0.5	9.81	54	510	2.7	<2	0.83	<0.5	19	79	40	4.28
273610		3.94	0.010		<0.5	10.05	54	520	2.6	<2	1.05	<0.5	20	74	40	4.50
273611		4.52	0.025		0.7	0.99	25	60	<0.5	<2	25.2	<0.5	1	15	342	7.52
273612		3.72	0.009		<0.5	1.29	11	70	<0.5	<2	30.8	<0.5	1	15	68	3.91
273613		3.00	<0.005		<0.5	9.70	67	520	2.5	<2	1.55	<0.5	26	80	46	3.75
273614		3.58	0.006		0.9	1.04	6	60	<0.5	<2	34.4	<0.5	1	11	20	0.93
273615		3.78	0.052		<0.5	2.97	42	150	0.6	3	19.05	<0.5	4	30	101	6.84
273616		3.78	<0.005		<0.5	1.44	<5	90	<0.5	<2	35.4	<0.5	2	14	7	0.65
273617		3.72	<0.005		<0.5	2.10	7	130	<0.5	<2	32.8	<0.5	3	20	8	0.81
273618		3.52	0.008		<0.5	2.21	9	120	0.5	<2	32.4	<0.5	2	18	9	0.84
273619		1.80	<0.005		<0.5	1.44	15	80	0.5	<2	33.8	<0.5	2	14	6	1.04
273620		3.20	<0.005		<0.5	9.93	49	510	2.5	<2	1.62	<0.5	22	66	41	3.92
273621		1.16	<0.005	<0.005	<0.5	9.73	46	500	2.5	<2	1.65	<0.5	23	73	34	4.02
273622		3.92	<0.005		<0.5	10.40	24	540	2.7	<2	0.77	<0.5	19	78	40	4.48
273623		3.78	<0.005		<0.5	10.60	33	520	2.9	<2	0.22	<0.5	21	81	34	4.41
273624		4.00	<0.005		<0.5	10.30	11	510	2.9	<2	0.12	<0.5	16	70	37	4.46
273625		3.92	<0.005		<0.5	10.30	18	510	2.7	<2	0.22	<0.5	21	81	44	4.51



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Hg ppm 0.01	K % 0.01	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 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10
273586		<0.01	1.16	0.49	40	2	0.11	21	630	36	3.35	48	17	0.15	43	10
273587		0.01	0.06	0.55	122	1	0.15	14	170	54	3.07	160	19	0.09	24	<10
273588		<0.01	0.73	0.46	45	1	0.11	13	190	16	2.95	14	15	0.12	35	10
273589		<0.01	0.30	0.43	126	<1	0.11	16	190	46	6.34	13	15	0.07	25	<10
273590		0.01	2.30	0.48	60	1	0.07	16	300	5	2.71	83	24	0.22	64	10
273591		0.09	1.24	0.30	1350	1	0.05	11	190	158	2.90	1675	16	0.14	40	<10
273592		<0.01	0.30	0.32	160	2	0.08	12	170	28	5.40	20	14	0.07	23	10
273593		<0.01	1.88	0.58	56	1	0.14	24	290	34	4.76	13	28	0.19	65	10
273594		<0.01	0.37	0.45	120	1	0.11	15	180	47	6.96	36	16	0.08	28	<10
273595		0.01	0.27	0.56	98	1	0.15	14	200	17	5.55	38	18	0.09	32	10
273596		0.01	0.09	0.42	69	<1	0.12	15	130	62	>10.0	239	12	0.04	21	<10
273597		0.01	2.36	0.65	72	1	0.11	20	320	15	2.74	174	27	0.27	70	10
273598		0.01	0.23	0.60	33	1	0.18	16	140	82	>10.0	306	17	0.08	33	10
273599		<0.01	1.24	0.35	47	1	0.06	18	830	8	2.50	14	24	0.16	44	10
273600		<0.01	0.11	1.01	85	1	0.30	20	290	41	5.04	21	28	0.13	42	<10
273601		<0.01	0.32	0.92	50	1	0.26	28	290	16	4.96	12	26	0.15	48	10
273602		<0.01	1.82	1.06	2750	2	0.04	15	1100	18	0.58	9	66	0.19	48	10
273603		<0.01	1.07	0.67	896	<1	0.03	10	190	4	0.20	6	35	0.11	34	10
273604		<0.01	3.37	1.50	1785	2	0.11	39	510	22	2.36	9	58	0.32	86	10
273605		<0.01	4.01	1.67	759	<1	0.09	42	670	10	0.12	6	85	0.42	94	<10
273606		<0.01	3.95	1.36	623	2	0.10	50	670	14	0.05	5	65	0.49	113	10
273607		<0.01	3.95	1.19	1000	<1	0.10	45	550	31	0.07	6	70	0.40	101	<10
273608		<0.01	0.48	0.58	216	1	0.02	5	360	6	0.5	8	1885	0.04	11	<10
273609		<0.01	4.09	1.33	709	1	0.11	43	620	4	0.53	11	98	0.34	97	<10
273610		<0.01	4.38	1.54	1110	1	0.12	44	370	19	0.93	8	146	0.33	102	<10
273611		<0.01	0.44	2.87	6270	<1	0.02	2	270	13	0.54	8	700	0.02	9	10
273612		<0.01	0.56	1.46	2990	<1	0.02	5	400	14	0.52	8	1595	0.04	12	10
273613		<0.01	4.46	1.36	1055	2	0.11	45	420	6	1.07	23	158	0.35	99	10
273614		<0.01	0.47	1.39	772	<1	0.02	4	320	12	<0.01	5	1475	0.03	9	10
273615		<0.01	1.28	2.50	5430	<1	0.05	9	150	10	1.16	11	725	0.08	27	<10
273616		<0.01	0.62	0.57	145	<1	0.03	5	270	11	0.6	5	2040	0.05	13	10
273617		<0.01	0.84	0.75	146	<1	0.03	6	220	11	0.78	<5	1825	0.07	18	<10
273618		<0.01	0.77	0.65	171	<1	0.03	8	290	11	0.80	6	1860	0.07	20	10
273619		<0.01	0.61	1.34	828	<1	0.02	7	330	15	0.5	5	1665	0.04	12	<10
273620		<0.01	4.46	1.69	1265	2	0.13	42	340	10	0.54	13	230	0.31	98	10
273621		<0.01	4.36	1.67	1325	2	0.12	45	330	16	0.63	13	224	0.32	97	10
273622		<0.01	4.43	1.64	976	1	0.13	39	500	17	0.31	<5	136	0.34	107	10
273623		<0.01	4.23	1.38	469	<1	0.12	49	330	15	0.32	5	77	0.35	105	10
273624		<0.01	4.03	1.30	913	1	0.11	45	350	20	0.03	5	63	0.39	104	<10
273625		<0.01	3.97	1.28	680	1	0.11	44	430	97	0.13	<5	70	0.39	103	10



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273586		14
273587		56
273588		8
273589		7
273590		11
273591		507
273592		12
273593		29
273594		26
273595		25
273596		64
273597		34
273598		97
273599		7
273600		5
273601		5
273602		16
273603		6
273604		9
273605		69
273606		87
273607		106
273608		17
273609		63
273610		93
273611		21
273612		16
273613		45
273614		16
273615		17
273616		13
273617		22
273618		29
273619		36
273620		89
273621		81
273622		78
273623		92
273624		115
273625		243



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
273626		3.86	<0.005		<0.5	10.45	31	510	2.7	<2	0.16	<0.5	22	75	34	4.77
273627		3.88	<0.005		<0.5	10.35	11	520	2.8	<2	0.14	<0.5	20	81	38	4.79
273628		4.10	<0.005		<0.5	10.30	44	520	2.8	<2	0.24	<0.5	18	70	64	4.66



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
273626		<0.01	4.01	1.31	971	<1	0.10	48	370	16	0.05	5	55	0.39	104	<10
273627		<0.01	4.06	1.29	1255	1	0.11	49	420	11	0.13	6	58	0.42	106	10
273628		<0.01	4.06	1.27	951	1	0.11	44	970	4	0.38	5	70	0.43	104	<10



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CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR
273626 273627 273628	ME-ICP61 Zn ppm 2 118 82 63



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QC CERTIFICATE VA04052903

Project: Hyland 1744

P.O. No.:

This report is for 123 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 9-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: ACCOUNTS PAYABLE
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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: 

Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
		%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
STANDARDS																
G2000																
G2000																
G2000																
G2000																
G2000		1.32	0.78	609	5	0.15	295	1000	720	0.28	36	122	0.36	110	<10	1375
G2000		1.32	0.78	574	4	0.15	285	960	683	0.26	29	120	0.35	108	20	1290
G2000		1.23	0.75	566	5	0.13	275	950	670	0.26	41	115	0.34	106	20	1220
G2000		1.27	0.78	579	6	0.14	284	960	693	0.27	36	122	0.36	109	20	1275
G2000		1.30	0.79	579	7	0.14	294	990	721	0.28	38	122	0.36	113	20	1330
G2000																
Target Range - Lower Bound		1.16	0.67	506	4	0.13	256	840	601	0.23	24	103	0.31	96	<10	1130
Upper Bound		1.44	0.85	630	8	0.18	316	1050	739	0.30	40	129	0.40	120	20	1385
GS01-2		1.82	1.76	2440	1220	2.69	4150	1360	258	1.22	761	759	0.32	224	10	3740
GS01-2		1.84	1.76	2290	1200	2.70	4210	1310	273	1.18	747	737	0.31	221	20	3760
GS01-2		1.85	1.83	2460	1270	2.76	4410	1410	268	1.27	779	754	0.33	231	40	3780
GS01-2		1.92	1.88	2470	1320	2.72	4510	1420	280	1.25	776	793	0.33	238	20	3940
GS01-2		1.87	1.85	2520	1275	2.80	4500	1420	275	1.28	796	764	0.33	236	20	3940
Target Range - Lower Bound		1.65	1.56	2160	1140	2.48	3770	1210	231	1.12	656	668	0.28	197	20	3470
Upper Bound		2.03	1.92	2650	1395	3.06	4610	1510	287	1.39	812	818	0.37	243	50	4240
JWB-JV-1																
JWB-JV-1																
JWB-JV-1																
JWB-JV-1																
JWB-JV-1																
Target Range - Lower Bound																
Upper Bound																
MER-03																
MER-03																
MER-03																
MER-03																
MER-03																
MER-03																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS VA04052903

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
Sample Description																
STANDARDS																
OXK18	3.63															
OXK18	3.67															
OXK18	3.39	3.39														
OXK18	3.32															
OXK18	3.45															
OXK18	3.45															
Target Range - Lower Bound	3.22	3.22														
Upper Bound	3.71	3.71														
SI15	1.955															
Target Range - Lower Bound	1.675															
Upper Bound	1.935															
BLANKS																
BLANK	<0.005															
BLANK	<0.005															
BLANK	<0.005	<0.005														
BLANK																<0.01
BLANK																<0.01
BLANK																<0.01
BLANK																<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	1	<0.01		
BLANK	<0.005															
BLANK	<0.005															
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	1	<0.01		
BLANK			<0.5	<0.01	5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01		
BLANK	<0.005															
BLANK																<0.01
Target Range - Lower Bound	<0.005	<0.005	<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<0.01	
Upper Bound	0.010	0.010	1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	0.02	

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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04052903

	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
Sample Description	LOR	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
OXX18 OXX18 OXX18 OXX18 OXX18 Target Range - Lower Bound Upper Bound SI15 Target Range - Lower Bound Upper Bound BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK BLANK Target Range - Lower Bound Upper Bound	STANDARDS															
	BLANKS															



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QC CERTIFICATE OF ANALYSIS VA04052903

Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01
Sample Description															
	DUPLICATES														
ORIGINAL			<0.5	5.87	688	1060	1.6	<2	3.57	<0.5	16	172	51	3.82	
DUP			<0.5	5.78	693	1040	1.7	<2	3.57	<0.5	15	159	52	3.82	
Target Range - Lower Bound			<0.5	5.51	646	980	0.6	<2	3.37	<0.5	13	155	47	3.61	
Upper Bound			1.0	6.14	735	1120	2.7	4	3.77	1.0	18	176	56	4.03	
ORIGINAL	0.012														
DUP	0.012														
Target Range - Lower Bound	<0.005														
Upper Bound	0.023														
ORIGINAL															0.03
DUP															0.06
Target Range - Lower Bound															0.02
Upper Bound															0.07
ORIGINAL	0.010														
DUP	<0.005														
Target Range - Lower Bound	<0.005														
Upper Bound	0.010														
ORIGINAL	3.77														
DUP	3.23														
Target Range - Lower Bound	3.32														
Upper Bound	3.69														
ORIGINAL	0.046														
DUP	0.078														
Target Range - Lower Bound	0.049														
Upper Bound	0.075														
273517															0.01
DUP															0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
273518			<0.5	3.23	22	270	0.9	<2	2.03	<0.5	4	49	27	2.06	
DUP			<0.5	2.94	33	250	0.8	<2	1.87	<0.5	6	44	23	1.90	
Target Range - Lower Bound			<0.5	2.91	16	230	<0.5	<2	1.83	<0.5	3	42	22	1.86	
Upper Bound			1.0	3.26	39	290	1.0	4	2.07	1.0	7	51	28	2.10	



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QC CERTIFICATE OF ANALYSIS VA04052903

Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
Sample Description	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
ORIGINAL	2.44	2.26	561	2	0.03	92	1490	<2	1.86	19	152	0.56	136	<10	131
DUP	2.44	2.23	561	2	0.02	92	1480	2	1.88	17	150	0.56	136	<10	130
Target Range - Lower Bound	2.30	2.11	523	<1	<0.01	85	1390	<2	1.76	7	141	0.51	127	<10	120
Upper Bound	2.58	2.38	599	4	0.05	99	1580	4	1.98	29	161	0.61	145	20	141
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
273517															
DUP															
Target Range - Lower Bound															
Upper Bound															
273518	1.55	0.73	665	<1	0.03	11	120	7	0.39	<5	34	0.10	24	<10	12
DUP	1.40	0.66	610	<1	0.03	10	120	<2	0.35	<5	31	0.09	22	<10	10
Target Range - Lower Bound	1.38	0.64	596	<1	<0.01	8	90	<2	0.33	<5	29	0.07	20	<10	6
Upper Bound	1.57	0.75	679	2	0.05	13	150	9	0.41	10	36	0.12	26	20	16



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QC CERTIFICATE OF ANALYSIS VA04052903

Sample Description	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
273621 DUP Target Range - Lower Bound Upper Bound		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
DUPLICATES																
273625 DUP Target Range - Lower Bound Upper Bound																
273626 DUP Target Range - Lower Bound Upper Bound		4.01 3.98 3.78 4.21	1.31 1.31 1.22 1.40	971 991 922 1040	<1 1 <1 2	0.10 0.10 0.08 0.13	48 48 44 52	370 370 330 410	16 23 15 24	0.05 0.04 0.02 0.07	5 5 5 10	55 54 50 59	0.39 0.38 0.35 0.42	104 105 97 112	<10 <10 <10 20	118 108 103 123



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Finalized Date: 29-AUG-2004

Account: STRGOL

CERTIFICATE VA04053504

Project: Hyland

P.O. No.:

This report is for 160 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
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VANCOUVER BC V6C 2B3

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:

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CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg 0.02	Au ppm 0.005	Au ppm 0.005	Ag ppm 0.5	Al % 0.01	As ppm 5	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
273629		2.60	0.096		3.5	1.42	>10000	100	<0.5	106	0.16	<0.5	6	20	186	10.95
273630		4.34	0.005		0.6	1.18	1285	40	0.5	2	1.35	0.6	8	14	124	4.10
273631		2.96	<0.005		<0.5	1.48	662	50	0.5	<2	1.28	<0.5	8	61	81	2.61
273632		2.40	<0.005		<0.5	10.70	517	410	2.6	<2	0.12	<0.5	17	69	118	4.25
273633		1.98	0.005		<0.5	9.30	127	550	2.4	<2	0.12	<0.5	18	74	87	4.43
273634		1.10	<0.005		<0.5	9.37	114	630	2.5	<2	0.14	<0.5	19	66	32	4.79
273635		3.18	0.029		<0.5	9.62	247	670	2.6	4	0.11	<0.5	18	84	51	4.13
273636		6.12	0.021		<0.5	8.48	161	590	2.2	3	0.31	<0.5	23	66	59	4.55
273637		5.52	0.008		<0.5	7.82	212	660	2.2	<2	0.68	<0.5	13	58	36	3.57
273638		5.22	0.006		<0.5	7.94	77	590	2.2	17	0.76	<0.5	12	54	40	3.75
273639		3.32	0.041		<0.5	8.61	863	630	2.4	50	0.65	<0.5	15	67	64	3.75
273640		2.72	0.077		0.5	2.26	532	50	0.5	6	0.03	<0.5	5	31	43	3.28
273641		1.28	0.071	0.064	<0.5	2.56	644	60	0.6	5	0.04	<0.5	6	69	27	2.85
273642		2.36	0.067		0.7	8.22	752	530	2.2	6	0.36	<0.5	14	57	170	4.25
273643		4.94	0.098		1.0	3.89	947	190	1.0	13	0.06	<0.5	9	55	120	4.04
273644		4.86	0.047		<0.5	2.46	822	90	0.6	128	0.05	<0.5	6	38	44	2.20
273645		5.28	0.055		<0.5	4.25	742	200	1.0	23	0.06	<0.5	10	61	49	3.54
273646		5.62	0.109		0.5	3.88	2190	170	0.9	223	0.06	<0.5	9	37	56	4.40
273647		6.84	0.018		2.6	2.26	3980	60	0.5	417	0.04	<0.5	8	64	168	6.09
273648		2.56	0.202		<0.5	2.56	1140	40	0.6	8	0.07	<0.5	6	41	59	1.80
273649		3.56	0.055		<0.5	2.67	419	50	0.6	13	0.06	<0.5	7	56	73	2.76
273650		3.16	0.033		<0.5	1.45	332	10	<0.5	2	0.05	<0.5	4	39	35	2.16
273651		3.52	0.028		<0.5	2.06	205	40	0.5	2	0.05	<0.5	3	87	36	1.88
273652		2.96	0.058		<0.5	1.95	261	40	0.5	5	0.05	<0.5	3	31	47	2.33
273653		3.04	0.260		<0.5	6.95	923	290	1.9	31	0.14	<0.5	8	74	29	3.62
273654		0.90	0.581		1.2	5.73	2650	80	2.1	66	0.19	<0.5	23	96	54	8.60
273655		2.26	0.121		<0.5	7.39	1310	310	1.8	25	0.93	<0.5	34	124	95	5.58
273656		3.02	0.045		<0.5	8.57	323	660	2.1	37	1.05	<0.5	5	100	124	2.93
273657		3.96	0.067		<0.5	7.94	168	700	2.0	7	1.04	<0.5	13	112	77	3.07
273658		3.48	0.052		<0.5	9.34	224	850	2.4	<2	1.42	<0.5	11	89	87	3.00
273659		3.44	0.081		<0.5	7.63	300	680	1.9	14	1.56	<0.5	11	96	232	3.69
273660		3.76	0.066		<0.5	8.40	314	780	2.1	9	1.60	<0.5	15	104	54	3.47
273661		1.58	0.065	0.063	<0.5	7.74	299	740	2.1	10	1.46	<0.5	14	106	67	3.92
273662		0.84	0.091		<0.5	6.25	136	590	1.6	2	1.60	<0.5	5	79	54	2.39
273663		5.28	0.048		<0.5	9.69	92	900	2.6	<2	1.38	<0.5	6	89	67	2.99
273664		3.62	0.056		<0.5	4.12	1230	230	0.9	14	0.25	<0.5	13	86	57	2.36
273665		1.88	0.073		<0.5	6.29	1400	460	1.4	15	0.78	<0.5	10	142	59	2.32
273666		1.98	0.029		<0.5	10.25	188	850	2.8	3	1.16	<0.5	10	101	100	3.05
273667		3.66	0.062		<0.5	9.03	265	710	2.3	19	0.96	<0.5	14	133	56	3.76
273668		2.82	0.244		<0.5	5.56	1520	170	1.2	103	0.25	<0.5	23	114	38	13.50



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273629	0.04	0.49	0.28	352	3	0.08	4	1170	814	0.60	264	325	0.05	21	10
273630	<0.01	0.38	0.61	952	1	0.01	9	210	10	0.06	6	33	0.04	11	10
273631	<0.01	0.56	0.57	884	1	0.02	11	150	10	0.08	5	41	0.04	14	<10
273632	<0.01	4.85	0.90	142	<1	0.14	46	670	14	0.03	10	51	0.30	113	10
273633	0.01	4.02	1.16	547	<1	0.11	41	560	6	0.05	<5	233	0.32	109	<10
273634	<0.01	4.49	1.18	674	<1	0.13	27	570	5	0.09	6	195	0.37	106	10
273635	<0.01	4.30	0.82	257	4	0.13	44	530	3	0.71	18	143	0.40	108	10
273636	<0.01	3.73	1.25	503	<1	0.11	38	680	2	0.94	9	106	0.32	91	20
273637	<0.01	3.64	1.22	684	<1	0.10	24	420	5	0.39	11	96	0.32	78	10
273638	<0.01	3.61	1.62	743	<1	0.12	27	480	<2	0.45	7	110	0.36	78	10
273639	<0.01	4.10	1.23	816	<1	0.11	29	490	41	0.93	14	64	0.29	90	10
273640	<0.01	0.47	0.41	18	<1	0.11	11	90	25	3.25	13	17	0.10	30	10
273641	<0.01	0.52	0.47	24	<1	0.13	9	110	22	2.68	8	21	0.12	34	10
273642	<0.01	3.97	0.78	721	<1	0.10	27	340	14	3.41	14	53	0.26	96	10
273643	<0.01	1.42	0.45	227	<1	0.09	16	250	29	3.77	8	19	0.16	46	<10
273644	0.01	0.73	0.35	43	<1	0.08	10	180	36	1.96	23	13	0.12	32	10
273645	<0.01	1.74	0.36	26	<1	0.06	15	250	17	3.65	10	15	0.18	51	10
273646	<0.01	1.57	0.32	14	<1	0.06	13	280	35	4.53	23	17	0.17	47	10
273647	0.08	0.60	0.31	10	<1	0.08	12	190	258	6.47	93	14	0.07	28	10
273648	<0.01	0.42	0.45	31	<1	0.12	5	310	14	1.52	19	15	0.13	33	10
273649	<0.01	0.54	0.49	13	<1	0.12	11	230	22	2.77	9	17	0.11	33	10
273650	<0.01	0.06	0.37	23	<1	0.11	6	190	16	2.00	6	11	0.06	18	10
273651	<0.01	0.39	0.38	21	1	0.10	7	170	13	1.68	<5	12	0.10	27	10
273652	<0.01	0.36	0.32	78	<1	0.08	10	170	24	1.98	6	14	0.08	24	10
273653	<0.01	2.60	0.61	107	<1	0.14	18	300	24	3.42	15	25	0.25	74	20
273654	<0.01	0.78	1.05	168	1	0.29	35	250	27	8.20	15	32	0.21	66	20
273655	<0.01	3.05	0.92	440	<1	0.12	50	270	3	5.65	12	33	0.19	75	10
273656	<0.01	3.75	0.99	373	<1	0.12	27	330	7	2.32	<5	39	0.30	97	10
273657	<0.01	3.75	0.97	354	<1	0.10	33	260	<2	2.01	<5	38	0.28	86	10
273658	<0.01	4.45	1.16	525	<1	0.10	42	290	2	1.76	10	44	0.32	96	10
273659	<0.01	3.59	1.17	569	<1	0.10	50	270	<2	2.33	12	45	0.24	77	10
273660	<0.01	3.93	1.13	348	<1	0.09	34	310	2	2.49	6	55	0.30	92	20
273661	<0.01	3.71	1.07	321	<1	0.10	37	300	<2	3.10	7	51	0.29	88	10
273662	<0.01	2.94	0.97	342	1	0.06	27	250	5	1.32	5	51	0.19	67	10
273663	<0.01	4.75	1.06	293	2	0.10	34	300	<2	1.85	6	67	0.30	99	10
273664	<0.01	1.58	0.39	124	<1	0.07	13	180	<2	1.36	<5	12	0.14	29	10
273665	<0.01	2.83	0.62	217	<1	0.06	20	200	<2	1.41	6	29	0.19	59	10
273666	<0.01	4.72	1.02	299	1	0.10	42	360	<2	2.08	8	72	0.35	124	20
273667	<0.01	3.96	0.83	224	1	0.09	38	360	2	3.60	5	50	0.32	119	20
273668	<0.01	1.68	0.66	46	2	0.17	47	300	7	>10.0	10	18	0.19	80	20



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CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273629		99
273630		156
273631		92
273632		96
273633		92
273634		40
273635		20
273636		27
273637		36
273638		21
273639		64
273640		4
273641		4
273642		21
273643		17
273644		5
273645		4
273646		3
273647		6
273648		116
273649		3
273650		5
273651		3
273652		19
273653		16
273654		25
273655		3
273656		2
273657		4
273658		2
273659		3
273660		<2
273661		<2
273662		2
273663		<2
273664		6
273665		<2
273666		<2
273667		<2
273668		<2



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273669		2.08	0.471		<0.5	2.38	3250	110	0.5	244	0.05	<0.5	66	263	30	20.9
273670		2.92	0.138		<0.5	5.48	597	250	1.3	75	0.12	<0.5	40	114	22	11.30
273671		2.52	0.277		<0.5	5.51	930	200	1.6	58	0.12	<0.5	40	124	56	14.25
273672		2.90	0.163		<0.5	6.51	928	210	1.7	19	0.12	<0.5	23	177	43	7.40
273673		1.96	0.043		0.7	2.40	581	90	0.6	13	0.04	<0.5	4	135	55	2.05
273674		1.50	0.058		<0.5	9.28	143	500	2.5	10	1.37	<0.5	5	118	233	3.40
273675		4.06	0.059		<0.5	2.73	560	150	0.7	35	0.12	<0.5	2	121	106	2.20
273676		1.72	0.240		<0.5	2.67	>10000	160	0.6	50	0.05	<0.5	14	246	116	2.91
273677		1.42	0.097		<0.5	9.17	226	710	2.6	<2	1.50	<0.5	8	77	267	4.95
273678		1.34	0.154		<0.5	4.09	1475	260	1.1	20	0.55	<0.5	7	180	189	4.19
273679		3.08	0.414		<0.5	2.44	9420	100	0.6	111	0.61	<0.5	10	103	205	6.79
273680		3.36	0.030		<0.5	3.91	1690	250	1.1	8	0.11	<0.5	3	190	122	1.78
273681		1.28	0.017	0.011	<0.5	3.40	881	220	1.0	12	0.07	<0.5	3	134	133	1.69
273682		3.72	0.129		0.6	3.62	1415	170	0.9	84	0.19	0.6	5	184	437	4.71
273683		2.64	0.173		<0.5	6.16	2990	290	1.6	44	1.28	<0.5	5	107	455	4.75
273684		3.78	0.129		<0.5	4.60	1130	210	1.0	56	1.46	<0.5	11	165	336	4.31
273685		3.32	0.179		<0.5	6.04	611	300	1.4	124	2.44	<0.5	4	78	547	9.22
273686		3.28	0.095		<0.5	4.74	501	230	1.0	8	1.23	<0.5	2	154	607	4.37
273687		1.72	0.026		<0.5	7.14	821	480	1.6	9	1.45	<0.5	4	83	228	3.09
273688		1.82	0.615		0.6	2.11	>10000	40	0.5	233	0.19	<0.5	51	279	246	12.40
273689		3.28	0.025		<0.5	2.98	368	170	0.6	5	0.72	<0.5	2	105	160	1.89
273690		2.88	0.058		<0.5	4.06	328	210	0.8	11	0.23	<0.5	1	195	291	3.46
273691		4.00	0.079		<0.5	5.44	719	330	1.3	17	3.31	<0.5	9	82	209	4.47
273692		2.48	0.041		<0.5	5.09	846	340	1.2	26	1.89	<0.5	8	82	118	3.64
273693		1.82	0.079		<0.5	3.25	709	170	0.7	33	0.47	<0.5	6	223	102	5.24
273694		1.52	0.009		<0.5	6.87	61	470	1.7	7	2.25	<0.5	7	104	147	3.16
273695		3.40	0.019		<0.5	2.87	717	200	0.6	6	0.71	<0.5	5	203	67	1.50
273696		1.32	0.025		<0.5	5.52	76	470	1.6	<2	0.95	<0.5	11	186	77	3.17
273697		1.84	0.886		2.8	2.01	1230	60	0.5	202	0.03	<0.5	4	158	325	12.15
273698		2.12	0.294		<0.5	1.89	467	80	0.5	46	0.03	<0.5	3	304	45	6.30
273699		1.22	0.633		<0.5	2.75	>10000	20	0.7	78	0.06	<0.5	36	137	25	7.01
273700		1.82	0.165		<0.5	2.57	5550	130	0.6	142	0.03	<0.5	12	224	39	2.94
273701		0.74	0.212	0.229	<0.5	2.73	8780	140	0.6	574	0.02	<0.5	21	130	50	3.20
273702		1.94	0.071		<0.5	2.75	1465	150	0.6	166	0.05	<0.5	12	204	36	1.83
273703		3.16	0.095		<0.5	3.48	157	220	1.0	289	0.18	<0.5	1	99	72	2.40
273704		2.04	0.604		<0.5	3.13	222	130	0.9	42	0.06	<0.5	1	208	25	3.33
273705		1.96	0.041		0.5	6.10	396	370	1.7	35	1.71	1.8	12	82	156	3.99
273706		2.04	0.009		<0.5	5.25	45	350	1.5	<2	1.30	<0.5	9	129	33	3.28
273707		2.34	<0.005		<0.5	6.69	22	460	2.0	<2	1.28	<0.5	15	78	46	3.94
273708		2.20	0.035		<0.5	2.57	840	180	0.7	76	0.77	<0.5	4	162	85	1.97



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273669	<0.01	0.86	0.20	7	2	0.05	21	180	11	>10.0	24	6	0.11	40	10
273670	<0.01	2.32	0.34	16	3	0.05	36	450	2	>10.0	8	11	0.24	85	10
273671	<0.01	1.61	0.63	16	2	0.16	40	440	8	>10.0	10	16	0.24	86	20
273672	<0.01	1.61	0.80	156	1	0.23	29	310	<2	7.25	10	18	0.24	72	20
273673	<0.01	0.85	0.17	69	3	0.04	10	100	2	1.66	13	7	0.08	17	10
273674	<0.01	4.21	1.01	374	<1	0.07	21	380	<2	2.04	13	76	0.38	80	20
273675	<0.01	0.99	0.31	85	2	0.07	14	120	4	1.36	<5	9	0.11	27	10
273676	<0.01	1.04	0.21	62	1	0.05	11	110	5	1.96	11	6	0.10	24	10
273677	<0.01	4.66	1.38	426	1	0.07	23	270	<2	3.19	6	30	0.31	114	10
273678	<0.01	1.74	0.37	241	1	0.03	16	270	7	3.46	7	16	0.11	31	10
273679	0.01	0.91	0.35	402	2	0.04	13	90	38	6.40	24	20	0.08	23	10
273680	<0.01	1.73	0.22	66	1	0.02	9	220	7	1.38	7	7	0.15	39	10
273681	<0.01	1.50	0.19	61	2	0.02	7	150	2	1.25	8	4	0.14	33	10
273682	<0.01	1.39	0.33	103	1	0.05	18	190	50	4.86	31	8	0.15	36	10
273683	0.01	2.59	0.85	484	1	0.06	22	270	26	4.35	47	30	0.27	71	10
273684	<0.01	1.78	0.88	656	1	0.06	19	270	20	4.13	46	19	0.18	51	20
273685	0.01	2.65	1.48	452	2	0.07	21	400	17	>10.0	47	28	0.22	74	10
273686	<0.01	1.75	0.93	266	1	0.09	18	260	17	4.19	23	20	0.17	57	10
273687	<0.01	3.20	1.04	365	1	0.07	19	340	4	2.00	9	27	0.25	87	10
273688	<0.01	0.32	0.41	83	1	0.10	28	140	85	>10.0	29	11	0.08	25	10
273689	<0.01	1.30	0.39	233	1	0.02	12	180	4	1.31	6	11	0.12	36	10
273690	<0.01	1.74	0.25	72	<1	0.03	12	200	4	3.52	15	6	0.17	48	10
273691	<0.01	2.37	1.22	1180	5	0.04	22	230	11	2.16	9	59	0.24	62	10
273692	<0.01	2.20	0.93	585	2	0.05	19	200	2	2.38	7	35	0.18	56	10
273693	<0.01	1.22	0.39	140	<1	0.06	22	150	13	5.42	5	15	0.11	38	10
273694	<0.01	3.23	1.26	830	<1	0.05	18	250	3	0.98	<5	49	0.30	83	20
273695	<0.01	1.26	0.37	211	<1	0.03	11	140	3	0.81	<5	20	0.13	35	10
273696	<0.01	2.51	0.61	658	1	0.04	29	280	<2	1.12	<5	33	0.19	73	10
273697	0.03	0.52	0.29	31	<1	0.07	11	60	12	>10.0	97	4	0.04	15	<10
273698	<0.01	0.79	0.12	33	<1	0.03	9	80	7	6.50	7	3	0.06	14	10
273699	<0.01	0.09	0.75	32	2	0.20	20	70	12	6.21	12	13	0.05	20	10
273700	<0.01	1.10	0.18	26	1	0.03	10	70	6	2.65	12	4	0.05	13	<10
273701	<0.01	1.20	0.17	30	2	0.03	15	60	19	2.73	29	3	0.06	14	10
273702	<0.01	1.28	0.14	28	1	0.02	9	120	9	1.60	14	3	0.06	14	120
273703	<0.01	1.69	0.28	79	2	0.02	9	110	12	2.20	18	5	0.12	30	<10
273704	<0.01	1.42	0.18	34	1	0.02	14	130	7	3.38	6	4	0.11	29	10
273705	0.01	2.81	0.93	661	2	0.05	27	280	113	2.13	<5	57	0.28	74	<10
273706	<0.01	2.29	0.79	831	1	0.04	19	230	9	0.50	9	48	0.25	56	10
273707	0.01	3.03	1.10	863	2	0.04	24	350	18	0.63	8	60	0.36	76	10
273708	0.04	1.11	0.45	277	1	0.04	9	90	10	1.02	6	19	0.11	25	10

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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273669		2
273670		<2
273671		4
273672		22
273673		15
273674		15
273675		6
273676		6
273677		17
273678		34
273679		22
273680		11
273681		12
273682		122
273683		30
273684		17
273685		4
273686		30
273687		30
273688		31
273689		13
273690		11
273691		34
273692		14
273693		3
273694		15
273695		5
273696		14
273697		15
273698		7
273699		6
273700		5
273701		5
273702		4
273703		6
273704		6
273705		438
273706		47
273707		74
273708		9



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CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273709		2.46	<0.005		<0.5	6.97	17	520	2.1	<2	0.92	<0.5	14	84	40	3.62
273710		3.60	0.024		<0.5	3.52	60	240	1.0	3	1.16	<0.5	4	156	50	2.10
273711		2.50	0.006		<0.5	3.93	21	260	1.1	8	1.17	<0.5	5	88	100	2.64
273712		3.10	0.008		<0.5	8.63	9	660	2.7	<2	0.57	<0.5	23	108	63	4.83
273713		2.88	0.008		<0.5	7.75	40	600	2.2	2	1.38	<0.5	20	78	71	4.86
273714		3.82	0.010		<0.5	7.72	43	540	2.1	<2	1.92	<0.5	16	97	56	3.88
273715		2.96	0.007		<0.5	7.03	58	490	1.9	<2	2.36	<0.5	14	76	68	3.37
273716		2.82	0.011		<0.5	1.94	79	130	0.5	3	0.67	0.6	1	194	55	1.56
273717		0.84	0.047		<0.5	3.33	198	210	0.9	4	0.24	<0.5	2	114	150	3.88
273718		1.18	0.006		<0.5	5.78	90	460	1.7	<2	0.19	<0.5	17	138	52	3.82
273719		1.42	0.006		<0.5	6.87	24	620	2.0	<2	0.17	<0.5	24	72	58	3.72
273720		2.56	0.005		<0.5	6.74	50	560	1.9	<2	1.66	<0.5	17	84	79	3.93
273721		1.20	0.006	0.006	<0.5	6.71	66	540	1.8	<2	1.94	<0.5	15	85	78	4.02
273722		2.02	0.119		<0.5	4.01	107	250	0.9	14	1.29	<0.5	3	154	284	2.43
273723		1.22	0.111		<0.5	5.27	619	270	1.0	<2	2.19	0.7	8	94	606	5.61
273724		2.64	0.034		<0.5	5.12	874	300	1.2	3	0.61	<0.5	8	134	191	2.74
273725		0.76	0.367		<0.5	2.24	>10000	110	0.5	23	0.03	<0.5	105	148	232	7.31
273726		1.78	0.059		<0.5	2.59	226	150	0.6	30	0.21	<0.5	4	234	122	5.02
273727		3.62	<0.005		<0.5	2.30	6	180	0.6	<2	1.01	<0.5	1	86	15	1.15
273728		3.68	0.016		<0.5	2.39	19	160	0.6	<2	0.68	<0.5	2	162	15	1.06
273729		3.66	<0.005		<0.5	3.07	16	210	0.8	<2	0.89	<0.5	4	25	37	1.43
273730		3.24	<0.005		<0.5	3.55	17	210	1.0	<2	0.97	<0.5	5	62	18	2.47
273731		4.02	<0.005		<0.5	8.55	36	590	3.2	<2	0.19	<0.5	18	72	47	4.64
273732		3.82	0.008		<0.5	8.87	58	690	3.2	<2	0.35	<0.5	19	78	41	4.91
273733		2.02	0.014		0.5	4.61	24	350	1.2	<2	1.47	<0.5	5	33	74	2.66
273734		2.14	0.029		<0.5	8.45	48	670	2.4	<2	2.92	<0.5	12	75	134	4.47
273735		2.62	0.012		2.0	8.06	19	600	2.9	<2	1.08	<0.5	18	76	70	4.38
273736		1.44	0.009		<0.5	7.61	49	480	2.1	<2	3.61	<0.5	32	73	60	4.41
273737		3.96	0.005		<0.5	8.25	26	560	2.6	2	1.56	<0.5	20	69	64	4.86
273738		4.38	<0.005		<0.5	8.28	35	600	3.0	<2	0.52	<0.5	13	79	34	4.45
273739		4.10	0.007		<0.5	8.57	32	690	3.1	<2	0.74	<0.5	13	75	44	3.59
273740		1.20	0.250		<0.5	2.20	6780	60	0.6	10	0.08	<0.5	33	67	309	7.39
273741		0.44	0.318	0.319	<0.5	2.29	>10000	80	0.6	10	0.08	<0.5	60	23	325	5.43
273742		2.98	0.036		<0.5	1.86	342	150	0.5	19	0.18	<0.5	5	71	37	2.45
273743		3.84	<0.005		<0.5	2.52	18	190	0.6	<2	0.57	<0.5	3	17	35	1.20
273744		3.88	0.006		<0.5	2.91	12	220	0.8	<2	0.30	<0.5	3	69	27	0.99
273745		3.52	0.047		0.6	3.48	20	250	1.0	39	0.43	<0.5	4	24	85	1.45
273746		2.42	0.054		<0.5	3.43	19	250	1.1	<2	0.49	<0.5	4	54	10	1.02
273747		1.34	0.013		<0.5	3.17	16	330	1.2	<2	0.61	<0.5	3	22	31	1.39
273748		3.44	<0.005		<0.5	1.98	8	140	0.6	<2	0.34	<0.5	3	67	6	1.02



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CERTIFICATE OF ANALYSIS VA04053504

Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273709	0.01	2.93	1.26	526	1	0.05	28	390	14	0.23	10	49	0.35	84	10
273710	0.03	1.69	0.63	333	1	0.04	15	120	8	0.68	8	26	0.14	35	<10
273711	0.01	1.82	0.61	329	2	0.04	14	170	6	1.17	6	29	0.17	39	<10
273712	0.03	4.02	1.48	636	2	0.07	42	460	24	0.93	11	49	0.38	106	10
273713	0.06	3.46	1.34	1180	1	0.07	37	760	22	1.02	8	84	0.32	93	<10
273714	0.04	3.62	1.16	801	1	0.16	30	290	11	0.98	8	90	0.39	89	<10
273715	0.01	3.55	1.10	821	3	0.06	25	320	3	0.83	6	89	0.35	80	<10
273716	0.01	0.94	0.36	273	1	0.02	10	110	4	1.14	10	11	0.09	19	<10
273717	0.12	1.52	0.27	107	2	0.03	16	150	8	3.86	38	8	0.13	36	10
273718	0.16	3.07	0.48	477	1	0.03	23	540	13	2.65	52	22	0.29	84	<10
273719	0.03	3.75	0.67	821	<1	0.04	30	380	9	1.48	7	26	0.35	100	<10
273720	0.05	3.63	1.18	989	1	0.04	26	480	2	1.38	16	65	0.33	90	<10
273721	0.08	3.58	1.28	992	1	0.04	30	460	3	1.68	24	64	0.33	91	10
273722	0.01	1.64	0.69	472	<1	0.25	11	220	3	1.46	<5	39	0.16	45	<10
273723	0.02	1.66	1.03	710	2	0.48	31	330	129	4.62	22	90	0.22	70	10
273724	<0.01	2.33	0.43	405	<1	0.06	11	230	6	2.29	8	12	0.22	55	10
273725	0.01	1.00	0.10	40	5	0.03	29	40	21	6.87	26	4	0.07	20	10
273726	0.02	1.19	0.16	100	2	0.02	11	100	13	5.14	8	5	0.09	21	<10
273727	<0.01	1.12	0.38	456	2	0.01	6	90	5	0.09	<5	13	0.08	15	10
273728	<0.01	1.13	0.27	399	<1	0.01	9	90	5	0.14	<5	13	0.09	17	<10
273729	<0.01	1.52	0.39	565	<1	0.02	9	140	5	0.12	<5	16	0.11	24	<10
273730	<0.01	1.72	0.61	789	1	0.02	10	120	6	0.21	<5	18	0.13	30	<10
273731	<0.01	4.54	1.17	545	1	0.07	39	350	2	0.43	17	25	0.39	103	<10
273732	<0.01	4.28	1.40	486	1	0.07	35	370	8	0.41	12	28	0.43	108	10
273733	<0.01	2.10	0.95	450	<1	0.05	21	200	2	0.89	7	34	0.15	46	<10
273734	<0.01	4.20	1.77	974	1	0.07	39	360	4	1.37	17	106	0.36	108	10
273735	0.01	3.97	1.36	632	<1	0.06	30	590	7	1.03	19	66	0.45	111	10
273736	0.01	3.40	2.04	1485	<1	0.06	36	540	19	0.98	16	162	0.34	103	10
273737	0.01	3.82	1.59	972	<1	0.06	35	1060	12	1.14	16	99	0.37	100	<10
273738	<0.01	4.01	1.44	551	<1	0.06	29	380	2	0.26	22	40	0.38	102	10
273739	<0.01	4.54	1.30	357	<1	0.07	24	790	9	0.54	14	32	0.33	102	10
273740	<0.01	0.41	0.40	46	<1	0.12	38	80	16	7.61	11	10	0.07	19	<10
273741	<0.01	0.51	0.39	41	<1	0.12	25	90	12	5.23	10	11	0.08	19	10
273742	<0.01	0.89	0.13	89	<1	0.02	5	60	21	2.28	6	7	0.05	11	<10
273743	<0.01	1.20	0.26	222	<1	0.02	5	60	8	0.49	5	11	0.06	14	<10
273744	<0.01	1.41	0.21	167	<1	0.02	6	60	15	0.29	6	8	0.08	18	10
273745	<0.01	1.67	0.27	190	<1	0.03	15	60	83	0.76	10	12	0.10	25	<10
273746	<0.01	1.59	0.28	261	<1	0.02	5	120	37	0.19	9	18	0.11	28	<10
273747	<0.01	1.63	0.42	223	<1	0.02	7	100	8	0.48	7	11	0.14	27	10
273748	<0.01	0.67	0.17	265	<1	0.01	3	80	4	0.06	6	12	0.08	15	<10

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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273709		65
273710		14
273711		10
273712		88
273713		68
273714		50
273715		29
273716		4
273717		7
273718		72
273719		41
273720		45
273721		46
273722		9
273723		198
273724		12
273725		22
273726		24
273727		6
273728		8
273729		7
273730		18
273731		54
273732		40
273733		9
273734		14
273735		55
273736		100
273737		102
273738		54
273739		23
273740		5
273741		16
273742		9
273743		6
273744		21
273745		114
273746		90
273747		7
273748		10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273749		2.80	0.008		<0.5	3.45	18	310	1.3	<2	0.51	<0.5	7	24	32	1.72
273750		3.68	0.030		<0.5	3.63	20	360	1.2	<2	0.40	<0.5	4	66	76	1.83
273751		1.78	0.017		<0.5	1.70	36	160	<0.5	<2	0.28	<0.5	2	20	82	1.48
273752		1.44	0.015		<0.5	1.96	116	180	<0.5	<2	0.44	<0.5	2	67	42	1.22
273753		2.68	0.252		2.5	1.86	3630	60	0.5	305	0.16	<0.5	21	23	235	7.35
273754		3.36	0.012		<0.5	2.50	659	190	0.7	3	0.61	<0.5	10	251	97	1.93
273755		3.30	0.020		<0.5	2.32	202	190	0.6	6	0.61	<0.5	4	238	136	2.11
273756		3.34	0.046		<0.5	3.50	122	270	1.0	4	0.79	<0.5	4	226	120	2.40
273757		2.82	0.078		<0.5	6.07	68	470	1.5	26	3.06	<0.5	7	108	145	3.70
273758		2.52	0.073		<0.5	5.82	539	240	1.6	8	2.22	<0.5	12	183	226	5.80
273759		2.42	0.095		<0.5	6.63	862	440	1.9	10	2.96	<0.5	6	124	210	4.52
273760		1.62	0.081		<0.5	3.20	1485	240	0.8	76	1.70	<0.5	22	255	347	5.45
273761		0.74	0.050	0.048	<0.5	2.93	904	210	0.7	28	1.10	<0.5	16	167	247	4.12
273762		2.62	0.010		<0.5	5.12	256	400	1.4	5	1.84	<0.5	8	158	86	2.72
273763		2.30	0.034		<0.5	2.09	666	120	0.5	5	0.63	<0.5	12	237	128	3.20
273764		0.86	0.070		<0.5	2.08	2360	120	0.5	18	0.08	<0.5	33	304	623	11.10
273765		2.04	0.028		<0.5	7.74	811	500	2.1	4	3.14	<0.5	13	117	306	5.70
273766		0.74	0.016		<0.5	7.57	373	550	2.2	<2	1.92	<0.5	9	180	60	2.50
273767		2.40	0.022		<0.5	2.65	844	220	0.7	6	1.19	<0.5	12	161	116	2.76
273768		2.26	0.025		<0.5	6.16	85	480	1.5	<2	4.34	<0.5	10	123	128	4.22
273769		1.72	0.059		<0.5	4.58	1080	320	1.2	5	2.59	<0.5	16	160	341	6.61
273770		2.54	0.012		<0.5	5.57	93	490	1.5	<2	2.25	<0.5	8	176	96	2.89
273771		3.40	0.018		<0.5	5.14	82	560	1.4	2	1.67	<0.5	10	175	154	3.43
273772		2.72	0.005		0.5	3.31	158	300	0.9	<2	1.06	<0.5	6	280	67	1.89
273773		1.48	0.009		<0.5	4.39	102	410	1.1	<2	1.28	<0.5	9	228	132	2.86
273774		2.24	<0.005		<0.5	5.90	27	570	1.6	<2	3.36	<0.5	5	163	200	4.72
273775		2.34	0.013		<0.5	5.57	123	470	1.5	<2	2.37	<0.5	11	186	67	2.79
273776		1.48	0.025		0.6	7.71	85	700	2.1	<2	4.30	<0.5	20	107	45	4.83
273777		2.46	0.012		<0.5	5.64	272	440	1.6	7	2.22	<0.5	4	209	83	2.41
273778		1.66	0.113		<0.5	3.26	5950	230	0.9	11	1.28	<0.5	3	260	176	3.69
273779		1.66	<0.005		<0.5	3.63	267	310	1.0	<2	1.43	<0.5	3	77	61	1.66
273780		3.42	0.040		<0.5	4.55	228	390	1.3	3	1.67	<0.5	16	128	141	3.81
273781		1.74	0.038	0.035	<0.5	4.56	227	400	1.3	3	1.76	<0.5	18	79	129	3.71
273782		2.36	0.021		0.6	6.54	51	540	1.9	<2	2.28	<0.5	12	307	85	3.39
273783		3.32	<0.005		<0.5	4.97	23	430	1.4	<2	1.74	<0.5	5	78	66	2.48
273784		2.72	0.044		<0.5	3.69	649	300	1.0	3	1.22	<0.5	10	52	242	4.48
273785		1.98	0.021		<0.5	4.23	68	340	1.1	2	2.25	<0.5	3	33	134	3.06
273786		2.82	0.005		<0.5	4.66	44	420	1.3	<2	1.26	<0.5	4	39	72	1.88
273787		1.10	0.037		<0.5	3.06	98	270	0.8	12	0.87	<0.5	3	18	92	1.84
273788		2.48	0.032		<0.5	2.55	231	220	0.6	<2	0.58	<0.5	9	17	156	2.77



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273749	<0.01	1.50	0.37	317	<1	0.02	10	100	3	0.45	5	18	0.11	29	<10
273750	0.01	1.75	0.37	160	<1	0.03	12	110	5	1.06	9	7	0.11	28	10
273751	0.02	0.84	0.20	89	<1	0.02	5	70	5	1.09	10	4	0.06	13	<10
273752	0.01	0.95	0.26	112	<1	0.03	5	50	4	0.72	6	5	0.06	12	<10
273753	0.09	0.46	0.35	94	<1	0.08	15	90	286	7.79	61	10	0.05	15	<10
273754	<0.01	1.20	0.41	194	5	0.03	14	110	7	1.37	9	10	0.08	21	<10
273755	<0.01	1.14	0.37	207	6	0.03	16	120	7	1.54	7	9	0.08	20	10
273756	<0.01	1.68	0.54	202	2	0.04	17	390	6	1.88	<5	13	0.10	32	10
273757	<0.01	2.86	1.40	840	1	0.06	25	300	3	1.94	8	33	0.29	71	10
273758	<0.01	2.83	1.27	767	1	0.05	35	270	37	5.29	16	32	0.24	69	10
273759	<0.01	3.25	1.28	1110	2	0.04	23	250	63	3.25	14	58	0.25	75	10
273760	<0.01	1.51	0.69	507	2	0.03	21	130	15	4.34	11	32	0.11	34	10
273761	<0.01	1.39	0.45	345	4	0.03	16	120	12	3.36	8	21	0.10	30	10
273762	<0.01	2.47	0.89	440	1	0.04	8	170	6	1.30	7	29	0.24	54	10
273763	<0.01	1.00	0.23	331	7	0.02	12	90	3	2.82	<5	8	0.06	20	10
273764	0.01	0.91	0.15	196	2	0.03	25	90	6	8.85	12	4	0.06	21	<10
273765	<0.01	3.87	1.44	1215	1	0.05	28	480	8	3.70	13	41	0.29	94	10
273766	<0.01	3.55	1.02	709	1	0.05	25	280	7	0.78	10	38	0.36	92	10
273767	<0.01	1.24	0.47	386	4	0.02	17	90	8	1.90	6	17	0.11	27	<10
273768	<0.01	3.10	1.61	1575	1	0.04	20	330	4	1.08	11	73	0.27	76	10
273769	0.03	2.27	1.12	975	3	0.03	28	250	6	4.24	14	37	0.18	53	10
273770	<0.01	2.76	1.05	718	1	0.04	17	210	5	1.26	9	33	0.25	62	<10
273771	0.01	2.51	0.87	537	4	0.04	25	250	6	1.79	10	31	0.24	58	10
273772	<0.01	1.62	0.61	317	2	0.03	19	140	6	0.70	6	21	0.13	35	<10
273773	<0.01	2.12	0.64	389	6	0.04	16	210	5	1.64	8	26	0.18	49	<10
273774	<0.01	3.00	1.46	765	1	0.04	19	370	14	2.10	7	55	0.24	72	10
273775	<0.01	2.68	1.05	763	3	0.04	14	240	15	1.12	7	43	0.29	67	10
273776	<0.01	3.95	1.80	893	<1	0.06	30	490	5	1.81	9	125	0.35	92	10
273777	<0.01	2.69	1.23	634	6	0.06	21	280	11	1.21	11	30	0.25	62	10
273778	<0.01	1.54	0.71	593	3	0.04	26	150	16	3.10	7	14	0.12	30	10
273779	<0.01	1.74	0.68	440	1	0.03	15	170	5	0.52	9	28	0.14	35	10
273780	<0.01	2.32	0.92	553	<1	0.03	22	260	9	2.52	10	28	0.18	46	<10
273781	<0.01	2.32	0.98	606	3	0.03	22	280	13	2.23	10	28	0.19	49	10
273782	<0.01	3.34	1.32	937	1	0.04	26	270	17	1.16	19	56	0.34	83	10
273783	<0.01	2.48	1.00	529	1	0.04	17	270	6	0.60	12	31	0.21	51	10
273784	0.04	1.83	0.68	415	<1	0.03	22	160	2	2.80	9	19	0.12	34	10
273785	<0.01	2.08	1.07	749	<1	0.03	18	320	7	1.78	9	42	0.17	48	10
273786	<0.01	2.33	0.78	427	<1	0.04	16	280	7	0.86	8	18	0.15	51	<10
273787	<0.01	1.46	0.46	297	<1	0.02	6	110	8	1.24	9	14	0.09	23	<10
273788	0.01	1.23	0.30	232	<1	0.02	11	80	6	2.21	9	7	0.07	15	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273749		9
273750		7
273751		4
273752		4
273753		19
273754		10
273755		7
273756		5
273757		8
273758		29
273759		48
273760		10
273761		8
273762		5
273763		5
273764		7
273765		10
273766		8
273767		6
273768		13
273769		10
273770		7
273771		10
273772		6
273773		7
273774		13
273775		26
273776		27
273777		8
273778		3
273779		8
273780		12
273781		12
273782		41
273783		10
273784		8
273785		7
273786		6
273787		5
273788		6

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QC CERTIFICATE VA04053504

Project: Hyland

P.O. No.:

This report is for 160 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
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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: 



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QC CERTIFICATE OF ANALYSIS VA04053504

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
Sample Description	STANDARDS														
OXK18	3.58														
OXK18	3.57														
OXK18	3.55	3.55													
OXK18	3.44														
OXK18	3.50														
OXK18	3.37														
OXK18	3.47														
Target Range - Lower Bound	3.22	3.22													
Upper Bound	3.71	3.71													
Pb-106			54.0	5.13	229	610	0.6	2	1.93	59.0	2	38	6190	2.00	
Target Range - Lower Bound			51.9	4.74	212	510	<0.5	5	1.73	49.5	<1	25	5530	1.77	
Upper Bound			64.6	5.82	271	640	1.0	11	2.13	61.6	2	32	6770	2.19	
BLANKS															
BLANK	<0.005														<0.01
BLANK	<0.005														<0.01
BLANK	<0.005	<0.005													<0.01
BLANK															<0.01
BLANK															<0.01
BLANK															<0.01
BLANK															<0.01
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	<1	<1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005														
BLANK	<0.005														
BLANK			<0.5	<0.01	<5	<10	<0.5	2	<0.01	0.7	2	<1	1	<0.01	
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
Target Range - Lower Bound	<0.005	<0.005	<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<0.01
Upper Bound	0.010	0.010	1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	0.02



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QC CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Tl % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
STANDARDS																
OXX18																
OXX18																
OXX18																
OXX18																
OXX18																
OXX18																
OXX18																
Target Range - Lower Bound																
Upper Bound																
Pb-106		2.03	0.41	672	50	0.88	9	220	5480	1.24	69	333	0.08	52	<10	8840
Target Range - Lower Bound		1.87	0.36	567	46	0.85	7	200	4660	1.12	15	313	0.05	43	<10	7550
Upper Bound		2.30	0.47	705	58	1.06	11	270	5700	1.40	29	384	0.09	54	20	9240
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK		<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK		<0.01	<0.01	<5	2	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK		<0.01	<0.01	<5	1	<0.01	1	10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK		<0.01	<0.01	<5	1	<0.01	<1	10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK																
BLANK																
BLANK																
BLANK		<0.01	<0.01	<5	2	<0.01	1	10	<2	<0.01	<5	1	<0.01	1	<10	<2
BLANK		<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Target Range - Lower Bound		<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Upper Bound		0.02	0.02	10	2	0.02	2	20	4	0.02	10	2	0.02	2	20	4



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QC CERTIFICATE OF ANALYSIS VA04053504

Method Analyte Units LOR	Au-AA23 Au ppm	Au-AA23D Au ppm	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	Hg-CV41 Hg ppm
Sample Description	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
	DUPLICATES														
ORIGINAL			0.6	8.54	<5	320	<0.5	<2	1.02	<0.5	13	16	74	4.60	
DUP			<0.5	8.52	5	310	<0.5	<2	1.01	<0.5	12	14	73	4.51	
Target Range - Lower Bound			<0.5	8.08	<5	280	<0.5	<2	0.94	<0.5	10	12	68	4.31	
Upper Bound			1.0	8.98	10	350	1.0	4	1.09	1.0	15	18	79	4.80	
ORIGINAL	0.347														
DUP	0.355														
Target Range - Lower Bound	0.323														
Upper Bound	0.379														
ORIGINAL	0.077														
DUP	0.087														
Target Range - Lower Bound	0.068														
Upper Bound	0.096														
273636			<0.5	8.48	161	590	2.2	3	0.31	<0.5	23	66	59	4.55	
DUP			<0.5	8.29	160	570	2.2	7	0.30	<0.5	21	62	63	4.46	
Target Range - Lower Bound			<0.5	7.95	142	530	1.1	<2	0.27	<0.5	19	59	56	4.26	
Upper Bound			1.0	8.82	179	630	3.3	9	0.34	1.0	25	69	68	4.75	
273638															<0.01
DUP															<0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
273646	0.109														
DUP	0.100														
Target Range - Lower Bound	0.089														
Upper Bound	0.120														
273671	0.277														
DUP	0.286														
Target Range - Lower Bound	0.257														
Upper Bound	0.308														
273672			<0.5	6.51	928	210	1.7	19	0.12	<0.5	23	177	43	7.40	
DUP			<0.5	6.58	969	210	1.7	21	0.12	<0.5	22	174	44	7.38	
Target Range - Lower Bound			<0.5	6.20	891	180	0.6	15	0.09	<0.5	19	165	39	7.00	
Upper Bound			1.0	6.89	1005	240	2.8	25	0.15	1.0	26	186	48	7.78	

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QC CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
DUPLICATES																
ORIGINAL		1.18	1.84	983	<1	3.93	2	540	2	0.37	<5	135	0.35	156	<10	106
DUP		1.16	1.80	960	<1	3.83	3	510	<2	0.36	<5	133	0.34	152	<10	104
Target Range - Lower Bound		1.09	1.71	913	<1	3.67	<1	480	<2	0.33	<5	125	0.31	144	<10	98
Upper Bound		1.25	1.93	1030	2	4.09	5	570	4	0.40	10	143	0.38	164	20	114
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
273636		3.73	1.25	503	<1	0.11	38	680	2	0.94	9	106	0.32	91	20	27
DUP		3.72	1.23	486	<1	0.12	40	690	<2	0.95	8	107	0.33	90	10	26
Target Range - Lower Bound		3.52	1.16	460	<1	0.09	35	630	<2	0.88	<5	99	0.29	84	<10	21
Upper Bound		3.93	1.32	529	2	0.14	43	740	4	1.01	10	114	0.36	97	20	32
273638																
DUP																
Target Range - Lower Bound																
Upper Bound																
273646																
DUP																
Target Range - Lower Bound																
Upper Bound																
273671																
DUP																
Target Range - Lower Bound																
Upper Bound																
273672		1.61	0.80	156	1	0.23	29	310	<2	7.25	10	18	0.24	72	20	22
DUP		1.64	0.81	156	2	0.23	27	310	7	7.31	13	18	0.23	72	20	22
Target Range - Lower Bound		1.52	0.74	138	<1	0.20	25	270	<2	6.90	<5	15	0.20	68	<10	17
Upper Bound		1.73	0.87	174	2	0.26	31	350	9	7.66	22	21	0.27	78	40	27



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QC CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
		Au ppm 0.005	Au ppm 0.005	Ag ppm 0.5	Al % 0.01	As ppm 5	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	Hg ppm 0.01
273674 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														<0.01 <0.01 <0.01 0.02
273684 DUP Target Range - Lower Bound Upper Bound		0.129 0.134 0.115 0.148														
273704 DUP Target Range - Lower Bound Upper Bound		0.604 0.550 0.538 0.616														
273708 DUP Target Range - Lower Bound Upper Bound				<0.5 <0.5 <0.5 1.0	2.57 2.77 2.52 2.82	840 901 617 924	180 190 160 210	0.7 0.8 <0.5 1.0	76 82 71 87	0.77 0.80 0.73 0.84	<0.5 <0.5 <0.5 1.0	4 5 2 7	162 160 151 171	85 92 82 95	1.97 2.07 1.90 2.14	
273710 DUP Target Range - Lower Bound Upper Bound																0.03 0.03 <0.01 0.05
273724 DUP Target Range - Lower Bound Upper Bound		0.034 0.063 0.036 0.061														
273744 DUP Target Range - Lower Bound Upper Bound				<0.5 <0.5 <0.5 1.0	2.91 2.92 2.75 3.08	12 11 5 22	220 230 190 260	0.8 0.8 <0.5 1.0	<2 <2 2 4	0.30 0.32 0.27 0.35	<0.5 <0.5 <0.5 1.0	3 2 1 5	69 65 62 72	27 25 23 29	0.99 1.03 0.94 1.08	
273746 DUP Target Range - Lower Bound Upper Bound																<0.01 <0.01 <0.01 0.02



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QC CERTIFICATE OF ANALYSIS VA04053504

Sample Description	Method Analyte Units LOR	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
273674 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
273684 DUP Target Range - Lower Bound Upper Bound																
273704 DUP Target Range - Lower Bound Upper Bound																
273708 DUP Target Range - Lower Bound Upper Bound		1.11 1.20 1.08 1.23	0.45 0.49 0.43 0.51	277 290 259 308	1 1 <1 2	0.04 0.04 0.02 0.06	9 11 8 13	90 110 80 130	10 9 5 14	1.02 1.09 0.98 1.13	6 9 5 10	19 21 17 23	0.11 0.12 0.09 0.14	25 26 22 29	10 <10 <10 20	9 11 6 15
273710 DUP Target Range - Lower Bound Upper Bound																
273724 DUP Target Range - Lower Bound Upper Bound																
273744 DUP Target Range - Lower Bound Upper Bound		1.41 1.34 1.29 1.48	0.21 0.21 0.18 0.24	167 174 152 189	<1 <1 <1 2	0.02 0.02 0.01 0.04	6 6 4 8	60 60 40 80	15 14 10 19	0.29 0.29 0.26 0.32	6 5 5 10	8 8 6 10	0.08 0.08 0.06 0.10	18 18 15 21	10 10 10 20	21 20 15 26
273746 DUP Target Range - Lower Bound Upper Bound																



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273789		2.18	0.027		<0.5	3.29	1740	160	0.9	5	0.07	1.0	6	142	205	3.01
273790		3.92	0.009		<0.5	4.40	1255	280	1.3	9	0.08	0.6	4	158	215	2.59
273791		0.80	0.007		<0.5	5.70	3910	400	1.7	<2	0.12	<0.5	15	155	799	7.80
273792		0.28	0.014		<0.5	8.64	7560	630	2.4	8	0.16	<0.5	9	118	428	5.70
273793		0.92	0.051		1.0	2.51	2600	150	0.5	10	0.02	<0.5	<1	163	50	1.08
273794		0.54	0.021		<0.5	3.95	613	260	0.9	8	0.03	<0.5	<1	140	10	0.96
273795		1.34	0.010		0.7	3.08	516	220	0.6	3	0.03	1.0	<1	154	75	2.14
273796		3.08	0.007		0.5	2.58	641	180	0.5	14	0.01	<0.5	<1	144	7	0.57
273797		1.12	0.121		0.7	6.24	970	430	1.6	22	0.07	<0.5	10	150	194	4.44
273798		0.76	0.053		<0.5	8.93	4050	580	2.2	43	0.17	<0.5	15	144	482	3.12
273799		1.14	0.033		<0.5	1.56	1010	10	<0.5	22	0.02	<0.5	6	176	141	1.04
273800		0.76	0.061		<0.5	1.56	362	40	<0.5	14	0.04	<0.5	5	210	178	1.24
273801		0.40	0.185	0.202	<0.5	2.32	886	80	0.5	24	0.04	<0.5	15	194	477	3.05
273802		0.82	0.050		<0.5	3.65	1155	370	0.9	37	0.09	<0.5	8	182	1030	3.68
273803		3.70	0.073		<0.5	3.89	1915	300	0.9	35	5.72	<0.5	9	122	815	7.20
273804		2.80	0.047		<0.5	4.34	998	390	0.9	67	2.82	<0.5	16	146	1075	8.37
273805		5.06	0.092		<0.5	4.51	1750	320	1.1	27	0.22	<0.5	6	115	957	3.54
273806		6.32	0.034		<0.5	7.38	235	670	2.1	<2	1.49	0.5	7	83	253	2.96
273807		5.14	<0.005		<0.5	2.46	606	190	0.6	<2	0.55	<0.5	2	147	175	1.08
273808		2.80	<0.005		<0.5	2.67	441	210	0.6	7	0.64	<0.5	2	141	183	1.36
273809		1.38	0.033		<0.5	6.16	2150	400	1.7	7	0.44	0.6	10	163	1005	3.08
273810		3.20	0.007		<0.5	2.88	226	240	0.7	17	0.76	<0.5	2	135	182	1.72
273811		4.46	0.017		<0.5	3.41	138	310	0.9	9	0.84	<0.5	4	148	161	2.17
273812		1.84	0.028		<0.5	3.06	152	260	0.8	6	0.51	<0.5	5	139	319	2.71
273813		1.62	0.135		<0.5	4.12	440	320	1.0	32	5.77	<0.5	8	105	466	8.46
273814		4.08	0.088		<0.5	5.13	400	410	1.2	53	6.47	<0.5	23	131	604	7.97
273815		4.20	0.110		<0.5	4.85	628	380	1.2	40	6.64	<0.5	17	127	372	8.04
273816		3.96	0.099		0.5	4.05	808	190	0.9	90	2.54	<0.5	18	136	628	11.35
273817		1.34	0.042		0.5	7.35	467	480	1.9	46	0.99	0.5	10	126	167	3.77
273818		0.98	0.286		0.8	3.19	3830	130	0.8	82	0.08	<0.5	50	184	388	11.20
273819		0.38	0.023		<0.5	8.91	174	350	2.5	33	2.25	<0.5	18	111	76	7.22
273820		0.66	0.043		0.5	5.52	144	310	1.4	19	1.65	<0.5	10	137	126	3.49
273821		0.44	0.029	0.032	<0.5	6.40	223	450	1.7	17	1.29	<0.5	10	136	174	3.34
273822		0.74	0.018		<0.5	11.75	196	40	2.6	<2	0.82	0.7	55	107	190	7.95
273823		0.94	0.151		<0.5	4.37	586	200	1.2	43	0.16	0.5	10	137	938	6.76
273824		2.62	0.006		<0.5	12.30	143	50	2.4	2	0.98	<0.5	47	100	72	10.35
273825		3.78	0.024		<0.5	6.72	156	500	2.0	2	2.14	<0.5	13	114	195	3.83
273826		3.42	0.022		<0.5	4.32	172	260	1.2	19	1.66	0.5	8	129	223	3.79
273827		2.20	<0.005		<0.5	10.45	299	30	3.3	<2	1.72	<0.5	46	76	18	10.35
273828		3.26	0.020		<0.5	4.53	1260	370	1.3	13	1.34	<0.5	12	156	67	2.49



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273789	0.02	1.34	0.14	446	<1	0.03	14	210	116	0.02	21	16	0.12	31	10
273790	<0.01	1.93	0.18	601	3	0.02	16	220	23	0.02	17	14	0.18	44	10
273791	0.01	2.57	0.30	812	<1	0.04	25	420	3	0.04	61	27	0.17	72	<10
273792	0.01	3.78	0.35	270	2	0.06	32	990	4	0.15	97	76	0.30	126	10
273793	0.02	1.11	0.17	42	<1	0.04	2	130	206	0.11	14	28	0.13	26	<10
273794	0.03	1.87	0.21	22	3	0.03	3	70	168	0.17	9	31	0.20	45	<10
273795	0.02	1.46	0.26	1415	1	0.02	3	80	610	0.42	23	12	0.12	29	<10
273796	0.01	1.21	0.13	25	3	0.02	2	80	273	0.06	15	11	0.11	23	10
273797	0.01	2.57	0.52	66	4	0.12	35	200	87	4.07	11	42	0.23	110	150
273798	0.01	3.36	0.51	74	8	0.08	26	580	132	2.29	43	152	0.34	177	20
273799	0.01	0.05	0.39	15	<1	0.12	2	40	22	0.55	<5	13	0.07	24	<10
273800	0.01	0.16	0.32	24	4	0.09	7	60	36	0.83	<5	27	0.07	24	10
273801	0.05	0.39	0.40	15	1	0.12	9	90	90	2.86	11	73	0.12	38	10
273802	0.01	1.49	0.19	96	4	0.04	15	370	152	2.49	17	229	0.18	59	10
273803	0.04	1.38	2.80	2000	1	0.04	25	1180	8	2.88	17	69	0.18	66	10
273804	0.15	1.79	1.46	1255	2	0.04	39	630	3	4.75	25	20	0.23	74	10
273805	0.09	1.62	0.34	166	1	0.06	21	360	50	2.19	14	11	0.19	55	10
273806	0.01	3.56	1.16	596	1	0.06	21	340	4	0.93	6	35	0.29	89	10
273807	<0.01	0.94	0.30	140	1	0.02	14	150	6	0.40	5	11	0.08	23	10
273808	<0.01	1.09	0.36	182	2	0.02	10	150	5	0.56	<5	11	0.09	25	<10
273809	0.01	2.14	0.38	554	1	0.05	25	550	8	0.96	12	30	0.19	84	<10
273810	<0.01	1.26	0.44	232	2	0.02	9	110	2	0.77	<5	12	0.10	25	<10
273811	0.01	1.55	0.50	276	1	0.02	11	170	<2	0.98	<5	13	0.13	32	10
273812	0.02	1.37	0.34	224	2	0.02	16	100	2	1.62	5	8	0.12	28	<10
273813	0.02	1.70	2.75	1800	<1	0.04	48	820	5	4.89	6	53	0.26	72	10
273814	0.06	2.30	3.29	1605	2	0.05	59	1240	2	4.76	12	64	0.28	105	10
273815	0.02	2.19	3.29	1570	1	0.05	54	1080	7	5.04	9	65	0.28	100	10
273816	0.01	1.67	1.47	695	3	0.06	43	510	27	8.48	8	34	0.20	69	10
273817	0.01	3.08	0.71	647	2	0.07	25	350	26	1.74	8	42	0.26	64	10
273818	0.10	0.94	0.35	292	4	0.09	47	170	41	9.92	12	11	0.10	29	10
273819	0.10	2.34	1.08	2370	1	0.03	28	1300	11	0.98	13	55	0.55	128	20
273820	0.05	1.97	0.85	766	2	0.03	16	410	5	1.52	7	26	0.26	65	10
273821	0.06	2.70	0.80	705	<1	0.04	13	400	4	1.19	5	25	0.25	72	10
273822	0.21	0.13	0.59	2080	1	0.01	52	2990	8	0.79	20	20	1.58	316	40
273823	0.16	1.10	0.40	569	1	0.06	35	430	17	4.79	13	19	0.17	52	10
273824	0.67	0.19	1.06	2740	1	0.01	33	2930	9	0.70	27	23	1.55	315	40
273825	0.03	3.22	1.18	1090	2	0.05	27	350	8	1.39	5	59	0.29	71	10
273826	0.03	1.78	0.84	875	2	0.03	20	210	32	2.16	6	34	0.17	44	10
273827	0.15	0.04	1.14	2740	5	<0.01	38	2540	3	0.45	34	34	1.31	262	20
273828	0.03	2.19	0.85	462	4	0.03	13	240	7	1.66	<5	18	0.17	46	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn	Zn
		ppm 2	% 0.01
273789		284	
273790		129	
273791		178	
273792		131	
273793		59	
273794		5	
273795		321	
273796		3	
273797		40	
273798		112	
273799		3	
273800		4	
273801		5	
273802		61	
273803		91	
273804		41	
273805		36	
273806		25	
273807		9	
273808		9	
273809		47	
273810		7	
273811		9	
273812		9	
273813		34	
273814		31	
273815		38	
273816		24	
273817		44	
273818		34	
273819		254	
273820		31	
273821		44	
273822		91	
273823		56	
273824		217	
273825		41	
273826		60	
273827		172	
273828		13	



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273829		3.58	0.017		<0.5	4.34	490	340	1.2	3	1.32	<0.5	10	123	92	3.70
273830		1.54	0.061		0.9	6.38	698	430	1.8	23	2.25	<0.5	13	138	419	4.90
273831		1.58	0.021		<0.5	2.56	650	140	0.7	23	0.33	<0.5	2	140	126	1.96
273832		3.08	0.112		1.1	3.72	8670	140	1.0	80	0.06	<0.5	26	149	573	6.74
273833		2.76	0.032		<0.5	4.19	2360	200	1.2	25	0.46	<0.5	7	148	260	3.64
273834		3.12	0.047		<0.5	5.14	1955	270	1.4	22	0.44	<0.5	7	144	250	3.42
273835		1.10	0.025		<0.5	9.01	507	510	2.7	9	1.12	<0.5	10	97	197	4.12
273836		2.78	0.019		<0.5	5.38	184	360	1.5	17	0.49	<0.5	1	131	174	2.21
273837		2.66	0.024		<0.5	3.30	1030	180	0.9	47	0.18	<0.5	3	140	276	1.66
273838		4.00	0.050		0.7	3.15	2300	160	0.8	58	0.24	<0.5	12	143	299	3.72
273839		3.04	0.015		<0.5	4.33	364	270	1.2	17	0.49	0.6	3	138	270	1.90
273840		0.94	0.080		1.2	4.63	1335	190	1.3	38	0.09	0.5	13	132	393	4.73
273841		0.46	0.069	0.072	1.5	4.48	1825	160	1.2	43	0.10	<0.5	15	151	485	4.54
273842		1.44	0.064		0.5	4.86	874	260	1.2	24	1.08	<0.5	14	119	372	5.43
273843		1.82	0.108		0.7	4.83	1155	220	1.3	74	0.57	<0.5	11	126	425	5.20
273844		3.24	0.164		2.3	5.04	4670	210	1.2	66	0.68	<0.5	28	109	509	7.70
273845		3.50	0.174		1.1	5.25	1445	200	1.2	43	0.18	<0.5	18	120	131	5.95
273846		1.24	1.070		8.0	4.90	9050	40	1.2	53	0.09	1.0	26	118	1350	15.10
273847		3.54	0.155		1.8	6.05	1745	200	1.3	70	0.07	<0.5	24	124	236	6.61
273848		1.50	0.780		3.2	5.31	1965	50	1.4	52	0.14	<0.5	13	130	404	10.00
273849		2.08	0.359		1.7	4.51	6500	20	0.9	20	0.13	0.5	13	160	622	8.54
273850		1.44	0.043		0.9	2.85	1345	50	0.6	16	0.08	<0.5	2	142	517	2.89
273851		3.42	0.054		<0.5	5.38	1375	140	1.1	19	0.14	<0.5	5	134	594	5.44
273852		2.06	<0.005		<0.5	4.89	591	170	1.1	7	0.32	<0.5	1	120	110	2.03
273853		2.84	0.013		<0.5	6.75	182	250	1.8	2	1.43	<0.5	9	87	196	5.39
273854		4.18	0.030		<0.5	5.95	167	260	1.6	<2	0.39	<0.5	8	94	120	4.70
273855		1.96	0.040		<0.5	6.27	1440	220	1.6	6	0.23	<0.5	10	98	516	8.34
273856		2.76	0.072		0.8	2.27	2950	30	0.5	15	0.06	<0.5	12	171	105	3.99
273857		2.10	0.137		<0.5	3.50	2400	120	0.7	41	0.08	<0.5	7	147	42	6.64
273858		2.36	0.024		<0.5	1.47	861	40	<0.5	11	0.03	<0.5	3	167	47	2.97
273859		1.34	0.020		<0.5	2.23	196	60	<0.5	4	0.04	<0.5	2	202	209	2.78
273860		3.26	0.030		0.6	5.46	804	250	1.1	4	0.09	<0.5	9	175	290	2.70
273861		2.12	0.029	0.029	0.6	5.67	492	260	1.2	4	0.09	<0.5	7	144	227	2.64
273862		3.66	0.016		<0.5	1.97	142	60	<0.5	4	0.03	<0.5	2	186	100	1.92
273863		3.22	0.123		<0.5	2.60	5610	50	0.5	17	0.05	<0.5	7	143	61	3.14
273864		0.98	0.047		<0.5	9.46	762	380	2.1	5	0.26	<0.5	14	110	23	3.97
273865		1.68	0.011		<0.5	10.90	186	640	2.4	<2	0.17	<0.5	18	93	57	4.69
273866		2.58	0.005		<0.5	8.70	90	500	1.8	<2	0.32	<0.5	14	104	36	5.01
273867		0.56	1.205		4.4	4.86	4800	50	1.7	66	0.68	<0.5	16	73	611	12.75
273868		2.34	0.196		3.3	5.69	1685	70	1.3	11	0.37	<0.5	5	142	480	7.19



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
273829	<0.01	2.04	0.81	457	1	0.03	18	200	9	3.41	<5	15	0.14	41	10
273830	<0.01	3.08	1.40	986	3	0.04	30	300	11	4.36	12	26	0.27	73	10
273831	<0.01	1.08	0.26	190	<1	0.02	8	90	18	1.74	6	10	0.07	17	<10
273832	0.02	1.06	0.42	33	3	0.12	28	130	39	6.55	22	10	0.09	33	<10
273833	<0.01	1.58	0.50	172	<1	0.08	17	470	15	3.46	6	11	0.12	35	<10
273834	0.01	1.94	0.55	219	2	0.08	16	190	16	3.12	15	13	0.18	49	10
273835	<0.01	4.61	1.08	460	1	0.08	19	300	<2	4.00	<5	18	0.42	113	10
273836	<0.01	2.38	0.51	170	3	0.06	14	290	11	1.86	<5	10	0.18	47	<10
273837	<0.01	1.31	0.26	88	<1	0.04	9	160	19	1.40	10	6	0.09	20	<10
273838	<0.01	1.26	0.28	105	2	0.05	15	280	19	3.69	18	7	0.08	19	10
273839	0.01	1.88	0.45	216	1	0.05	8	160	32	1.60	5	10	0.14	35	10
273840	0.01	1.56	0.45	33	4	0.11	20	250	33	4.71	30	16	0.16	52	10
273841	0.02	1.37	0.50	33	1	0.13	20	280	37	4.50	51	19	0.14	49	10
273842	<0.01	2.04	0.80	613	3	0.06	21	230	19	5.47	28	18	0.17	58	10
273843	0.01	1.88	0.56	417	1	0.08	19	270	42	5.24	25	14	0.15	53	10
273844	0.01	1.97	0.65	780	2	0.08	35	270	40	7.66	121	28	0.15	55	10
273845	0.01	1.72	0.43	114	1	0.23	26	230	141	5.98	28	42	0.19	50	10
273846	0.03	0.49	0.95	17	2	0.26	33	390	202	>10.0	67	54	0.19	57	20
273847	0.01	2.06	0.48	16	<1	0.13	20	320	217	6.72	31	32	0.18	54	10
273848	0.02	0.63	0.95	74	3	0.26	31	480	522	>10.0	36	58	0.17	59	20
273849	0.02	0.23	1.06	50	1	0.28	37	370	29	8.44	213	20	0.14	55	10
273850	0.01	0.51	0.49	41	4	0.13	10	260	14	2.46	69	9	0.11	29	<10
273851	0.01	1.53	0.74	43	2	0.18	26	330	11	5.38	19	15	0.20	81	10
273852	<0.01	1.96	0.50	182	3	0.08	13	230	9	1.45	<5	8	0.20	44	10
273853	<0.01	3.04	1.24	1140	3	0.06	25	350	8	3.12	5	15	0.21	81	10
273854	0.01	2.75	0.87	984	3	0.04	20	360	10	2.14	6	8	0.17	74	10
273855	0.01	2.28	1.02	474	2	0.13	38	400	8	6.34	12	14	0.23	116	10
273856	0.01	0.30	0.49	23	4	0.13	17	190	18	3.77	26	14	0.07	19	<10
273857	0.01	1.15	0.37	19	<1	0.10	14	300	38	6.92	13	12	0.08	26	<10
273858	<0.01	0.55	0.13	17	6	0.04	11	90	10	2.90	11	5	0.04	10	<10
273859	<0.01	0.62	0.31	19	1	0.08	14	140	5	2.65	27	8	0.08	18	<10
273860	0.19	2.36	0.35	41	5	0.07	26	360	7	2.39	28	14	0.16	45	<10
273861	<0.01	2.47	0.35	36	<1	0.07	23	370	4	2.48	21	13	0.18	46	<10
273862	0.14	0.82	0.13	15	6	0.03	9	100	6	1.70	20	5	0.06	15	<10
273863	<0.01	0.67	0.38	15	<1	0.10	11	150	12	2.95	11	15	0.07	19	<10
273864	<0.01	3.86	0.82	16	<1	0.19	41	1140	11	3.89	7	26	0.21	80	<10
273865	0.01	5.41	1.12	1045	<1	0.06	48	430	14	0.47	8	26	0.25	94	<10
273866	<0.01	4.04	1.04	1105	<1	0.05	40	270	8	0.73	8	25	0.29	74	<10
273867	0.01	0.71	0.98	880	1	0.20	36	280	282	>10.0	92	62	0.19	55	30
273868	0.01	0.86	1.14	451	3	0.29	25	400	35	6.80	85	35	0.20	64	10



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn	Zn
		ppm 2	% 0.01
273829		9	
273830		28	
273831		10	
273832		15	
273833		11	
273834		18	
273835		8	
273836		7	
273837		9	
273838		10	
273839		28	
273840		20	
273841		29	
273842		15	
273843		21	
273844		44	
273845		21	
273846		156	
273847		22	
273848		43	
273849		69	
273850		34	
273851		13	
273852		3	
273853		3	
273854		2	
273855		6	
273856		10	
273857		4	
273858		5	
273859		9	
273860		13	
273861		10	
273862		8	
273863		11	
273864		6	
273865		16	
273866		12	
273867		64	
273868		60	



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273869		2.44	0.319		3.0	4.94	2760	70	1.1	15	0.50	<0.5	9	116	505	13.40
273870		2.58	0.175		1.2	5.03	1055	160	1.1	5	1.46	<0.5	10	126	323	9.84
273871		1.82	0.093		2.0	5.66	1650	110	1.3	11	0.28	1.2	7	97	174	5.46
273872		1.90	0.090		1.7	2.06	4290	20	0.5	9	0.06	94.3	5	186	314	3.19
273873		3.24	0.019		<0.5	3.01	601	100	0.6	4	0.04	10.8	2	91	74	1.95
273874		1.52	0.021		<0.5	4.32	466	180	0.8	4	0.03	<0.5	5	130	116	2.34
273875		1.94	0.053		<0.5	8.10	250	340	1.7	3	0.10	<0.5	4	80	74	5.02
273876		2.58	0.123		<0.5	4.91	745	150	1.2	5	0.16	<0.5	9	94	248	13.55
273877		2.48	0.134		0.5	4.66	1090	140	1.1	7	0.21	<0.5	17	87	303	14.65
273878		1.20	0.210		1.2	4.35	2710	20	1.0	7	0.27	<0.5	18	168	91	11.55
273879		4.16	0.042		0.6	2.34	272	70	<0.5	5	0.04	<0.5	2	116	108	2.68
273880		3.28	0.070		0.6	3.46	272	110	0.8	5	0.06	<0.5	7	231	95	3.41
273881		1.60	0.050	0.051	0.9	2.46	136	100	0.5	3	0.04	<0.5	3	130	122	2.68
273882		3.72	0.034		<0.5	2.01	140	60	<0.5	<2	0.06	<0.5	3	183	71	2.12
273883		3.92	0.028		<0.5	4.13	851	120	0.9	2	0.10	<0.5	4	111	54	2.31
273884		3.10	0.013		<0.5	2.07	184	70	<0.5	4	0.35	<0.5	4	190	70	1.50
273885		3.94	0.027		0.5	1.92	430	50	<0.5	<2	0.13	<0.5	7	106	60	2.55
273886		2.80	0.022		<0.5	2.27	108	100	<0.5	<2	0.04	<0.5	3	166	112	1.64
273887		1.94	0.016		<0.5	3.54	94	160	0.7	<2	0.20	<0.5	4	121	38	1.45
273888		3.02	0.035		1.2	2.63	197	120	0.5	5	0.04	<0.5	4	182	162	2.31
273889		3.00	0.119		3.2	1.88	401	30	<0.5	8	0.04	<0.5	4	190	348	3.76
273890		2.90	0.048		1.4	2.55	346	80	0.5	5	0.05	<0.5	5	217	194	2.21
273891		2.54	0.007		<0.5	6.58	94	410	1.4	<2	0.23	<0.5	5	172	42	2.60
273892		1.62	0.008		<0.5	3.90	61	210	0.7	<2	0.65	<0.5	7	165	35	2.66
273893		4.14	0.012		<0.5	9.22	102	660	2.1	<2	0.56	<0.5	15	130	32	3.98
273894		1.46	0.008		<0.5	3.22	61	170	0.6	<2	0.60	<0.5	6	169	39	3.41
273895		2.28	0.005		<0.5	8.91	65	660	2.0	<2	0.61	<0.5	11	133	25	4.52
273896		4.10	0.011		<0.5	6.18	110	400	1.3	<2	0.34	<0.5	12	168	38	3.17
273897		3.64	<0.005		<0.5	9.88	68	790	2.4	<2	0.13	<0.5	17	104	35	4.68
273898		3.46	0.005		<0.5	8.93	53	680	2.1	<2	0.20	<0.5	19	104	78	5.44
273899		3.66	<0.005		<0.5	9.59	38	760	2.4	<2	0.31	<0.5	13	123	39	4.65
273900		4.04	0.017		<0.5	9.66	77	790	2.6	<2	0.30	<0.5	16	114	40	4.94
273901		1.78	<0.005	<0.005	<0.5	9.64	49	770	2.5	2	0.30	<0.5	14	108	36	4.59
273902		3.06	<0.005		<0.5	7.92	27	600	2.0	<2	0.48	<0.5	13	85	36	4.11
273903		3.38	<0.005		<0.5	6.06	28	470	1.5	3	0.80	<0.5	11	96	28	3.05
273904		2.70	<0.005		<0.5	5.98	21	520	1.5	2	3.47	<0.5	10	76	24	3.08
273905		2.68	<0.005		<0.5	5.04	34	460	1.2	<2	4.03	<0.5	8	67	20	3.33
273906		3.76	<0.005		<0.5	3.81	29	450	0.9	<2	4.71	<0.5	8	74	10	2.50
273907		3.68	<0.005		<0.5	6.35	14	1000	1.7	<2	4.70	<0.5	13	56	37	3.06
273908		3.32	<0.005		<0.5	6.85	25	800	1.9	2	4.11	<0.5	12	58	61	3.90



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273869		0.01	0.86	1.02	768	2	0.25	37	590	53	>10.0	108	44	0.18	76	10
273870		<0.01	1.88	0.96	2530	<1	0.09	33	580	42	8.36	31	73	0.15	76	10
273871		0.01	1.44	0.78	301	2	0.19	19	330	228	5.16	20	36	0.16	56	10
273872		0.30	0.27	0.44	105	<1	0.12	8	100	419	3.88	12	15	0.06	14	<10
273873		0.04	1.10	0.28	22	3	0.06	5	130	21	1.88	11	10	0.10	20	<10
273874		<0.01	1.78	0.29	23	<1	0.06	9	130	15	2.23	26	10	0.11	26	<10
273875		<0.01	3.36	0.65	596	1	0.10	17	330	20	3.47	9	19	0.23	72	10
273876		<0.01	1.68	1.20	1940	1	0.10	40	540	99	7.84	10	13	0.19	73	10
273877		0.01	1.72	1.34	3160	2	0.09	45	740	73	9.34	11	12	0.23	80	10
273878		<0.01	0.26	1.09	1005	<1	0.31	44	590	27	>10.0	15	23	0.19	63	10
273879		0.01	0.91	0.19	60	3	0.04	8	150	9	2.49	34	8	0.07	17	<10
273880		<0.01	1.14	0.38	76	<1	0.09	16	200	16	3.26	14	10	0.11	27	<10
273881		<0.01	0.70	0.33	61	4	0.09	13	130	8	2.39	17	8	0.07	20	<10
273882		0.02	0.71	0.19	22	<1	0.05	8	240	10	1.99	19	6	0.06	14	<10
273883		<0.01	1.10	0.57	20	3	0.15	13	370	42	1.92	12	13	0.14	33	<10
273884		<0.01	0.72	0.20	38	<1	0.05	13	1540	8	1.27	12	12	0.07	16	<10
273885		<0.01	0.54	0.26	20	3	0.07	13	540	17	2.38	13	9	0.06	15	<10
273886		0.01	1.02	0.12	17	<1	0.02	9	140	5	1.53	10	5	0.07	16	<10
273887		<0.01	1.51	0.19	22	3	0.04	11	870	7	1.20	6	10	0.13	28	<10
273888		<0.01	1.02	0.22	17	<1	0.05	12	160	10	2.21	26	7	0.10	20	<10
273889		<0.01	0.44	0.31	17	1	0.06	8	120	36	3.73	72	6	0.06	14	<10
273890		<0.01	0.94	0.19	68	6	0.04	16	170	5	1.87	32	8	0.10	22	10
273891		<0.01	3.23	0.58	471	1	0.03	22	200	8	1.02	5	14	0.25	55	<10
273892		<0.01	1.82	0.62	471	2	0.03	21	120	7	1.22	<5	20	0.12	29	<10
273893		<0.01	4.65	1.13	732	<1	0.15	33	340	12	0.85	7	45	0.34	87	<10
273894		<0.01	1.42	0.61	464	3	0.04	27	110	14	1.78	5	16	0.09	24	<10
273895		<0.01	4.64	1.21	1105	<1	0.06	36	440	11	0.39	8	38	0.33	85	<10
273896		<0.01	2.84	0.67	521	2	0.07	29	250	9	1.14	5	23	0.22	51	<10
273897		<0.01	4.88	1.14	734	<1	0.12	42	460	12	0.36	10	29	0.45	95	<10
273898		<0.01	4.15	1.29	677	<1	0.11	46	400	10	1.09	14	29	0.38	86	<10
273899		<0.01	4.35	1.28	627	<1	0.12	40	450	14	0.51	6	43	0.39	91	<10
273900		<0.01	4.28	1.42	584	<1	0.24	50	500	17	0.33	6	41	0.49	99	<10
273901		<0.01	4.13	1.36	530	<1	0.22	44	490	18	0.25	5	41	0.48	95	<10
273902		<0.01	3.26	1.72	480	<1	0.12	37	460	12	0.05	<5	44	0.35	82	<10
273903		<0.01	2.50	1.50	456	<1	0.07	31	430	12	0.03	6	63	0.31	72	<10
273904		<0.01	2.48	2.93	832	1	0.07	26	430	9	0.01	<5	196	0.29	66	<10
273905		<0.01	2.23	3.08	871	<1	0.06	26	400	8	0.01	<5	188	0.24	58	<10
273906		<0.01	1.86	2.86	950	1	0.04	18	300	5	0.03	<5	234	0.20	43	<10
273907		<0.01	3.13	3.23	792	<1	0.06	30	450	8	0.06	6	268	0.29	74	<10
273908		<0.01	3.07	3.19	1080	<1	0.06	31	460	10	0.06	5	185	0.28	128	<10



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method	ME-ICP61	Zn-AA62
	Analyte	Zn	Zn
	Units LOR	ppm 2	% 0.01
273869		57	
273870		35	
273871		318	
273872		>10000	2.28
273873		2630	
273874		42	
273875		13	
273876		45	
273877		45	
273878		20	
273879		16	
273880		18	
273881		22	
273882		11	
273883		9	
273884		8	
273885		8	
273886		13	
273887		6	
273888		20	
273889		46	
273890		25	
273891		7	
273892		3	
273893		8	
273894		7	
273895		15	
273896		9	
273897		36	
273898		38	
273899		34	
273900		64	
273901		56	
273902		56	
273903		31	
273904		37	
273905		26	
273906		13	
273907		36	
273908		43	



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CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273909		3.28	<0.005		<0.5	7.22	53	630	1.9	2	4.02	<0.5	14	63	55	3.26
273910		1.14	0.024		<0.5	5.95	92	440	1.4	2	6.19	<0.5	13	64	95	3.58
273911		1.84	<0.005		<0.5	6.41	32	670	1.7	<2	5.10	<0.5	11	52	33	2.91
273912		2.40	<0.005		<0.5	4.32	23	570	1.2	<2	5.08	<0.5	10	71	12	2.23
273913		2.16	<0.005		<0.5	5.10	27	680	1.4	<2	5.53	<0.5	10	72	34	2.92
273914		2.84	0.007		<0.5	5.61	35	530	1.4	<2	5.57	<0.5	9	57	13	2.60
273915		2.62	<0.005		<0.5	5.10	21	580	1.4	<2	5.03	<0.5	10	50	35	2.77
273916		1.90	<0.005		<0.5	4.13	11	630	1.2	<2	5.52	<0.5	7	64	15	2.38
273917		2.10	<0.005		<0.5	7.45	28	790	2.0	<2	4.14	<0.5	12	58	56	3.49
273918		2.74	0.014		<0.5	7.04	49	570	1.8	<2	4.28	<0.5	14	79	34	2.69
273919		2.58	0.015		<0.5	2.21	88	130	0.6	2	19.60	2.2	5	25	43	4.52
273920		3.62	0.006		0.8	7.14	392	560	1.7	<2	4.98	<0.5	8	50	42	2.67
273921		1.70	0.008	0.009	<0.5	6.74	233	540	1.6	<2	5.42	<0.5	10	39	19	2.88
273922		2.70	0.009		0.9	8.49	549	580	2.3	2	1.18	<0.5	14	67	29	2.59
273923		2.98	0.015		<0.5	6.13	338	380	1.5	4	1.72	<0.5	4	70	82	3.36
273924		2.06	0.151		<0.5	2.48	1760	60	0.6	5	0.20	<0.5	1	108	12	3.52
273925		2.84	0.231		0.9	2.51	2740	20	0.6	33	0.66	<0.5	7	183	12	10.15
273926		2.90	0.231		56.5	2.09	961	70	0.5	62	0.31	0.7	3	91	934	3.05
273927		3.14	0.221		25.1	3.75	1120	130	1.0	20	0.41	<0.5	4	132	549	2.56
273928		3.20	0.140		0.8	3.01	1620	100	0.8	3	0.71	<0.5	5	87	72	2.36



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	ME-ICP61	Zn-AA62
		Zn ppm 2	Zn % 0.01
273909		34	
273910		20	
273911		33	
273912		28	
273913		28	
273914		18	
273915		36	
273916		32	
273917		59	
273918		24	
273919		756	
273920		19	
273921		18	
273922		10	
273923		7	
273924		4	
273925		7	
273926		73	
273927		30	
273928		9	



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Page: 1

Finalized Date: 3-SEP-2004

Account: STRGOL

QC CERTIFICATE VA04056034

Project: Hyland 1744

P.O. No.:

This report is for 140 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 19-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Zn-AA62	Ore grade Zn - four acid / AAS	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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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:

QC CERTIFICATE OF ANALYSIS VA04056034



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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
STANDARDS		
CCU-1c		4.08
Target Range - Lower Bound		3.84
Upper Bound		4.14
G2000		
G2000		
G2000		
G2000		
G2000		
G2000		
G2000		
G2000		
Target Range - Lower Bound		
Upper Bound		
GS01-2		
GS01-2		
GS01-2		
GS01-2		
Target Range - Lower Bound		
Upper Bound		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		
JWB-JV-1		0.96
Target Range - Lower Bound		0.91
Upper Bound		0.99
MER-03		
MER-03		
MER-03		
Target Range - Lower Bound		
Upper Bound		
OXK18		
OXK18		
OXK18		
OXK18		
Target Range - Lower Bound		
Upper Bound		

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QC CERTIFICATE OF ANALYSIS VA04056034

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
Sample Description																
BLANKS																
BLANK	<0.005															0.01
BLANK	<0.005	<0.005														<0.01
BLANK	<0.005															<0.01
BLANK																<0.01
BLANK																
BLANK																
BLANK	<0.005															
BLANK			<0.5	<0.01	<5	<10	<0.5	2	<0.01	<0.5	<1	<1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	2	<0.01	<0.5	<1	1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01		
BLANK			<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01		
Target Range - Lower Bound	<0.005	<0.005	<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<0.01	
Upper Bound	0.010	0.010	1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	0.02	
DUPLICATES																
273795	0.010															
DUP	0.009															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
273798																0.01
DUP																0.01
Target Range - Lower Bound																<0.01
Upper Bound																0.02
273814			<0.5	5.13	400	410	1.2	53	6.47	<0.5	23	131	604	7.97		
DUP			<0.5	5.10	425	400	1.2	51	6.31	<0.5	24	132	608	7.82		
Target Range - Lower Bound			<0.5	4.84	382	360	<0.5	45	6.05	<0.5	20	123	574	7.48		
Upper Bound			1.0	5.39	443	450	2.3	59	6.73	1.0	27	140	638	8.31		



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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
273815 DUP Target Range - Lower Bound Upper Bound		DUPLICATES
273834 DUP Target Range - Lower Bound Upper Bound		
273835 DUP Target Range - Lower Bound Upper Bound		
273850 DUP Target Range - Lower Bound Upper Bound		
273870 DUP Target Range - Lower Bound Upper Bound		
273872 DUP Target Range - Lower Bound Upper Bound		2.28 2.26 2.19 2.35
273873 DUP Target Range - Lower Bound Upper Bound		
273875 DUP Target Range - Lower Bound Upper Bound		



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QC CERTIFICATE OF ANALYSIS VA04056034

Sample Description	Method Analyte Units LOR	Zn-AA62 Zn % 0.01
273886 DUP Target Range - Lower Bound Upper Bound		DUPLICATES
273893 DUP Target Range - Lower Bound Upper Bound		
273906 DUP Target Range - Lower Bound Upper Bound		
273913 DUP Target Range - Lower Bound Upper Bound		
273922 DUP Target Range - Lower Bound Upper Bound		
ORIGINAL DUP Target Range - Lower Bound Upper Bound		
ORIGINAL DUP Target Range - Lower Bound Upper Bound		



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Page: 1
Finalized Date: 18-SEP-2004
Account: STRGOL

CERTIFICATE VA04057004

Project: 1744

P.O. No.:

This report is for 130 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

18

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
----------	-------------

WEI-21	Received Sample Weight
LOG-22	Sample login - Rod w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
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Signature:



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Project: 1744

CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273929		2.90	<0.005		<0.5	1.98	39	120	0.5	<2	7.89	<0.5	1	56	3	1.82
273930		2.04	0.007		0.7	7.27	11	490	1.8	<2	6.31	<0.5	9	67	21	3.07
273931		3.86	0.005		0.7	4.85	20	300	1.1	<2	12.75	<0.5	5	34	14	2.40
273932		4.24	0.010		<0.5	3.46	98	240	0.7	<2	10.40	<0.5	3	76	33	2.30
273933		3.74	0.020		0.7	6.77	184	450	1.5	3	5.53	<0.5	8	67	19	4.57
273934		4.26	0.009		<0.5	6.07	34	410	1.3	<2	9.72	<0.5	6	59	14	2.94
273935		5.78	0.014		<0.5	6.65	70	430	1.4	<2	5.30	<0.5	7	88	16	2.99
273936		6.02	0.013		<0.5	5.54	46	340	1.2	3	9.20	<0.5	6	51	17	2.07
273937		1.72	0.016		<0.5	7.13	141	400	1.6	3	4.89	<0.5	9	88	33	3.34
273938		0.48	0.027		<0.5	6.44	116	290	1.8	3	9.27	<0.5	6	76	22	3.53
273939		1.62	0.124		0.5	2.02	2540	60	<0.5	26	1.77	<0.5	6	97	25	18.95
273940		5.78	0.018		<0.5	8.25	410	530	2.1	13	2.10	<0.5	11	82	11	4.50
273941		2.62	0.019	0.019	<0.5	8.39	436	490	2.0	14	2.28	<0.5	13	85	13	4.99
273942		3.24	0.008		<0.5	7.57	142	520	2.0	8	2.96	<0.5	11	83	19	3.10
273943		3.98	0.036		<0.5	7.69	474	390	2.0	19	2.49	<0.5	11	74	16	5.72
273944		5.30	0.018		<0.5	8.18	191	510	2.1	16	2.40	<0.5	11	77	13	3.49
273945		5.76	0.015		<0.5	8.19	212	540	2.3	15	1.74	<0.5	13	74	15	3.72
273946		3.94	0.014		<0.5	8.85	222	590	2.5	10	1.41	<0.5	14	94	24	3.29
273947		3.84	0.018		<0.5	8.14	361	560	2.2	15	2.54	<0.5	13	83	13	4.47
273948		2.32	0.026		<0.5	8.69	502	480	2.4	21	1.54	<0.5	13	99	9	4.72
273949		3.90	0.005		<0.5	8.65	246	620	2.4	2	1.22	<0.5	12	71	23	2.40
273950		1.50	0.051		<0.5	9.01	3410	500	2.7	21	0.69	<0.5	18	97	19	5.19
273951		3.80	0.007		<0.5	8.35	163	600	2.3	5	1.61	<0.5	11	69	24	2.67
273952		5.68	0.012		<0.5	8.74	144	590	2.5	<2	1.03	<0.5	16	88	32	3.82
273953		4.80	0.027		<0.5	8.40	163	610	2.4	5	2.07	<0.5	13	67	31	2.92
273954		2.30	0.152		<0.5	8.29	738	560	2.4	7	1.78	<0.5	16	102	15	3.15
273955		4.02	<0.005		<0.5	8.91	50	580	2.5	<2	0.95	<0.5	17	71	27	3.16
273956		4.14	0.007		<0.5	9.30	109	580	2.6	3	1.04	<0.5	12	77	28	3.33
273957		5.26	<0.005		<0.5	8.71	60	640	2.5	3	1.16	<0.5	9	72	29	2.14
273958		1.52	<0.005		<0.5	8.11	222	620	2.3	6	2.05	<0.5	12	99	21	3.53
273959		1.96	<0.005		<0.5	4.15	315	290	1.1	2	2.27	<0.5	9	120	13	3.74
273960		4.44	<0.005		<0.5	9.81	32	620	2.8	4	1.02	<0.5	16	79	28	3.85
273961		1.94	<0.005	<0.005	<0.5	9.74	11	600	2.7	<2	1.02	<0.5	17	82	28	4.02
273962		2.90	<0.005		<0.5	9.72	21	560	2.7	<2	1.13	<0.5	16	81	31	4.60
273963		1.64	<0.005		<0.5	5.55	25	330	1.5	<2	4.29	<0.5	10	106	26	4.27
273964		3.00	0.011		<0.5	8.92	114	590	2.4	3	2.14	<0.5	15	82	26	3.74
273965		4.94	<0.005		<0.5	9.67	49	630	2.7	<2	1.32	<0.5	19	85	34	4.74
273966		4.08	0.007		<0.5	9.84	37	580	2.8	<2	0.53	<0.5	20	97	38	4.89
273967		6.00	0.025		<0.5	8.75	170	530	2.5	<2	1.22	<0.5	16	80	33	4.39
273968		4.94	<0.005		<0.5	9.57	28	540	2.6	<2	0.58	<0.5	14	86	32	4.29



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Total # Pages: 5 (A - C)
Finalized Date: 18-SEP-2004
Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273929		<0.01	0.92	2.68	621	<1	0.02	5	170	11	0.65	<5	141	0.04	12	<10
273930		<0.01	3.54	1.47	264	<1	0.05	29	350	60	3.12	11	190	0.28	68	<10
273931		<0.01	2.24	1.10	366	<1	0.04	18	190	64	2.02	7	389	0.15	39	<10
273932		<0.01	1.57	0.45	724	<1	0.03	11	100	20	1.80	5	306	0.08	22	<10
273933		<0.01	3.25	1.00	1565	<1	0.06	26	590	24	2.59	9	118	0.25	60	<10
273934		<0.01	2.90	0.94	831	<1	0.05	21	330	16	1.59	7	234	0.21	53	<10
273935		<0.01	3.07	0.74	535	<1	0.07	24	320	8	2.22	11	146	0.22	55	10
273936		<0.01	2.51	0.61	539	<1	0.09	16	390	9	1.46	9	356	0.17	43	<10
273937		<0.01	3.24	0.84	717	<1	0.11	29	700	7	2.21	13	158	0.27	66	<10
273938		<0.01	2.53	0.91	918	<1	0.07	27	1280	10	2.72	10	547	0.21	69	<10
273939		<0.01	0.90	0.71	1075	1	0.03	22	230	19	>10.0	9	33	0.05	18	<10
273940		<0.01	3.82	0.85	826	<1	0.17	31	490	7	3.92	8	73	0.27	72	<10
273941		<0.01	3.85	0.90	895	<1	0.17	29	480	5	4.43	8	76	0.25	70	<10
273942		<0.01	3.66	0.97	963	<1	0.20	30	440	5	1.38	6	94	0.27	68	<10
273943		<0.01	3.54	0.98	958	<1	0.18	36	360	6	4.97	9	84	0.22	64	<10
273944		<0.01	3.69	1.05	1015	<1	0.19	30	310	2	2.20	10	82	0.27	66	<10
273945		<0.01	3.86	0.87	775	<1	0.19	29	410	4	2.81	10	68	0.28	70	<10
273946		<0.01	4.05	0.94	585	1	0.21	42	470	7	2.42	12	73	0.32	82	10
273947		<0.01	3.71	1.05	1015	1	0.17	36	410	8	3.64	14	76	0.27	70	<10
273948		<0.01	3.98	0.90	609	<1	0.20	31	310	8	4.59	5	68	0.26	74	10
273949		<0.01	4.17	1.00	683	<1	0.18	28	300	2	0.57	11	61	0.33	75	<10
273950		<0.01	4.18	0.62	347	<1	0.19	43	330	2	4.94	9	65	0.28	80	<10
273951		<0.01	3.82	1.04	714	<1	0.18	29	330	4	1.00	10	65	0.33	72	<10
273952		<0.01	3.35	1.12	706	<1	0.20	32	410	9	0.46	7	77	0.31	75	<10
273953		<0.01	3.75	1.12	962	<1	0.19	28	410	9	0.54	<5	89	0.33	73	<10
273954		<0.01	3.91	0.97	816	<1	0.18	30	340	7	1.84	12	85	0.31	70	<10
273955		<0.01	3.58	1.02	569	<1	0.20	31	350	2	0.46	6	77	0.32	76	<10
273956		<0.01	3.71	1.13	602	3	0.22	31	300	<2	0.47	10	81	0.32	75	<10
273957		<0.01	3.92	0.93	573	<1	0.21	25	290	<2	0.34	5	81	0.35	73	<10
273958		<0.01	3.64	1.02	865	<1	0.19	33	400	4	2.04	9	87	0.29	68	<10
273959		<0.01	1.63	0.85	1035	2	0.10	16	290	7	2.46	7	82	0.13	32	<10
273960		<0.01	3.71	1.08	574	<1	0.30	36	520	17	0.94	7	106	0.30	80	<10
273961		<0.01	3.39	1.06	569	<1	0.28	38	570	9	0.99	6	104	0.32	78	<10
273962		<0.01	3.10	1.18	682	<1	0.29	35	620	22	1.04	<5	116	0.28	77	<10
273963		<0.01	1.83	1.36	1865	1	0.20	22	390	26	0.88	<5	182	0.16	40	<10
273964		<0.01	3.67	1.27	1070	1	0.22	35	450	14	0.99	8	98	0.31	73	<10
273965		<0.01	3.42	1.22	892	<1	0.27	36	570	15	1.14	<5	105	0.31	80	<10
273966		<0.01	3.17	1.14	491	1	0.28	37	520	22	1.00	<5	98	0.33	83	<10
273967		<0.01	2.98	1.11	619	<1	0.31	36	560	28	1.06	<5	130	0.29	74	10
273968		<0.01	3.02	1.10	363	<1	0.39	35	460	21	0.58	<5	112	0.32	78	<10

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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273929		20
273930		100
273931		98
273932		10
273933		17
273934		24
273935		14
273936		11
273937		12
273938		8
273939		<2
273940		3
273941		2
273942		7
273943		5
273944		5
273945		3
273946		5
273947		5
273948		4
273949		10
273950		6
273951		11
273952		43
273953		22
273954		10
273955		32
273956		40
273957		17
273958		11
273959		8
273960		58
273961		61
273962		74
273963		44
273964		27
273965		61
273966		90
273967		89
273968		91



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CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
273969		6.44	<0.005		<0.5	8.83	19	510	2.4	<2	1.57	<0.5	14	77	34	4.28
273970		3.82	<0.005		<0.5	9.93	9	550	2.6	<2	0.44	<0.5	16	88	41	4.63
273971		5.42	<0.005		<0.5	9.53	21	540	2.6	<2	0.78	<0.5	14	85	35	4.31
273972		2.60	<0.005		<0.5	9.45	24	510	2.4	<2	0.81	<0.5	15	91	32	4.16
273973		1.62	0.010		<0.5	9.07	71	500	2.3	<2	1.66	<0.5	18	82	37	4.22
273974		2.02	<0.005		<0.5	7.03	28	450	1.8	<2	2.02	<0.5	15	104	29	3.17
273975		0.88	<0.005		<0.5	4.85	25	280	1.1	<2	13.15	<0.5	8	48	17	1.85
273976		3.70	<0.005		<0.5	8.82	15	510	2.0	<2	0.79	<0.5	18	85	41	4.17
273977		3.64	<0.005		<0.5	8.66	13	540	2.2	<2	0.43	<0.5	20	78	40	4.00
273978		2.00	<0.005		<0.5	8.91	17	560	2.1	<2	0.55	<0.5	20	80	51	4.17
273979		3.84	<0.005		<0.5	2.87	9	170	0.7	<2	27.5	<0.5	5	21	17	1.26
273980		0.84	<0.005		<0.5	5.81	23	480	1.6	<2	8.19	<0.5	13	61	50	2.64
273981		0.52	<0.005	<0.005	<0.5	5.67	29	480	1.5	<2	8.61	<0.5	13	49	41	2.69
273982		3.72	<0.005		<0.5	7.22	6	570	2.0	<2	3.92	<0.5	13	76	49	3.43
273983		4.36	0.009		<0.5	4.70	18	340	1.3	<2	7.90	<0.5	11	79	34	2.22
273984		2.08	0.007		<0.5	5.36	42	300	1.3	<2	10.85	<0.5	10	59	44	2.61
273985		3.84	0.005		<0.5	4.93	40	280	1.1	<2	2.81	<0.5	14	132	32	2.69
273986		3.62	<0.005		<0.5	10.05	46	650	2.6	<2	0.45	<0.5	20	94	49	4.83
273987		3.46	0.027		<0.5	6.27	376	360	1.5	2	0.86	<0.5	13	144	133	3.12
273988		1.40	<0.005		<0.5	4.93	30	300	1.1	<2	0.93	<0.5	8	104	7	2.14
273989		0.80	0.009		75.9	3.89	56	1810	0.9	<2	2.02	2.1	9	239	309	2.73
273990		3.62	0.024		<0.5	4.23	1930	230	0.9	2	1.48	<0.5	10	105	39	3.30
273991		2.48	<0.005		<0.5	4.65	27	240	1.0	<2	0.94	<0.5	8	146	19	2.10
273992		4.40	<0.005		<0.5	4.90	23	280	1.1	<2	1.14	<0.5	10	94	19	2.45
273993		3.94	0.007		<0.5	6.84	26	490	1.6	<2	13.80	<0.5	11	56	27	2.63
273994		3.56	<0.005		<0.5	3.77	13	350	0.9	<2	25.1	<0.5	4	25	17	1.54
273995		3.72	0.015		<0.5	7.56	43	600	1.9	<2	10.65	<0.5	15	71	30	3.34
273996		3.80	0.006		<0.5	4.35	5	320	1.0	<2	19.65	<0.5	5	38	23	1.93
273997		1.66	0.005		<0.5	8.52	37	680	2.5	<2	4.75	<0.5	25	83	50	4.00
273998		2.40	<0.005		0.5	9.75	49	820	2.5	<2	1.08	<0.5	23	88	63	4.45
273999		3.82	0.008		<0.5	3.38	22	240	0.8	<2	21.1	<0.5	5	37	16	1.58
274000		3.40	<0.005		<0.5	5.68	30	400	1.3	<2	13.85	<0.5	9	44	26	2.23
389351		1.38	<0.005	<0.005	<0.5	5.87	31	440	1.3	<2	15.40	<0.5	8	48	29	2.36
389352		1.30	0.008		<0.5	8.84	85	690	2.5	3	0.57	<0.5	16	86	56	3.56
389353		3.74	0.072		<0.5	4.98	211	310	1.2	8	1.00	<0.5	9	128	49	2.25
389354		3.62	<0.005		<0.5	7.44	22	460	1.8	2	0.47	<0.5	13	113	26	3.56
389355		3.76	<0.005		<0.5	5.55	11	300	1.2	2	0.69	<0.5	9	83	18	2.72
389356		4.32	<0.005		<0.5	7.40	47	520	1.7	3	0.97	<0.5	12	110	43	3.65
389357		3.60	0.010		<0.5	5.40	89	420	1.2	2	1.12	<0.5	8	79	28	2.40
389358		3.56	<0.005		<0.5	7.56	48	580	2.0	<2	1.87	<0.5	18	96	35	3.94



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Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
273969		<0.01	2.89	1.16	640	<1	0.53	36	670	30	0.84	<5	162	0.31	73	<10
273970		<0.01	3.23	1.19	362	1	0.60	37	660	21	0.62	<5	118	0.34	82	<10
273971		<0.01	3.16	1.13	471	1	0.61	35	540	28	0.53	<5	128	0.31	77	<10
273972		<0.01	3.02	1.10	468	<1	0.61	33	330	13	0.50	<5	121	0.25	74	<10
273973		<0.01	3.07	1.08	554	<1	0.45	38	590	19	0.54	<5	134	0.30	73	<10
273974		<0.01	2.60	1.12	648	<1	0.32	37	390	6	0.20	<5	142	0.29	66	<10
273975		<0.01	1.85	0.87	466	<1	0.38	17	330	9	0.51	<5	772	0.17	42	<10
273976		<0.01	2.91	1.00	489	<1	0.48	38	450	19	0.06	<5	97	0.22	98	<10
273977		<0.01	2.92	0.93	370	<1	0.52	40	580	31	0.03	<5	79	0.30	101	<10
273978		<0.01	2.90	0.96	263	1	0.26	35	440	9	0.12	<5	78	0.33	97	<10
273979		<0.01	1.20	0.68	260	3	0.10	15	270	19	0.58	5	1435	0.11	27	<10
273980		<0.01	2.48	2.42	526	4	0.10	26	340	12	0.57	<5	427	0.24	90	<10
273981		<0.01	2.53	2.43	513	5	0.10	26	340	8	0.66	<5	480	0.22	87	<10
273982		<0.01	2.61	2.72	821	<1	0.11	32	410	7	0.07	<5	244	0.32	73	<10
273983		<0.01	1.69	1.68	485	<1	0.06	23	330	5	0.23	<5	431	0.19	56	<10
273984		<0.01	2.24	1.47	448	<1	0.10	23	380	9	0.62	<5	577	0.23	56	<10
273985		<0.01	1.75	0.98	744	1	0.07	24	150	3	0.30	<5	122	0.18	44	<10
273986		<0.01	4.12	1.24	570	<1	0.15	49	500	7	0.08	<5	59	0.34	90	<10
273987		<0.01	2.19	0.74	455	1	0.09	32	160	6	0.39	<5	55	0.19	59	<10
273988		<0.01	1.62	0.54	466	2	0.07	18	130	4	0.02	<5	40	0.13	44	<10
273989		<0.01	1.38	0.72	698	3	0.09	34	180	7	0.22	<5	91	0.13	34	290
273990		<0.01	1.33	0.69	641	1	0.06	23	90	7	1.12	<5	42	0.13	35	<10
273991		<0.01	1.39	0.51	399	1	0.07	19	120	2	0.07	<5	39	0.14	37	<10
273992		<0.01	1.48	0.63	410	<1	0.08	22	180	4	0.07	<5	53	0.18	41	<10
273993		<0.01	2.83	0.87	760	<1	0.14	25	470	14	0.87	<5	531	0.22	54	<10
273994		<0.01	1.55	0.59	466	<1	0.08	14	390	12	0.74	<5	1120	0.12	31	<10
273995		<0.01	3.21	1.10	756	1	0.19	34	480	23	1.47	<5	507	0.23	58	10
273996		<0.01	1.76	0.60	842	<1	0.08	19	460	17	0.80	<5	736	0.14	34	<10
273997		<0.01	3.51	1.00	719	1	0.15	43	710	29	1.10	<5	182	0.28	77	<10
273998		<0.01	3.99	1.39	394	<1	0.16	50	420	27	0.33	<5	70	0.29	89	<10
273999		<0.01	1.48	0.53	542	<1	0.07	13	330	17	0.88	<5	874	0.12	28	<10
274000		<0.01	2.37	0.82	558	1	0.12	22	260	8	1.04	<5	615	0.19	47	<10
389351		<0.01	2.52	0.86	576	<1	0.12	24	280	13	1.06	<5	638	0.19	47	<10
389352		<0.01	3.95	1.14	366	1	0.15	40	460	4	0.51	<5	49	0.36	84	<10
389353		<0.01	1.94	0.67	484	1	0.18	22	240	5	0.20	<5	42	0.18	43	<10
389354		<0.01	2.56	0.99	410	<1	0.67	36	240	3	0.03	<5	59	0.25	67	<10
389355		<0.01	1.64	0.70	496	1	0.95	27	230	6	0.02	<5	67	0.18	47	<10
389356		<0.01	2.77	0.99	676	1	0.37	37	250	4	0.18	<5	61	0.25	66	<10
389357		<0.01	2.12	0.63	587	1	0.24	24	290	<2	0.35	<5	51	0.20	48	<10
389358		<0.01	3.02	1.52	1720	<1	0.26	43	510	5	0.27	<5	112	0.38	83	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
273969		93
273970		100
273971		90
273972		74
273973		68
273974		31
273975		14
273976		79
273977		81
273978		84
273979		34
273980		26
273981		23
273982		57
273983		36
273984		40
273985		14
273986		68
273987		24
273988		11
273989		43
273990		29
273991		22
273992		26
273993		41
273994		32
273995		64
273996		34
273997		82
273998		90
273999		31
274000		41
389351		44
389352		50
389353		19
389354		47
389355		36
389356		39
389357		11
389358		47



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
389359		3.42	<0.005		<0.5	8.23	53	620	2.2	9	1.85	<0.5	20	77	142	4.25
389360		3.68	0.010		<0.5	5.53	57	380	1.2	<2	1.10	<0.5	12	122	20	2.79
389361		1.52	0.006	0.006	<0.5	5.06	62	320	1.1	<2	0.97	<0.5	10	78	27	2.71
389362		3.36	<0.005		<0.5	4.71	13	250	1.0	2	0.97	<0.5	8	106	18	2.54
389363		3.14	<0.005		<0.5	4.85	6	260	1.0	<2	0.94	<0.5	8	70	16	2.41
389364		2.28	0.034		<0.5	6.26	153	450	1.5	7	7.30	<0.5	12	66	54	2.90
389365		3.20	<0.005		<0.5	4.82	16	280	1.0	<2	1.13	<0.5	6	69	13	2.13
389366		4.14	0.009		<0.5	7.23	66	480	1.6	2	1.14	<0.5	12	120	36	2.93
389367		2.22	0.005		<0.5	7.51	60	530	1.8	<2	1.16	<0.5	10	86	30	3.07
389368		3.80	<0.005		<0.5	5.94	36	380	1.3	<2	1.04	<0.5	9	115	21	2.98
389369		3.76	<0.005		<0.5	4.87	20	300	1.0	<2	1.18	<0.5	7	69	17	2.42
389370		3.44	<0.005		<0.5	7.57	20	550	2.0	<2	1.05	<0.5	11	108	64	3.42
389371		3.88	<0.005		<0.5	7.33	16	480	1.9	<2	0.59	<0.5	12	84	30	3.36
389372		3.70	<0.005		<0.5	5.76	6	300	1.2	<2	0.71	<0.5	9	122	18	2.85
389373		3.48	<0.005		<0.5	8.00	19	460	1.9	3	0.44	<0.5	13	86	36	4.05
389374		1.82	<0.005		<0.5	9.10	40	690	2.5	2	0.70	<0.5	16	112	46	4.23
389375		4.06	<0.005		<0.5	7.45	42	630	2.1	2	3.33	<0.5	14	55	36	3.77
389376		3.86	<0.005		<0.5	7.98	58	710	2.2	<2	2.52	<0.5	16	65	36	3.95
389377		2.16	<0.005		<0.5	4.89	42	470	1.1	2	1.34	<0.5	10	75	22	2.52
389378		2.64	0.006		<0.5	4.51	59	430	1.0	<2	1.38	<0.5	6	117	11	2.09
389379		3.52	<0.005		<0.5	7.33	47	510	1.8	<2	0.99	<0.5	11	83	27	3.49
389380		3.64	0.009		<0.5	6.99	45	600	1.6	4	1.58	<0.5	12	108	20	3.08
389381		1.46	<0.005	0.005	<0.5	7.11	36	670	1.6	2	1.40	<0.5	11	84	19	2.85
389382		3.22	<0.005		<0.5	3.68	60	340	0.7	4	1.56	<0.5	7	106	33	2.22
389383		3.98	<0.005		<0.5	7.88	25	620	2.1	<2	0.73	<0.5	15	122	31	3.86
389384		3.78	<0.005		<0.5	3.59	14	280	0.7	<2	1.34	<0.5	6	71	9	2.13
389385		3.16	<0.005		<0.5	4.41	12	260	0.8	<2	1.68	<0.5	7	124	11	2.50
389386		3.64	<0.005		<0.5	8.53	15	580	2.4	2	0.66	<0.5	15	90	36	3.78
389387		1.42	<0.005		<0.5	8.36	24	650	2.4	<2	0.66	<0.5	16	114	30	3.72
389388		3.08	<0.005		<0.5	4.10	21	430	0.9	<2	1.38	<0.5	7	69	15	1.72
389389		3.04	<0.005		<0.5	5.08	15	370	1.1	<2	1.04	<0.5	10	110	17	2.61
389390		4.04	<0.005		<0.5	4.82	12	260	1.0	<2	1.27	<0.5	9	72	18	2.43
389391		3.60	<0.005		<0.5	6.56	13	410	1.6	<2	0.82	<0.5	15	122	35	3.39
389392		3.28	<0.005		<0.5	5.96	23	470	1.4	<2	1.35	<0.5	10	88	17	2.67
389393		3.64	<0.005		<0.5	3.60	16	380	0.8	<2	1.54	<0.5	5	122	12	1.74
389394		3.68	<0.005		<0.5	4.94	17	470	1.2	<2	0.76	<0.5	9	79	11	2.73
389395		1.74	0.060		<0.5	4.39	94	480	1.0	<2	1.10	<0.5	8	116	12	4.13
389396		3.46	<0.005		<0.5	8.24	20	630	2.4	<2	2.03	<0.5	16	66	43	4.20
389397		3.76	<0.005		<0.5	7.95	15	630	2.4	<2	0.49	<0.5	19	68	47	4.12
389398		3.82	<0.005		<0.5	7.63	13	600	2.2	<2	1.66	<0.5	23	61	40	4.60



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To: STRATAGOLD EXPLORATION INC.
701-475 HOWE ST
VANCOUVER BC V6C 2B3

Page: 4 - B
Total # Pages: 5 (A - C)
Finalized Date: 18-SEP-2004
Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 B ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
389359		<0.01	3.22	1.74	1870	<1	0.12	52	870	8	0.19	<5	109	0.45	102	<10
389360		<0.01	1.74	0.70	512	<1	0.38	24	220	6	0.28	<5	56	0.20	49	<10
389361		<0.01	1.62	0.68	465	2	0.45	27	170	5	0.33	<5	57	0.17	44	<10
389362		<0.01	1.33	0.67	464	<1	0.23	22	220	4	0.09	<5	49	0.18	38	<10
389363		<0.01	1.44	0.63	475	<1	0.41	19	130	4	0.02	<5	58	0.17	42	<10
389364		<0.01	2.61	0.98	920	2	0.13	27	350	9	0.99	10	274	0.24	54	<10
389365		<0.01	1.44	0.55	362	1	0.24	20	390	5	0.05	<5	64	0.17	40	<10
389366		<0.01	2.59	0.81	372	<1	0.29	36	350	6	0.15	<5	69	0.26	66	<10
389367		<0.01	2.89	0.92	568	1	0.22	35	640	5	0.18	5	75	0.28	70	<10
389368		<0.01	1.96	0.81	536	1	0.50	27	270	2	0.12	<5	60	0.21	54	<10
389369		<0.01	1.62	0.65	680	1	0.46	22	450	<2	0.04	<5	58	0.17	40	<10
389370		<0.01	2.86	1.00	748	<1	0.35	37	280	5	0.06	<5	63	0.29	68	<10
389371		<0.01	2.48	0.89	389	1	0.75	31	890	2	0.05	<5	76	0.24	65	<10
389372		<0.01	1.68	0.74	544	<1	0.97	26	160	2	0.02	<5	79	0.20	51	<10
389373		<0.01	2.68	1.06	576	<1	0.79	37	330	8	0.05	<5	74	0.24	72	<10
389374		<0.01	3.70	1.24	825	<1	0.32	43	440	10	0.13	<5	75	0.39	86	10
389375		<0.01	3.20	1.84	2550	<1	0.09	40	550	8	0.14	<5	170	0.41	80	<10
389376		<0.01	3.46	1.62	1760	1	0.09	37	520	3	0.31	<5	120	0.36	78	<10
389377		<0.01	2.07	0.59	707	1	0.08	28	400	2	0.54	<5	47	0.18	42	<10
389378		<0.01	1.84	0.56	725	<1	0.07	18	150	3	0.37	<5	40	0.16	38	<10
389379		<0.01	2.64	0.88	452	<1	0.22	34	540	4	0.52	<5	57	0.24	66	<10
389380		<0.01	3.00	0.81	835	1	0.11	34	230	2	0.63	5	54	0.27	64	<10
389381		<0.01	2.96	0.77	749	<1	0.11	30	210	<2	0.39	7	52	0.27	66	<10
389382		<0.01	1.49	0.43	937	<1	0.06	22	270	4	0.43	<5	34	0.11	30	10
389383		<0.01	2.91	0.98	774	<1	0.16	39	310	2	0.07	<5	40	0.25	73	10
389384		<0.01	1.23	0.51	903	1	0.05	16	90	4	0.03	<5	37	0.10	29	10
389385		<0.01	1.22	0.65	893	1	0.13	20	110	5	0.03	<5	59	0.13	39	10
389386		<0.01	2.95	1.02	351	1	0.16	37	580	10	0.06	<5	57	0.27	79	10
389387		<0.01	3.18	0.99	596	1	0.11	40	260	4	0.05	<5	45	0.27	80	10
389388		<0.01	1.69	0.46	769	1	0.06	16	120	4	0.04	<5	28	0.12	35	10
389389		<0.01	1.54	0.69	525	<1	0.20	25	220	2	0.06	<5	40	0.15	44	10
389390		<0.01	1.27	0.64	456	1	0.29	20	570	5	0.05	<5	52	0.15	39	10
389391		<0.01	1.96	0.89	350	3	0.13	32	380	6	0.18	<5	49	0.22	58	10
389392		<0.01	2.00	0.69	542	3	0.14	25	200	6	0.10	<5	53	0.18	50	10
389393		<0.01	1.50	0.51	754	1	0.05	12	100	4	0.14	<5	29	0.11	29	10
389394		<0.01	1.68	0.64	501	1	0.09	23	180	2	0.06	<5	28	0.16	46	10
389395		<0.01	1.56	0.72	1470	1	0.06	22	170	4	0.13	<5	40	0.11	37	10
389396		<0.01	3.05	1.92	1970	1	0.07	41	710	15	0.18	<5	150	0.36	92	10
389397		<0.01	2.94	1.68	635	<1	0.24	42	580	19	0.08	<5	75	0.33	88	<10
389398		<0.01	2.71	1.58	1210	<1	0.43	45	700	21	0.04	<5	160	0.37	86	10



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701-475 HOWE ST
VANCOUVER BC V6C 2B3

Page: 4 - C
Total Pages: 5 (A - C)
Finalized Date: 18-SEP-2004
Account: STRGOL

Project: 1744

CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
389359		63
389360		18
389361		18
389362		33
389363		24
389364		40
389365		26
389366		58
389367		33
389368		33
389369		23
389370		47
389371		46
389372		36
389373		70
389374		62
389375		45
389376		38
389377		13
389378		6
389379		33
389380		15
389381		16
389382		6
389383		43
389384		12
389385		23
389386		67
389387		53
389388		5
389389		22
389390		33
389391		52
389392		20
389393		4
389394		16
389395		15
389396		79
389397		78
389398		79



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QC CERTIFICATE VA04057004

Project: 1744

P.O. No.:

This report is for 130 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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:



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QC CERTIFICATE OF ANALYSIS VA04057004

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QC CERTIFICATE OF ANALYSIS VA04057004

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
Sample Description	DUPLICATES														
273969			<0.5	8.83	19	510	2.4	<2	1.57	<0.5	14	77	34	4.28	
DUP			<0.5	8.90	10	520	2.5	<2	1.61	<0.5	15	80	32	4.34	
Target Range - Lower Bound			<0.5	8.40	<5	470	1.3	<2	1.49	<0.5	12	73	29	4.07	
Upper Bound			1.0	9.33	25	560	3.6	4	1.69	1.0	17	84	37	4.55	
273974															<0.01
DUP															<0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
273996	0.006														
DUP	<0.005	<0.005													
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
389355			<0.5	5.55	11	300	1.2	2	0.69	<0.5	9	83	18	2.72	
DUP			<0.5	5.65	6	320	1.3	<2	0.72	<0.5	10	84	18	2.82	
Target Range - Lower Bound			<0.5	5.30	<5	270	<0.5	<2	0.65	<0.5	7	77	15	2.61	
Upper Bound			1.0	5.90	10	350	2.3	4	0.76	1.0	12	90	21	2.93	
389360															<0.01
DUP															<0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
389366	0.009														
DUP	0.011	0.011													
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.021	0.022													
389386	<0.005														
DUP	<0.005	<0.005													
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
389391			<0.5	6.56	13	410	1.6	<2	0.82	<0.5	15	122	35	3.39	
DUP			<0.5	6.12	10	390	1.5	<2	0.76	<0.5	13	112	31	3.20	
Target Range - Lower Bound			<0.5	6.00	<5	360	<0.5	<2	0.73	<0.5	11	109	29	3.11	
Upper Bound			1.0	6.68	22	440	2.6	4	0.85	1.0	17	125	37	3.48	



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Project: 1744

QC CERTIFICATE OF ANALYSIS VA04057004

Sample Description	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
DUPLICATES																
273969		2.89	1.16	640	<1	0.53	36	670	30	0.84	<5	162	0.31	73	<10	93
DUP		2.91	1.18	650	1	0.54	35	630	27	0.83	<5	164	0.32	75	<10	93
Target Range - Lower Bound		2.74	1.09	603	<1	0.49	32	600	23	0.77	<5	153	0.28	68	<10	84
Upper Bound		3.07	1.25	687	2	0.58	39	700	34	0.90	10	173	0.35	80	20	102
273974																
DUP																
Target Range - Lower Bound																
Upper Bound																
273996																
DUP																
Target Range - Lower Bound																
Upper Bound																
389355		1.64	0.70	496	1	0.95	27	230	6	0.02	<5	67	0.18	47	<10	36
DUP		1.68	0.72	515	1	0.96	24	230	5	0.02	<5	68	0.19	48	<10	37
Target Range - Lower Bound		1.58	0.65	470	<1	0.89	22	200	<2	<0.01	<5	62	0.16	43	<10	31
Upper Bound		1.76	0.77	541	2	1.02	29	260	10	0.04	10	73	0.21	52	20	42
389360																
DUP																
Target Range - Lower Bound																
Upper Bound																
389366																
DUP																
Target Range - Lower Bound																
Upper Bound																
389386																
DUP																
Target Range - Lower Bound																
Upper Bound																
389391		1.96	0.89	350	3	0.13	32	380	6	0.18	<5	49	0.22	58	10	52
DUP		1.92	0.89	328	1	0.12	28	370	5	0.17	<5	47	0.19	56	10	48
Target Range - Lower Bound		1.82	0.83	311	<1	0.10	26	340	<2	0.15	<5	44	0.17	52	<10	44
Upper Bound		2.06	0.95	365	4	0.15	32	410	10	0.20	10	52	0.24	62	20	57



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Finalized Date: 21-SEP-2004
Account: STRGOL

CERTIFICATE VA04059513

Project: Hyland 1744

P.O. No.:

This report is for 161 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 1-SEP-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

19
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Signature: 



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 As ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M389409		5.58	<0.005		<0.5	1.86	31	90	<0.5	<2	0.25	<0.5	1	20	9	0.76
M389410		5.02	<0.005		<0.5	2.41	40	130	<0.5	<2	0.09	<0.5	3	72	20	0.92
M389411		4.84	<0.005		<0.5	2.43	56	170	<0.5	<2	0.04	<0.5	2	22	15	1.06
M389412		3.10	<0.005		<0.5	1.60	80	110	<0.5	<2	1.03	<0.5	3	81	12	1.32
M389413		2.74	0.038		<0.5	1.62	267	110	<0.5	<2	0.32	<0.5	3	29	21	0.90
M389414		3.24	<0.005		<0.5	8.69	71	600	2.3	<2	0.09	<0.5	14	94	33	4.31
M389415		2.66	<0.005		<0.5	10.55	34	790	3.0	3	0.23	<0.5	12	77	35	4.28
M389416		3.68	<0.005		<0.5	5.29	23	330	1.4	<2	0.85	<0.5	10	67	19	3.09
M389417		0.92	<0.005		<0.5	8.15	11	540	2.2	<2	2.90	<0.5	14	46	32	3.75
M389418		0.96	<0.005		<0.5	1.09	9	70	<0.5	<2	33.5	<0.5	3	12	5	0.52
M389419		3.74	<0.005		<0.5	7.68	19	400	2.3	<2	2.47	<0.5	13	51	31	3.45
M389420		2.44	<0.005		<0.5	8.45	24	470	2.6	<2	0.50	<0.5	19	62	43	3.60
M389421		1.32	<0.005	<0.005	<0.5	8.07	25	440	2.5	<2	0.59	<0.5	18	52	44	3.53
M389422		5.98	<0.005		<0.5	2.74	20	160	0.8	<2	0.69	<0.5	4	70	12	2.28
M389423		5.10	<0.005		<0.5	1.90	12	90	0.5	<2	0.49	<0.5	4	18	18	0.94
M389424		5.08	0.009		<0.5	3.98	21	190	1.1	2	0.80	<0.5	8	30	15	1.56
M389425		4.88	<0.005		<0.5	3.37	15	160	0.8	<2	1.84	<0.5	7	63	7	1.69
M389426		2.86	0.007		<0.5	0.76	8	60	<0.5	<2	33.9	<0.5	2	12	6	0.37
M389427		4.82	<0.005		<0.5	1.18	<5	70	<0.5	<2	34.2	<0.5	2	11	6	0.48
M389428		5.70	<0.005		<0.5	2.21	8	100	0.5	<2	30.6	<0.5	3	13	8	0.79
M389429		4.46	<0.005		<0.5	2.86	<5	130	0.6	<2	27.8	<0.5	4	16	11	1.02
M389430		4.68	<0.005		<0.5	4.70	10	220	1.2	<2	3.88	<0.5	9	32	23	2.24
M389431		5.56	<0.005		<0.5	5.22	<5	230	1.2	<2	19.05	<0.5	7	32	29	2.03
M389432		5.94	<0.005		<0.5	1.06	<5	70	<0.5	<2	34.0	<0.5	1	9	7	0.45
M389433		4.12	<0.005		<0.5	2.07	5	130	<0.5	<2	27.0	<0.5	4	15	17	1.38
M389434		4.58	<0.005		<0.5	8.99	22	500	2.0	<2	0.94	<0.5	13	68	37	4.12
M389435		1.88	0.050		<0.5	6.57	75	400	1.7	17	1.67	<0.5	14	79	11	3.72
M389436		3.50	0.006		<0.5	2.30	55	130	0.5	4	5.60	<0.5	3	14	11	2.01
M389437		1.92	0.045		<0.5	7.13	36	650	1.5	21	1.37	<0.5	10	71	11	2.78
M389438		3.14	<0.005		<0.5	2.03	7	480	0.5	5	5.90	<0.5	3	13	20	1.96
M389439		5.96	<0.005		<0.5	2.13	6	450	0.5	2	5.72	<0.5	3	33	6	1.56
M389440		5.78	<0.005		<0.5	3.07	<5	890	0.6	<2	6.12	<0.5	3	15	4	1.49
M389441		2.68	<0.005	<0.005	<0.5	2.28	<5	940	0.5	<2	6.48	<0.5	2	30	4	1.25
M389442		5.34	0.045		<0.5	3.39	<5	220	0.7	<2	6.39	<0.5	4	17	3	1.67
M389443		5.58	<0.005		<0.5	4.64	<5	230	0.9	<2	4.32	<0.5	5	38	2	2.26
M389444		5.72	<0.005		<0.5	6.06	<5	460	1.3	<2	3.52	<0.5	6	40	12	2.70
M389445		5.92	<0.005		<0.5	4.04	8	220	0.8	<2	5.11	<0.5	2	38	8	1.86
M389446		5.90	<0.005		<0.5	5.19	10	790	1.1	<2	5.32	<0.5	5	29	9	2.16
M389447		5.40	<0.005		<0.5	1.98	<5	90	<0.5	<2	8.02	<0.5	<1	24	3	1.08
M389448		6.00	<0.005		<0.5	2.49	10	380	<0.5	<2	6.72	<0.5	<1	14	5	0.96



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M389409		<0.01	0.78	0.10	220	1	0.03	6	100	<2	0.03	<5	10	0.06	11	<10
M389410		<0.01	1.05	0.11	269	<1	0.03	7	90	<2	0.06	<5	10	0.07	15	<10
M389411		<0.01	1.04	0.09	233	<1	0.03	7	140	<2	0.02	<5	12	0.07	15	<10
M389412		<0.01	0.68	0.15	645	<1	0.02	8	280	2	0.01	<5	19	0.06	14	<10
M389413		<0.01	0.67	0.12	352	<1	0.02	9	200	29	0.04	13	11	0.07	12	<10
M389414		<0.01	3.43	0.72	233	<1	0.09	36	260	18	0.05	<5	26	0.23	68	<10
M389415		<0.01	4.56	1.05	232	<1	0.09	36	450	14	0.03	<5	38	0.28	86	<10
M389416		<0.01	1.92	1.21	560	<1	0.04	26	390	20	0.02	<5	50	0.29	66	<10
M389417		<0.01	2.96	2.00	706	<1	0.20	32	390	6	<0.01	<5	119	0.29	66	<10
M389418		0.01	0.39	0.60	158	<1	0.01	3	350	10	<0.01	<5	3300	0.05	9	<10
M389419		<0.01	3.29	1.44	279	1	0.05	31	360	14	0.04	6	186	0.31	72	<10
M389420		<0.01	3.83	1.52	373	1	0.06	37	370	11	0.14	5	51	0.31	87	<10
M389421		<0.01	3.73	1.48	473	<1	0.06	34	340	11	0.14	<5	53	0.28	82	<10
M389422		<0.01	1.19	0.53	565	<1	0.03	11	300	2	0.06	14	37	0.11	31	<10
M389423		<0.01	0.82	0.36	235	<1	0.03	8	230	<2	0.05	10	25	0.10	25	<10
M389424		<0.01	1.73	0.62	419	1	0.05	14	770	<2	0.11	6	49	0.16	47	<10
M389425		<0.01	1.50	0.84	687	1	0.05	11	470	<2	0.08	<5	80	0.15	37	<10
M389426		0.01	0.30	0.34	105	<1	0.01	3	220	20	<0.01	<5	2380	0.03	6	<10
M389427		0.01	0.40	0.39	88	<1	0.09	3	250	4	0.34	<5	2090	0.04	9	<10
M389428		<0.01	0.72	0.48	140	<1	0.20	5	170	2	0.36	<5	2130	0.07	17	<10
M389429		0.01	0.95	0.56	170	<1	0.09	8	250	4	0.39	<5	1750	0.10	21	<10
M389430		<0.01	1.64	0.54	247	<1	0.13	18	200	9	0.16	<5	322	0.22	42	<10
M389431		<0.01	1.81	0.72	268	<1	0.17	21	390	12	0.54	12	1530	0.22	43	<10
M389432		<0.01	0.37	0.39	75	1	0.07	6	260	7	0.6	9	1835	0.04	9	<10
M389433		<0.01	0.80	1.07	436	<1	0.09	6	310	20	0.70	<5	1560	0.08	17	<10
M389434		<0.01	3.40	1.20	473	<1	0.22	37	200	<2	0.35	<5	77	0.27	93	<10
M389435		0.01	2.72	0.94	507	<1	0.09	29	210	<2	2.80	<5	85	0.23	76	10
M389436		<0.01	1.00	2.94	686	<1	0.03	6	110	21	0.67	<5	126	0.06	13	<10
M389437		<0.01	3.35	0.94	303	1	0.09	23	170	6	2.46	<5	66	0.26	76	<10
M389438		<0.01	0.93	3.20	854	<1	0.03	6	160	<2	0.58	6	116	0.06	13	<10
M389439		<0.01	0.98	2.69	480	<1	0.02	6	120	<2	0.63	<5	134	0.06	13	<10
M389440		<0.01	1.44	3.16	303	<1	0.05	7	160	<2	1.28	<5	174	0.07	18	<10
M389441		<0.01	1.04	3.48	284	<1	0.06	5	140	<2	1.02	<5	213	0.05	12	<10
M389442		<0.01	1.64	3.41	370	<1	0.02	9	200	<2	1.33	<5	78	0.08	25	<10
M389443		<0.01	2.28	2.13	466	<1	0.02	13	170	<2	1.73	<5	48	0.11	35	<10
M389444		<0.01	2.81	1.89	321	<1	0.05	20	160	5	2.49	<5	45	0.16	55	10
M389445		<0.01	1.98	2.52	280	<1	0.10	16	190	8	1.62	<5	64	0.10	34	10
M389446		<0.01	2.59	2.96	281	<1	0.21	20	130	3	1.98	<5	63	0.15	47	10
M389447		<0.01	1.01	4.28	238	<1	0.04	14	270	4	0.72	7	58	0.05	13	10
M389448		<0.01	1.34	3.59	134	<1	0.02	11	170	5	0.73	<5	54	0.06	14	10



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M389409		4
M389410		7
M389411		13
M389412		32
M389413		13
M389414		77
M389415		90
M389416		63
M389417		57
M389418		14
M389419		83
M389420		62
M389421		57
M389422		12
M389423		4
M389424		8
M389425		7
M389426		33
M389427		13
M389428		21
M389429		24
M389430		36
M389431		43
M389432		18
M389433		43
M389434		39
M389435		10
M389436		19
M389437		12
M389438		9
M389439		9
M389440		13
M389441		13
M389442		15
M389443		13
M389444		23
M389445		21
M389446		26
M389447		11
M389448		10



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M389449		5.24	<0.005		<0.5	3.18	<5	230	0.7	<2	5.24	<0.5	3	33	11	1.40
M389450		5.52	<0.005		<0.5	3.05	15	300	0.6	<2	5.89	<0.5	1	17	11	1.19
M389451		5.50	<0.005		<0.5	2.19	<5	130	<0.5	2	8.25	<0.5	1	20	6	0.89
M389452		6.12	<0.005		<0.5	4.08	<5	220	0.9	<2	5.40	<0.5	4	25	11	1.70
M389453		3.50	<0.005		<0.5	4.18	<5	570	0.8	<2	4.65	<0.5	3	39	15	1.72
M389454		5.86	<0.005		<0.5	2.81	8	250	0.6	<2	8.91	<0.5	1	18	8	1.17
M389455		2.94	<0.005		<0.5	1.90	<5	410	<0.5	<2	8.43	<0.5	<1	22	3	0.61
M389456		3.22	<0.005		<0.5	2.76	16	680	0.6	<2	8.23	<0.5	1	16	10	1.26
M389457		3.28	<0.005		<0.5	2.17	9	600	<0.5	<2	9.23	<0.5	2	19	6	0.99
M389458		3.74	<0.005		<0.5	1.99	6	250	<0.5	2	9.56	<0.5	<1	10	5	0.82
M389459		3.36	<0.005		<0.5	2.70	16	140	0.5	<2	6.79	<0.5	<1	46	8	0.88
M389460		3.72	<0.005		0.6	1.90	6	630	<0.5	<2	9.63	<0.5	<1	104	4	0.78
M389461		1.62	<0.005	<0.005	<0.5	1.76	11	610	<0.5	<2	9.92	<0.5	<1	48	3	0.62
M389462		3.62	<0.005		<0.5	1.38	<5	2300	<0.5	<2	10.20	<0.5	<1	118	2	0.76
M389463		3.82	<0.005		<0.5	2.88	8	700	0.6	<2	9.99	<0.5	1	65	6	1.12
M389464		3.82	0.012		<0.5	3.39	100	310	0.7	3	8.77	<0.5	3	71	6	2.51
M389465		2.98	0.062		<0.5	3.52	371	290	0.8	6	8.66	<0.5	11	107	107	11.55
M389466		3.90	0.042		<0.5	5.87	471	470	1.5	<2	3.75	<0.5	16	136	22	6.55
M389467		4.04	0.049		<0.5	4.75	794	250	1.3	2	3.98	<0.5	16	106	13	10.50
M389468		3.80	0.051		<0.5	5.60	366	430	1.4	<2	4.36	<0.5	12	124	137	7.77
M389469		3.44	<0.005		<0.5	7.59	51	490	1.8	<2	1.02	<0.5	17	149	55	6.26
M389470		4.08	0.005		<0.5	7.13	56	490	1.7	<2	2.68	<0.5	13	155	93	6.00
M389471		3.94	0.008		<0.5	8.59	108	680	2.3	<2	1.40	<0.5	26	164	98	6.08
M389472		2.08	0.011		<0.5	5.37	122	420	1.5	<2	1.40	<0.5	12	180	96	6.24
M389473		1.12	0.106		<0.5	3.56	276	230	0.9	5	2.02	<0.5	13	156	43	4.50
M389474		1.86	0.138		7.5	6.76	357	510	1.8	<2	1.38	<0.5	21	196	73	5.67
M389475		1.72	0.141		<0.5	5.73	418	420	1.5	2	2.37	<0.5	25	149	74	7.43
M389476		2.90	0.053		0.7	5.86	280	420	1.6	<2	2.51	<0.5	10	148	71	5.39
M389477		1.42	0.069		<0.5	7.01	207	490	1.9	2	0.78	<0.5	21	134	55	7.93
M389478		2.50	0.008		<0.5	7.80	41	620	2.1	<2	1.34	<0.5	14	122	32	3.47
M389479		3.28	0.019		<0.5	6.98	66	480	1.9	<2	1.83	<0.5	23	103	40	4.29
M389480		3.68	0.023		0.5	6.56	85	490	1.9	2	2.08	<0.5	16	139	58	4.19
M389481		1.68	0.017	0.018	<0.5	7.00	75	840	2.0	<2	2.08	<0.5	17	135	35	4.05
M389482		4.02	0.025		<0.5	6.95	162	560	2.0	2	2.20	<0.5	21	154	48	5.11
M389483		2.20	0.085		<0.5	6.53	122	430	1.7	<2	2.95	<0.5	17	144	58	4.89
M389484		2.52	0.040		0.5	6.35	188	620	1.6	102	3.23	<0.5	18	99	91	4.77
M389485		2.46	0.037		0.5	5.23	174	460	1.3	34	2.35	<0.5	12	122	112	3.83
M389486		1.60	0.083		0.5	6.66	456	570	1.6	5	2.97	<0.5	23	104	114	5.62
M389487		1.96	0.022		<0.5	6.41	171	600	1.6	12	3.74	<0.5	13	106	117	6.54
M389488		1.94	0.044		<0.5	7.61	74	710	1.9	24	3.04	<0.5	12	102	181	4.51



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Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
Sample Description															
M389449	<0.01	1.67	2.69	140	<1	0.04	11	120	15	1.18	<5	46	0.07	24	10
M389450	<0.01	1.54	3.07	118	<1	0.03	12	150	6	1.08	<5	43	0.07	22	10
M389451	0.01	0.95	4.37	122	<1	0.01	10	210	11	0.75	<5	56	0.06	16	10
M389452	0.01	2.08	2.92	247	<1	0.15	17	260	6	1.46	<5	57	0.10	35	10
M389453	<0.01	2.11	2.57	234	3	0.43	20	280	2	1.19	<5	63	0.09	34	10
M389454	0.01	1.28	4.62	163	<1	0.04	17	180	11	0.89	<5	64	0.07	20	10
M389455	<0.01	0.73	4.00	102	<1	0.01	8	140	4	0.40	<5	60	0.04	9	20
M389456	0.01	1.16	4.20	189	<1	0.01	15	230	10	0.71	5	63	0.07	20	10
M389457	<0.01	0.95	4.87	164	<1	0.01	13	190	6	0.73	<5	76	0.05	14	10
M389458	<0.01	0.82	5.45	128	<1	0.01	12	330	9	0.58	<5	71	0.05	14	20
M389459	<0.01	1.02	3.35	114	<1	0.01	12	340	7	0.66	5	44	0.07	18	20
M389460	0.01	0.76	4.89	104	<1	0.01	12	350	11	0.54	<5	60	0.05	11	20
M389461	0.01	0.70	5.29	94	<1	0.01	6	330	8	0.52	<5	59	0.04	10	10
M389462	<0.01	0.47	5.43	136	<1	<0.01	12	350	3	0.41	<5	70	0.03	8	20
M389463	0.01	1.17	4.84	151	<1	0.01	17	260	21	1.02	8	75	0.08	22	20
M389464	0.02	1.42	4.68	441	<1	0.03	15	260	9	2.20	7	134	0.10	28	10
M389465	0.02	1.56	2.57	5860	<1	0.04	49	1040	13	3.31	5	97	0.18	77	20
M389466	0.01	2.78	1.29	1855	2	0.04	41	550	3	4.01	9	53	0.29	95	<10
M389467	0.02	2.30	1.47	2990	1	0.04	35	530	6	5.98	11	61	0.21	80	<10
M389468	0.03	2.67	1.52	2990	1	0.05	40	860	5	3.13	9	66	0.29	99	<10
M389469	<0.01	2.89	1.88	1050	2	0.09	48	710	3	1.42	12	36	0.28	121	10
M389470	0.02	3.01	1.81	1450	2	0.09	64	970	<2	1.49	10	67	0.30	118	10
M389471	0.01	3.86	1.88	1105	2	0.09	57	880	5	2.19	11	41	0.35	148	<10
M389472	0.01	2.64	1.38	2360	1	0.06	31	520	6	1.34	11	37	0.20	82	<10
M389473	0.01	1.62	0.93	1080	1	0.03	30	360	6	3.39	12	82	0.16	59	<10
M389474	0.04	3.13	1.12	1440	1	0.05	42	670	6	3.25	20	57	0.28	119	40
M389475	0.01	2.71	1.63	2110	1	0.05	45	600	4	3.86	15	87	0.20	95	10
M389476	0.01	2.80	1.49	1500	2	0.05	39	670	3	3.33	11	109	0.28	103	<10
M389477	0.01	3.49	1.34	2410	2	0.05	41	440	6	3.48	13	40	0.31	126	<10
M389478	0.01	3.90	1.32	1020	3	0.05	24	490	5	1.48	9	59	0.38	114	<10
M389479	0.01	3.31	1.38	1105	2	0.04	39	420	4	2.61	11	94	0.34	105	<10
M389480	<0.01	3.35	1.44	1385	2	0.04	41	480	4	2.47	10	89	0.30	105	<10
M389481	<0.01	3.35	1.41	1335	3	0.04	33	460	5	2.16	13	79	0.36	114	<10
M389482	<0.01	3.51	1.54	1580	2	0.04	39	480	3	2.79	10	63	0.34	114	10
M389483	<0.01	2.97	1.56	1450	2	0.03	35	420	5	2.22	15	117	0.29	101	20
M389484	0.02	2.95	1.38	1365	2	0.04	45	600	4	2.38	17	50	0.36	110	10
M389485	<0.01	2.49	1.09	1100	2	0.03	34	380	4	2.08	12	43	0.29	89	10
M389486	<0.01	3.16	1.50	1385	1	0.04	51	850	<2	3.19	18	55	0.35	112	10
M389487	0.01	3.12	1.71	2920	2	0.04	35	630	8	1.38	12	48	0.34	92	<10
M389488	0.02	3.71	1.37	1470	2	0.05	37	470	6	1.75	17	35	0.36	95	10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M389449		23
M389450		12
M389451		18
M389452		38
M389453		32
M389454		18
M389455		9
M389456		30
M389457		15
M389458		12
M389459		11
M389460		10
M389461		9
M389462		6
M389463		20
M389464		31
M389465		9
M389466		7
M389467		8
M389468		8
M389469		33
M389470		23
M389471		27
M389472		11
M389473		6
M389474		11
M389475		11
M389476		12
M389477		14
M389478		18
M389479		27
M389480		19
M389481		17
M389482		12
M389483		18
M389484		8
M389485		7
M389486		13
M389487		10
M389488		8



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M389489		1.38	0.048		<0.5	7.74	84	640	2.1	7	2.53	<0.5	7	82	59	2.99
M389490		2.26	0.052		<0.5	5.14	676	460	1.3	24	1.42	<0.5	7	116	77	3.08
M389491		3.78	0.026		<0.5	2.69	492	220	0.6	<2	1.52	<0.5	5	109	9	1.34
M389492		3.52	0.005		<0.5	3.71	30	290	1.0	39	1.17	<0.5	2	103	125	1.31
M389493		3.76	<0.005		<0.5	2.64	23	200	0.6	2	0.75	<0.5	<1	125	9	0.99
M389494		3.72	<0.005		<0.5	4.10	<5	330	1.1	5	0.69	<0.5	2	111	12	0.95
M389495		2.18	<0.005		<0.5	2.71	7	190	0.6	7	1.60	<0.5	3	133	8	1.50
M389496		3.40	0.007		<0.5	8.91	53	750	3.2	<2	1.64	<0.5	7	98	65	2.41
M389497		3.68	<0.005		<0.5	3.82	66	360	1.0	2	1.31	<0.5	1	156	22	1.68
M389498		3.64	0.054		0.6	3.42	923	290	0.9	<2	0.85	<0.5	8	116	59	1.19
M389499		3.60	0.008		<0.5	5.42	102	470	1.6	<2	1.03	<0.5	5	134	36	2.48
M389500		3.72	<0.005		<0.5	3.76	7	310	1.0	<2	1.18	<0.5	2	116	16	1.48
M389801		1.60	0.011	0.005	<0.5	3.81	8	320	1.0	7	1.22	<0.5	2	92	12	1.38
M389802		1.92	0.042		<0.5	5.09	10	450	1.5	12	1.36	<0.5	2	105	19	1.76
M389803		3.66	<0.005		<0.5	3.69	6	330	1.1	9	0.85	<0.5	2	124	17	1.38
M389804		3.68	0.006		<0.5	2.87	110	240	0.7	18	0.65	<0.5	5	125	19	1.42
M389805		3.02	0.022		0.7	3.63	260	280	1.0	62	0.64	<0.5	9	126	58	2.57
M389806		1.76	0.018		<0.5	4.68	454	370	1.2	3	0.86	<0.5	13	117	34	2.25
M389807		3.04	0.037		<0.5	6.92	611	580	1.9	10	1.54	<0.5	14	87	48	3.19
M389808		1.12	<0.005		<0.5	3.90	36	370	1.1	6	1.50	<0.5	7	122	29	2.24
M389809		3.50	0.008		<0.5	8.65	10	860	2.9	2	1.39	<0.5	12	94	64	4.02
M389810		1.50	<0.005		<0.5	2.43	157	210	0.6	42	1.82	<0.5	6	104	18	1.83
M389811		3.90	0.012		<0.5	8.13	50	680	2.4	7	2.12	<0.5	14	93	73	3.95
M389812		4.18	0.006		<0.5	8.35	28	690	2.4	7	1.97	<0.5	8	86	71	3.56
M389813		0.92	0.016		<0.5	3.92	198	300	1.0	3	1.50	<0.5	11	128	67	2.79
M389814		2.10	0.013		<0.5	7.01	86	580	2.2	4	1.62	<0.5	13	93	54	3.26
M389815		0.86	0.016		<0.5	3.39	222	280	0.9	3	2.00	<0.5	11	116	63	3.07
M389816		1.92	0.133		<0.5	7.87	382	640	2.2	16	2.55	<0.5	13	95	138	4.86
M389817		0.72	0.200		<0.5	1.31	375	110	<0.5	6	4.26	<0.5	15	83	292	8.45
M389818		3.64	0.040		<0.5	7.14	393	600	1.9	7	3.24	<0.5	9	80	73	4.22
M389819		3.90	0.030		<0.5	5.30	167	470	1.3	125	1.53	<0.5	9	116	146	3.56
M389820		2.22	<0.005		<0.5	3.76	52	390	0.9	91	1.26	<0.5	4	118	24	1.81
M389821		0.78	0.006	0.010	<0.5	2.95	235	320	0.7	70	1.92	<0.5	5	151	22	2.10
M389822		3.60	0.012		<0.5	8.94	71	760	2.5	19	2.62	<0.5	20	100	83	4.05
M389823		3.52	0.044		<0.5	8.12	71	650	2.3	7	3.89	<0.5	15	95	108	5.39
M389824		3.28	<0.005		<0.5	7.07	9	540	2.0	<2	7.16	<0.5	11	75	89	4.63
M389825		3.42	<0.005		<0.5	8.38	<5	660	2.6	<2	1.54	<0.5	18	94	79	4.73
M389826		3.78	<0.005		<0.5	8.88	75	690	2.9	<2	1.96	<0.5	20	98	72	4.48
M389827		3.04	0.006		<0.5	4.64	37	370	1.5	5	1.60	<0.5	8	121	28	2.12
M389828		2.22	<0.005		<0.5	8.23	48	660	2.8	<2	2.04	<0.5	27	109	63	4.33



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M389489		0.05	3.97	1.29	1150	<1	0.05	26	420	<2	0.74	11	33	0.39	84	<10
M389490		<0.01	2.36	0.69	765	2	0.03	16	250	22	1.36	15	19	0.18	46	10
M389491		<0.01	1.26	0.54	594	1	0.02	5	130	2	0.16	7	15	0.09	21	<10
M389492		<0.01	1.73	0.47	550	2	0.02	8	170	5	0.12	10	16	0.11	28	<10
M389493		<0.01	1.24	0.32	347	3	0.02	6	120	3	0.10	<5	11	0.10	21	<10
M389494		<0.01	1.93	0.36	300	1	0.03	3	130	2	0.05	6	13	0.14	34	<10
M389495		<0.01	1.26	0.53	631	3	0.02	7	110	8	0.08	9	29	0.09	21	10
M389496		<0.01	5.11	0.90	650	1	0.05	34	340	<2	0.35	11	42	0.25	85	<10
M389497		<0.01	1.76	0.51	622	3	0.02	17	160	4	0.18	7	17	0.12	31	<10
M389498		<0.01	1.60	0.39	380	13	0.04	44	190	5	0.18	11	21	0.10	28	<10
M389499		<0.01	2.56	0.56	538	3	0.03	23	210	2	0.80	11	22	0.16	44	<10
M389500		<0.01	1.80	0.46	486	2	0.03	13	210	5	0.23	<5	18	0.10	28	10
M389801		0.01	1.81	0.47	496	<1	0.03	11	150	8	0.18	<5	17	0.10	27	10
M389802		<0.01	2.43	0.55	640	<1	0.03	14	150	10	0.30	6	22	0.13	41	10
M389803		<0.01	1.76	0.41	453	2	0.02	13	150	11	0.18	7	16	0.11	29	10
M389804		<0.01	1.35	0.32	428	1	0.02	9	90	6	0.49	<5	12	0.07	20	<10
M389805		0.01	1.72	0.38	518	2	0.03	20	140	58	1.40	15	13	0.10	29	10
M389806		<0.01	2.11	0.53	473	1	0.03	15	220	5	0.84	<5	16	0.17	39	10
M389807		0.01	3.38	0.89	772	1	0.04	27	290	5	1.19	7	18	0.27	68	10
M389808		<0.01	1.86	0.64	718	1	0.03	17	160	4	0.66	<5	15	0.11	32	10
M389809		<0.01	4.53	1.12	814	<1	0.05	42	350	<2	1.18	6	27	0.33	86	10
M389810		<0.01	1.16	0.66	824	1	0.02	11	120	3	0.32	<5	13	0.07	19	<10
M389811		<0.01	4.09	1.38	900	2	0.05	37	470	2	1.94	<5	28	0.39	110	10
M389812		<0.01	4.32	1.35	812	1	0.05	29	490	<2	1.28	7	30	0.38	98	10
M389813		<0.01	1.84	0.74	632	<1	0.02	24	240	<2	1.22	6	14	0.15	36	<10
M389814		<0.01	3.45	1.13	640	1	0.04	31	450	3	1.57	7	21	0.34	78	10
M389815		<0.01	1.60	0.82	817	1	0.02	21	210	4	1.46	7	14	0.10	26	10
M389816		<0.01	3.74	1.10	1370	1	0.05	30	370	<2	2.08	11	25	0.31	94	20
M389817		0.06	0.64	0.80	2140	<1	0.01	26	90	4	4.58	31	34	0.04	10	<10
M389818		0.02	3.65	1.16	1235	<1	0.04	24	480	3	1.42	11	37	0.28	71	10
M389819		<0.01	2.45	0.65	818	1	0.04	24	270	<2	1.56	7	14	0.19	54	10
M389820		0.01	1.73	0.49	677	1	0.03	13	180	<2	0.41	6	12	0.12	32	10
M389821		<0.01	1.36	0.63	1075	<1	0.02	13	190	2	0.41	<5	13	0.10	27	10
M389822		0.01	4.46	1.41	1245	<1	0.06	40	330	<2	1.38	6	43	0.39	106	10
M389823		0.01	4.08	1.64	1865	<1	0.06	43	330	<2	1.74	<5	82	0.38	101	<10
M389824		<0.01	3.59	1.64	1830	<1	0.06	33	410	4	1.45	5	171	0.33	85	<10
M389825		<0.01	4.03	1.49	1505	1	0.08	43	270	2	1.52	<5	72	0.38	108	<10
M389826		<0.01	4.23	1.80	1860	1	0.08	86	410	<2	0.53	5	59	0.34	114	<10
M389827		<0.01	2.25	0.76	770	<1	0.04	19	240	3	0.30	<5	29	0.16	44	<10
M389828		<0.01	3.95	1.62	1860	2	0.06	81	400	3	0.41	5	56	0.28	108	<10

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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M389489		11
M389490		5
M389491		4
M389492		7
M389493		4
M389494		6
M389495		3
M389496		21
M389497		7
M389498		40
M389499		8
M389500		8
M389801		6
M389802		7
M389803		6
M389804		4
M389805		4
M389806		5
M389807		5
M389808		3
M389809		12
M389810		5
M389811		7
M389812		9
M389813		3
M389814		5
M389815		3
M389816		4
M389817		3
M389818		6
M389819		3
M389820		5
M389821		4
M389822		8
M389823		11
M389824		13
M389825		21
M389826		28
M389827		7
M389828		29



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M389829		3.60	<0.005		<0.5	9.22	27	840	3.5	<2	0.79	0.5	23	88	103	3.99
M389830		3.44	<0.005		<0.5	9.65	36	830	3.5	<2	1.30	<0.5	22	85	85	3.44
M389831		3.78	<0.005		<0.5	8.99	29	690	3.0	<2	1.90	0.5	21	96	64	4.48
M389832		3.62	<0.005		<0.5	9.24	15	780	3.3	<2	1.36	0.5	21	84	95	4.02
M389833		1.04	<0.005		<0.5	9.40	21	840	3.4	<2	0.93	0.5	22	90	75	4.17
M389834		3.54	<0.005		<0.5	9.17	37	780	3.4	<2	0.74	<0.5	26	87	110	4.53
M389835		2.60	<0.005		<0.5	9.30	31	770	3.2	<2	0.95	0.8	22	94	37	4.07
M389836		0.98	<0.005		<0.5	9.27	20	780	3.4	<2	0.48	<0.5	26	91	106	4.80
M389837		3.58	<0.005		<0.5	9.06	35	710	3.0	<2	0.67	<0.5	23	89	55	4.86
M389838		3.64	<0.005		<0.5	8.95	18	740	3.1	<2	1.90	<0.5	19	89	57	4.22
M389839		3.12	0.005		<0.5	8.33	5	590	2.7	<2	2.90	<0.5	12	76	54	4.28
M389840		2.12	<0.005		<0.5	6.77	<5	510	2.1	<2	1.34	<0.5	10	99	14	2.23
M389841		0.86	<0.005	<0.005	<0.5	6.36	25	480	1.9	<2	1.43	<0.5	9	105	12	2.23
M389842		3.64	0.006		<0.5	8.72	112	670	2.8	<2	1.72	<0.5	20	96	40	3.33
M389843		3.82	<0.005		<0.5	7.66	<5	510	2.6	<2	0.67	<0.5	13	91	32	4.09
M389844		3.58	<0.005		<0.5	8.77	24	580	2.9	<2	1.54	<0.5	15	92	45	4.93
M389845		3.76	<0.005		<0.5	7.83	14	590	2.5	<2	4.59	<0.5	18	78	62	4.58
M389846		3.58	<0.005		<0.5	8.07	37	600	2.6	<2	2.41	<0.5	14	94	55	4.19
M389847		3.82	<0.005		<0.5	8.59	35	660	2.9	<2	1.98	<0.5	14	87	43	3.61
M389848		3.76	<0.005		<0.5	8.48	8	590	2.7	<2	1.37	<0.5	11	98	44	4.74
M389849		4.00	<0.005		<0.5	8.98	31	650	2.9	<2	1.06	<0.5	12	98	49	4.35
M389850		2.14	<0.005		<0.5	6.23	47	440	1.8	<2	1.90	<0.5	11	116	24	3.06
M389851		3.54	<0.005		<0.5	8.60	12	560	2.8	<2	0.90	<0.5	15	103	43	4.69
M389852		1.44	<0.005		<0.5	9.31	7	680	3.1	<2	1.43	<0.5	15	98	59	4.61
M389853		3.64	0.006		<0.5	8.80	36	710	3.0	<2	1.70	<0.5	22	88	93	4.82
M389854		1.76	<0.005		<0.5	9.34	13	710	3.1	<2	1.04	<0.5	21	97	81	4.49
M389855		3.54	<0.005		<0.5	8.12	81	700	2.8	<2	3.17	<0.5	23	78	39	3.83
M389856		1.78	0.009		<0.5	8.83	74	710	2.9	<2	2.39	<0.5	28	88	38	3.26
M389857		3.98	0.107		<0.5	8.77	108	680	2.8	<2	2.19	<0.5	19	91	73	3.76
M389858		1.64	0.006		<0.5	8.96	25	690	2.8	<2	2.45	<0.5	16	98	67	4.39
M389859		3.78	0.008		<0.5	8.72	25	670	2.8	<2	3.21	<0.5	21	88	87	4.70
M389860		2.48	0.024		<0.5	7.13	82	530	2.2	<2	4.63	<0.5	15	76	66	4.23
M389861		1.00	0.045	0.048	<0.5	6.66	107	490	2.1	<2	4.37	<0.5	17	94	56	4.13
M389862		0.84	0.102		<0.5	8.31	136	730	2.6	2	3.05	<0.5	16	90	56	3.76
M389863		3.04	<0.005		<0.5	3.32	35	300	0.9	<2	1.92	<0.5	3	140	19	1.92
M389864		2.90	<0.005		<0.5	3.69	21	360	1.1	<2	1.10	<0.5	3	102	13	1.38
M389865		3.68	0.005		<0.5	3.11	30	280	0.9	<2	0.74	<0.5	2	122	15	1.12
M389866		3.80	0.025		<0.5	3.32	24	290	0.9	5	0.93	<0.5	4	83	26	1.08
M389867		1.46	<0.005		<0.5	2.92	60	230	0.8	3	1.01	<0.5	3	173	103	1.29
M389868		2.70	0.010		<0.5	8.28	50	700	3.0	23	1.90	<0.5	18	88	41	3.26



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Account: STRGOL

Project: Hyland 1744

CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Hg-CV41	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V
		ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1
M389829		<0.01	5.04	1.28	567	1	0.08	44	490	<2	1.21	6	31	0.31	98
M389830		<0.01	5.21	1.35	611	1	0.08	46	500	5	0.98	<5	41	0.34	93
M389831		<0.01	4.54	1.94	1470	<1	0.08	73	440	4	0.76	7	70	0.31	104
M389832		<0.01	4.90	1.53	1110	1	0.08	43	440	2	1.08	<5	57	0.33	97
M389833		<0.01	4.81	1.60	875	13	0.09	69	530	<2	0.67	8	45	0.33	100
M389834		<0.01	4.69	1.40	730	3	0.08	57	490	5	1.34	<5	43	0.33	90
M389835		<0.01	4.53	1.70	889	1	0.08	74	490	2	0.35	17	49	0.34	97
M389836		<0.01	4.66	1.37	761	3	0.08	54	490	<2	1.26	<5	38	0.31	90
M389837		<0.01	4.00	1.69	754	2	0.07	76	450	2	0.40	12	36	0.34	99
M389838		<0.01	4.58	1.53	1120	3	0.08	43	400	<2	0.92	15	76	0.33	97
M389839		<0.01	4.06	1.22	876	1	0.08	28	360	4	1.13	7	93	0.38	89
M389840		<0.01	3.24	0.76	547	3	0.06	18	280	2	0.19	15	42	0.26	65
M389841		<0.01	3.07	0.75	590	1	0.06	20	260	4	0.15	9	45	0.24	62
M389842		<0.01	4.38	1.07	685	2	0.08	34	350	<2	0.80	8	52	0.30	95
M389843		<0.01	3.21	0.97	495	1	0.06	32	460	5	0.42	10	42	0.28	82
M389844		<0.01	3.86	1.23	645	2	0.07	36	360	5	0.99	5	79	0.35	96
M389845		<0.01	3.90	1.52	1535	1	0.07	35	270	9	1.58	7	221	0.37	100
M389846		<0.01	3.87	1.24	905	3	0.07	35	310	7	0.94	5	100	0.38	94
M389847		<0.01	4.15	1.13	811	7	0.08	32	420	4	0.41	17	58	0.34	90
M389848		<0.01	3.59	1.15	768	2	0.08	31	490	5	0.59	12	55	0.31	84
M389849		<0.01	4.08	1.11	614	1	0.07	31	410	2	0.68	11	48	0.37	91
M389850		<0.01	2.82	0.91	692	1	0.05	20	270	4	0.33	11	56	0.24	57
M389851		<0.01	3.72	1.14	584	<1	0.06	32	330	4	0.77	11	50	0.35	88
M389852		<0.01	4.56	1.30	680	1	0.08	35	300	2	1.24	8	78	0.38	107
M389853		0.01	4.43	1.56	1440	2	0.07	50	440	2	1.20	16	87	0.31	98
M389854		0.01	4.51	1.43	795	2	0.07	47	400	5	1.17	13	54	0.36	108
M389855		<0.01	4.15	1.88	1925	1	0.07	96	430	6	0.20	5	72	0.33	109
M389856		0.01	4.45	1.54	1245	1	0.08	59	380	4	0.45	13	58	0.37	122
M389857		0.01	4.58	1.39	1110	2	0.07	41	330	2	0.98	14	58	0.45	107
M389858		<0.01	4.50	1.44	1175	2	0.07	34	310	3	1.47	14	84	0.42	109
M389859		0.01	4.40	1.46	1205	2	0.08	41	330	3	1.59	15	104	0.40	106
M389860		0.01	3.49	1.24	1440	1	0.06	34	300	6	1.30	16	122	0.31	79
M389861		0.01	3.21	1.20	1390	1	0.06	34	280	3	1.37	12	116	0.30	74
M389862		0.01	4.05	1.13	1140	<1	0.06	31	330	2	1.22	19	58	0.37	84
M389863		0.01	1.61	0.60	708	<1	0.02	13	110	<2	0.22	8	28	0.10	23
M389864		<0.01	1.86	0.45	390	1	0.03	8	150	3	0.13	6	19	0.11	26
M389865		<0.01	1.52	0.33	280	1	0.03	7	130	<2	0.05	8	16	0.10	21
M389866		<0.01	1.61	0.38	312	1	0.04	6	110	2	0.05	8	21	0.10	21
M389867		<0.01	1.44	0.42	394	1	0.02	5	90	3	0.03	<5	24	0.08	20
M389868		0.01	4.49	1.22	792	1	0.05	34	420	13	0.41	12	40	0.24	84



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
M389829		24
M389830		19
M389831		36
M389832		29
M389833		53
M389834		37
M389835		38
M389836		36
M389837		45
M389838		27
M389839		20
M389840		13
M389841		13
M389842		16
M389843		33
M389844		51
M389845		28
M389846		30
M389847		25
M389848		33
M389849		27
M389850		15
M389851		41
M389852		39
M389853		37
M389854		32
M389855		27
M389856		17
M389857		16
M389858		19
M389859		20
M389860		18
M389861		14
M389862		99
M389863		7
M389864		8
M389865		7
M389866		9
M389867		8
M389868		25



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CERTIFICATE OF ANALYSIS **VA04059513**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M389869		3.00	0.006		<0.5	7.59	25	620	2.5	<2	1.86	<0.5	16	112	58	3.96



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
M389869		0.01	3.85	1.38	903	1	0.04	34	470	4	0.70	12	75	0.34	95	<10



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CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR
M389869	ME-ICP61 Zn ppm 2 33



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QC CERTIFICATE VA04059513

Project: Hyland 1744

P.O. No.:

This report is for 161 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 1-SEP-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS


To: STRATAGOLD EXPLORATION INC.
ATTN: JASON DUNNING
701-475 HOWE ST
VANCOUVER BC V6C 2B3

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:



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QC CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
		Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm
		0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
STANDARDS																
Target Range - Lower Bound		3.22	3.22													
Upper Bound		3.71	3.71													
Pb-106				59.7	5.06	241	580	0.6	<2	1.88	56.4	2	38	6070	1.99	
Target Range - Lower Bound				51.9	4.74	212	510	<0.5	5	1.73	49.5	<1	25	5530	1.77	
Upper Bound				64.6	5.82	271	640	1.0	11	2.13	61.6	2	32	6770	2.19	
BLANKS																
BLANK		<0.005														<0.01
BLANK		<0.005														<0.01
BLANK		<0.005	<0.005													<0.01
BLANK																<0.01
BLANK																<0.01
BLANK																<0.01
BLANK																<0.01
BLANK		0.005	0.005													<0.01
BLANK				<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	<1	<1	<0.01	
BLANK				<0.5	0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	1	1	0.01	
BLANK				<0.5	<0.01	<5	<10	<0.5	<2	<0.01	0.7	<1	2	2	<0.01	
BLANK				<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
BLANK				<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	1	1	<1	<0.01	
BLANK				<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	
Target Range - Lower Bound		<0.005	<0.005	<0.5	<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<0.01
Upper Bound		0.010	0.010	1.0	0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	0.02
DUPLICATES																
ORIGINAL				1.4	6.31	1100	400	1.8	<2	0.04	0.5	16	87	41	6.14	
DUP				1.4	6.24	1100	380	1.8	<2	0.05	<0.5	16	85	43	5.94	
Target Range - Lower Bound				<0.5	5.94	1035	350	0.7	<2	0.02	<0.5	13	80	38	5.72	
Upper Bound				2.5	6.61	1165	430	2.9	4	0.07	1.0	19	92	46	6.36	



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QC CERTIFICATE OF ANALYSIS VA04059513

Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
Analyte	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
Units	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOR	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
Sample Description	STANDARDS														
Target Range - Lower Bound															
Upper Bound															
Pb-106	2.00	0.40	653	40	0.87	8	250	5380	1.20	72	340	0.08	50	<10	8350
Target Range - Lower Bound	1.87	0.36	567	46	0.85	7	200	4660	1.12	15	313	0.05	43	<10	7550
Upper Bound	2.30	0.47	705	58	1.08	11	270	5700	1.40	29	384	0.09	54	20	9240
BLANKS															
BLANK	<0.01	<0.01	<5	1	<0.01	1	<10	3	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	0.01	<5	1	<0.01	3	<10	<2	<0.01	<5	1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	2	<0.01	<1	<10	<2	<0.01	<5	1	<0.01	<1	10	<2
BLANK	<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	2	<0.01	1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
BLANK	<0.01	<0.01	<5	2	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Target Range - Lower Bound	<0.01	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<0.01	<1	<10	<2
Upper Bound	0.02	0.02	10	2	0.02	2	20	4	0.02	10	2	0.02	2	20	4
DUPLICATES															
ORIGINAL	1.60	0.21	578	2	0.09	36	340	25	<0.01	103	114	0.36	118	20	142
DUP	1.66	0.21	555	1	0.10	34	340	25	0.01	84	122	0.35	118	20	142
Target Range - Lower Bound	1.53	0.18	528	<1	0.07	31	300	20	<0.01	79	110	0.32	110	<10	131
Upper Bound	1.73	0.24	605	2	0.12	39	380	30	0.02	108	126	0.39	126	40	153



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QC CERTIFICATE OF ANALYSIS VA04059513

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Project: Hyland 1744

QC CERTIFICATE OF ANALYSIS VA04059513

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01
DUPLICATES																
M389475				<0.5	5.73	418	420	1.5	2	2.37	<0.5	25	149	74	7.43	
DUP				<0.5	5.53	395	410	1.5	<2	2.28	<0.5	24	140	71	7.14	
Target Range - Lower Bound				<0.5	5.33	376	370	<0.5	<2	2.19	<0.5	21	135	67	6.90	
Upper Bound				10	5.93	437	480	2.0	4	2.46	1.0	28	154	78	7.67	
M389487		0.022														
DUP		0.017														
Target Range - Lower Bound		0.009														
Upper Bound		0.030														
M389490																<0.01
DUP																<0.01
Target Range - Lower Bound																<0.01
Upper Bound																0.02
M389807		0.037														
DUP		0.035														
Target Range - Lower Bound		0.024														
Upper Bound		0.048														
M389809				<0.5	8.65	10	860	2.9	2	1.39	<0.5	12	94	64	4.02	
DUP				<0.5	8.70	15	800	2.9	4	1.31	<0.5	11	89	67	3.76	
Target Range - Lower Bound				<0.5	8.22	<5	770	1.8	<2	1.26	<0.5	9	85	60	3.68	
Upper Bound				1.0	9.13	23	890	4.0	4	1.44	1.0	14	98	71	4.10	
M389826																<0.01
DUP																<0.01
Target Range - Lower Bound																<0.01
Upper Bound																0.02
M389827		0.006														
DUP		0.007														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
M389845				<0.5	7.83	14	590	2.5	<2	4.59	<0.5	18	78	62	4.58	
DUP				<0.5	7.98	<5	590	2.4	<2	4.59	<0.5	20	78	60	4.53	
Target Range - Lower Bound				<0.5	7.49	<5	540	1.3	<2	4.34	<0.5	16	72	56	4.31	
Upper Bound				1.0	8.32	10	640	3.6	4	4.84	1.0	22	84	66	4.80	



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QC CERTIFICATE OF ANALYSIS VA04059513

	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
Sample Description		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
		DUPLICATES														
M389475		2.71	1.63	2110	1	0.05	45	600	4	3.86	15	87	0.20	95	10	11
DUP		2.58	1.57	2040	1	0.05	47	570	5	3.71	14	84	0.20	92	10	12
Target Range - Lower Bound		2.49	1.50	1960	<1	0.03	42	540	<2	3.58	<5	79	0.17	87	<10	7
Upper Bound		2.80	1.70	2190	2	0.07	50	630	9	3.99	25	92	0.23	100	20	16
M389487																
DUP																
Target Range - Lower Bound																
Upper Bound																
M389490																
DUP																
Target Range - Lower Bound																
Upper Bound																
M389807																
DUP																
Target Range - Lower Bound																
Upper Bound																
M389809		4.53	1.12	814	<1	0.05	42	350	<2	1.18	6	27	0.33	86	10	12
DUP		4.50	1.09	777	1	0.05	42	330	4	1.16	9	28	0.30	83	<10	12
Target Range - Lower Bound		4.27	1.03	746	<1	0.03	38	300	<2	1.09	<5	24	0.28	78	<10	7
Upper Bound		4.76	1.18	845	2	0.07	46	380	4	1.25	10	31	0.35	91	20	17
M389826																
DUP																
Target Range - Lower Bound																
Upper Bound																
M389827																
DUP																
Target Range - Lower Bound																
Upper Bound																
M389845		3.90	1.52	1535	1	0.07	35	270	9	1.58	7	221	0.37	100	<10	28
DUP		3.89	1.55	1525	1	0.07	38	290	2	1.55	7	224	0.37	100	<10	26
Target Range - Lower Bound		3.68	1.44	1445	<1	0.05	33	250	<2	1.47	<5	209	0.33	93	<10	22
Upper Bound		4.11	1.63	1615	2	0.09	40	310	10	1.66	10	236	0.41	107	20	32

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	Hg-CV41 Hg ppm 0.01	
M389862 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														0.01 0.01 0.01 0.02	
M389865 DUP Target Range - Lower Bound Upper Bound		0.005 0.006 0.005 0.010	0.006 0.008 0.005 0.010														
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.010 0.018 0.005 0.025	0.018 0.018 0.007 0.029														
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.019 0.021 0.009 0.031	0.021 0.021 0.010 0.032														



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Sample Description	Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sr ppm	ME-ICP61 Ti %	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
M389862 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
M389865 DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																



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Page: 1

CERTIFICATE VA04060614

Project: Hyland

P.O. No.:

This report is for 158 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 7-SEP-2004.

The following have access to data associated with this certificate:

JASON DUNNING

ACCOUNTS PAYABLE

JIM SPARLING

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Au-AA23D	Dup - Au 30g FA-AA finish	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATAGOLD EXPLORATION INC.
ATTN: ACCOUNTS PAYABLE
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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:



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd WL kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 As ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
RDH04001		1.84	0.023		0.5	1.32	464	80	<0.5	9	0.10	<0.5	1	82	36	3.60
RDH04002		1.36	0.056		<0.5	0.57	310	30	<0.5	11	0.01	0.7	5	7	64	49.0
RDH04003		0.44	0.037		<0.5	1.65	192	70	<0.5	12	0.03	<0.5	2	81	50	1.66
RDH04004		1.34	0.098		<0.5	1.24	807	70	<0.5	17	0.12	<0.5	7	20	91	43.0
RDH04005		1.58	<0.005		<0.5	1.00	5	60	<0.5	<2	6.22	<0.5	1	47	7	2.94
088751		1.42	<0.005	<0.005	<0.5	7.58	36	510	1.8	<2	0.94	<0.5	13	120	41	3.23
088752		3.44	<0.005		<0.5	9.42	33	710	2.4	<2	0.97	<0.5	21	91	42	4.41
088753		1.28	0.054		<0.5	7.65	286	500	1.7	<2	2.22	<0.5	11	94	23	4.20
088754		3.70	0.005		<0.5	2.43	17	130	0.5	<2	27.7	<0.5	1	22	10	1.13
088755		2.78	<0.005		<0.5	4.15	8	220	1.0	<2	13.25	<0.5	7	75	18	1.92
088756		3.68	<0.005		<0.5	3.58	7	170	0.9	<2	3.08	<0.5	6	58	17	1.68
088757		3.44	<0.005		<0.5	1.50	12	70	<0.5	<2	33.2	<0.5	<1	13	6	0.89
088758		3.58	<0.005		<0.5	3.07	<5	130	0.6	<2	27.3	<0.5	2	17	8	1.22
088759		3.66	<0.005		<0.5	1.90	<5	100	0.5	<2	31.1	<0.5	2	13	8	0.76
088760		4.22	<0.005		<0.5	2.61	<5	130	0.6	<2	26.6	<0.5	1	23	11	1.24
088761		1.86	<0.005	<0.005	<0.5	2.77	<5	140	0.7	<2	26.9	<0.5	3	21	10	1.22
088762		1.40	<0.005		<0.5	6.13	14	290	1.6	<2	12.10	<0.5	8	50	35	2.81
088763		3.00	<0.005		<0.5	6.61	29	340	1.6	<2	9.69	<0.5	13	49	37	2.00
088764		3.48	<0.005		<0.5	1.37	<5	70	<0.5	<2	31.2	<0.5	<1	11	4	0.71
088765		3.58	<0.005		<0.5	3.69	21	180	0.8	<2	22.7	<0.5	5	27	21	1.56
088766		3.66	<0.005		<0.5	3.77	13	190	0.9	<2	22.6	<0.5	4	31	15	1.50
088767		3.58	<0.005		<0.5	2.57	10	130	0.7	<2	30.0	<0.5	3	19	10	1.18
088768		3.68	<0.005		<0.5	2.13	12	100	0.5	<2	30.4	<0.5	<1	18	8	0.90
088769		3.52	<0.005		<0.5	4.27	<5	200	0.9	<2	21.7	<0.5	4	30	22	1.64
088770		3.66	<0.005		<0.5	5.45	16	270	1.2	<2	11.25	<0.5	7	52	24	2.35
088771		2.96	<0.005		<0.5	4.73	22	220	1.2	<2	12.30	<0.5	8	56	28	2.16
088772		2.42	<0.005		<0.5	4.61	18	220	1.0	<2	15.20	<0.5	7	64	34	2.03
389870		0.56	<0.005		<0.5	1.50	7	50	<0.5	<2	5.76	<0.5	1	44	5	1.15
389871		3.00	<0.005		<0.5	1.56	12	80	<0.5	<2	3.03	<0.5	2	142	8	1.32
389872		3.12	<0.005		<0.5	0.33	8	20	<0.5	<2	2.73	<0.5	1	81	4	0.89
389873		5.58	<0.005		<0.5	0.36	5	20	<0.5	<2	2.15	<0.5	1	223	5	0.67
389874		4.40	<0.005		<0.5	0.42	<5	20	<0.5	<2	4.11	<0.5	<1	83	5	0.55
389875		3.78	<0.005		<0.5	0.48	<5	30	<0.5	<2	2.52	<0.5	2	187	3	0.54
389876		3.18	<0.005		<0.5	0.48	<5	20	<0.5	<2	1.43	<0.5	1	132	6	0.74
389877		1.24	<0.005		<0.5	0.55	<5	20	<0.5	<2	1.72	<0.5	1	285	5	0.98
389878		4.72	<0.005		<0.5	2.38	6	140	0.6	<2	2.27	<0.5	4	97	10	1.41
389879		3.06	<0.005		<0.5	0.61	<5	20	<0.5	<2	3.57	<0.5	1	168	5	0.81
389880		3.32	<0.005		<0.5	0.98	<5	40	<0.5	<2	4.20	<0.5	<1	54	4	1.01
389881		2.28	<0.005	<0.005	<0.5	1.17	<5	50	<0.5	<2	4.34	<0.5	2	120	4	1.08
389882		2.34	<0.005		<0.5	1.98	<5	110	<0.5	<2	2.53	<0.5	2	74	12	1.35



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CERTIFICATE OF ANALYSIS VA04060614

Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
RDH04001	<0.01	0.53	0.09	86	3	0.03	2	70	25	0.77	8	21	0.05	15	<10
RDH04002	<0.01	0.30	0.03	6340	<1	0.01	<1	390	396	0.75	146	7	0.01	9	<10
RDH04003	0.01	0.41	0.21	97	3	0.06	11	110	3	0.17	16	8	0.05	22	10
RDH04004	0.01	0.56	0.24	>10000	<1	0.02	5	330	<2	5.87	5	24	0.02	14	<10
RDH04005	<0.01	0.44	2.91	782	1	0.02	8	90	<2	0.26	<5	154	0.04	9	<10
088751	<0.01	2.48	0.91	282	<1	0.34	40	220	4	0.26	<5	138	0.21	86	<10
088752	<0.01	3.35	1.06	398	<1	0.35	43	480	9	0.80	<5	143	0.21	110	<10
088753	<0.01	2.84	1.19	444	<1	0.38	30	230	5	0.82	<5	170	0.17	77	<10
088754	<0.01	0.85	0.65	199	<1	0.10	9	270	9	0.92	6	1520	0.09	24	<10
088755	<0.01	1.50	0.72	266	<1	0.19	16	250	9	0.54	<5	826	0.15	39	<10
088756	<0.01	1.20	0.61	186	2	0.15	12	160	5	0.36	<5	310	0.16	33	<10
088757	<0.01	0.50	0.59	220	<1	0.08	7	320	22	0.39	<5	2190	0.05	14	<10
088758	<0.01	0.82	0.93	170	<1	0.16	9	230	8	0.60	<5	1925	0.08	24	<10
088759	<0.01	0.61	0.46	159	<1	0.08	7	200	5	0.5	<5	2140	0.06	17	<10
088760	<0.01	0.92	0.64	225	<1	0.11	8	260	25	0.48	<5	1435	0.10	25	<10
088761	<0.01	1.00	0.65	221	<1	0.12	11	230	61	0.50	<5	1495	0.11	26	10
088762	<0.01	2.13	1.20	342	<1	0.25	21	820	8	0.31	<5	794	0.22	58	<10
088763	<0.01	2.39	0.88	262	<1	0.25	28	210	7	0.20	<5	695	0.25	61	<10
088764	0.01	0.42	0.40	131	<1	0.04	9	190	25	<0.01	5	1945	0.05	13	<10
088765	<0.01	1.30	0.64	243	<1	0.16	14	310	20	0.68	<5	1355	0.13	34	<10
088766	0.01	1.33	0.73	184	<1	0.15	12	340	84	0.79	<5	1235	0.16	35	<10
088767	0.01	0.93	0.52	144	<1	0.10	15	400	10	0.97	<5	1650	0.08	25	<10
088768	<0.01	0.76	0.44	104	<1	0.08	10	290	9	0.8	<5	1465	0.08	21	<10
088769	<0.01	1.49	0.76	190	<1	0.20	18	510	6	0.67	<5	1320	0.16	40	<10
088770	<0.01	1.95	0.96	308	<1	0.23	19	340	9	0.44	<5	810	0.20	48	<10
088771	<0.01	1.68	0.83	270	<1	0.19	21	220	9	0.51	<5	875	0.17	44	<10
088772	<0.01	1.67	0.86	253	2	0.19	28	200	9	0.63	<5	1005	0.13	42	<10
389870	<0.01	0.44	1.42	243	1	0.02	8	70	6	0.47	<5	118	0.03	9	<10
389871	<0.01	0.66	1.60	241	<1	0.03	9	90	6	0.81	5	114	0.07	17	<10
389872	<0.01	0.13	1.23	220	1	0.01	3	40	6	0.16	<5	85	0.02	5	<10
389873	<0.01	0.13	0.71	128	2	0.01	6	60	3	0.20	<5	51	0.02	5	<10
389874	<0.01	0.15	0.47	113	1	0.01	2	80	6	0.12	<5	53	0.03	5	<10
389875	<0.01	0.18	0.38	97	1	0.01	5	70	<2	0.16	<5	43	0.02	5	<10
389876	<0.01	0.16	0.53	120	2	0.01	7	60	<2	0.15	<5	43	0.03	6	<10
389877	<0.01	0.16	0.83	172	2	0.01	6	40	<2	0.35	<5	85	0.03	6	<10
389878	0.01	0.96	1.18	160	1	0.04	14	110	11	0.91	<5	82	0.10	27	<10
389879	0.01	0.13	1.71	198	1	0.01	4	60	17	0.16	<5	90	0.01	4	<10
389880	<0.01	0.31	2.18	242	<1	0.01	4	40	6	0.26	<5	107	0.02	5	10
389881	0.01	0.38	2.22	248	<1	0.02	6	30	12	0.36	<5	110	0.03	7	<10
389882	0.01	0.78	1.31	165	1	0.03	8	70	25	0.84	<5	76	0.06	15	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
RDH04001		4
RDH04002		17
RDH04003		4
RDH04004		13
RDH04005		14
088751		49
088752		58
088753		45
088754		19
088755		23
088756		21
088757		26
088758		33
088759		18
088760		37
088761		23
088762		36
088763		44
088764		42
088765		31
088766		39
088767		23
088768		20
088769		30
088770		35
088771		31
088772		29
389870		8
389871		12
389872		5
389873		4
389874		6
389875		13
389876		4
389877		5
389878		10
389879		37
389880		6
389881		18
389882		15



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 As ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
389883		1.92	0.006		<0.5	8.19	17	550	2.0	<2	0.45	<0.5	16	153	52	2.85
389884		3.70	<0.005		<0.5	0.81	<5	30	<0.5	<2	6.10	<0.5	1	49	4	1.22
389885		6.32	<0.005		0.5	0.78	<5	30	<0.5	<2	5.01	<0.5	<1	110	3	0.90
389886		5.92	<0.005		<0.5	0.74	<5	30	<0.5	<2	4.43	<0.5	1	56	3	0.83
389887		5.72	<0.005		<0.5	0.71	<5	30	<0.5	<2	6.98	<0.5	<1	104	3	1.14
389888		3.00	<0.005		<0.5	0.74	9	30	<0.5	<2	5.13	<0.5	<1	49	6	1.14
389889		3.20	<0.005		0.5	0.97	<5	60	<0.5	<2	3.92	2.8	2	133	40	0.71
389890		2.94	<0.005		<0.5	1.10	<5	50	<0.5	<2	4.14	1.1	2	56	5	0.96
389891		1.74	<0.005		<0.5	5.56	12	330	1.2	<2	2.57	<0.5	7	160	12	1.43
389892		5.58	<0.005		<0.5	0.97	<5	50	<0.5	<2	5.48	<0.5	<1	56	4	0.91
389893		5.90	<0.005		<0.5	1.23	<5	70	<0.5	<2	4.57	<0.5	1	50	6	0.91
389894		3.62	<0.005		<0.5	0.90	<5	30	<0.5	<2	4.11	<0.5	1	87	6	1.12
389895		2.06	<0.005		<0.5	0.75	<5	30	<0.5	<2	3.81	<0.5	<1	59	3	0.89
389896		2.76	0.016		<0.5	7.53	16	500	2.1	<2	0.49	0.5	13	104	37	3.09
389897		2.80	<0.005		<0.5	0.73	<5	40	<0.5	<2	0.87	<0.5	1	85	6	0.78
389898		3.00	<0.005		<0.5	3.70	17	250	0.8	<2	0.37	<0.5	7	131	19	1.87
389899		6.60	<0.005		<0.5	0.42	<5	30	<0.5	<2	0.43	<0.5	1	91	3	0.51
389900		5.60	<0.005		<0.5	0.40	6	20	<0.5	<2	0.60	<0.5	2	177	6	0.71
389901		1.94	<0.005	<0.005	<0.5	0.43	7	20	<0.5	<2	0.69	<0.5	1	92	3	0.60
389902		7.00	<0.005		<0.5	0.47	<5	30	<0.5	<2	0.76	<0.5	1	198	5	0.68
389903		6.54	<0.005		<0.5	0.54	<5	30	<0.5	<2	1.80	<0.5	1	85	3	0.66
389904		1.12	<0.005		<0.5	0.42	<5	20	<0.5	<2	4.95	<0.5	<1	136	5	0.88
389905		3.10	<0.005		<0.5	6.57	21	400	1.6	<2	1.35	<0.5	11	79	31	3.43
389906		3.38	<0.005		<0.5	4.60	<5	270	1.1	<2	1.81	<0.5	8	85	22	2.75
389907		2.54	<0.005		<0.5	4.95	5	300	1.1	<2	1.17	<0.5	10	70	21	2.63
389908		3.10	<0.005		<0.5	6.24	16	400	1.5	<2	1.24	<0.5	12	78	26	3.45
389909		2.14	<0.005		<0.5	7.80	20	520	2.0	<2	0.71	<0.5	13	76	27	3.43
389910		0.44	<0.005		0.6	8.40	27	600	2.5	<2	0.19	<0.5	15	88	43	3.27
389911		2.16	<0.005		<0.5	0.53	<5	20	<0.5	<2	1.83	<0.5	1	89	9	0.83
389912		3.76	<0.005		<0.5	0.99	<5	60	<0.5	<2	3.65	<0.5	<1	121	4	0.80
389913		3.54	<0.005		<0.5	1.86	9	110	<0.5	<2	2.34	<0.5	1	70	3	0.55
389914		3.32	<0.005		<0.5	1.18	<5	70	<0.5	<2	2.71	<0.5	<1	116	4	0.70
389915		1.76	<0.005		<0.5	1.26	<5	60	<0.5	<2	1.66	<0.5	<1	72	4	0.59
389916		3.08	<0.005		<0.5	2.65	13	150	0.6	<2	1.16	<0.5	2	106	7	0.90
389917		3.62	<0.005		<0.5	2.64	7	140	0.6	<2	2.43	<0.5	2	56	24	1.02
389918		1.96	<0.005		<0.5	5.25	15	350	1.3	<2	1.37	<0.5	9	110	30	1.92
389919		3.00	<0.005		<0.5	2.96	11	180	0.7	<2	2.62	<0.5	4	176	10	1.39
389920		2.54	<0.005		<0.5	4.31	12	290	1.0	<2	1.90	<0.5	5	93	28	1.73
389921		1.16	<0.005	<0.005	<0.5	4.38	8	280	1.0	<2	1.76	<0.5	5	155	16	1.74
389922		2.52	<0.005		<0.5	1.11	<5	20	<0.5	<2	2.93	<0.5	1	94	8	0.98



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Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
389883		0.04	3.86	0.51	35	<1	0.14	33	590	44	3.18	5	52	0.34	85	<10
389884		0.03	0.24	2.80	315	1	0.01	2	60	99	0.15	<5	154	0.02	5	<10
389885		0.01	0.22	2.24	243	<1	0.01	4	50	7	0.10	<5	120	0.02	3	<10
389886		0.02	0.21	1.83	214	<1	0.01	2	40	15	0.10	<5	102	0.01	3	<10
389887		0.01	0.22	3.01	339	<1	0.01	5	30	66	0.12	<5	158	0.01	3	<10
389888		0.03	0.22	2.33	274	<1	0.01	5	80	104	0.29	<5	144	0.02	5	<10
389889		0.22	0.31	1.18	148	4	0.02	17	70	467	0.24	6	112	0.02	5	<10
389890		0.05	0.35	1.34	209	1	0.01	4	60	1035	0.26	<5	114	0.02	6	<10
389891		0.02	2.42	1.13	145	<1	0.08	18	130	46	1.03	<5	97	0.23	46	<10
389892		0.02	0.31	1.82	209	<1	0.01	3	50	56	0.20	<5	167	0.02	5	<10
389893		0.01	0.45	1.84	186	2	0.02	3	100	10	0.32	<5	125	0.03	8	10
389894		0.01	0.23	2.03	262	<1	0.01	3	60	22	0.15	<5	106	0.02	4	<10
389895		0.01	0.24	2.12	308	2	0.02	2	30	2	0.15	<5	125	0.02	5	<10
389896		0.04	3.54	0.60	74	<1	0.14	33	220	26	3.37	<5	106	0.30	96	<10
389897		0.01	0.24	0.43	71	3	0.01	4	50	7	0.43	<5	80	0.04	7	<10
389898		0.02	1.80	0.32	72	<1	0.07	17	210	11	1.73	5	47	0.16	36	<10
389899		<0.01	0.14	0.19	55	3	0.01	3	50	<2	0.20	<5	24	0.04	4	<10
389900		<0.01	0.13	0.29	92	1	0.01	6	50	2	0.16	<5	28	0.03	4	<10
389901		<0.01	0.14	0.33	95	3	0.01	4	50	<2	0.20	<5	32	0.03	4	<10
389902		<0.01	0.16	0.36	92	1	0.01	5	30	4	0.15	<5	34	0.04	5	<10
389903		0.01	0.15	0.83	158	3	0.01	3	40	6	0.13	<5	76	0.03	5	<10
389904		0.01	0.12	1.12	245	1	0.01	5	10	4	0.31	<5	106	0.02	5	<10
389905		0.03	2.69	0.91	222	<1	0.14	25	610	16	3.28	<5	134	0.27	74	<10
389906		0.02	1.77	1.13	307	<1	0.09	23	590	12	2.11	<5	138	0.21	51	<10
389907		0.02	1.97	0.98	253	1	0.10	22	140	13	2.11	<5	100	0.21	53	10
389908		0.02	2.87	1.13	287	<1	0.12	27	210	19	2.91	<5	116	0.24	69	<10
389909		0.02	3.47	0.87	202	<1	0.14	31	250	16	3.28	<5	106	0.29	90	<10
389910		0.02	4.05	0.49	53	<1	0.15	37	260	21	3.65	9	78	0.30	104	<10
389911		<0.01	0.13	0.75	176	4	0.01	3	40	11	0.30	<5	92	0.03	5	<10
389912		<0.01	0.30	0.93	184	<1	0.01	3	60	11	0.19	<5	112	0.03	5	<10
389913		<0.01	0.63	0.42	87	2	0.02	6	50	<2	0.23	<5	69	0.06	10	10
389914		<0.01	0.38	0.50	99	<1	0.01	5	60	5	0.26	<5	84	0.03	7	<10
389915		0.01	0.35	0.48	91	3	0.01	5	60	6	0.21	<5	48	0.03	6	<10
389916		<0.01	0.98	0.62	93	<1	0.03	8	90	3	0.49	<5	51	0.09	19	<10
389917		0.01	0.81	0.94	146	1	0.02	7	80	20	0.59	<5	83	0.09	17	<10
389918		0.04	2.30	0.64	77	2	0.06	20	460	40	1.82	<5	100	0.18	48	<10
389919		0.01	1.09	1.11	173	1	0.03	10	200	9	0.94	<5	128	0.10	23	<10
389920		0.02	1.72	0.95	154	1	0.05	17	110	13	1.37	5	96	0.15	37	<10
389921		0.01	1.75	0.90	138	1	0.05	19	180	12	1.54	<5	91	0.17	38	<10
389922		0.02	0.12	1.15	213	2	0.01	5	70	43	0.27	<5	121	0.03	6	10



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Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
389883		22
389884		177
389885		17
389886		82
389887		73
389888		165
389889		1010
389890		444
389891		43
389892		138
389893		14
389894		4
389895		5
389896		93
389897		9
389898		10
389899		<2
389900		4
389901		2
389902		4
389903		17
389904		3
389905		76
389906		36
389907		30
389908		32
389909		59
389910		53
389911		20
389912		15
389913		2
389914		3
389915		2
389916		5
389917		31
389918		129
389919		14
389920		112
389921		31
389922		108



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CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
389923		2.32	<0.005		<0.5	7.02	12	530	1.8	<2	0.81	<0.5	12	118	32	3.00
389924		1.56	<0.005		<0.5	0.89	12	30	<0.5	<2	7.96	<0.5	<1	50	5	1.56
389925		1.46	<0.005		<0.5	3.05	8	170	0.7	<2	9.77	<0.5	5	122	11	1.52
389926		1.98	<0.005		<0.5	3.47	<5	210	0.8	<2	4.23	<0.5	6	74	15	1.60
389927		1.60	<0.005		<0.5	4.82	8	280	1.1	<2	2.33	<0.5	7	184	15	1.76
389928		2.30	<0.005		<0.5	1.91	9	100	<0.5	<2	2.32	<0.5	3	101	15	1.36
389929		3.02	<0.005		<0.5	0.92	7	30	<0.5	<2	3.00	<0.5	1	230	25	1.05
389930		1.78	<0.005		<0.5	8.73	22	640	2.2	<2	0.58	<0.5	13	113	31	2.68
389931		1.68	<0.005		<0.5	1.56	5	80	<0.5	<2	1.30	<0.5	2	89	10	0.97
389932		1.68	<0.005		<0.5	8.20	24	590	2.1	<2	0.81	<0.5	12	136	24	2.69
389933		3.44	<0.005		<0.5	2.07	<5	80	<0.5	<2	3.85	<0.5	2	64	21	1.40
389934		3.14	<0.005		<0.5	4.73	13	310	1.0	<2	1.86	<0.5	7	180	12	1.82
389935		2.44	<0.005		<0.5	3.81	7	220	0.8	<2	2.52	<0.5	4	98	19	1.67
389936		3.50	<0.005		<0.5	3.38	7	180	0.7	<2	3.21	<0.5	5	128	33	1.63
389937		3.58	<0.005		<0.5	3.86	<5	240	0.8	<2	3.20	<0.5	6	69	13	1.57
389938		2.26	<0.005		<0.5	4.38	11	270	1.0	<2	2.12	<0.5	6	182	14	1.68
389939		1.48	0.033		3.6	9.10	70	500	2.0	<2	0.70	2.8	18	182	407	3.06
389940		1.68	<0.005		<0.5	0.75	8	30	<0.5	<2	1.53	<0.5	2	119	10	1.10
389941		0.74	<0.005	<0.005	<0.5	1.20	12	60	<0.5	<2	1.56	<0.5	5	329	11	1.26
389942		2.20	<0.005		<0.5	6.57	14	350	1.4	<2	1.44	<0.5	12	91	27	2.56
389943		3.26	<0.005		<0.5	8.19	18	440	1.7	<2	2.01	<0.5	16	108	32	2.55
389944		2.48	<0.005		<0.5	7.21	14	390	1.5	<2	2.09	<0.5	11	92	31	2.84
389945		1.46	<0.005		<0.5	2.84	7	170	0.6	<2	4.13	<0.5	5	129	14	1.79
389946		2.08	<0.005		<0.5	0.37	<5	20	<0.5	<2	2.06	<0.5	3	126	7	1.65
389947		0.38	0.007		39.6	6.33	31	440	1.5	<2	2.12	<0.5	12	258	103	2.95
389948		1.26	0.008		42.5	8.03	48	440	2.0	<2	1.19	<0.5	13	177	133	3.40
389949		0.98	<0.005		<0.5	0.71	7	40	<0.5	<2	0.94	<0.5	2	268	8	0.93
389950		3.06	<0.005		<0.5	0.44	<5	20	<0.5	<2	1.42	<0.5	1	140	7	1.09
389951		0.56	<0.005		<0.5	4.19	17	230	0.9	<2	1.67	<0.5	4	196	22	1.10
389952		1.40	<0.005		<0.5	0.95	12	50	<0.5	<2	2.33	<0.5	4	121	18	1.78
389953		0.32	<0.005		23.1	4.60	19	360	0.9	<2	1.34	0.8	6	398	53	1.61
389954		0.94	<0.005		30.6	6.17	30	440	1.4	<2	0.45	<0.5	10	129	107	2.24
389955		3.84	<0.005		<0.5	2.60	15	170	0.5	<2	2.31	<0.5	5	165	13	2.42
389956		2.76	<0.005		<0.5	8.63	17	490	1.9	<2	0.91	<0.5	14	91	36	3.82
389957		3.74	<0.005		<0.5	8.94	15	490	1.9	<2	1.22	<0.5	14	110	38	4.05
389958		3.90	<0.005		<0.5	7.85	28	540	1.8	<2	0.34	<0.5	15	208	28	3.24
389959		2.88	<0.005		<0.5	2.26	13	140	<0.5	<2	1.03	<0.5	4	301	10	1.68
389960		1.72	<0.005		<0.5	0.94	6	60	<0.5	<2	1.44	<0.5	2	399	5	1.44
389961		1.66	<0.005	<0.005	<0.5	1.11	11	80	<0.5	<2	0.79	<0.5	4	353	10	1.32
389962		1.98	<0.005		<0.5	0.81	11	50	<0.5	<2	2.58	<0.5	3	238	6	1.36



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Project: Hyland

CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
389923		0.03	3.33	0.72	76	<1	0.08	30	460	33	3.22	5	65	0.26	70	<10
389924		0.01	0.23	3.89	424	<1	0.01	2	1220	8	0.39	<5	289	0.02	8	<10
389925		0.01	1.17	1.86	215	1	0.03	9	330	9	1.16	<5	241	0.08	23	<10
389926		0.01	1.38	1.32	182	2	0.04	10	370	15	1.19	<5	160	0.10	26	<10
389927		0.01	1.98	1.18	158	2	0.05	13	140	16	1.37	<5	116	0.17	39	<10
389928		0.01	0.67	0.66	116	2	0.02	9	80	14	0.96	<5	65	0.06	14	<10
389929		0.01	0.18	0.73	134	2	0.01	6	50	6	0.56	<5	96	0.03	5	<10
389930		0.02	4.24	0.61	22	2	0.11	33	190	16	2.72	<5	51	0.35	88	<10
389931		0.01	0.51	0.42	88	2	0.02	6	70	8	0.55	<5	38	0.06	11	<10
389932		0.02	3.70	0.67	63	2	0.12	28	220	23	2.76	<5	63	0.29	79	<10
389933		0.01	0.49	1.70	253	6	0.03	12	170	4	0.50	<5	135	0.04	10	<10
389934		0.01	1.79	0.99	128	2	0.07	16	110	15	1.42	<5	98	0.16	35	<10
389935		0.01	1.36	1.30	186	3	0.05	10	120	14	0.94	<5	104	0.12	25	<10
389936		0.01	1.17	1.50	222	1	0.04	7	220	16	0.94	<5	115	0.10	22	<10
389937		0.01	1.26	1.34	182	2	0.05	9	330	12	0.99	<5	144	0.12	27	<10
389938		0.01	1.64	1.07	185	2	0.07	13	270	42	1.12	<5	106	0.13	35	<10
389939		0.10	3.25	0.54	62	2	0.21	31	260	2070	3.04	<5	142	0.24	98	<10
389940		0.02	0.21	0.70	217	2	0.02	8	40	12	0.42	<5	159	0.03	10	<10
389941		0.01	0.44	0.73	213	3	0.03	11	50	12	0.63	<5	173	0.05	19	<10
389942		0.02	2.39	0.89	178	2	0.15	29	240	23	2.17	<5	216	0.22	73	<10
389943		0.01	3.05	0.78	148	2	0.18	28	330	17	2.24	<5	174	0.27	88	<10
389944		0.02	2.82	1.12	265	2	0.17	29	530	22	2.53	<5	148	0.26	88	<10
389945		0.01	1.16	2.17	516	2	0.08	11	530	12	0.94	<5	164	0.09	37	<10
389946		0.01	0.11	0.93	336	3	0.02	4	50	6	0.82	<5	71	0.01	5	<10
389947		0.04	2.28	1.04	244	5	0.11	35	230	38	2.16	5	178	0.20	67	190
389948		0.04	3.04	0.76	182	5	0.14	44	250	46	2.74	6	118	0.24	100	220
389949		<0.01	0.25	0.41	202	3	0.03	8	40	5	0.39	<5	38	0.03	12	<10
389950		<0.01	0.13	0.61	276	3	0.02	5	70	3	0.18	<5	67	0.01	6	<10
389951		<0.01	1.54	0.79	335	2	0.16	10	100	17	0.26	<5	83	0.16	45	<10
389952		0.01	0.33	0.96	524	3	0.04	10	780	13	0.54	<5	87	0.03	13	<10
389953		0.01	1.52	0.69	188	3	0.14	22	170	12	0.72	<5	127	0.15	44	100
389954		0.01	2.28	0.45	146	2	0.23	28	200	10	1.04	<5	112	0.20	66	90
389955		0.01	0.93	1.00	684	2	0.10	13	390	17	1.40	<5	130	0.08	35	<10
389956		0.01	2.88	0.97	377	1	0.35	36	840	16	1.14	<5	196	0.26	111	<10
389957		<0.01	2.95	1.24	509	2	0.40	35	570	19	0.92	<5	235	0.24	109	<10
389958		0.01	3.00	0.41	98	1	0.34	34	400	21	2.76	<5	196	0.24	104	<10
389959		0.01	0.81	0.49	172	2	0.09	10	70	8	1.20	<5	131	0.09	26	<10
389960		0.01	0.34	0.48	154	1	0.04	9	60	6	0.81	<5	76	0.03	12	<10
389961		0.01	0.38	0.37	120	6	0.05	12	50	8	0.66	<5	71	0.05	17	<10
389962		<0.01	0.29	0.81	228	4	0.03	9	50	6	0.61	<5	99	0.04	12	<10



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CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
389923		62
389924		63
389925		20
389926		13
389927		10
389928		10
389929		7
389930		9
389931		4
389932		39
389933		12
389934		6
389935		10
389936		66
389937		37
389938		26
389939		790
389940		6
389941		7
389942		29
389943		34
389944		22
389945		16
389946		11
389947		37
389948		60
389949		4
389950		4
389951		24
389952		38
389953		14
389954		35
389955		25
389956		61
389957		68
389958		20
389959		5
389960		3
389961		4
389962		23



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CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-AA23D Au ppm 0.005	ME-ICP61 As ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
389963		3.20	<0.005		<0.5	5.73	22	370	1.1	<2	2.57	<0.5	9	203	15	2.45
389964		2.90	<0.005		<0.5	0.95	<5	60	<0.5	<2	32.8	<0.5	2	18	4	0.67
389965		3.70	<0.005		<0.5	0.66	6	40	<0.5	<2	33.0	<0.5	<1	15	4	0.34
389966		3.52	<0.005		<0.5	1.76	<5	100	<0.5	<2	32.0	<0.5	2	26	11	0.76
389967		3.20	<0.005		<0.5	0.78	<5	40	<0.5	<2	34.9	<0.5	2	12	4	0.29
389968		3.74	<0.005		<0.5	0.62	7	30	<0.5	<2	34.9	<0.5	2	7	4	0.29
389969		3.74	<0.005		<0.5	0.59	<5	40	<0.5	<2	34.0	<0.5	2	7	3	0.27
389970		3.52	<0.005		<0.5	0.42	<5	30	<0.5	<2	35.9	<0.5	1	6	3	0.21
389971		3.80	<0.005		<0.5	0.93	5	60	<0.5	<2	35.0	<0.5	2	13	5	0.43
389972		3.52	<0.005		<0.5	2.24	9	180	<0.5	<2	29.6	<0.5	3	16	14	0.84
389973		3.64	<0.005		<0.5	7.93	20	500	1.7	<2	0.69	<0.5	13	126	29	2.91
389974		3.94	<0.005		<0.5	6.99	10	380	1.5	<2	1.94	<0.5	13	92	33	3.83
389975		3.52	<0.005		<0.5	9.39	13	590	2.2	<2	0.51	<0.5	12	100	38	3.59
389976		3.58	<0.005		<0.5	8.81	11	550	2.2	<2	0.54	<0.5	17	104	46	3.93
389977		3.66	<0.005		<0.5	7.59	10	480	1.5	<2	0.90	<0.5	10	98	28	2.80
389978		3.72	<0.005		<0.5	8.96	16	590	2.1	<2	0.63	<0.5	11	93	37	3.70
389979		2.64	<0.005		<0.5	9.19	16	570	2.1	<2	0.95	<0.5	14	123	40	4.33
389980		2.84	<0.005		<0.5	8.71	35	550	1.9	<2	1.72	<0.5	15	97	49	4.00
389981		1.28	<0.005	<0.005	<0.5	8.73	29	570	1.9	<2	1.46	<0.5	15	120	47	3.67
389982		2.02	<0.005		<0.5	0.77	<5	50	<0.5	<2	35.9	<0.5	2	12	15	0.48
389983		2.54	<0.005		<0.5	1.41	7	100	<0.5	<2	33.9	<0.5	3	24	6	0.77
389984		3.72	<0.005		<0.5	0.84	<5	50	<0.5	<2	34.9	<0.5	2	11	3	0.53
389985		3.56	<0.005		<0.5	3.36	10	190	0.7	<2	24.4	<0.5	4	54	12	1.40
389986		3.60	<0.005		<0.5	2.95	10	200	0.5	<2	29.4	<0.5	4	27	9	1.24
389987		3.54	<0.005		<0.5	1.57	7	90	<0.5	<2	29.3	<0.5	4	20	8	0.88
389988		3.60	<0.005		<0.5	3.26	16	180	0.6	<2	26.3	<0.5	5	32	11	1.59
389989		3.70	<0.005		<0.5	2.94	8	170	0.6	<2	26.8	<0.5	4	24	7	0.83
389990		3.56	<0.005		<0.5	2.64	8	150	0.5	<2	28.7	<0.5	4	26	10	0.99
389991		3.76	<0.005		<0.5	0.65	<5	60	<0.5	<2	34.4	<0.5	2	14	3	0.31
389992		3.50	<0.005		<0.5	3.05	13	160	0.6	<2	26.5	<0.5	5	28	14	1.64
389993		3.60	<0.005		<0.5	4.87	16	250	0.9	<2	21.5	<0.5	7	35	17	2.02
389994		3.56	<0.005		<0.5	5.08	20	250	1.0	<2	19.80	<0.5	7	43	22	2.04
389995		3.86	<0.005		<0.5	4.14	12	210	0.9	<2	25.8	<0.5	5	32	18	1.70
389996		3.46	<0.005		<0.5	3.63	12	200	0.7	<2	25.8	<0.5	5	35	16	1.50
389997		3.24	<0.005		<0.5	1.06	<5	80	<0.5	<2	35.7	<0.5	1	12	6	0.46
389998		0.96	<0.005		<0.5	1.29	7	70	<0.5	<2	31.9	<0.5	2	21	10	0.75
389999		1.70	<0.005		<0.5	6.83	31	480	1.5	<2	2.31	<0.5	14	75	53	2.84
390000		3.70	<0.005		<0.5	8.37	31	590	1.9	<2	1.20	<0.5	12	92	41	2.82



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Sample Description	Method Analyte Units LOR	Hg-CV41 Hg ppm 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10
389963		0.01	2.03	1.26	188	1	0.25	22	150	21	1.90	<5	225	0.17	61	<10
389964		0.01	0.31	1.05	160	<1	0.04	4	240	12	<0.01	<5	902	0.04	9	<10
389965		0.01	0.22	0.34	112	<1	0.04	1	190	10	<0.01	<5	1045	0.03	6	<10
389966		0.01	0.55	0.32	64	<1	0.15	7	130	17	1.01	<5	1535	0.08	16	<10
389967		0.01	0.21	0.31	41	<1	0.08	<1	80	6	<0.01	<5	1380	0.03	6	<10
389968		0.01	0.17	0.36	48	<1	0.05	1	210	6	<0.01	<5	1255	0.02	5	<10
389969		0.01	0.19	0.37	50	<1	0.04	1	290	11	<0.01	<5	940	0.02	5	<10
389970		0.01	0.13	0.33	29	<1	0.03	<1	270	2	<0.01	<5	1390	0.02	4	<10
389971		0.03	0.28	0.38	59	<1	0.08	2	190	34	0.5	<5	1440	0.04	9	<10
389972		0.01	0.84	1.14	116	1	0.10	9	280	13	0.83	<5	992	0.08	19	<10
389973		0.02	2.76	0.55	172	1	0.31	30	230	14	1.50	<5	198	0.29	90	<10
389974		<0.01	2.22	1.30	510	1	0.20	29	990	28	0.60	<5	219	0.24	80	<10
389975		<0.01	3.27	0.93	306	1	0.25	33	250	12	0.31	<5	165	0.36	113	<10
389976		0.01	3.36	0.94	337	1	0.21	39	330	11	0.40	<5	140	0.38	126	<10
389977		0.01	2.43	0.70	278	2	0.40	26	300	9	0.40	<5	170	0.26	84	<10
389978		<0.01	3.16	0.87	368	1	0.23	30	240	12	0.41	<5	156	0.33	110	<10
389979		0.07	3.07	1.00	305	2	0.23	39	1910	6	0.54	<5	200	0.28	111	<10
389980		<0.01	3.08	0.92	246	1	0.23	33	710	10	1.22	<5	202	0.32	101	<10
389981		0.19	3.22	0.89	249	1	0.24	32	730	10	1.00	<5	202	0.30	103	<10
389982		0.01	0.27	0.48	131	5	0.05	8	190	13	0.5	<5	1255	0.03	8	<10
389983		0.11	0.51	0.69	130	1	0.05	4	210	48	0.8	<5	1350	0.06	13	<10
389984		0.01	0.30	0.33	164	<1	0.04	1	240	27	<0.01	<5	1680	0.03	8	<10
389985		0.05	1.17	0.59	177	1	0.16	12	170	45	0.98	<5	1435	0.14	35	<10
389986		0.01	1.02	0.52	117	<1	0.15	8	190	28	1.36	<5	1960	0.12	28	<10
389987		0.02	0.68	0.42	142	<1	0.08	8	340	91	0.90	<5	1495	0.07	17	<10
389988		0.07	1.12	0.59	190	1	0.16	12	260	24	1.52	<5	1535	0.12	31	<10
389989		0.01	1.00	0.51	104	<1	0.15	5	310	11	0.80	<5	1675	0.11	27	<10
389990		0.05	0.95	0.53	130	<1	0.13	8	270	15	0.83	<5	1750	0.11	25	<10
389991		0.03	0.21	0.32	62	<1	0.04	<1	260	8	0.37	<5	2400	0.02	6	<10
389992		0.01	1.04	0.57	207	<1	0.16	15	340	16	1.18	<5	1715	0.12	29	<10
389993		0.01	1.64	0.71	239	<1	0.23	15	200	21	1.44	<5	1690	0.19	44	<10
389994		0.02	1.78	0.64	180	1	0.29	18	180	19	1.62	<5	1345	0.13	46	<10
389995		0.02	1.32	0.59	158	1	0.27	13	180	13	1.23	<5	1685	0.17	40	<10
389996		0.01	1.18	0.60	138	<1	0.23	12	240	14	1.28	<5	1650	0.14	35	<10
389997		0.01	0.35	0.51	68	1	0.07	5	190	13	0.6	<5	1475	0.04	9	<10
389998		0.01	0.40	0.64	226	1	0.04	4	230	18	0.48	<5	1340	0.05	12	<10
389999		0.01	2.49	0.95	334	1	0.27	31	210	9	0.61	<5	180	0.22	67	<10
390000		<0.01	2.89	0.82	237	1	0.34	31	240	7	0.18	<5	147	0.28	92	<10



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CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	ME-ICP61 Zn ppm 2
389963		24
389964		32
389965		15
389966		61
389967		12
389968		17
389969		28
389970		8
389971		35
389972		48
389973		47
389974		60
389975		65
389976		73
389977		44
389978		63
389979		65
389980		48
389981		44
389982		23
389983		80
389984		27
389985		21
389986		59
389987		190
389988		21
389989		26
389990		16
389991		12
389992		12
389993		19
389994		14
389995		27
389996		27
389997		31
389998		26
389999		28
390000		45



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QC CERTIFICATE OF ANALYSIS VA04060614

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QC CERTIFICATE OF ANALYSIS VA04060614

[illegible]

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[illegible]



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QC CERTIFICATE OF ANALYSIS VA04060614

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
		0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
ORIGINAL DUP Target Range: Lower Bound Upper Bound		DUPLICATES														
ORIGINAL DUP Target Range: Lower Bound Upper Bound																
ORIGINAL DUP Target Range: Lower Bound Upper Bound																
ORIGINAL DUP Target Range: Lower Bound Upper Bound		2.45 2.24	0.57 0.54	328 307	<1 <1	0.29 0.27	10 11	180 140	3 <2	0.97 0.90	<5 <5	59 54	0.15 0.14	18 16	<10 <10	365 331
088755 DUP Target Range: Lower Bound Upper Bound		2.21 2.48	0.51 0.60	292 343	<1 2	0.25 0.31	8 13	120 180	<2 4	0.87 1.00	<5 10	52 61	0.12 0.17	14 20	<10 20	327 389
088762 DUP Target Range: Lower Bound Upper Bound																
088765 DUP Target Range: Lower Bound Upper Bound		1.30 1.27	0.64 0.63	243 240	<1 <1	0.16 0.15	14 14	310 300	20 14	0.68 0.67	<5 <5	1355 1320	0.13 0.13	34 33	<10 <10	31 29
389879 DUP Target Range: Lower Bound Upper Bound		1.20 1.37	0.58 0.69	219 264	<1 2	0.13 0.18	11 17	270 340	12 22	0.62 0.73	<5 10	1270 1405	0.10 0.16	30 37	<10 20	25 38



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QC CERTIFICATE OF ANALYSIS VA04060614

Method	Au-AA23	Au-AA23D	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Hg-CV41
Analyte	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR	0.005	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01
Sample Description	DUPLICATES														
389970			<0.5	0.42	<5	30	<0.5	<2	35.9	<0.5	1	6	3	0.21	
DUP			<0.5	0.44	<5	30	<0.5	<2	35.2	<0.5	1	6	3	0.20	
Target Range - Lower Bound			<0.5	0.39	<5	<10	<0.5	<2	33.8	<0.5	<1	4	<1	0.17	
Upper Bound			1.0	0.47	10	50	1.0	4	37.3	1.0	2	8	5	0.24	
389977	<0.005														
DUP	<0.005	<0.005													
Target Range - Lower Bound	<0.005	<0.005													
Upper Bound	0.010	0.010													
389996															0.01
DUP															0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
ORIGINAL	0.018														
DUP	0.019	0.019													
Target Range - Lower Bound	0.008	0.008													
Upper Bound	0.029	0.030													
ORIGINAL	>10.0														
DUP	>10.0	>10.0													
Target Range - Lower Bound	9.49	9.49													
Upper Bound	10.00	10.00													
ORIGINAL			<0.5	6.07	<5	110	0.5	2	1.34	<0.5	35	31	135	9.46	
DUP			<0.5	6.16	<5	100	0.5	2	1.34	<0.5	33	30	140	9.52	
Target Range - Lower Bound			<0.5	5.79	<5	80	<0.5	<2	1.25	<0.5	30	27	129	9.00	
Upper Bound			1.0	6.44	10	130	1.0	4	1.43	1.0	38	34	146	9.98	

