

Diamond Drill Log DDH 3-01

Dip 45, Azi: 270, North 6160528 +/- 8m East 348033 +/- 8m T.D. 224.9 m

Date: May 23 Logged By: J. Oliver Page 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments	
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	3																					CASING	
																							3
3	17.95	CA																				CHERTY ARGILLITE	
				4.5	S1 28								0,5									Strongly transposed, cherty argillite. May contain minor grey limestone interbeds.	
					S0 5																	Abundant foliation parallel slip planes.	
																						Net sulphide content low; < 0.5%, euhedral pyrite.	
															0,5							Minor mm scale quartz veins, irregular in form, no alteration envelopes.	
				12.5	S1/S0 25																	Note limestone interbed at 7.5 to 8.4.	
																						No skarn assemblages. Pyrite content elevated in mm - cm scale clastic layers. Non-magnetic.	
																						17.95	
																						LIMESTONE	
17.95	52.7	L		19	S1 40																	Light grey to medium grey, medium grained limestone.	
																						Sporadic hints of bioclastic debris, pellets, crinoids. Generally heavy re-cyrstallization. Locally well developed stylolitic and presure solution cleavages.	
																						Distinctive gradational contact from 17.95 - 18.2, 15% black clastic matrix.	
																						No development of skarn or hydrothermal alteration products.	
				37.95	S1 35																	No significant structural zones	
																						Sporadic irregular non-sulphidic, quartz veinlets	
																						Net sulphide content, pyrite, very low < 0,2 %.	
																						52.7	
52.7	54.8	PI											0,5									LIMY-CHLORITIC PHYLLITE	
				53.85	60																	Pale green-grey, moderately compositionally layered limy phyllite.	
																						Calcite content decreases, increased dolomite, weak A-red response.	
				54.85	45																	Matrix pyrite slightly increased, 0,5%. No base metal phases.	
																						No skarn development, no vein development.	
																						54.8	
54.8	72.7	L																				LIMESTONE	
																						Homogeneous light grey limestone, felted re-crystalized matrix.	
													Tr									No significant development of internal compositional layers, sporadic stylolitic cleavages.	
																						No significant vein development, no skarn assemblages.	
																						Intact core, no brittle-ductile failures.	
																						Net sulphide content low, pyrite < 0,2%	

				135.5	S1/S0	35														Minor brittle failure zone at upper contact between 115.2 - 116.1;	
				141.9	S0	45														blockly broken cone, no vein injection.	
																				Net sulphide, Py content low, 0,5%, usually as compositionally parallel lamella.	
																				Minor green-grey limy phyllite interbed between 141.9 and 142.9.	
																				No skarn assemblages, no high sulphide veins.	
				160.1	S0 39															160.1	
160.1	165.4	L																		LIMESTONE	
																				Blue-grey felted matrix, medium grained Sporadic pressure solution cleavages.	
																				Increasing black clastic input toward the basal contact, 163.9-165.4.	
																				Py < 0,5%, no sulphide vein or skarn assemblages.	
				167	S1=S0	53														165.4	
165.4	171.8	AP																		ARGILLACEOUS PHYLLITE	
																				Medium grey to grey green and well compositionally layered argillaceous phyllite.	
																				No sulphide veins or skarn assemblages. Pyrite averages 0,5% largely as narrow lamella.	
																				Rock compositional layers average 1,0 -3,0 cm.	
																				171.8	
171.8	179.1	CA																		CHERT-RIBBON BANDED CHERT	
																				Abundant cm scale, highly contorted chert lamella (80%) separated by narrow, mm scale black clastic lamella (20%).	
				178.8	0S0															Contorted lamella but no major faults indentified.	
																				Net sulphide content low, minor < 0,5% disseminated pyrite.	
																				Note minor 20 cm gouge zone towards the lower contact.	
																				Elevated sulphide content, 2-3% pyrite in clay rich gouge.	
																				179.1	
179.1		Fpd																		FELDSPAR PORPHYRITIC DYKE	
																				Apple green non-foliated feldspar porphyritic dyke.	
																				Feldspar are clouded and moderately sericitized, by volume 60% plagioclase.	
																				Homogeneous, no internal stockworks, no compositional differences.	
			187.8	Si	35															Finely disseminated matrix pyrite 0,25%, Finely disseminated matrix magnetite 0,25%.	
																				188.9	
188.9	196.5	C-A																		CHERT MINOR ARGILLITE	
																				Well compositionally laminated ribbon chert (85%) with lesser (15%)	
			192.4	S1	050%															black graphitic argillite compositional layers.	
																				Non-calcareous, non-magnetic.	
																				Low net sulphide content, pyrite < ,5%.	
																				No sulphide veins or skarn assemblages.	
																				196.5	
196.5	215.9	AP																		ARGILLACEOUS PHYLLITE	

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Date: May 24, 2003

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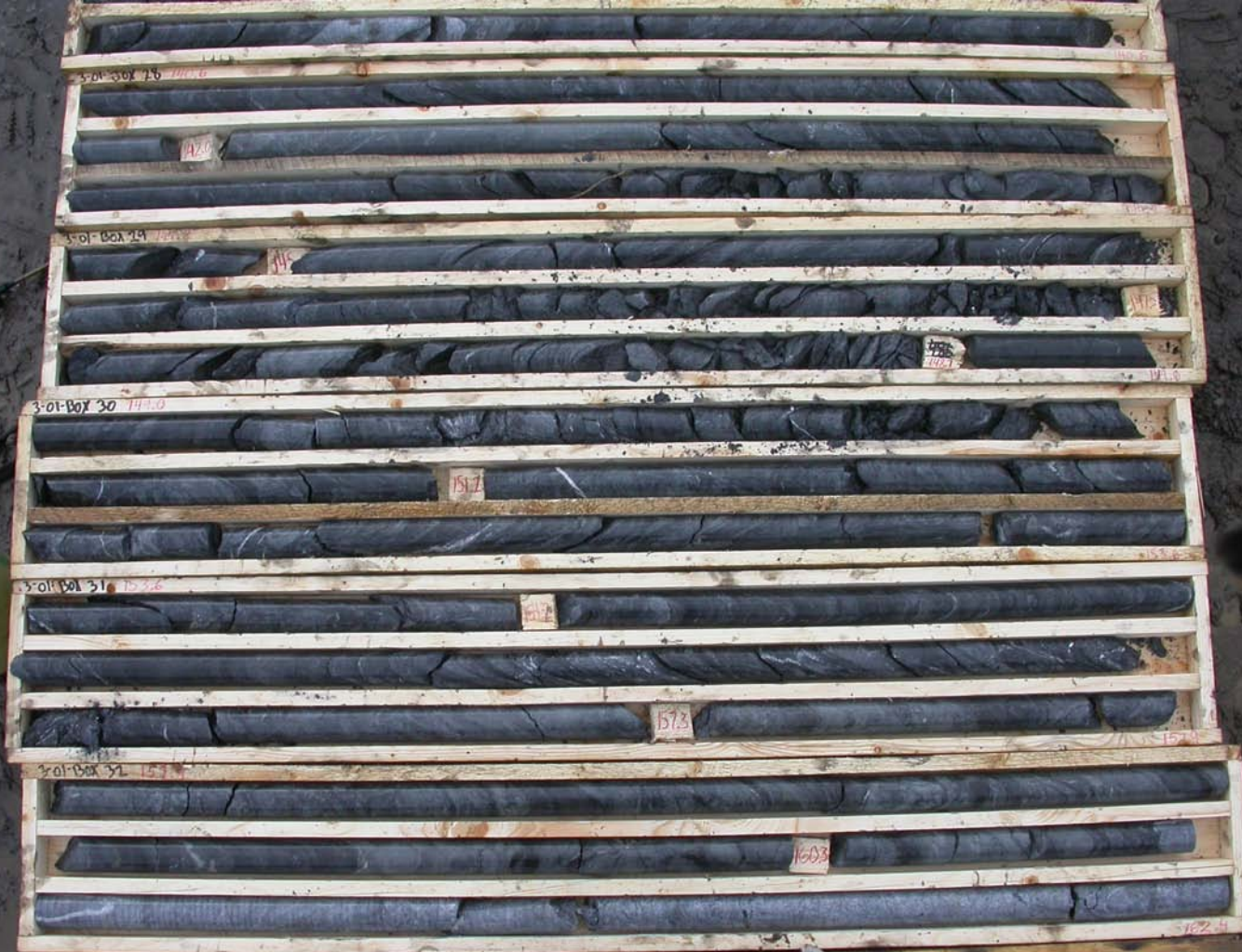
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3-01 8x24

3-01 8x24

3-01 8x24

3-01 8x24

3-01 8x24

3-01 8x24





3-01-BOX 16 93.8 82.6

3-01-BOX 17 93.1

3-01-BOX 18 93.3

3-01-BOX 19 97.3

3-01-BOX 20 103.6

3-01-BOX 21 107.6

306

305

1024

105.5

102.5

3-01-Box 12 62.4

614

628

3-01-Box 13 67.4

719

724

3-01-Box 14 72.4

749

780

780

3-01-Box 15 78.0

811

828

3-01 BOX 40.5

46.1

3-01 BOX 46.1

51.9

51.9

536

56.9

3-01 BOX 56.9

61.4

3-01 BOX 62.4

62.8

67.4

68.9

3-01 BOX 67.4





Diamond Drill Log DDH 3-02

Dip: 45, Azi: 270, T.D.: 151.2 m. North 6160598 +/-10 m, East 347945 +/- 10 m

Date: May 26, 03

Logged By: J. Oliver

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From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization								Comments	
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	0,9	CASE																				CASING
																						0.9
0.9	20.7	CA-X											3									CHERTY ARGILLITES MINOR DEPOSITIONAL BRECCIAS
																						Intercalated dark grey black argillites with slightly gritty cherts.
				9.5S2	O80																	Interbeds of cusplate oval chert breccias common.
																						Blocky broken core at upper contact, but no significant faults.
				20.5	S1S0																	Disseminated pyrite high, 3-4%, no base metal phases; non-magnetic.
																						No high sulphide weins or skarn assemblages.
																						Minor feldspar porphyritic dykelet between 16.5 and 17.5
																						20.7
20.7	21.3	L																				LIMESTONE
																						Felted texture, strongly re-crystalized limestone.
																						Sporadic discordant white calcite veins.
																						Very low net sulphide density, Py < .5 %
																						21.3
21.3	43.6	Fdp																				FELDSPAR PORPHYRITIC DYKE
				21.3	Sd:55																	Crowded, weakly altered feldspar porphyritc dyke.
																						Abundant blurred, but recognizable white plagioclase phenocrysts.
												0,5							1,0			Amphibole lathes, weakly altered.
																						Low disseminated pyrite, but good, 0.5 - 0,75% disseminated magnatite, 1 -1.5%
																						Clean intact core, no significant structures and no stockwork development.
																						Well developed chill margins at both upper and lower contacts.
				43.6	Sd:20																	43.6
43.6	46.5	L																				LIMESTONE
																						Medium grained blue-grey limestone. May contain minor tuffaceou
																						and sulphide rich inclusions at the upper contact.
																						Sporadic pressure solution textures, massive, non-bedded.
																						Disseminated pyrite from 43.6 to 44.6 10-12% elsewhere <.5%.
																						No stockwork veins no skarn development.
																						46.5

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				75.8	Si:60															Well developed cm scale compositional chert lamella (50%) separated by dark grey black argillite.
																				Locally chert lamella crumpled and rotated.
																				Pyrite averages 1.5% as disseminations, minor aggregates and lamella.
																				No base metals, skarn or sulphide vein assemblages.
																				Blocky core 72.1-74.0, minor fault?
																				78.6
78.6	92	L-CA		78.6	So:55															LIMESTONE, MINOR CHERT ARGILLITE INTERBEDS
																				Dark grey limestone, locally with well developed stylolites.
																				Weak shearing at upper CA contact.
																				Unit contains 10-15% by volume, <1.0 m wide, cherty argillite interbeds, interbeds are often highly contorted and strained.
																				External to secondary vein zones, sulphide contents within the limestone average 1.5% typically as dissemination.
																				Abundant black organics are noted with this interval.
																				Breccias within CA unit may be tectonic.
																				Black elastic gouge-brittle ductile failure between 91.5 and 92.0.
																				92
92,0	95.6	MZ																		MINERALIZED ZONE
																				Carbonate hosted high sulphide veins and breccias are noted within the interval.
																				Py 1-10 Apy 2-3 Sph 1-2%
				92.1	Sv	SO														Two narrow, high sulphide veins are cored, these are noted at 92.0-92.5 and 95.1-95.6 Veins contain stibuite, arsenopyrite, pyrite, red brown sphalevite, sooty tetrahedrite and galena.
																				Combined vein sulphide content in these intervals ranges: 20-30%
																				The interval between the veins is characterized by an anastomosing stockwork of off white calcite veins.
				95.3	Sv	SO														Open spaces dos-tooth calcite is common within this interval.
																				Dominant sulphide within high sulphide veins/veinlets is arsenopyrite.
																				95.6
95.6	137.9	L-Ac																		LIMESTONE WITH MINOR CALCAREOUS ARGILLITE INTERBEDS
																				Interbedded cream limestone with dark grey micritic limestone. Minor calcareous argillite interbeds are also noted within this interval.
				97.6	So=S125															Locally, sheaving may be localized to calcereous argillite interbeds.
				104.3	SO=S1	35														Locally blocky broken core but significant faults are unlikely. Strongest shearing within a moderately sulphidic and clay rich interbed at 97.1-97.4.
																				Second zone of elevated fine grained clastics significantly elevated sulphides between 103.9 - 105.0.

Assay Sample Log DDH 3-02

Date: May 26, 2003

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3-02-Box 13.0

3-02-Box 1

3-02-Box 2 10.5

3-02-Box 3 16.9

3-02-Box 4 21.2

3-02-Box 5 26.7

3-02-Box 6 30.1

49

1

10

119

149

179

201

232

262

293

124

105

169.1

21.2

25.1

30.1



5-02 8x 20 110.2

110.2

115.5

5-02 8x 21 115.5

117

120

121.1

5-02 8x 22 121.1

122

5-02 8x 23 126.3

125.1

128.1

131.9

5-02 8x 24 131.2

132













3-02 BX 24 131.2

131

132

3-02 BX 25 136.5

139

142

3-02 BX 26 142.0

145

3-02 BX 27 147.7

148

151

151.2



Diamond Drill Log DDH 3-03

Dip: -62.5 Azi: 270, North 6160598 East: 347945 E T. D. 176.2

Date: May 28

Logged By: J.Oliver

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																					disseminationsm ^ 1.0%. No other sulphide phases are identified.
																					Sporadic blocky broken core but no significant faults.
																					NOTE: 83.7-84.1: Minor intrusion breccia. Evhedral pyrite increases to 10%.
																					87
87	90	L																			LIMESTONE
													0,5								Medium to dark grey limestone, cut by many white calcite veinlets.
																					No sulphide association with veinlets.
																					Black organic inclusions commun, very minor < 5% by volume
																					cherty-argillite interbeds.
																					Net sulphides, pyrite :<0,5%.
																					Red brown garnets developed over a 10 cm interval at the lower
																					intrusive contact.
																					90
90,0	114.6	Fpd	Se																		FELDSPAR PORPHYRITIC DYKE
				90,0	Sd:50							0,5									Light grey green, crowded Feldspar porphyritic dyke. Uniform matrix
																					sericitization. Both feldspars and mafic minerals altered.
																					Low pyrite, <0,5%, hematite 2% as disseminated magnetite < 0.5%
																					Slight increase in bleaching towards the upper and lower contacts.
				92.2	Si:35																Homogeneous, no stockwork development, no contact effects.
																					Sporadic promary igneous foliation, trachytic feldspar alignment.
																					114.6
114.6	117,0	CA-lx																			CHERTY ARGILLITE AND CONTACT INTRUSION BRECCIA
				117,0	Sd:60							z									Narrow intrusive bounded cherty argillite and intrusion breccias.
																					Net sulphide content cherty argillite 1.0%, net sulphide phases
																					dominated by pyrite
																					No major faults, locally strongly rotated fabrics.
																					117
117,0	137,0	Fpd	Kse																		SERICITIZED FELDSPAR PORPHYRITIC DYKE
				125,0	Si:25																Apple green, moderately sericitized feldspar porphyritic dyke
																					Locally soft clay altered clay rich incompetant zones, without
																					significant movement.
				133.8	Si:25																No development of stockwork veins.
				137,0	Sd: 50																Net pyrite content low < 0.5%, weak magnetite, hematite 2-3%.
																					Marked bleaching from 136.0 to 137.0
																					137
137,0	140.4	MZ																			MINERALIZED ZONE
													0,5					0,25			Major fault, localized in part by intensely sheared bleak clastics at

																					the intrusive contact.
																					Strong ribbon banded quartz vein development over 1,0 m from 138.4-139.4.
			140,0	Si 20																	Abundant well rounded quartz vein fragments are identified in the incompetent gouge in the immediate hanging wall and footwall to this mineralized zone.
																					Sulphide content within the main vein is low. Fracture controlled arsenopyrite is noted at low 0.25% levels, euhedral pyrite is also noted, about 0.5%.
																					No reliable vein orientations are possible within this badly fractured rock mass.
																					140.4
140.4	152.3	A	Fo																		SHEARED ARGILLITE
				144.2	Sh 40																A jet black weakly compositionally laminated highly sheared argillite forms the interval. Very minor limestone interbeds are noted at the base of the interval.
				150.3	So 50																Boudinaged and rotated quartz vein fragments are also identified.
																					Relevant sub-intervals include:
																					140.4-144.3 Intense gouge +/- broken vein fragments.
				152.3	Sd 30																144.3-150.3 Sheared argillite vein fragments and gouge development weakens.
																					150.3-150.8 Minor limestone interbed
																					150.8-152.1 Sheared argillite
																					152.1-152.3 Sheared felsic dyke
																					152.3
152.3	157.7	C-Fpd																			CHERT MINOR FELSIC DYKES
				154.6	Si 15																Onset of massive to locally ribbon banded chert cut by minor sericitized fine grained felsic dykes.
																					Localized gouge zones, and minor discordant white quartz veins.
																					Low net sulphide content, pyrite 0.5%, no arsenopyrite identified.
																					Bleached and sericitized feldspar porphyritic dyke between 153.2-154.1.
																					157.7
157.7	176.2	A																			ARGILLACEOUS PHYLLITE
																					Well compositionally layered light to dark grey argillaceous phyllite.
																					Locally minor blocky gouge zones increasing down hole.
				161.4	Si=So=20																Minor foliation parallel quartz veins without sulphides or alteration selvages.
																					Non-calcareous no high sulphide veins.

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Assay Sample Log DDH 3-03

Date May 28, 2003

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3-03-Box 1 5.2

5.2

3-03-Box 4 10.2

10.2

3-03-Box 3 14.3

14.3

3-03-Box 2 18.7

18.7

3-03-Box 5 23.2

23.2

3-03-Box 6 27.5

27.5

27.5



3-03-BOX 24 118.2

118.2

3-03-BOX 25 121.5

121.5

121.5

3-03-BOX 26 126.8

126.8

130.7

130.7

3-03-BOX 27 135.9

135.9

135.9

3-03-BOX 28 139.6

139.6

139.6

3-03-BOX 29 139.6

139.6





3-03 8x12 54.7

3-03 8x13 60.8

3-03 8x14 66.5

3-03 8x15 72.2

3-03 8x16

60.8

66.5

72.2

76.4

3-03-BOX 6 27.5

336

3-03-BOX 7 31.8

31.8

32

351

364

3-03-BOX 8 36.4

387

41.1

3-03-BOX 9 41.1

424

44.7

3-03-BOX 10 44.7

442

423

3-03-BOX 11 49.2

48.2





133.2

136.2

139.3

142.3

M. 017931
DATE: 11/11/11

139.6

BOX 27 139.6





1423

1454



Diamond Drill Log DDH 3-04

Dip: 55, Azi: 280, North 6160527 +/- 6m, East 347949 East +/- 6 m. T.D. 178.0 m.
Date: May 30 Logged By: J Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments	
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	3.0	CASE																					CASING
																							3
3.0	40.2	Fpd	_Sek																				FELDSPAR PORPHYRITIC DYKE
																							Moderately clay altered and sericitized Feldspar porphyritic dyke.
				11.2	Si: 30																		Numerous 30-75% incompetant gouge and brittle failure zones throughout.
																							Minor discordant Cac veins, no skarn assemblages at lower contact.
																							Light matrix calcite, distict Feldspar phenocrysts, sporadic leucoxene,
				40.2	Sd: 20																		mafic ghosts probably hornblend present.
																							Pyrite as disseminated, 1.5% no magnetite.
																							Lower contact defined by a 10 cm gouge zone.
																							40.2
40.2	55.9	L																					LIMESTONE
																							Dark grey, to medium grey limestone.
				51.4	Sh:30																		Matrix is cut by numerous white calcite veinlets.
																							Blocky broken core, onset of sheaving toward the lower contact at
				55.9	So:30																		51-4 - 52.3.
																							Homogeneous, no internal beds.
																							Net sulphide content low pyrite 0,25-0.5 %, usually with black
																							organic inclusions.
																							55.9
55.9	63.5	CA																					CHERTY ARGILLITE
																							Moderately sheaved ribbon banded chert or cherty argillite.
				63.5	Sh:30																		Strong graphite development on shear surfaces.
																							Strong sheer development, parallel to bedding at the upper and lower contacts.
																							No development of high sulphide veins or skarn assemblages.
																							Disseminated evhedral pyrite, 0.75-1.0%.
																							63.5
63.5	66.3	L																					LIMESTONE
																							Medium grey homogeneous limestone interbed.
																							Relative to the preceeding limestone, density of discordant calcite

																					89.6
89.6	95.8	CA-sn																			SHEARED CHERTY ARGILLITES
																					Grey black, clay rich gouge zone within a cherty argillite.
			90.1	Si=So=30																	Light disseminated pyrite, no high sulphide veins.
																					Arsenopyrite trace, possible chalky alunite Pyrite 0.5 - 0.75%
																					95.8
95.8	99,0	MZ/Fpd Se																			SERICITIZED FELDSPAR PORPHYRITIC DYKE
																					Light grey green strongly sericitized feldspar porphyritic dyke.
													3		Tr						Shattered fractured feldspar prophyritic dyke contains numerous
				99,0	Sd:35																hairline to mm fractures.
																					Grey sulphides are commonly identified on fracture sets, translucent
																					yellow brown sphalocite in trace tetrahedrite.
																					Pyrite 3%
																					99
99,0	103.5	MZ											3		0,5		3,0				NUMBER 1 VEIN ZONE
																					Two very high sulphide veins are identified including:
																					99.0-99.5 Realgar vein, black argillite host.
				99.2	j/50																101.55-102.3 Very high sulphide vein. Arsenopyrite 10%,
																					pyrite 10-15%, tetrahedrite 0.75%.
				102.4	Si=So=5																Veins appear to be hosted by an argillaceous phyllite. Phyllite bands
																					are locally sub-parallel to CA, veins at 50 to Ca.
																					All core has abundant slip planes, and may have either a calcite +/-
																					alunite gargue.
																					No discrete vein textures per se, rather high sulphide replacements
																					appear to be the norm.
																					External to the principal veins the rock is either:
																					99.5 - 99.8: Bleached sericitic dykes or:
																					99.8 - 101.55: Sheared argillaceous phyllite, minor stockwork
																					veins common, arsenopyrite persistant at low 0.5% levels.
																					Boudinaged chert +/- vein (?) fragments are frequently noted in this interval.
																					102.3 - 103.5 2-3% disseminated arseno within the footwall contact.
																					103.5
103.5	114.9	AP	Sh																		SHEARED ARGILLACEOUS PHYLLITES
													0,75				Tr				Dark grey, extremely incomportent argillaceous phyllites.
																					The interval is a foliation parallel brittle ductile zone, 70% of the
				107.2	Si=10																interval is a completely incompetant gouge zone.
																					Very poorly defined compositional layers, no chert component.

																					Sporadic small scale, sub-mm, calcite veinlets.
																					Pyrite averages 0.75%, trace arsenopyrite.
																					114.9
114.9	138.4	AP																			ARGILLACEOUS PHYLLITE
													0,5								Light grey on black compositional layers, with very
				123.5	Si=So=25																Definitive changes in compositional layer orientation to CA, hole
																					cuts a synform or antiformal closure.
				131,0	Si=So=50																Sulphide levels are generally low, pyrite about 0.5%.
																					Numerous small scale slip planes, frequently graphitic.
																					138.4
138.4	150.5	A-P	Sh																		ARGILLACEOUS PHYLLITE - SHEARED
													0,5								Heavy gouge development across much of this interval.
				143,0	Si=S0=88																Relative to the preceeding interval, pale grey compositional layers
																					have significantly decreased, probably increase in argillite member.
																					Sporadic broken and rotated quartz vein fragments, significant
																					sulphides are not associated with these zones.
																					Net sulphide content low, pyrite 0.5%
																					150.5
150.5	156,0	C-A																			CHERT, MINOR ARGILLITE
																					Relatively thick, 2-4 cm cherty lamella define the interval.
				151.2	S0:55																Narrow, 0.25-0.5 cm argillite lamella highlight chert compositional layers.
																					Pyrite as minor <mm scale aggregates 0.25-0.5%
																					No stockwork veins, no high sulphide assemblages.
																					156
156,0	171.5	AP																			ARGILLACEOUS PHYLLITE
													0,5								Moderately thick greenish grey beds, 5-10 cm's, locally with diffuse
				164.5	Si=So=45																margins are interbedded with dark grey clastic rich interbeds.
																					Sporadic blocky broken core but no significant fault zones.
																					Compositional layers consistent at 45 to CA
																					Non-calcareous, sporadic pyrite aggregates, < 0.5 %.
																					No skarn or high sulphide vein assemblages.
																					171.5
171.5	178,0	CA																			CHERTY ARGILLITE
																					Cuspate chert lamella common, minor intervals may grade into
													0,75								argillaceous phyllites.
																					Occaissional blocky, broken core but no major faults.
																					No development of high sulphide, or stockwork or skarn assemblages.

[illegible]

Assay Sample Log DDH 3-04

Date: May 31, 2003

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[illegible]









10.04-Box

110.7

111.3

10.04-Box 25 113.9

113.9

110.0

3.04-Box 25 118.6

118.6

121.0

3.04-Box 25 123.9

123.9

120.3

3.04-Box 25 127.6

127.6

121.1

05-11-Box 25 131.7

131.7

133.2





3-04-Box 6 35.7

30.9

3-04-Box 7 36.0

36.0

3-04-Box 8 40.5

40.5

3-04-Box 9 45.4

45.4

3-04-Box 10 50.8

50.8

3-04-Box 11 56.9

56.9





3-04
99.2 M

3-04

102.0 m



Diamond Drill Log DDH 3-05

Dip: 45, Azi 270 T.D. 148.7 m, North 6160465 East 347935

Date: June 1, 2003 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	6.1	CASE																				Casing
																						6.1
6.1	44.7	Fpd	_Se																			FELDSPAR PORPHYRITIC DYKE
																						Medium to bleached cream, Feldspar porphyritic dyke.
				11,0	Si: 60																	Rock lightens - bleaches to pale cream green from 24.2 - 44.7
																						Abundant 2-2.5% disseminated hematite, virtually no pyrite.
																						No significant matrix carbonated, principle alteration sericite clay.
																						Sporadic clay filled fractures, no significant stockwork veins, no high sulphide veins.
																						Surface oxidation to 8.9 m.
																						44.7
44.7	46.5	CA/Fpd Se																				CHERTY ARGILLITES - SERICITIZED FELDSPAR PORPHYRITIC
				46,0	Sd:45																	Strongly kualinized and bleached feldspar porphyritic dykes (50% by volume) cut thinly compositionally laminated cherty argillites.
																						Cherts are cut by small, cm scale white quartz veinlets.
																						Low net sulphide density, pyrite < 0,5%.
																						46.5
46.5	62.7	Fpd	*as																			FELDSPAR PORPHYRITIC DYKE
																						Feldspar porphyritic dyke cut by increasing density of pyrite grey sulphide veinlets down-hole.
													2,5					Tr				Sub- intervals within this interval include:
																						46.5-52.7 Bleached feldspar porphyritic dyke with limited stockwork vein development.
																						52.7-61.9 Shattered,pale green sericitized and clay altered feldspar porphyritic dyke.
																						61.9-62.7 Slightly more feldspar crowded andesitic appearing intermediate (?) dyklet. Stockwork vein density decreases within this interval.
				62.7	Sd:28																	Sulphide distribution is as follows:
																						pyrite 2-3%, arsenopyrite 0.25%, sphalerite - trace.

																				All sulphide values generally increase towards the lower contact and decrease towards the upper contact.
																				62.7
62.5	65.9	Ap																		ARGILLACEOUS PHYLLITE
											0,5					Tr				Soft, dark grey, well compositionally laminated argillaceous phyllite.
																				Stockwork density markedly decreases, minor early stage non-
			63.4	S0=Si=45																sulphidic veins.
																				Pyrite as irregular disseminations and aggregated, trace arsenopyrite.
																				65.9
65.9	77,0	MZ/Fpd																		MINERALIZED ZONE - FELDSPAR PORPHYRITIC DYKE HOST
											3			0,25		1				Light cream-green, bleached and sericitized feldspar porphyritic dyke.
			Se																	Heavy quartz-sulphide stockworks are encountered between 65.9-70.6
																				Vein/veinlets are characterized by stibnite (2-5%); arsenopyrite
																				1-2%, sphalevite < 0.25%; tetrahydrite/tennatite trace. Realgar-
																				cinnabar is not identified.
																				Stockwork vein density diminishes from 70.6-77.0.
				70.6	J/	0,80														Note: 68.5-69.0 Heavy stibrite filled fractures envelope a high sulphide
																				quartz vein from 68.5-69.1.
																				No calcite as a gangue, veins are dominantly quartz-sulphide
				72.9	J/	55														Note at 72.9 superb cm scale stibnite-sphalevite veinlet.
																				77
77,0	83,0	AP	sh																	SHEAVED ARGILLACEOUS PHYLLITE
				77	Sd:	35										Tr				Moderately sheaved and locally vein injected argillaceous phyllite.
																				Net sulphide content diminishes, trace arsenopyrite, 0.75-1.0% pyrite.
																				No intact quartz veins, all veins are sheaved, moderate increase in
				82,0	Si=So-60															sulphides associated with these fractured veins.
																				Note minor cherty lamella
																				83
83,0	90.4	L																		LIMESTONE
											0,5									Medium grained, re-crystalized, grey, carbonaceous limestone.
					So=Si=42															Abundant carbonaceous opaques, and well developed pressure
																				solution cleavages.
																				Net sulphide content low, pyrite < 0.5%.
																				No significant skarn or sulphide development at the lower contact.
																				90.4
90.4	94.5	Fpd	Se																	SERITIZED FELDSPAR PORPHYRITIC DYKE
																				Apple green, felsic dyke cut by significant fine grained pyritic veinlets.

																			Vein matrix is dominantly calcite not silica.
																			Pyrite content 1.5%, no other sulphide phases identified.
																			94.5
94.5	108,0	CA-AP																	CHERTY ARGILLTE WITH MINOR ARGILLACEOUS PHYLLITE INTERBEDS
																			Moderate bleaching near upper contact, shattered quartz vein between 95,0 and 95.7.
																			Quartz vein contains < 0.5% pyrite.
				97.5	Si:35														Most of the interval, 85%, is dominated by a thinly compositionally laminated cherty argillite.
																			Net sulphide content is low, pyrite 0.25-0.75%, largely as small mm scale aggregates.
																			No development of skarn assemblages or high sulphide veins.
																			Beds/compositional layers relatively constant at about 30-35 degrees.
																			108
108,0	121.1	Fpd-Ca																	FELDSPAR POPHYRY DYKE - MINOR CHERTY ARGILLITE INCLUSIONS
																			Alteration levels within the dyke rock decrease.
																			Cream coloured feldspar clearly visible.
																			Minor calcite lines microfractures, containing slightly elevated pyrite levels, 1.0%, uniformly disseminated hematite 2%, rock is non-magnetic.
				111.5	Sd:25														Minor cherty argillite inclusion from 109.7-111.5.
																			Slight increase in pyritic microfractures, between 116.8 and 119.3, pyrite 1.5% in this interval.
																			121.1
121.1	127.7	CA																	CHERTY ARGILLITE
																			Slightly gritty cherty compositional bans, 80% grey to off white silica 20% fine grained clastic lamella.
																			Chert bands average 3-5 cm's
																			Compositional layers generally consistant to CA at about 30 degrees.
																			No major structural zones.
																			Pyrite 1-1.5% largely as compositional layer parallel aggregates.
																			121.7
127.7	135.4	Fpd																	FELDSPAR PORPHYRITIC DYKE
																			Lightly altered, weakly sericitized feldspar porphyritic dyke.
				135.4	Sd	35													No significant fractures or stockwork development.
																			Light disseminated pyrite, 0.5%
																			Weak matrix clay's +/- sericite.
																			Tight upper and lower contacts without significant gouge development.

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Assay Sample Log DDH 3-05

Date: June 1, 2003

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3-05-Box 1 DDH 3-05 Box 1

64

79

3-05-Box 11.2

112

3-05-Box 16.8

168

3-05-Box 23.2

232

3-05-Box 29.3

293

323

341











3-05 Box 21 126.7

126.7

127.8

131.1

3-05 Box 23 131.1

132.9

135.6

3-05 Box 24 135.6

135.9

137.0

140.1

3-05 Box 25 140.1

142.0

145.3

145.8

3-05 Box 26 145.8

148.0

148.7

9.28



3-05

@ 69.2

M



3-05
@ 69.2 M



Diamond Drill Log DDH 3-06

Dip: 65, Azi: 270, T.D. 121.9 m, North: 6160465 N 347935 E

Date: June 3, 2003

Logged By: J. Oliver

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[illegible]

[illegible]

Assay Sample Log DDH 3-06

Date June 2, 2003

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89.0

3-06 BOX 15 89.0

90.5

91.5

94.4

3-06 BOX 16 94.4

95.6

97.7

100.1

3-06 BOX 17 100.1

102.2

105.6

3-06 BOX 18 105.6

107.7

108.8

111.4

3-06 BX 11 65.7

65.7

66.7

67.7

72.0

3-06 BX 12 72.0

72.2

72.3

77.8

3-06 BOX 13 77.8

83.6





5-06-132X 20 116.5

118.0

121.0

121.9





3-06
76.2m



3-06

81.1 m



3-06
78.1 m



3-06

78.3

Diamond Drill Log DDH 3-07

Dip: 78.5, Azi: 270, T.D. 159.7 m North: 6160465 East 347935
Date: June 3 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
O	6.1																					CASE
																						6.1
6.1	16,0																					LIMESTONE
																						Blue grey massive, homogeneous limestone.
					38,0	So:	So:															No internal beds, weak stylolitic cleavages.
																						Net sulphide density, very low disseminated pyrite < 0.25%
																						16
16,1	38,1	CA-x																				CHERTY ARGILLITE, MINOR DEPOSITIONAL BRECCIAS
																						Well compositionally layered cherts with minor argillaceous
					22.9	So	So															compostional layers. Sporadic depostional breccias.
																						Generally competant core with only minor brittle failures.
					33.1	Su:18, Si 30																Sulphide levels are low, typically 1-1.5% pyrite as small disseminations
																						and layer parallel aggregates.
					34.8	So	38															Very minor, < 20cm, limestone interbed.
																						No high sulphide veins or skarn assemblages.
																						38,0
38,0	57.1	AP-sh																				SHEARED ARGILLACEOUS PHYLLITE
																						Significant brittle failure zone corresponds to the onset of argillaceous
				50,0	So 35																	phyllites.
																						Locally heavy core loss, less than 15% recovery between 41.8 and 47.9
																						Heavy fault development between 39,0 and 46.5
																						Typically moderate net sulphide development, pyrite and pyritic
																						aggregates 2%, no other sulphide phases identified.
				53.4	Sh: 28																	Major fault at 50.9-57.1, blocky locally ground core.
																						Net pyrite content within this fault significantly increases, pyrite now
																						averages 8-10%, as lamella and disseminations. Minor quartz vein
																						injection near upper contact at 50.9.
																						57.1
57.1	119.7	CA/AP																				CHERTY ARGILLITE INTERBEDDED ARGILLACEOUS PHYLLITES
																						Intact cherty argillite. Silky foliation surface, abundant aligned fine

				58.4	S1=So=40															grained micas.
																				Minor < 15% chert input, compositional layers average 2-4 cm in width.
																				No significant fault structures identified in this interval.
				63.1	S1: 20															Compositional layers and S1 fabric varies between
																				Persistent sub micaceous foliation surface, but greater than 70%
				69.2	S1: 0															of the rock is silica.
																				Minor washes or interbeds of a more argillaceous phyllite member
				81.4	S1=So=10															are also noted.
				92.0	S1	30														Net sulphide content, pyrite only is moderate, pyrite averages 1-2%
				102.8	S1	35														as disseminations and incomplete foliation parallel aggregates.
				108.8	S1	35														Exceptionally homogeneous, no significant rock changes, abundant
																				transposition features, drill bit sub-parallel to So??
				119.7	S0=S1=25															Fabric becomes more consistent at about 30 to CA as the lower
																				content at 119.7 is approached.
																				119.7
119.7	132.4	C-CA																		CHERTY-CHERTY ARGILLITE
																				Marked increase in matrix silica, cream to white compositional
																				layers, 80-90% (volume); separated by
				123.3	O20=Su=Si															Generally intact, limited brittle-ductile failures, although slightly blocky core.
				132.4	Su=S=45															No stockwork vein development, no high sulphide veins.
																				Net sulphide development decreased relative to preceding argillaceous
																				phyllites, disseminated pyrite 0.5%
																				132.4
132.4	138.4	Fpd	Kje																	FELDSPAR PORPHYRITIC DYKE STRONGLY CLAY-SERICITE ALTERED
																				A bleached cream-green, soft clay altered dyke forms the interval.
																				Both upper and lower contacts are tight, lack significant shearing
																				or sulphide development.
				138.4	Sd:38															Net sulphide development is high, 3% disseminated euhedral pyrite,
																				trace grey sulphide phases.
																				A small xenolithic argillite inclusion is noted between 137.4 -138.0
																				138.4
138.4	141.6	AP sL																		SHEARED ARGILLACEOUS PHYLLITE
																				Incompetent strongly sheared argillaceous clastic.
																				Very limited chert input.
				139.8	Si: 50															Gouge and shear development increases towards the upper dyke contact.
																				Net sulphide development, pyrite 2-3%
																				No significant high sulphide zones or veins.

Assay Sample Log DDH 3-07

Date: June 3, 2003

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3-07-8x5 6.1 884 8-07



3-07-8x5 11.3



3-07-8x5 16.9



3-07-8x5 22.6



28.2 34

3-07-8x5 28.2









145.9

3-07 BOX 14 145.4

148.8

148.4

151.1

3-07 BOX 15 151.1

151.5

156.8

3-07 BOX 16 156.3

157.8

157.1

159.7

Diamond Drill Log DDH 3-08

Dip 50, Azi: 270, T.D. 96.6 m. North 6160394 East 347952

Date: June 4 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	1.8	CASE																					CASE
																							1.8
1.8	11.6	L																					LIMESTONE
													<.5										Dark grey, re-crystalized limestone, sporadic discordant white calcite-silica veinlets, no sulphides,
																							Light weathering and oxidation along fracture surfaces to 8.2 m
																							No skarn assemblages, no sulphidid veins.
																							Limestone becomes increasingly organic rich toward the lower contact.
																							Low sulphide, pyrite < 0.5%.
																							11.6
11.6	31.2	CA-x																					CHERTY ARGILLITE-MINOR BRECCIAS
				15.8	Si=So=60																		A representative cherty argillite forms the interval approximately 30%
				17.5	Sd=55																		of the unit is comprised of and argillaceous material. The remaining
																							20 % is a slightly silty chert.
				30.1	Si=Sa=20																		Chert lamella are frequently boudinaged, and form cusplate ovals.
																							There are no signifnicant structural zone in this interval.
																							Net sulphide content averages 1.0% pyrite as minor disseminations and lamella.
																							Note minor felsic dykelet between 17.5 18.1
																							31.2
31.2	41.8	L											Tr										LIMESTONE
																							Homogeneous, medium grained, blue-grey, carbon rich limestone.
				31.2	So	20																	No internal beds.
				35.3	Si	30 - faint																	Both upper and lower contacts are tight, no significant fault structures.
																							Pyrite noted only in trace levels.
																							No skarn assemblages.
																							41.8
41.8	72.5	CA																					CHERTY ARGILLITE
				42.1	Si=20																		Generally homogeneous, well laminated cherty argillite.
																							Compositional variation only based on the volume of grey silica
				50,0	Si=So=35																		lamella (80=60%) versus argillite lamella.

Assay Sample Log DDH 3-08

Date June 4, 2003

Page 1

[illegible]















3-08
72.7 M



3-08

79.0 mm

Diamond Drill Log DDH 3-09

Dip 67.75, Azi: 270, T.D. 154.5 m North 6160394 East 347952 East
Date: June 6 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	1.5																						CASE
																							1.5
1.5	2.7	PI																					LIMY PHYLLITE
													0,5%										Narrow band of well laminated calcareous phyllite.
																							Rock contains unusual 1-3 cm ovals fo a yellow-cream quartz
					2.7	So 35																	porphyritic inclusion.
																							Net sulphide content is low, pyrite 0.5%.
																							2.7
2.7	11,0	L																					LIMESTONE
																							Grey to tan grey, homgeneous, massive, re-crystalized limestone.
					11,0	So 35 -> superb contact.																	Rock is cut by small mm scale, sulphide deficient calcite veinlets.
																							There are no skarn assemblages and no high sulphide veins.
																							Disseminated pyrite <0.25%, no other sulphide phases recognized.
																							11
11,0	17.2	CA-x																					CHERTY ARGILLITE MINOR BRECCIAS
																							Well compostionally laminated cherty argillite. Abundant oval chert
																							forms, +/- grey cm scale chert compositional layers.
													1,0										Weak shearing at upper contact, elesewhere core is intact.
					14.3	Si/So=50																	Non-calcereous, non-magenetic.
																							Pyrite 1.0% as compostional layer parallel aggregates and disseminations.
																							17.2
17.2	18.1	Fpd											0,5										FELDSPAR PORPHYRY DYKE
																							Fine grained, narrowm weakly altered feldspar porphyry dyke.
																							Non-calcereous, no stockwork vein development, 0.5% pyrite no
																							hematite.
																							18.1
18.1	68.7	CA/AP																					CHERTY ARGILLITE - INTERBEDDED ARGILLACEOUS PHYLLITE
																							The rock unit grades between being a well defined ribbon banded
					27.4	Si=So=55																	chert and a moderately siliceous argillaceous phyllite.
																							Contacts between the Ca and AP emebers are gradational, and

				41.6	Si=S0=25															not consistently mappable in drill core.
				59.8	So	35														Minor blocky zones occur throughout this interval, but significant structural zones are noted within this interval < 0.25%
				68.7	Sd	38														Pyrite ranges between 0.5 and 1.0% as foliation parallel lamella and disseminations.
																				No skarn assemblages, no high sulphide veins.
																				68.7
68.7	80.8	Fpd																		FELDSPAR PORPHYRITIC DYKE
																				Tan to grey-green feldspar porphyritic dyke.
				78.7	Si	32														Well developed chill margin for about 50 cm into the upper contact.
				80.8	Si	25														No stockwork vein development , no sulphides development at upper contact.
																				3-4% hematite, trace pyrite.
																				Broad chill margin from 78.0 - 80.8 lower contact, lower contact tight, not faulted.
																				Pyrite (1.0%) sericite and clay material assemblages increse towards the lower contact.
																				80.8
80.8	88.4	CA-lx																		CHERTY ARGILLITE MINOR INTRUSION BRECCIAS
																				Well developed monolithologic intrusion breccias are noted at the upper contact, 80.8 - 81.3
				84.4	Si: 0 parallels So															Representative ribbon chert across this interval, no significant fault development.
				88.4	Sd: 30															Non-calcareous, pyrite 1.0% associated with small quartz fractures.
																				No other sulphides, non-magnetic.
																				Slightly elevated sulphides, pyrite 2%, trace arsenopyrite, 86.9-87.5
																				88.4
88.4	95.9	Fpd	k-Se																	SERICITIZED - CLAY ALTERED FELDPAR PORPHYRITIC DYKE
												0,5								Light tan to grey-green feldspar porphyritic dyke.
																				Plagioclase converted to apple-green sericite, +/- clays, no significant matrix calcite.
					95.9	Sd:35						2								No stockwork veins, no high sulphide veins.
																				Both upper and lower contacts are tight.
																				Hematite and pyrite are present in approximately equal (0.5 + 0.5%) amounts.
																				95.9
95.9	106.9	CA-sh																		CHERTY ARGILLTE - WEAK SHEARING

																					Thinly compositionally laminated cherty argillite occurs in this interval.
																					No significant failures within the zone, but strongest shear
				101.2	Si=So=15																development occurs at the lower contact, 106.3 - 106.9.
																					Compositional layers generally consistant to CA at about 15 to CA.
																					Sulphide development across most of the interval is consistant at
																					1.5-2.0% as disseminations and foliation parallel aggregates.
																					Arsenopyrite 0.5% between 106.3 and 106.9.
																					106.9
106.9	116.2	Fpd	K-Se																		CLAY ALTERED FELDSPAR PORPHYRITIC DYKE
																					A soft clay altered feldspar porphyritic dyke forms the interval.
				106.9	Sd: 68																A strong chill margin is noted at the upper contact, which although
																					strongly sheared remains tight with the overlying cherty argillites.
																					Small, very fine sulphidic veins - veinlets. Veinlets contain calcite
				116.2	Sd: 20																as the principle gangue mineral.
																					Net sulphide content; disseminated pyrite 2-5%, grey sulphide or
																					hematite 0.25%, hematite increases towards the lower contact.
																					116.2
116.2	123.4	CA-L	sh																		SHEARED CHERTY ARGILLITE - MINOR LIMESTONE
																					Well compositionally laminated cherty argillites form the interval
																					two small limestone interbeds at 117.4-118.6 and 119.2-119.5
				118.7	Si	30															are also noted.
																					Net sulphide content is slightly elevated, pyrite 2-2.5 % as disseminations.
																					and foliation parallel aggregates.
																					Shearing typically parallel to Si-So
																					123.4
123.4	135.0	Fpd	K-Se																		SERICITIZED CLAY ALTERED FELDSPAR PORPHYRITIC DYKE
																					Light gre-green feldspar porphyritic dyke.
																					Good development of matrix sericite +/- clays. No matrix calcite.
																					Disseminated pyrite 1.5%, hematite also stable 0.5%, no other
																					sulphide or oxide phases identified.
																					Weak onset of calcite lined fractures, 133.5-135.0, and elevated
																					clay content at 134.9 - 135.0
																					No significant structural zones.
																					135
135.0	136.2	L/MZ																			LIMESTONE: SPHALEVITE STRINGERS AND DISSEMINATIONS
																					Massive medium grained limestone bed is cut by numerous
																2,%					stringers and disseminations.

																					Within this unit: sphalerite 2-2.5%, arsenopyrite 0.25%, pyrite 1.0%
																					Rock is cut by numerous pre-mineralization calcite veinlets.
																					Blocky, broken core, significant faults not recognized.
																					No contact or orientations of sulphides to CA possible.
																					136.2
136.2	140	MZ-MS																			MINERALIZED ZONE - MASSIVE SULPHIDE REPLACEMENT ZONE
																					Onset of heavy sulphide mineralization, 50-70% sulphides supported
																					by 50-30% fine grained crystalline quartz.
																					Sulphides include:
																					sphalevite: 10-12%
																					stibnite: 4-5%
																					arsenopyrite 25%
																					tetrahedrite - tennite 2%
																					jamesonite 1-2%
																					pyrite 10-12%
				140,0	So:	35															galena 1%
																					Core is intact, well preserved, no oxidation of sulphides.
																					Contact and orientation of sulphide body likely follows Si-So, clean
																					lower contact at about 35 degrees /CA
																					Sulphide zonation: sphalerite only at up hole contact, sphalerite plus
																					other sulphide phases, lower contact.
																					Strongest sulphide development at 137.8-140.0, > 70% sulphides.
																					140
140,0	145.3	CA																			CHERTY ARGILLITE
																					Abrupt cessation of sulphide development, corresponds to the
																					onset of a deformed, boudinaged, flattened, and rotated ribbon chert.
				143.7	Si=So=25									2							Rock contains a few minor gouge zones but typically is intact.
																					Rapid rotation in Si-So marked near the lower 1.0 m interval of
				145.3	So:	35															the unit.
																					Net sulphide content, disseminated pyrite 2%, minor base metal
																					vein between 143.0 and143.2.
																					145.3
145.3	153.2	AP																			ARGILLACEOUS PHYLLITE - DUCTILE "E" ZONE
																					Strong flattening and ductile strain fabrics.
																					Grey-tan compositional layers, talcose phyllitic foliation surface.
																					Cherty compositional layers significantly reduced, < 10% bu volume.
																					Consistent planear fabric, Si at 30 CA=So

[illegible]

Assay Sample Log DDH 3-09

Date June 6

Page 1

[illegible]

3-08-BOX 1 1.5 0.01 3-08

1.5

2.1

5.2

3-08-BOX 2 7.4

11.3

11.4

3-09-BOX 3 11.9

15.7

3-09-BOX 4 15.7

15.7

19.7

3-09-BOX 5 19.7

23.4

23.5

24.0





3-09-Box 16 72.9

73.3

75.3

3-09-Box 17 78.7

78.7

81.9

83.9

3-09-Box 18 83.9

84.4

87.5

89.6

3-09-Box 19 A 89.6

90.5

93.5

95.3

3-08-BOX 1 1.5 DDH 3-08-9

5
1.5

2.1

3-08-BOX 2 7.4



3-09-Box 11 46.1

47.4

50.9

3-09-Box 12 51.8

51.8

53.9

56.7

3-09-Box 13 56.7

57.0

60.0

61.7

3-09-Box 14 61.7

63.7

66.1

67.3

3-09-Box 15 67.3

69.2

72.2

72.9



3-09 BX 25 137.2

144.5

3-09 BX 27 144.5

142.1

142.2

3-09 BX 30 146.8

153.9

3-09 BX 31 153.9

154.5

154.5



Diamond Drill Log DDH 3-10

Dip: 45, Azi: 274 T.D. 86.9 m. North: 6160351 East: 347939
Date: June 7 Logged By: J.Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments		
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag				
O	3,0																					CASE		
																						3		
																						FELDSPAR PORPHYRY DYKE		
3,0	4,0	Fpd											2									Rock has weathered buff due to surface oxidation.		
																						All joint sets are oxidized.		
																						2-3% matrix hematite, no pyrite		
																						No stockwork vein, no high sulphide veins.		
																						4		
4	24.25	CA-x																				CHERTY ARGILLITE - BRECCIA'S		
				8.2	Si=So=35																	Strained, boudinaged chert fragments are more common than cm		
																						scale lamella.		
				20.7	Su	60 -> 50 cm limestone interbed at 20.4-20.9																		Core generally intact, no significant structural zones.
				20.8	Si	40																Minor calcite extensional veinlets		
				24.25	So:	50																Pyrite 0.5-0.75%, disseminations and small foliation parallel aggrega		
																						No skarn or high sulphide vein assemblages.		
																						24.25		
24.25	26.2	L																				LIMESTONE		
																						Medium to light grey carbonaceous limestone.		
																						Very low sulphide content, pyrite < 0.5%		
																						Homogeneous, to amorphous, dolomite? Inclusions		
																						Low contact 12 to CA and slightly sheared.		
																						26.2		
26.2	32.5	CA	sh																			WEAKLY SHEARED CHERTY ARGILLITE		
																						Partial coarse gouge and rock flour zones repeatedly developed		
				28,0	Sh:	12																within a silty cherty argillite.		
																						Rock fabric rotated sub-parallel to CA:		
				29.4	Si	5																Matrix is no calcareous and contains 1-2% pyrite as uniform dissemin		
																						No stockwork or high sulphide veins.		
																						32.5		
32.5	35.9	L	Mn																			MANGANIFEROUS TO DOLOMITIC LIMESTONE		

[illegible]

Assay Sample Log DDH 3-10

Date June 7, 2003

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[illegible]

















454 BY 1 DDF 3-11

Diamond Drill Log DDH 3-11

North: 6160351 East: 347939 Elevation:
Dip: -67.5 Azimuth: 274 Total Distance: 105.5 m
Date: June 8, 2003 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	4.3																					CASE
																						4.3
4.3	12.8	Fpd																				FELDSPAR PORPHYRY DYKE
																						Homogeneous, weakly altered feldspar porphyritic dyke.
			12.8	Sd:	20																	Light to moderate matrix clays +/- sericite.
																						Sporadic iron-oxide joints-fractures.
																						1-2% hematite, virtually no pyrite, non-magnetic.
																						12.8
12.8	21,0	CA-x																				CHERTY ARGILLITE - EARLY BRECCIAS
																						Laminated to strongly boudinaged cherty argillite; cusplate oval
																						chert forms common.
			19.8	Si=So=35																		Approximately 40% argillite as an irregular matrix infill.
																						Non-calcareous, no development of stringer mineralized zones, no hi
																						Low sulphide content, pyrite 1%, as small foliation parallel aggregate
																						21
21,0	45.8	L																				LIMESTONE
																						Blue grey, homogeneous medium grey limestone cut by abundant
			27.5	So	40																	chocolate brown, manganese (?) fractures.
																						Oxide zones are associated with vuggy open space textures.
			45.8	So	45																	Cavities are lined by euhedral calcite.
																						Locally very weak fabric development, Si formed by aligned calcite rh
																						Very small tuffaceous or limy tuffaceous interbeds, eg 27.5-27.7,
																						carry slightly higher, 1%, disseminated pyrite contents.
																						45.8
45.8	49.1	Pl/k	oxid.																			OXIDIZED LIMY PHYLLITES - " CALCITE KNOT LIMESTONE
																						AND INTERBEDDED CHERTY ARGILLITE"
																						Muddy brown green limy phyllites have a boxwork texture, all
																						sulphide phases may be leached.
				48.5	Si:	10																Relevant sub-intervals are:
				49.1	So:	70																45.8-46.4: Limy phyllite, irregular oxidized quartz calcite knots.
																						Dolomitic grains common.
																						46.4-46.8: Blocky broken cherty argillite.
																						46.8-47.5: Limestone, dolomitic crystals common.
																						47.5-49.1: Cherty argillite. Si.So fabric parallel to CA; but
																						L-CA contact forms at: 70 degrees to CA.

[illegible]

[illegible]

Assay Sample Log DDH 3-11

Date June 8, 2003

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[illegible]



3-11-Box 11 69.6

69.6

69.6

69.6

3-11-Box 12 66.9

66.9

72.3

3-11-Box 13 72.3

72.3

78.4

3-11-Box 14 78.4

78.4

78.4



3-11-BOX 16 89.6

3-11-BOX 16 89.6

99.5

99.3

99.2

3-11-BOX 17 99.9

99.8

99.4

3-11-BOX 18 99.4

102.4

104.8

3-11-BOX 19 104.8

105.5

105.5



3-11

80.2 m



3-11
80.2 m

Diamond Drill Log DDH 3-12

North: 6160275 East: 347970 Elevation:
Dip: -45 Azimuth: 274 Total Distance:111.9 m
Date: June 9, 2003 Logged By: J. Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3.0																					CASE
																						3
3.0	17.6	L																				LIMESTONE
																						Blue grey felted texture limestone.
													Tr									Minor manganiferous choclate brown weathering patches, eg at
																						9.4-10.9 m, no visible sulphides.
																						Rock is homogeneous and non-bedded.
																						Net sulphide content very low, disseminated pyrite <0.25%
																						17.6
17.6	29.2	CA-x																				CHERTY ARGILLITE - MINOR BRECCIAS
					22.5	Si:	35															Well compositionally laminated cherty argillite, abundant cusplate
																						oval chert fragments.
					29.2	So:	35															Both upper and lower contacts are tight no shear or gouge development.
																						Compositionally, 70% chert, 30% argillite compositional layers.
																						Pyrite 1.0% as small foliation.
																						29.2
29.2	33.5	L																				LIMESTONE
																						Light to dark grey medium grained limestone.
													Tr									The interval contains a few small 10-20 cm limy phyllite or
																						tuffaceous inclusions.
					33.5	So:	25															Net sulphide content remains low.
																						Weak stylolite - pressure solution layers.
																						Trace pyrite.
																						33.5
33.5	44.6	CA																				CHERTY ARGILLITE
																						Distinctive black on white cm scale compositional layers.
																						Compositional layers frequently crumpled - broken sporadic

[illegible]

[illegible]

Assay Sample Log DDH 3-12

Date: June 9

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[illegible]





63.2

5-12-Box 10

Box 7

68.3

5-12-Box 11 68.5

69.2

72.3

74.0

3-11-Box 12 74.0

75.3

76.3

3-11-Box 13 74.3

81.4

84.4

84.4





Diamond Drill Log DDH 3-13

North: 6160275 East: 34790 Elevation:
Dip: - 67.75 Azimuth: 274 Total Distance: 114.6 m
Date: June 10, 2003 Logged By: J.Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3.7	Case																				CASE
																						3.7
3.7	21.5	L																				LIMESTONE
																						Homogeneous blue-grey re-crystalized limestone.
													Tr									Core has only minor fractures, exceptionally clean, no stockwork or veinlets.
				21,0	So 70																	Minor washes of dolomite-iron carbonate are noted across this interval, sulphides trace pyrite.
																						A single chocolate weathering manganiferous dolomite band is located at 7.4-8.1 m.
				21.5	So: 45																	Note: very small, 10 cm phyllite interbed at 21.0 m has a superb So @ 70 to CA.
																						Clean lower contact, no shearing at: 45 CA.
																						21.5
21.5	28.7	CA																				CHERTY ARGILLITE
																						Dark grey to black irregularly bedded cherty argillite.
													1,07									Disseminated pyrite 0.75-1.0%, very fine grained.
																						Minor extensional veins orthogonal to bedding, trace calcite.
																						Both upper and lower contacts are tight, no significant shearing.
																						28.7
28.7	36.9	AP																				ARGILLACEOUS PHYLLITE
													0,75									Laminated black-cream to pale green-grey argillaceous phyllite.
				29,0	Si=So=20																	Locally knotted, irregular foliation surfaces.
																						A chloritic phyllite interbed consisting of flattened sericitic-chloritic porphyroblasts within a weakly calcareous matrix is noted between
				33.2	So:	50																33.2-35.7. Pyrite increases to 1.0%
																						Base of the interval is a knotted black to cream moderately

																				siliceous argillaceous phyllite.
																				No stockwork or high sulphide veins.
																				36.9
36.9	47.8	L																		LIMESTONE
																				Blue grey homogeneous, massive, no internal beds.
				45.3	"So"	35														Iron carbonate content noted in the first interval is absent.
																				Rare hints of bioclastic debris.
																				Low net sulphide content; pyrite < 0.25%.
																				No significant structural zones, no evidence of distal alteration assemblages.
																				47.8
47.8	57,0	CA-AP																		CHERTY ARGILLITE / MINOR ARGILLACEOUS PHYLLITE INTERBEDS
																				Dark black to laminated cream cherty argillite, crumpled phygmatic folds common.
				49,0	Si=So=20															One internat argillaceous phyllite interbed is noted at 53.6-55.1.
																				Compositional layers typically oblique to CA: @ about 20 degrees.
																				No stockwork or high sulphide veins, net sulphide content low:
				57,0	So	40														pyrite about 0.5-0.75% as fine grained foliation parallel aggregates.
																				Tight relatively compact core. No significant structural zones.
																				57
57,0	58.6	L																		LIMESTONE
																				Minor limestone interbed.
																				No vein development, un-sheared.
																				Faint compositional layers towards the lower contact.
																				No significant sulphides.
																				58.6
58.6	88.9	CA-Ap																		CHERTY ARGILLITE MINOR ARGILLACEOUS PHYLLITE
																				Distinctive cm scale cherty compositional layers dominate this interval.
																				(85%). Argillaceous phyllite interbeds form <15% of the section,
																				and are often in gradational contact with cherty argillite members.
																				A single narrow 20 cm limestone bed is located near the upper
																				contact with the overlying limestone bed.
																				Elsewhere the unit is non calcareous.
				70,0	Si/So:	20														Sporadic zones of slightly broken blocky core are identified at
																				62.8-63.8, 83.5-84.6.
				81.1	Si:	0														Major displacements across these zones are unlikely.
				88.6	Si/So:	20														Si/So generally at consistently low angles to CA.

[illegible]

Assay Sample Log DDH 3-13

Date June 10

Page 1

[illegible]





3-13-Box 15 86.7

86.1

86.0

3-13-Box 16 86.0

86.0

86.0

91.7

3-13-Box 17 91.7

91.7

96.3

97.3

3-13-Box 18 97.3

99.4

100.5

102.5







3-13-Box 15 86.7

86.1

86.0

3-13-Box 16 86.0

91.7

3-13-Box 17 91.7

93.3

96.3

97.3

3-13-Box 18 97.3

99.9

102.5

Diamond Drill Log DDH 3-14

North: 6160345 East: 348000 Elevation:
Dip: -44 Azimuth: 271 Total Distance:194.5
Date: June 11, 2003 Logged By: J.Oliver Page: 2

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3,0																					CASE
																						3
3,0	23.3	L																				LIMESTONE
													Tr									Blue-grey, moderately carbonaceous limestone.
				8.9	So	22																Weak oxidation levels at the upper contact, buff to tan limestone
																						from 3.0-9.4, bounded below by a narrow < 15 cm chert horizon.
																						From 9.4-23.3, homogeneous blue grey medium grained limestone.
																						Very low net sulphide content, twice pyrite.
																						No significant structural zones.
																						23.3
23.3	36.6	CA																				CHERTY ARGILLITE
													0,75									Exceptionally well compositionally laminated ribbon chert-cherty argillite.
				23.2	So	45																Locally cusplate or boudinaged chert forms, chert component
				26.2	Si	30																80-89%, argillaceous lamella <15%
																						No development of high sulphide veins, stockworks or significant
				33	Si	30																alterations.
																						Net sulphide content: pyrite about 0.75%.
				36.6	So:	45																Note minor feldspar porphyritic dyke contact at 36.0-36.5.
																						Tight, non-sheared contacts.
																						36.6
36.6	46.6	L																				LIMESTONE
													Tr									Homogeneous blue-grey limestone with minor dolomitic patches.
				46.6	So	15																No significant rock alteration, no vein or sulphide development.
																						Pyrite present in trace levels only.
																						Rare, internal black clastic inclusions.
																						Tight, competant, no faults.
																						46.6
46.6	49.9	CA																				CHERTY ARGILLITE
													0,75									Well laminated chert (80-85%) and lesser argillite compositional
					Si	30																layers.
																						Both upper and lower contacts tight, non-faulted.
				49.9	So	50																Disseminated foliation parallel euhedral pyrite 0,75%, no other

				114	So=Si=35														Sporadic quartz vein injection. No high sulphide vein development.
																			Net sulphide content; 1.0-1.5% largely as foliation parallel aggregates.
																			119.3
119.3	131.5	AP																	ARGILLACEOUS PHYLLITE
																			Chert component in this interval significantly reduced.
				120,0	Si=30														Chert lamella < 20% by volume.
																			Increased density of foliation parallel slip planes, partial gouge
			131,0	Si=So=35															development, 121.0-125.0
																			So/Si surfaces coplainar and consistently orientated at 30-35%
																			Unit is non-calcareous, net sulphide content is generally low 1.0%
																			Foliation parallel pyrite aggregates.
																			131.5
131.5	134.4	MZ																	MINERALIZED ZONE
																			Strongly fractured sheaved, quartz injected mineralized zone.
																			Host lithology appears to be a sheaved argillaceous phyllite.
																			Relevant sub-intervals include:
					J/	55													131.5-132.7: Abundant clay gouge finely disseminated
																			arsenopyrite, 1-3%, pyrite 3%
																			132.7-134.4: Well developed crack and seal vein.
																			Pre-dominantly argillaceous phyllite host.
																			Trace to 5% stibnite, sphalerite,
																			Note: Chert interbed hosts veins from 133.9-134.4.
																			134.4
134.4	141.9	Fpd	Se																MODERATELY SERICITIZED CROWDED FELDSPAR
																			PORPHYRITIC DYKE
																			Variations in feldspar content, from crowded crystal supported to
																			matrix supported are gradational no different intrusive phases
																			appear likely.
																			Both hematite (1,0-1,5%) and pyrite (1,0-1,5%) appear in this interval.
																			No stockwork or high sulphide veins are developed.
																			Note increasing matrix clays and bleaching, including black clastic
																			inclusions from 140.1-141.9, trace arsenopyrite within this zone.
																			141.9
141.9	149.5	CA	sh																SHEARED CHERTY ARGILLITES
																			Dark grey black, moderately laminated cherty argillites form the interval.
				143,0	So:	55													Argillite matrix averages, 30-40%, chert lamellas, 60-70%
																			Broken quartz vein fragments, and heavy clay gouge from 141.9-142.4
				147,0	42														Trace arsenopyrite.
																			Net sulphide levels low and dominated by pyrite, 1-1.5%
																			Minor feldspar porphyritic dyke 145.8-146.4
																			146.4-147.1 Heavy gouge development, complete failure.
																			149.1
149.5	158.5	CA-AP																	CHERTY ARGILLITE MINOR ARGILLACEOUS PHYLLITE INTERBEDS

[illegible]

Assay Sample Log DDH 3-14

Date June 13

Page 1

[illegible]



3-14-Box 1 3.0 DDH 3-14

6.9

4.9

7.9

3-14-Box 2 8.8

8.8

11.0

3-14-Box 3 13.8

14.2

13.8

17.1

19.3

3-14-Box 4 19.3



















3-14

134.0

Diamond Drill Log DDH 3-15

North: 6160390 East: 348004 Elevation:
Dip: - 56 Azimuth: 272 Total Distance:227.7 m
Date: June 15, 2003 Logged By: J.Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3,0																					CASE
																						3
3,0	131.9	L																				LIMESTONE: MINOR CLASTIC INTERBEDS
																						The major unit within this interval is a blue-grey re-crystalised homogeneous limestone.
																						The unit contains either black organic rich, fetid (?) interbeds or matrix supported depositional breccias.
																						Relevant sub-intervals are:
																						3.0-14.4: Blue-grey, medium grained re-crystalized limestone.
				14.6	So	52																Sporadic buff dolomite.
																						Pyrite: 0%
																						Rare preserved crinoids.
																						14.4-16.4: Fragment rich, yellow-green dolomitized fragmental
																						Weak evidence for up-hole youngins, based on fragment gradation. ("calcite knot limestone")
																						Pyrite remains low.
																						16.4-21.3: Homogeneous, re-crystalized weakly dolomitic limestone, no internal planar fabric, color darkens towards the
																						graphitic limestone contact.
				23.9	So	33																21.3-24.9: Graphitic, moderately calcareous mudstone with
																						minor limestone interbeds. Jet black, sooty soft graphitic
																						matrix, locally dissolution textures. No sulphides identified in
				28.1	So=Si=32					Note: 26.1=26.5: banded crack and seal quartz vein.												this interval.
										J/ 60 to CA. Trace arsenopyrite.												24.9-54.4: Blue-grey moderately carbonaceous limestone.
																						Well defined compositional layers near the upper contact.
																						Net sulphide levels remain non-existent, no sulphides I.D.
				57.5	Si=30																	54.4-57.6: Slightly vuggy textures, increase in buff brown
																						matrix dolomite. No significant development of sulphide
																						phases. Si surface defined by elevated pressure solution fabric
																						57.6-98.5: Massive extremely homogeneous, blue-grey l
				70.7	So=Si=25																	limestone. No significant fracture development. Locally

																					Disseminated pyrite, 2-3%, no visible hematite, no grey sulphide phases.
				180.9	Sd	30															Increasing clay contents and partial failure zones, 178,0-180.9.
																					180.9
180.9	185.8	A-CA/Sh-MZ																			FAULTED CHERTY ARGILLITE - WEAK MINERALIZED ZONE
																					Extensive sheaving and gouge development occurs across this interval.
																					From 182.8-185.8 near complete loss of competency within a brittle-ductile strain zone, localized within an argillite member.
				185.6	Si	30															Note: Probably weak mineralized, partially healed breccia zone from 180.9-181.6. Trace to 0.25% arsenopyrite 3-4% py. Rotated quartz fragments common.
																					Shear foliation sub-parallel to Si, 30 to CA.
																					185.8
185.8	192.3	AP	sh																		ARGILLACEOUS PHYLLITES - SHEARED
																					Well compositionally laminated argillaceous phyllites. The interval contains < 15% chert interbeds.
																					Numerous failure and gouge development parallel to Si, strongest at: 190.0-190.8 with minor quartz vein injection.
				188.1	Si=So=42																Compositional layers generally consistent at 042 degrees.
																					Net sulphide content: pyrite 1% as foliation parallel aggregates.
																					192.3
192.3	195.1	Fpd	Se																		FELDSPAR PORPHYRITIC DYKE
																					Weakly sericitized, medium green feldspar porphyritic dyke.
																					Slightly more polished surface than the preceeding dyke, decrease in clay alteration.
																					Disseminated pyrite < 0.5%, trace sphalevite, no grey sulphides.
																					Both contacts tight, no significant fault development.
																					195.1
195.1	227.7	CA-Ap																			CHERT ARGILLITES - LESSER ARGILLACEOUS PHYLLITES
																					Gradation contacts between both chert and argillite members occur throughout the interval.
				199.6	So=Si=30																Ribbon banded well compositionally laminated chert are predominant.
				203.9	So=Si=25																Relevant sub-intervals are:
																					195.1-199.8: Cherty argillite, intact core, down-hole rubble from bit change noted at 199.9 m
				206.2	Si: 30																199.8-203.9: Argillaceous phyllite, soft green-grey compositional bands. Strong Si-So transposition.
				209.1	Sd:	30															203.9-209.1: Well compositionally laminated ribbon chert.
																					Abundant moderately planear cm scale beds.
																					209.1-209.5: Minor feldspar porphyry dyke. Trace arsenopyrite.
				212.8	So	35															209.5-212.8: Cherty argillite. No significant alteration or vein development. Very consistent 30=35 compositional layers.

Assay Sample Log DDH 3-15

Date June 14

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[illegible]









3-15-190X 37 202.8







3-15-Box 21 113.9

1145

1146

3-15-Box 22 118.6

1187

1188

1189

3-15-Box 23 124.9

1241

1242

1243

3-15-Box 24 130.3

1304

1305















Diamond Drill Log DDH 3-16

North: 6161045 East: 347912 Elevation:
Dip: -45 Azimuth: 270 Total Distance: 169.5 m
Date: June 16, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	6.1																					CASE	
																						6.1	
6.1	28.2	L																				LIMESTONE	
																						Massive, homogeneous, blue-grey limestone.	
																						Good reaction to Alizorin-red, dolomitic re-crystalization.	
																						Persistently blocky core, but no significant oxidation on joint surfaces.	
																						Abundant mm to hairline non-sulphidic calcite fractures	
																						Net sulphide content extremely low.	
																						28.2	
28.2	28.9	Md																				MAFIC DYKE - MONZODIORITE	
				28.2	35	Sd														2%		Exceptionally crowded feldspar lathes.	
																						Apharitic grey (potassic matrix), weakly to moderately magnetic.	
																						Oxidized contacts but no vein development.	
																						28.9	
28.9	89.6	L																				LIMESTONE	
																						Homogeneous medium grey- limestone.	
				43	Si	35																Locally weak pressure solution fabric defines Si.	
																						Sporadic irregularly defined darker grey mottled surface.	
				65,0	Si:	28																Blocky broken core throughout, very light development of brown oxides along fracture surfaces.	
				82.5	Si	31																Net sulphide development extremely low, pyrite present in trace amounts and always associated with discordant calcite veins.	
																						89.6	
89.6	91.2	Fpd	Se																			FELDSPAR PORPHYRITIC DYKE, MODERATELY SERICITIZED	
																						Light yellow-cream fine grained sericitized matrix.	
				89.6	Sd:								2									Abundant disseminated pyrite, 2% trace light grey sulphide-oxide, locally forming radiating lathes.	
																						No stockwork veins, no high sulphide veins both contacts tight.	
																						91.2	
91.2	97.5	L																				LIMESTONE	
																						Blue-grey medium grained carbonaceous limestone.	
				97.5	So:	40																Unit is cut by many white calcite veinlets, veinlets have no sulphide association.	

																					Net sulphide content remains extremely low, < trace pyrite.
																					No skarn assemblages at dyke contact.
																					97.5
97.5	106.6	PI-S																			LIMY PHYLLITES - SULPHIDIC PHYLLITES - "BEDDED"
																					Rock unit is characterized by exceptionally well defined
																					compositional layers, a strong calcareous matrix and by strongly
																					aligned sericite +/- biotite (?) compositional layers.
																					The unit is well stratified and two significant compositional intervals
																					are defined.
																					97.5-102.4: Sulphidic Limy Phyllite Foliation parallel pyrite
																					averages 5-7% rock volume. Compostional bands or sericite
																					calcite are vagged and locally display mm scale isoclinal offsets.
																					102.4-106.6: Limy Phyllite, Grey-green to khaki, strongly
																					compositionally layered clast rich- clast deficient compositional
																					layers. Sulphide levels dramatically decrease, pyrite:
																					Note: No incipietant skarn assemblages, no evidence of hydrothermal
																					biotite.
																					106.6
106.6	121.1	L																			LIMESTONE
																					Massive, re-crystalized, blue grey dolomitic limestone.
																					Core develops an increasing density of discordant fracture surfaces
																					towards the lower structural contact.
																					Sporadic arsenopyrite - pyrite noted on black lined fracture surfaces.
																					Minor structural zone at: 114.3-115,0: Moderate gouge development.
																					About 0.25% pyrite.
																					Overall sulphide levels are low, trace pyrite.
																					Abundant stockwork calcite veins do not carry sulphides
																					121.1
121.1	125	Lc																			POORLY STRATIFIED CLASTIC RICH LIMESTONE ("CALCITE KNOT")
																					Abundant bio-clastic, crinoids, and coarser clastic debris.
																					Cm scale blue-grey limestone fragements common.
																					Muddy green, non-stratified matrix
																					May include < 20% limestone interbeds.
																					Coarse grained black-sphalerite arsenopyrite vein at 121.1-121.3.
																					125
125,0	126.3	Fault																			MAJOR FAULT - SULPHIDIC
																					Strong brittle ductile zone localized to a fine grained calcareous mudstone.
																					Significantly elevated pyrite +/- arsenopyrite.
																					Strongest sulphide pyrite (4%) arsenopyrite (2%) in a clay sulphide
																					gouge zone.
																					126.35
126.3	129.8	L																			LIMESTONE
																					Massive re-crystalized blue-grey limestone.

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[illegible]

Assay Sample Log DDH 3-16

Date June 16

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[illegible]



5-16 Bt 27 135.2

1359

1390

1395

5-16 Bt 28 139.5

1420

1435

5-16 Bt 29 143.7

1480

1481

5-16 Bt 30 149.7

1512

1527





60.2

60.2

65.1

65.1

70.2

70.2

75.7

75.7

81.2

81.2

86.8

86.8













Diamond Drill Log DDH 3-17

North: 6161140 East: 347840 Elevation:
Dip: -45 Azimuth: 270 Total Distance: 154.3 m
Date: June 17, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	3,0	Case																					CASING
																							3
3,0	21.5	L																					LIMESTONE
																							Mottled brown to grey, dolomitic limestone.
																							Sporadic vugs and cavities near the onset of coring.
																							Note: From 3.0-7.9, manganiferous stain, frequent fracture surfaces
																							Locally "cobbles" of feldspar porphyritic dyke frgements.
																							Net sulphide content is low, from 7.9-21.5 no significant sulphides.
																							No significant structural zones.
																							21.5
21.5	22.7	Fpd	Se																				SERICITIZED FELDSPAR PORPHYRITIC DYKE
																							A grey-green sericitized Feldspar porphyritic dyke is noted within this interval.
				22.7	Sd:	67							2										The dyke is cut by numerous mm scale quartz-sericite fractures.
																							which have strong pyritic envelopes.
																							Net sulphide content averages 2% pyrite, other sulphide phases are not identified.
																							22.7
22.7	100.5	L																					LIMESTONE
																							Homogeneous blue-grey re-crystalized dolomitic limestone.
																							Weakly oxidized fractures below the dyke contact from 22.7-26.2m
				38.7	Si:	35																	Lithology is cut by abundant discordant white calcitic veins.
																							No sulphides are associated with these veins.
				55,0	So:	20																	Sulphides are present in extremely low levels, and trace pyrite.
																							A weak penetration fabric is identified in drill core, usually formed by aligned opaques and pressure solution cleavages.
				75.2	So:	75																	
				75.3	Si:	35																	Note: 58.7-58.8: Minor angular breccia, no damage envelope.
																							Note: 75.2-75,5: Minor limy phyllite interbed. Pyrite increases to 11. No structural zone.
				94.8	Si:	35																	Very sporadic chocolate brown dolomite-mangeuse, no sulphide association.
				100.5	Sd:	30																	Lower dyke contact is tight, not faulted.
																							100.5

[illegible]

Assay Sample Log DDH 3-17

Date June 17

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[illegible]

3-17-Box 1 92.5

3-17-Box 2 10.5

3-17-Box 3 16.3

3-17-Box 4 21.9

3-17-Box 5 27.9

10.5

16.3

21.9

27.9

7.5

11.0

15.0

17.1

20.1

25.0

28.3

32.3

33.2

3-17-Box 20 112.5

114.6

117.5

118.0

3-17-Box 21 118.0

120.7

123.4

3-17-Box 22 123.4

125.1

126.8

129.2

3-17-Box 23 129.2

132.9

134.7

3-17-Box 24 134.7

135.6

137.0

140.4





3-17-Box 6 33.2

324

324

3-17-Box 7 38.7

38.7

415

3-17-Box 8 44.3

44.3

415

3-17-Box 9 50.1

50.1

50.6

536

3-17-Box 10 58.8

58.8

56.7

59.1

61.6



Diamond Drill Log DDH 3-18

North: 6160945 East: 347930 Elevation: 178.6 m
Dip: -45 Azimuth: 270 Total Distance: 178.6 m
Date: June 18, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration								Mineralization								Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3.0																				CASE	
																					3.0	
3.0	21.7	L																			LIMESTONE	
																					Medium grained re-crystalized limestone.	
																					Sporadic manganese lined fracture surfaces.	
					8.9	So:	35														No significant internal fabric.	
																					Single phyllitic interbed between 8.9-9.2 m.	
																					No sulphides noted.	
																					21.7	
21.7	57.3	Md																			GABBROIE DYKE	
																					An early, weakly foliated mafic dyke has been coved.	
																					The intrusive nature of this early dyke is strongly suggested by the	
																					development of carbonitized chill margins on both the upper and	
																					lower contacts.	
					21.8	Sd:	45														The unit is cut by abundant cm scale calcite veins and irregular	
					40.1	Si:	22														calcite aggregates.	
					53.5	Si:	25														The unit is weakly magnetic.	
					57.0	Sd:	25														Rock matrix is weakly carbonitized.	
																					Mafic minerals appear to be hornblends not pyroxene, the dyke	
					32.0	Sd:	32														may lie closer to a dioritic field.	
																					Sulphides, pyrite, is noted at trace levels in association with small,	
																					cm scale calcite-chlorite veinlets.	
																					Upper contact, defined by oxide alignment at 45 degrees.	
																					Lower contact approximate.	
																					Colour change to yellow tan near contact zone at 54.1-57.3,	
																					pyrite increases to 1.5% within this zone.	
																					A mafic flow or tuffaceous origin is strongly suggested by	
																					isoclinally folded foliation-chlorite compositional layers at 32.0,	
																					aligned vesicles at 33.5 and occaisional sericite phyllite inclusions	
																					57.3	
57.3	58.4	L																			LIMESTONE	
																					Blue grey re-crystalized limestone, no contact or thermal effects	
					58.4	So	75														adjacent to mafic contact.	
																					Sporadic white calcite veins, without a sulphide association.	
																					Trace pyrite, no other sulphides	
																					58.4	
58.4	68.6	PI																			CALCAREOUS PHYLLITE - ABUNDANT CLASTIC FRAGMENTS	
																					Texturally this unit is defined by its dull mustard yellow color, by	
																					strong planar compositional layering composed of sericite and clays	
					59.75	So:	35														A minor yellow-cream felsic dyke is noted at 65.8-66.9.	
																					Note: Phyllite matrix is clay-sericite not calcite rich; HCl response	
					66.9	Sd:	55														only to fragments and discordent veins etc.	
																					Net sulphide content is low: trace amount only.	
																					68.6	
68.6	80.8	Le																			LIMESTONE - DEBRIS STONE	
																					Generally poorly stratified polyolithic debris stone.	

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Assay Sample Log DDH 3-18

Date June 18

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[illegible]



3-18-Box 1-500H 3-18

3-18-Box 2 8.8

11.0

3-18-Box 3 14.4

3-18-Box 4 20.1

23.2

3-18-Box 5 25.5

26.2

31.0



121.6

5-16 BX 22 121.0

126.8

5-18 BX 23 126.8

132.5

5-19 BX 24 132.5

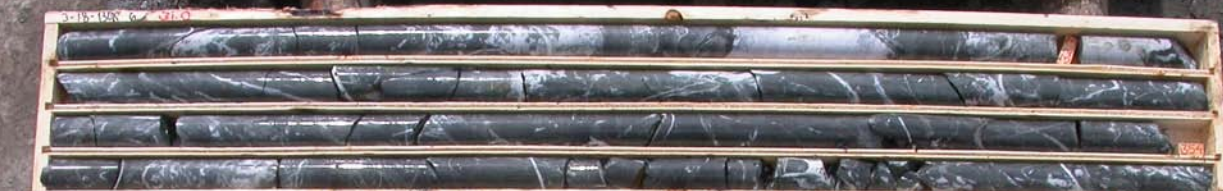
5-18 BX 25 138.0

143.6











3-15 Bx 29 160.8

1634

3-15 Bx 30 166.1

1664

1695



Diamond Drill Log DDH 3-19

North: 6160795 East: 347930 Elevation:
Dip: - 45 Azimuth: 270 Total Distance: 157.3 m
Date: June 19, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag			
0	3,0	CASE																					CASE
																							3
3,0	10,0	Fpd-L																					FELDSPAR PORPHYRITIC DYKE - MINOR LIMESTONE HORST
													0,5			Tr							Blurred moderately sericitized matrix, but in general, a hard
				6.4	Sd:	30																	competant dyke.
																							Disseminated pyrite averages 0.5%, minor hairline pyritic veinlets,
																							trace sphalerite
																							A limestone bed is trapped within the dyke between 6.4-7.3 m's
																							10
10,0	16.5	L																					LIMESTONE
																							Massive, homogeneous, medium grained limestone.
																							Locally mottled irregular light brown dolomitic or oxide washes.
																							Light development or discordant white non-sulphidic calcite veins.
				16.2	Si=So=35																		No sulphides are identified.
																							16.5
16.5	21.2	Mt																					MAFIC TUFF
																							Poorly compositionally laminated mafic tuff. Matrix is generally
				20.5	Si:35																		non-calcareous.
																							Sporadic wispy calcite inclusions increasing down-hole.
																							Tuffaceous unit is non-magnetic, and carries very low < 0.5%
																							disseminated pyrite.
																							21.2
21.2	30.4	Lc																					LIMESTONE - CLASTIC RICH - DEBRIS STONE
													0,25										Hallmark poly lithic cm scale fragments are again noted throughout
				26.2	Si:45																		this interval.
																							Abundant cusplate vugged edges of alternating mafic-calcic inclusions
				30.4	So:	34 -> excellent																	No significant development of planar beds.
																							Locally elevated early phase euhedral pyrite; no other sulphide
																							phases recognized, but overall very low < 0.25% pyrite.
																							No significant structural zones, generally intact core.
																							30.4

[illegible]

																				mineralized zone.
																				125.3-126.2: Heavy sulphide replacement, high grade vein
																				Black clay +/- sulphides including: pyraiorite 3-5%,
																				sphalerite 5-6%, arsenopyrite 5%, stibnite 3%, tennantite-tetrah
																				1%. This is a higher grade mineralized zone. > 30 oz Ag?
				126.5	So=Si=35															Intact core but no protolith recognizable.
																				126.2-126.8: Cherty argillite host, combined sulphide levels
																				significantly reduced Pyrite 4%, trace sphalerite-stibnite.
																				126.8-128,0: Intrusion hosted sulphidized tectonic breccia
																				infill. 30% cherty argillite clasts. Heavy matrix stibnite (5-6%)
																				tetrah-tennet 4%, proustrite (?), sphalerite (2%). This is a
																				higher grade MZ, > 100 oz Ag (?).
				128.8	25															128.0-129.1: Cherty argillite. Shear parallel to compositional
																				layers persist but sulphide density markedly decreases.
																				Pyrite 2-3%, other sulphide phases not identified.
																				129.1
129.1	131.2	Fpd	Se																	FELDSPAR PORPHYRY DYKE- SERICITIZED
																				Light cream-green, clay and sericite altered feldspar porphyry dyke.
				129.1	Sd:	50						3					Tr			Euhedral disseminated pyrite: 3%, trace arsenopyrite.
																				Note: strong shearing and clay development 130.6-131.6, crossing
																				the contact at 131.2
																				131.2
131.2	140	CA																		CHERTY ARGILLITE
																				Distinctly compositionally laminated cherty argillite.
				135.3	Si:	40														Strongly sheared at upper contact (131.2-131.5)
																				Compositional layers generally consistent at about 40 degrees.
																				Net sulphide concentration slightly above background at 1.5-2.0%.
																				Minor shearing and increased clay development at the lower contact.
																				140
140	142.2	Fpd	K-Se																	FELDSPAR PORPHYRY DYKE - CLAY SERICITE ALTERED
																				Chalky grey-green feldspar porphyritic dyke.
																				Hematite not pyrite is the predominant FE phase, hematite ~ 3%
				142.2	Sd:	45														No significant stockwork development, minor clay lined fractures
																				noted.
																				142.2
142.2	152.7	AP/CA																		ARGILLACEOUS PHYLLITES - CHERTY ARGILLITES
																				The percentage of soft, fine grained black clastics increases,
				149.6	Si=So=60															60-70% argillite, 30-40% cherty argillite.
																				Homogeneous slightly blocky core, no significant fault structures.
																				Sulphide levels are low, pyrite ~ 0.25%.
																				No significant structural zones, bottom contact tight at 50 degrees,
																				parallels compositional layering.

Assay Sample Log DDH 3-19

Date June 20

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3-19-Box 1 3.0

3.0

9.0

3-19-Box 2 9.0

10.0

14.0

14.4

3-19-Box 3 14.4

17.1

20.1

3-19-Box 4 20.1

20.1

23.2

25.4

3-19-Box 5 25.4

26.2









S-19-Box 25 138.2

S-19-Box 26 139.5

S-19-Box 27 144.8

S-19-Box 28 150.2

S-19-Box 29 157.3

157.3

3-A Bx 22 117.3

3-A Bx 23 122.5

3-A Bx 24 128.4

129.8

132.4



Diamond Drill Log DDH 3-20

North: 6160795 East: 347930 Elevation:
Dip: -57.5 Azimuth: 270 Total Distance: 166.7 m
Date: June 20, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization										Comments	
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag				
0	1.8	CASE																						CASING
																								1.8
1.8	7.6	Fpd	Se																					FELDSPAR PORPHYRY DYKE
																								Lightly sericitized feldspar porphyry dyke.
				7.6 Sd:	25																			Crowded slightly blurred plagioclase feldspars.
																								50% oxidized down to 7.6 m.
																								Pyrite as euhedral disseminations, 1.5-2.0%.
																								7.6
7.6	23,0	L																						LIMESTONE
																								Blue grey, recrystalized moderately dolomitic limestone.
				12.1	Si:	25																		Patchy irregular mangiferous dolomitic and heavier chocolate brown mangiferous veins without a sulphide association.
																								Locally very faint Si fabric, usually defined by wispy serictic lamella.
																								Increasing oxide content, 22.3-23.0, the mafic tuff contact.
																								Sulphides not identified.
				23,0	So:40																			No structural zones.
																								23
23,0	31.8	Mt																						MAFIC TUFF
																								Medium green, moderately foliated mafic tuff.
				28,0	Si:	30																		Matrix is non-calcareous, although coarse irregular calcite knots and aggregates occur throughout the interval.
																								23.0-27.1: Light tan bleached, enhanced calcite vein injection near the upper limestone contact.
																								Pyrite ~ 0.25% along fractures.
																								Unit is non-magnetic.
																								Lower contact tight, no shearing.
																								31.8
31.8	62.7	L																						LIMESTONE
																								Blue grey, weakly dolomitic limestone.
				33,4	So:	60																		Locally felted dark grey calcite - dolomite rhombs.
																								Extremely low sulphide content, pyrite or other sulphide phases
				44.3	Si:	30																		not identified.
																								Locally weak Si fabric.

				59.2	So	50														Short transition from clastic rich limestone to homogeneous member near the upper contact, 31.8-33.4.
																				62.7
62.7	70.2	Fpd	Si																	SILICIFIED FELDSPAR PORPHYRITIC DYKE
												0,5	Tr							Light cream green, moderately silicified feldspar porphyry dyke.
																				Fine, mm scale quartz fractures.
																				Sulphides include pyrite 0.5% disseminated and as a vein infill.
																				Traces of chalcopyrite are also identified.
				70.2	Sd: 10															Lower contact tight, no faults.
																				70.2
70.2	83.9	P/Lc																		SERICITIC PHYLLITES AND CLASTIC RICH LIMESTONES - DEBRIS STONE
			70.4	Si=So	55															Throughout the interval, non-calcareous planar compositionally layered sericitic phyllites are interbedded with clast rich limestones.
																				Sulphide content in both units is low, pyrite ~ 0.5% in sericitic
			81.2	So	60															phyllites and trace in limestone.
																				Sporadic small < cm clasts within phyllite member.
																				Si and compositional layers are parallel.
																				Note: Pyrite content significantly increases at the lower contact.
																				From 83.4-83.9 weak shearing and the development of 1.0% coarser
																				grained euhedral pyrite. No other sulphide phases.
																				83.9
83.9	113.5	L																		LIMESTONE
																				Homogeneous blue-grey limestone, massive non-bedded.
																				Weak Si fabric, largely due to aligned opaques.
																				Pyrite is noted at trace to 0.25% levels, always in association with
				104.4	So: 40															black opaques flanking clacite veins.
																				Rare black clastic inclusions, < 1.0% by volume.
				113.5	So:85															No significant rock alteration, sulphide development or brittle ductile
																				strain zones.
																				113.5
113.5	135.5	CA	sh																	CHERTY ARGILLITE: MODERATE SHEARING
												0,25			Tr					Well developed white-black compositional layers.
																				Compositional layers are frequently boudinaged cusped oval chert
																				fragments common.
				117.3	So 30=Si															Argillite interbeds represent < 10% rock volume.
																				Minor limestone interbeds 115.1-117.3 near the upper contact.
				127.1	Si:	45														Sulphide levels low, pyrite 0.25-0.5% as foliation parallel aggregates,
																				trace arsenopyrite.
				131.1		30														Brittle-ductile zones located at: 129.8-130.1 Black argillite gouge,
																				pyrite 0.5%,
																				132.3-135.5: Sheared and quartz injected black clastics. Pyrite 1.0-
																				1.5%. No other sulphide phases identified.

																				135.5
135.5	152.4	L																		LIMESTONE
																				Medium grey, medium grained limestone.
				135.7	Si:	65														Slight stylolitic cleavage.
												0,25								No internal beds.
				137.7	So:	42														Discordant calcite veins are non-sulphidic.
																				Note: Cherty argillite interbed at 136.5-137.7.
																				Note: 145.4-152.4: increasingly blocky, broken core, Significantly
																				elevated calcitic vein injection but no significant changes in
																				sulphide content, pyrite < 0.25%.
																				152.4
152.4	153.9	CA-Sh	Flt																	MAJOR FAULT: SHEARED CHERTY ARGILLITE HOST
																				Strong brittle-ductile fabrics, fragment rotation and complete loss
																				of competency defines this zone.
				153,0		35														Host lithology cherty argillite.
				153.9	Sd:40															Sulphide content slightly elevated, fine grained disseminated pyrite,
																				0.75-1.0%, no other sulphide phases.
																				153.9
153.9	160,0	MZ	Flt																	MINERALIZED ZONE: FELDSPAR PORPHYRITIC DYKE HOST
																				A pale green, sericitized +/- silicified feldspar porphyritic dyke
				159	J/35															host two styles of mineralization:
																				1. Stockwork sulphide rich joints within the dyke
																				2. A high sulphide vein along the lower contact.
																				Relevant sub-intervals are:
																				153.9-159,0: Shattered, feldspar porphyritic dyke hosting
																				numerous sulphide rich joints and veinlets. Percentage of
																				sulphide rich veins and joints increases towards the lower
																				contact. Net sulphide distribution: pyrite 3%, arsenopyrite tr,
																				sphalerite 0.25, tetrahedrite-tennantite: 0.25, stibnite trace.
																				159,0-160.0: Massive sulphide vein. Greater than 60% sulphides,
																				within a minor quartz-calcite gouge.
																				Principle phases include: pyrite 8%, arsenopyrite 6%, red
																				brown sphalerite: 1.0%, stibnite 10%, tennatite-tetrahedrite: 1.0%
																				pyargaryite 0.5%.
																				Note: Abundant black clay gouge within the sulphide rich vein.
																				160
160	166.7	CA-A	En																	SHEARED CHERTY ARGILLITES - MINOR ARGILLITE INTERBEDS
												1,5								Well compositionally laminated ribbon cherts dominate the interval.
																				Sequence becomes increasingly argillaceous down hole, from
																				165.8-166.7, sheared clay with argillites predominant.
																				Sulphide content rapidly diminishes below the vein contact, pyrite
																				averages 1-1.5% other sulphide phases are not identified.
				161.6	So=Si=5															Throughout the interval compositional layers have rotated sub-parallel

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Assay Sample Log DDH 3-20

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3-20-Box 21 109.0

111.9

3-20-Box 22 114.1

114.9

114.1

118.0

3-20-Box 23 120.8

120.8

377

124.1

3-20-Box 24 125.5

125.5

127.1

130.1

130.9

3-20-Box 25 130.9

135.0

136.2

136.5







152.7

5-20 84 29 152.7

152.7

152.0

5-20 84 30 158.0

160.6

163.1

5-20 84 31 163.1

163.1

547

166.1

3-20 8x29 152.7

154.5

3-20 8x30 158.0

160.6

3-20 8x31 163.1

163.7



Diamond Drill Log DDH 3-21

North: 6160725 East: 347930 Elevation:
Dip: - 45 Azimuth: 270 Total Distance: 139.0 m
Date: June 22, 2003 Logged By: J. Oliver Page: 1

From	To	Rock	Mod	Stuct	CA	Alteration							Mineralization									Comments
						Hfs	Sk	Mar	Ret	Y-Gar	Br-Gar	Si	Py	Po	Cpy	Sp	Gn	Asp	Bn	Mag		
0	3,0	CASE																				CASING
																						3
3,0	26.85	Fpd	Se																			FELDSPAR PORPHYRITIC DYKE - MODERATELY SERICITIZED
																						Light grey green crowded feldspar porphyry dyke.
																						Based on alteration and sulphide development three principle
				23.2	J/	15																sub-intervals are defined:
																						3.0-16.1: Feldspar porphyry dyke with light disseminated
				26.85	Sd:	47																pyrite ~ 0.75%, and no significant sulphide filled joint sets.
																						16.1-24.4: Fractured clay-calcite-pyrite-arsenopyrite filled
																						joint sets. Pyrite 2%, arsenopyrite 0.25 %.
																						24.4-26.85: Weakly altered pale green moderately sericitized
																						feldspar porphyritic dyke.
																						Lower contact tight, no skarn development between dyke and limestone.
																						26.85
26.85	33.9	L																				LIMESTONE
																						Massive blue-grey re-crystalized moderately dolomitic limestone.
				28.4	Si:	40																No compositional layers but locally weak internal fabric development.
																						Low sulphide content, pyrite < 0.25%
																						33.9
33.9	45.9	Fpd																				FELDSPAR PORPHYRITIC DYKE
																						Weakly to moderately altered feldspar porphyritic dyke.
																						Light matrix carbonization - +/- sericite.
				45.9	Sd:	15																0.75-1.0% fine grained disseminated pyrite.
																						Hematite present in trace amounts.
																						Sporadic clay-calcite filled joint sets.
																						Both upper and lower contacts tight, non-faulted.
																						45.9
45.9	50.5	L																				LIMESTONE
																						Blue grey, moderately re-crystalized massive limestone.
			48.3	So=Si=30																		Sporadic, incomplete, darker grey beds.
																						Weak calcite vein injection.
																						No pyrite recognized, trace sphalerite lining, mm scale calcite fractures.
																						Lower dyke contact tight, no significant alteration.

																					50.5
50.5	53.6	Fpd																			FELDSPAR PORPHYRITIC DYKE
													0,5								Blurred off-white equant feldspars are embayed within a fine grained
																					kakhi matrix.
						53,6	Sd:	10													Minor hairline fractures noted, but no significant vein or joint sets.
																					Net sulphide content: pyrite 0.5%, trace grey sulphides.
																					Lower contact tight and unaltered.
																					53.4
53.6	78,0	L																			LIMESTONE
													0,25								Medium to fine grained blue-grey re-crystalized limestone.
				56,0	Si:35																Texturally variable from massive, to sporadically bedded to
																					moderately carbonaceous with a well developed stylolitic cleavage.
																					Blocky core, but no major structural zones.
				64,0	Si:25																No development of high sulphide veins, skarn or stockwork assemblages.
																					Net sulphide content: pyrite : 0.25-0.5%, always with black carbon
																					rich pressure solution cleavages.
																					78
78,0	89.3	CA-AP																			CHERTY ARGILLITE LESSER ARGILLACEOUS PHYLLTE INTERBEDS
																					Well compositionally laminated cherty argillite forms 60-70 % of
																					the interval.
																					This unit is interelated with argillaceous phyllite beds (30-40%)
				81.1	Si=So=35																which seldom exceed 1.0-1.5 m's in thickness.
																					Compositional layers have a highly consistent orientation to CA.
				89,0	So:50																No significant structural zones are noted
																					Net sulphide content averages 0.5% as compositional layers parallel
																					aggregates.
																					89.3
89.3	98.4	Fpd	(Q) ?																		FELDSPAR PORPHYRY DYKE (QUARTZ DIORITE)
																					Medium green, very weakly altered feldspar porphyry dyke.
													0,5	Tr							0,75 Rock contains very sporadic, < 5% free quartz.
																					Abundant matrix chlorite.
																					Disseminated pyrite 0.5%, magnetite 0.75 %, trace chalcopyrite.
																					No fracture development, tight lower contact.
																					98.4
98.4	106,0	CA/AP																			CHERTY ARGILLITE / ARGILLACEOUS PHYLLITES
																					Approximnately equal volumes of diffusely compositionally layered
				98.4	Sd:	45															ribbon banded chert and laminated light green-grey argillaceous phyllites.
																					Compositional layers have a consistent orientation to CA at ~ 30.
					103,0	Si=So=30							0,75								The unit is non-calcareous.
																					Fine grained pyrite is associated with dark black lamella and
					105,0		46														averages 0.5-0.75%.
																					Note: Increased shear fabric +/- weak damage envelope at 104.9-
																					106,0. Slightly elevated pyrite, 2% and trace sphalerite within

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Date June 22

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3-21 Box 16 92.0

92.0

88.5

3-21 Box 17 88.5

92.0

94.0

94.0

3-21 Box 18 94.0

94.0

94.0

100.0

3-21 Box 19 100.0

100.0



31.0

33.4

35.6

36.6

41

41.5

42.1

42.7

44.5

46.7

5-21-Box 9

46.7

47.5

50.6

52.2

5-21-Box 10

52.2

52.1

56.1

57.5

