GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION			HOLE ORIENTATION	
PROJECT:	COLMENITAS	GRID Name or No:		DATUM: WGS 84	AZIMUTH:	200.0
HOLE NO:	P-03	NORTHING:		ZONE: 29N	INCLINATION:	75.0
LOGGED BY:	David Gómez	EASTING:		UTM Northing: 703377	FINAL DEPTH (m):	431.50
START DATE:	14-Feb-09	ELEVATION:		UTM Easting: 4163083	CORE SIZE:	PQ, HQ, NQ
FINISH DATE:	6-Mar-09	Casing (m):	325.70	UTM Elevation: 270	Magnetic Declination:	2.45 W
					CASING LEFT IN HOLE:	84 HQ

Depth			Rock Type					Colour			ALTERATION							Mineralisation										Structural Measurements		COMMENTS
											Alteration Intensity						Code	Sulphide					Veins							
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silica	FEH (Hemitite)	FEM (Magnetite) Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	
0.00	3.00	3.00	41																										Drill pad. Esplanade materials.
3.00	42.85	39.85	10sh																										Sheared shales. Folds and sinsedimentary faults.
3.00	15.90	12.90		10sh	sup			br	grl	or				2		2													weathered and sheared shales, with some qz-veins
3.00	5.20	2.20		QVN										2		2							qz	vs					weathered and oxidized qz-vein set. 10% QVN. Washed
3.10																												s0	20	
3.10																												s0	20	OPPOSITE
3.10																												s1	50	
3.10																												s2	0	
4.70	4.85	0.15												2		2												fg		fault with some clays. Washed
5.60																												s1	20	
6.30																												s1	20	
6.30																												s0	90	
7.10	8.05	0.95		FZ										2		2														fault zone with clays and broken pieces
8.10																												ft	10	clays. 1 cm opened.
8.20	8.30	0.10												2		2												fg		fault with clays and broken pieces
10.20	11.00	0.80		FZ										2		2														fault zone wiht washing zone. AQUIFER.
10.20																												s1	50	
11.80																												s1	35	
11.80																												s2	20	
12.00	12.25	0.25												2		2												ft		some clays and washing.
12.00	12.15	0.15		QVN										1		1							qz	vn						massive vein. Washed. Carbonates are out, leaving holes.
12.50																												fr	30	
13.15																												s1	45	
13.35	14.10	0.75		FZ										2		2														fault zone with clays.
15.00	15.90	0.90		FZ										2		2														fault zone with clays.
15.90	22.30	6.40		10sh	trn									1		1														
15.90	42.85	26.95																py	1.50	do	eu									milimetric euhedral crystals of Py. Disseminated. More abundant in silt bands.
16.50																												s0	20	
16.50																												s1	70	OPPOSITE
16.50																												s2	10	OPPOSITE
17.10																												s1	20	
18.40																												s1	40	
19.60	19.70	0.10		QVN				wt	rd					1		1							qz	vn						qz-vein, washed.
20.20																												s1	30	
20.70	24.60	3.90		FRZ																										Broken pieces and a few clays. LOOSING WATER IN THIS ZONE
20.80																														116 mm diam to HQ
25.70																												s1	40	
25.70																												s0	30	OPPOSITE
26.60																												fr	10	
32.00	32.60	0.60																										ft		fault with broken pieces
33.25	33.85	0.60																										ft		fault with broken pieces and q-veins washed.
34.40																												s1	80	
34.50																												fr	10	filled with qz. 1 mm wide
35.10																												s1	60	
35.10																												s0	75	
24.40																												s1	50	
24.40																												s0	70	OPPOSITE
36.20																												s1	70	
37.90																												s1	70	
42.85	62.00	19.15	10b					grl	bl									py	1.50	eu	do	in								banded shales (around 1 cm wide silt bands) with some sedimentary structures. The colour of the rock varies from light grey to black. Py infill milimetric euhedral crystals. Following s1 and silt bands as milimetric py bands.
39.00	39.30	0.30																										frz		broken pieces.
39.15																												frz	0	
39.90																												ft		washed. Some rests of qz-vein
40.90	42.85	1.95		FRZ																										broken pieces and some gouge
41.70	41.80	0.10																										fg		gouge
42.10																												s1	30	
42.10																												s0	20	
42.10																												s0	90	
38.90																												s1	80	
42.65	42.85	0.20		QVN							1	1				1							qz	vn	cl	cb				fractured qz-vein. Some washing of the carbonates of the vein.
43.40																												s1	30	
43.90	48.90	5.00		QVN							1	1				1							qz	vs	cl	cb				qz-vein. Some washing of Cb. Near massive veins. Some mixing with shales. 25 cm max wide. Following s1. 20% QVN.
43.80	44.00	0.20																										frz		broken pieces
44.30																												vn	55	1 cm wide
45.80																												s1	50	
45.80																												s2	10	
49.00																												s1	55	
49.00																												s2	0	
49.00	49.75	0.75																										frz		broken pieces. Some fault with gouge. Washing of some qz-veins.
49.00	52.50	3.50		QVN																			qz	vs	cb			vl		5% QVN. Very spaciated qz-veins and veinlets, milimetric to 1 cm wide. Some crushing and washing.
50.30																												s1	70	
51.20																												s1	40	
51.20																												s0	60	
51.20																												s2	10	
52.00																												s1	50	
52.00																												s2	10	
54.00																												ft		5 cm wide. Broken pieces.
54.60																												s1	45	
56.00	56.10	0.10																										ft		broken pieces
56.50	60.20	3.70		FZ	QVN																		qz	vs	cl	cb				fault zone with broken pieces and gouge. 30% QVN. Washed massive veins. 5 cm max wide.
58.30																												s1	40	
58.30																												s2	10	
58.30																												s0	10	
61.00																												s1	40	
61.00																												s2	20	OPPOSITE
62.00																												s1	40	
62.00																												s0	40	
62.00																												s2	10	OPPOSITE
62.00	76.60	14.60	10l																											

Depth			Rock Type					Colour			ALTERATION								Mineralisation											Structural Measurements		COMMENTS
											Alteration Intensity						Code		Sulphide					Veins								
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silicia	FEH (Hemitite)	FEM (Magnetite)	Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	
63.60	64.00	0.40																										ft		broken pieces
64.70																												s0	0	
64.70																												s1	50	
64.70																												s2	40	OPPOSITE
64.00	67.00	3.00																	py	0.01	bl								vl	50	1 mm qz veinlets, normally dipping 5-10º. Some of them are milimetric with milimetric Py blebs (these are dipping 25º)
66.00																												s1	30	
66.00																												s2	5	OPPOSITE
66.20	68.30	2.10		QVN				wt			1	1												qz	vs	cb				massive veins. Some are mixed with shales. 18 cm max wide. Following s1. 30% QVN.
66.25																												vn	45	3 cm wide. Massive vein.
67.35																												vn	80	4.5 cm wide. Massive vein.
68.30																												vn	70	2.5 cm wide. Massive vein.
67.80																												s1	40	
69.25																			py	10.00	in								vn	40	1 cm wide. Massive vein. Milimetric Py infill in the central part of the vein.
69.25																												s1	55	
69.25																												s2	0	
69.60																			py	10.00	in								vn	15	1 cm wide. Massive vein. Milimetric Py infill in the central part of the vein.
70.10																												s1	30	
70.10																												s0	0	
70.10																												s2	30	OPPOSITE
71.00																			py	2.00	in								vn	10	0.5 cm wide. Massive vein. Milimetric Py infill in the central part of the vein.
72.55																												s0	15	
72.55																												s1	40	
72.55																												s2	0	
72.85	75.00	2.15		FZ																											Fault zone with mostly broken pieces.
75.40																												s1	20	
76.50																												s0	5	
76.50																												s1	40	
76.50																												s2	0	
76.60	87.50	10.90	**FZ**	QVN	shr																								vl		fault zone with mostly broken pieces and some gouge. 25% QVN. 20 cm max wide. Following s1., mostly 1 cm wide. Some milimetric veinlets perpendicular to silt bands.
80.00	80.60	0.60																										fg		washing and gouge
81.00	81.35	0.35																										fg		washing and gouge
83.10	83.50	0.40																										ft		washing and gouge
85.00	85.80	0.80																										fg		broken pieces
79.00																												vn	10	gouge
79.60																												vn	15	1 cm wide. Massive vein.
77.60																												vn	40	1 cm wide. Massive vein.
80.60																												s0	10	6 cm wide, vein mixed with shales.
80.60																												s0	40	
80.60																												s1	30	
80.60																												s2	0	
82.30																												s0	70	
82.30																												s1	15	
82.30																												s2	15	OPPOSITE
87.50	92.50	5.00	**10l**					gd																							
88.90																												s1	30	
88.90																												s0	90	
89.90																												s0	90	
89.90																												s0	10	
89.90																												s1	50	
91.30	91.70	0.40		QVN				wt																qz	vn	cb	cl		vn	0	massive vein. Sheared edges.
91.20																												vn	50	8 cm wide. Massive vein
90.55																												vl		1 cm wide. Sheared and folded
90.30																												s1	70	
92.90	93.35	0.45		QVN				wt																qz	vn	cb	cl		vn		mixed with shales. mostly silt bands are >10 cm wide. Sedimentary structures are recogniced in silt bands. Separtion between bands is similar to the wide of the bands.
92.50	121.80	29.30	**10b**																												
94.70																												s1	20	
95.60																												s1	50	
92.75																												ft	30	sinsedimentary fault
92.75																												s0	60	
92.75																												s0	20	OPPOSITE
92.75																												s2	0	
92.75																												s1	20	
97.00																												s1	70	
97.00																												s2	35	
97.65	99.90	2.25		10b				gd	bl																						Change in the wide of the silt bands. Now have 1-3 cm wide and the same wide for the separation between them.
99.00	101.70	2.70																										vl		milimetric qz-veinlets. Normally perpendicular to core, with 2-3 mm wide, and normally following s1. Others are perpendicualar to silt bands.
101.60																												vn		two massive veins. Irregular. 1 to 2 cm wide.
101.70																												fg		4 cm wide. Clays.
102.60																												s0	60	
102.60																												s1	55	OPPOSITE
102.60																												s2	10	
105.30																												s1	40	
105.30																												s2	40	OPPOSITE
109.15																												ft	80	sinsedimentary fault with some breccia. 3 cm wide.
110.75	111.00	0.25		QVN				wt			1	1												qz	vn	cb			vn	50	near massive vein. Some mixing with shales. 20 cm wide.
111.30				QVN				wt	cr		1	1												qz	vn	cb			vn	50	near massive vein. Some mixing with shales. 5 cm wide.
111.70																												s1	30	
111.70																												s2	10	
112.70																												s1	50	
112.70																												s2	20	
112.15																												ft	80	sinsedimentary fault with some breccia. 1 cm wide.
116.00	120.70	4.70																										vl	50	milimetric qz-veinlets. Normally following s1, and affected by s2. some of them are perpendicular to silt bands. Dip 50 is the most common.
117.00																												s1	40	
117.00																												s2	10	OPPOSITE
119.25	119.70	0.45		QVN				wt			1	1												qz	vs	cb	cl		vn	50	mostly mixed with shales and near massive. 30% QVN.
120.10																												s1	50	the same as s0
120.10																												s1	70	the same as s0
120.10																												s1	20	the same as s0
120.10																												s1	30	the same as s0
120.10																												s1	10	the same as s0
121.80	133.15	11.35	**10l**		shr			gd			1																				laminated shales with some shearing of the silt bands.
122.80																												s1	50	
122.80																												s0	20	
122.80																												s2	15	
123.50	124.00	0.50																										vl		milimetric qz-veinlets following s1. related to a sheared silt bands
123.70																												s0	10	
123.70																												s1	60	
124.65	124.90	0.25		QVN				wt			1	1												qz	vn	cb					sheared and folded qz-vein
125.50	125.90	0.40		QVN				wt	grl		1	1			1									qz	vs	cb	cl		vl		sheared and folded qz-vein and some veinlets
125.60																												vn	50	
126.60																												s1	20	
126.60																												s2	30	OPPOSITE

Depth			Rock Type					Colour			ALTERATION							Mineralisation												Structural Measurements		COMMENTS
											Alteration Intensity						Code	Sulphide					Veins									
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silicia	FEH (Hemitite)	FEM (Magnetite)	Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	
127.30	127.75	0.45		QVN				wt			1	1				1							qz	vs	cb	cl				3 massive veins. Irregular. 15 cm max wide. Sheared edges. 35% QVN
130.40																												s0	25	
130.40																												s1	60	
130.40																												s2	5	
131.00	133.10	2.10		QVN				wt	grl		1	1				1			py	0.01	in	bl		qz	vs	cl	cb				sheared and mixed with shales. Following roughly s1. 40% QVN.
133.15	164.65	31.50	**10b**																py	0.10	do	bl									banded shales. 1-7 cm wide of silt bands. More graphitic shales than above. Py in silt bands as milimetric disseminations.
134.25	137.00	2.75		QVN				wt	grl		1	1				1			py	0.01	in	bl		qz	vs	cl	cb				mostly mixed with shales. 9 cm max wide.
135.25																												s1	70	
136.00																												vn	20	1 cm wide. Irregular.
137.10																												s1	30	
137.10																												s2	15	OPPOSITE
136.70																												s1	80	
135.40	136.20	0.80																										frz	50	broken pieces. Fractures following s1
137.80																												s1	50	
138.50	139.00	0.50																										fg		fault with some washing and clays.
139.20	152.60	13.40		QVN				wt	grl		1	1				1								qz	vs	cl	cb	vl		qz-veinset with mostly veins mixed with shales, and following roughly s1. 4-5 cm average wide. Some milimetric crushed veinlets and grouped. Increasing in Py content related with abundant Chlorite zones.
139.10	146.90	7.80		10b	shr														py	0.10	in	do									some shearing of shales and qz-veins. Py in shales as milimetric veins following s1, mostly in silt bands and infill in qz-veins.
141.50																												s1	30	
143.30																												s1	30	
143.30																												s0	50	
139.30																												s0	30	
144.00																												s1	35	
146.00																												s1	40	
147.00																												s1	25	
149.40																												s1	10	
150.30	151.55	1.25		10b	shr																									Sheared banded shales
150.60																												s1	50	
150.60																												s2	15	OPPOSITE
150.00																												vl	20	0.5 cm wide. Massive vein
153.90	155.35	1.45		10b	shr																									Sheared banded shales
153.80																												s1	45	
154.30																												s1	50	
154.30																												s2	20	
156.00																												s1	15	
155.45	160.40	4.95		QVN				wt											py	0.01	in			qz	vs	cb	cl	vl	40		veinlet zone. Milimetric to 1 cm wide veinlets. Some of them are sheared. 15% QVN. 4 cm max wide in qz-veins. Mixed with shales.
157.60																												vl	40	cutting s1. 2 mm wide
157.60																												s1	10	
158.20	158.60	0.40																										frz		crushed, fractured and brecciated veinlets.
159.45																												vn	50	massive vein. 4 cm wide.
159.45																												s1	10	
159.45																												s1	50	
161.80																												s1	90	
161.80																												s1	0	
161.80																												s2	20	
162.70	163.30	0.60		QVN				wt																qz	vn	cl	cb				semimassive vein with some shales inside. Irregular contacts with shales (sheared)
163.80																												s1	60	
163.80																												s2	0	
164.70	165.60	0.90																	py	0.01	in							vl	40	a lot of crushed and sheared qz-veinlets, with some infill Py. Major concentration from 164.7 to 165 m depht.
166.10																												s1	30	
167.30																												s1	40	
158.20	160.40	2.20		10b	shr																									
164.65	188.85	24.20	**10sh**																											
167.90																												s0	10	
167.90																												s1	40	
171.50																												s1	40	
171.50																												s0	10	
168.65	170.30	1.65																										vl		some 1 cm wide veinlets. Sheared and folded. 5% veinlets. Following s1 and affected by s2
173.20																												s1	30	
173.20																												s0	60	
173.20																												s0	0	
173.40	175.60	2.20																										vl		some milimetric to 1 cm wide veinlets. Sheared and folded. 5% veinlets. Following s1 and affected by s2
177.40																												s1	30	
177.40																												s0	20	
177.70	181.10	3.40																										vl		some milimetric to 1.5 cm wide veinlets. Sheared and folded veinlets. Following s1 and affected by s2
179.00																												s0	40	
179.00																												s0	90	
179.00																												s1	40	OPPOSITE
181.90	184.30	2.40		QVN				wt	grl		1	1				1								qz	vs	cl	cb	vl		mostly mixed with shales. One is massive and sheared, following roughly s1. 25% QVN
182.10																												vn	50	10 cm wide. Massive vein
182.00																												s1	40	
183.80																												s1	40	
185.90																												s1	30	
186.20																												s1	20	
186.10	188.85	2.75		QVN				wt	grl		1	1				1			py	0.01	in			qz	vs	cl	cb	vl	20		mixed with shales and sheared veinset. 60% QVN. Some massive veins.
188.40																												vn		massive vein. 15 cm wide.
189.60																												s0	60	
189.60																												s2	10	
188.85	220.60	31.75	**10l**								1																			
191.50																												s0	70	
191.50																												s1	25	
191.50	196.15	4.65		10l	shr																									
191.70	196.35	4.65		QVN				wt	grl		1	1				1								qz	vs	cl	cb				25% QVN. mostly veins are mixed with shales. Some are massive. Some veinlets are joining veins. Shearing.
192.65																												vn	35	massive vein. 10 cm wide
193.50	194.70	1.20																										vl	40	Set of milimetric veinlets dipping 40
197.00																												s0	70	
197.00																												s2	15	
197.30																												vn	70	2 cm wide. Massive vein with sheared edges.
197.60																												vn	50	3 cm wide. Massive vein with shales in the center of the vein.
198.40																												vn	15	3 cm wide. Massive vein with sheared edges.
198.80																												vn	90	3 cm wide. Mixed with shales.
199.00																												vn	45	3 cm wide
199.60	202.00	2.40		QVN				wt	cr		1	2				1								qz	vs	cb	cl	vl		qvn + veinlets. Sheared. Veins following s1 and veinlets are in all directions with 1 mm wide.
201.45	202.30	0.85		FZ																										fault zone. Broken pieces + clays.
202.00	202.20	0.20																										fg		fault gouge
199.10																												ft	70	sinsedimentary fault. Breccia. 1 mm to 3 cm wide.
199.50																			py		eu	do	bl							following s1. milimetric euhedral crystals.
202.55																												vn	20	0.5 - 3 cm wide. Folded massive vein.
204.50																												s1	40	
205.25	213.00	7.75		QVN				wt	grl		1	1				2								qz	vs	cl	cb				qz veinset. Veins mixed with shales. A lot of chlorite. 50% QVN.
210.00	210.40	0.40																										ft		broken pieces + gouge.
214.00																			py	10.00	eu	ms	do							0.5 cm size Py crystals + milimetric disseminations and some masses <1 cm size. 1 cm wide.
213.70																												fg	40	4 cm wide. Following s1

Depth			Rock Type					Colour			ALTERATION								Mineralisation											Structural Measurements		COMMENTS
											Alteration Intensity						Code		Sulphide					Veins								
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silicia	FEH (Hemitite)	FEM (Magnetite)	Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	
216.70																													s1	40	
216.50																													vn	45	1.5 to 3 cm wide. Folded
216.50																													fa	25	
217.50																													s1	55	
217.50																													s0	30	
220.35																													s0	35	
220.35																													s0	90	
220.35																													s0	40	
220.35																													s1	40	
218.90																			py	3.00	eu										milimetric to 0.5 cm size Py euhedral crystals. Following s1 in silt bands.
222.00	223.20	1.20		QVN				wt			1	1				1								qz	vs	cl	cb				4 qz-veins, separated 10 to 40 cm, with 3-5 cm wide. Sheared edges. 10% QVN.
223.15																													vn	30	
222.70																													vn	60	
222.80																			py	3.00	do	eu									milimetric euhedral crystals in silt band. 1 cm by 3 cm spot size.
223.80																													s0	60	
223.80																													s1	25	
225.25	231.00	5.75		QVN				wt			1	1				1								qz	vs	cl	cb		vl		mixed with shales. Following roughly s1. 25% QVN. Semimassive veins with sheared edges. Some veinlets (0.5 cm wide) joining some veins.
220.60	233.70	13.10	**10sh**																												
226.00																													s2	0	
226.00																													s1	50	
228.60																													s1	35	
231.00																													s1	40	
231.40																													s1	80	
231.40																													s1	0	
231.40																													s2	20	
232.10	233.35	1.25		QVN				wt	grl		1	1				1								qz	vs	cl	cb				mostly veins mixed with shales. Some of them are massive with sheared edges.
232.80																													vn	15	2 cm wide. Massive vein. Sheared edges.
233.20																													vn	60	1.5 cm wide. Massive vein.
231.60																													s1	70	
231.60																													s2	20	OPPOSITE
233.70	249.20	15.50	**10l**	shr																											laminated shales with some shearing.
234.70	243.45	8.75		QVN				wt	grl		1	1				1			py	0.01	in	bl	eu	qz	vs	cl	cb		vl		10% QVN. Semimassive vein. Sheared edges. Milimetric Py blebs infill in qz-veins and some <1cm size Py crystals in silt bands. Some mm veinlets perpendicular to silt bands
236.00																													s1	25	
240.10																													vn	40	1.5 cm wide. Sheared edges
241.00																													s1	15	
241.00																													s0	45	
243.00	247.00	4.00																											vl		milimetric veinlets. Dips between 0 and 30
243.90																													vl	0	0.5 cm wide
244.00																													s1	50	
244.00																													s0	0	
244.70	245.00	0.30																											ft		Fault with broken pieces and gouge
244.90																			py	10.00	eu										Py vein inside the fault with less than 1 cm size euhedral Py crystals.
246.00																													s1	60	
246.20																													vl	30	2 mm wide
247.80	249.00	1.20		FZ																											Broken pieces (mostly)
249.20	282.15	32.95		10b	big														py	0.01	eu	do	bl								Big silt bands (23 cm max wide) and some shearing. Py in mostly silt bands al <1 cm size euhedral crystals.
249.20	297.90	48.70	**10b**																												Big silt bands until 282.15 m depth.
251.00																													s1	20	
251.00																													ft	40	sinsedimentary fault.
251.20	251.30	0.10																											fg		fault with gouge and broken pieces.
253.20																													s1	60	
255.00																													s1	60	
255.00																													s2	0	
255.00																			py	10.00	eu	do									Py band. Milimetric euhedral crystals. Following s1
257.00																													s1	50	
257.00																													s2	0	
257.15	258.90	1.75		10l	shr																										laminated shales with some shearing.
257.60																													s0	50	
257.60																													s1	60	OPPOSITE
257.60																													s2	0	
258.90	260.50	1.60		QVN				wt	grl		1	1				1			py	0.01	eu			qz	vs	cl	cb		vl		sheared qz-veinset. Mixed wiht shales, following s1. Some < 1 cm wide veinlets, affected by s2. <1 cm size Py euhedral crystals.
259.40																													vl	20	0.5 cm wide. Quartz.
260.25																													vn	50	8 cm wide. Mixed with shales.
261.30																													s1	55	
261.90	262.15	0.25		QVN				wt	grl		1	1				1								qz	vn	cl	cb		vn	65	semimassive Flamboid vein with .
263.35																													s0	60	
263.35																													s1	50	OPPOSITE
264.20																													vn	70	5 cm wide. Massive vein. Irregular edges.
266.40																													s1	60	
267.70	267.90	0.20																											vl	40	Veinlets inside silt band, perpendicular to them, others are dipping 40.
269.00	276.45	7.45		QVN				wt	grl		1	1				1			py	0.01	eu			qz	vs	cl	cb		vl		25% QVN. mostly mixed with shales, and some are semimassive. 7 cm max wide. Some veinlets are perpendicular to silt bands, and others are dipping 15 (perpendicular to QVN). Some <1 cm size euhedral Py crystals.
271.20																													s1	50	
271.20																													s2	15	
272.00																			py	2.00	eu	bl									euhedral Py crystals inside silt band as groups, following s1
273.70																													vl	30	inside silt band
274.00																													s1	60	
274.00																													s0	10	
274.90																													vn	50	2.5 cm wide. Massive wiht sheared edges.
275.50	276.20	0.70		FZ																											Fault zone wiht broken pieces, some washing and some gouge.
276.55																													s0	75	
276.55																													s1	60	
276.55																													s2	0	
278.00	282.15	4.15		FZ																									vl		Fault zone with some gouge and broken pieces zones. A lot of veinlets perpendicular to s1.
278.00	279.10	1.10																											fg		gouge
280.40																													s1	30	
281.40	281.65	0.25																											ft		broken pieces.
282.00	282.10	0.10																											ft		broken pieces
282.00	283.40	1.40		QVN				wt			1	1				1								qz	vs	cl	cb		vl		25% QVN. Mixed with shales. < 1 cm wide veinlets
282.15	292.10	9.95		10b	nrm																										banded shales with silt bands(< 1 cm wide).
282.20																													vl	30	1 cm wide.
282.50																													vl	10	2 mm wide
283.30																													vn	70	4.5 cm wide
284.00																													vl	25	1.5 cm wide. Qz +Cb
284.60	285.10	0.50		QVN				wt			1	1				1								qz	vs	cl	cb		vl		Mixed with shales. Sheared. 30% QVN. Veinlets perpendicular to core
285.45	285.80	0.35		FZ																									vl		Fault with washing and a lot of veinlets, roughly perpendicular to core. Some brecciation.
285.50																													ft	60	Follwing s1
286.50											1	1				1													vn	60	6 cm wide. Semimassive with some shales inside (in the central part).
287.00																													s1	40	
287.00																													s2	30	OPPOSITE
288.30																													vn		Mixed with shales. 9 cm wide. Sheared. Following roughly s1
288.30	289.40	1.10																											vl	25	0.2-0.5 cm wide.
289.90																													fg		3 cm wide. Clays.

Depth			Rock Type					Colour			ALTERATION								Mineralisation												Structural Measurements		
											Alteration Intensity						Code		Sulphide					Veins									
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silicia	FEH (Hemitite)	FEM (Magnetite)	Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	COMMENTS
289.90	292.75	2.85																											vl		a lot of milimetric veinlets. mostly perpendicular to silt bands and others are following s1.
290.50																													s1	50	
291.00																													fa	85	
291.00																													s0	40	
291.00																													s0	40	OPPOSITE
291.75	292.10	0.35																											fg	40	some washing.
292.10	297.90	5.80		10b	nrm																										silt bands < 1 cm. >1 cm spaciated.
293.20																													s1	60	
293.85	294.00	0.15																											frz		broken pieces
294.20																													s1	60	
294.40	294.60	0.20																											frz		broken pieces
294.60																			py	5.00	eu	bl									euhedral < 1 cm size Py in a silt band (1.5 cm wide) some qz too.
295.50																													s1	50	
297.40											1	1				1													vn	70	shales in the center of the vein. 9 cm wide.
297.90	299.60	1.70																											ft		broken pieces + shales. Some washing. CORE LOSS
297.90	312.00	14.10	**FZ**																												
300.00	300.45	0.45																											ft		broken pieces and clays
301.85																													vl	60	sheared edges. 0.5 cm wide
302.00	302.30	0.30																											ft		broken pieces and clays
302.00	308.25	6.25		10b	big																										banded shales inside the fault wiht silt bands > 1 cm wide.
303.20																													vl	50	1 cm wide. Qz + Cb
303.50																													s1	50	
303.90	304.10	0.20																											ft		broken pieces and clays
304.25	308.15	3.90																											ft		broken pieces and clays
308.45	308.60	0.15																											ft		broken pieces.
309.00																													ft	25	fracture plane
309.40																													s1	45	
309.50	311.90	2.40																											ft		broken pieces and some clays
312.00	316.80	4.80	**10l**																												laminated shales a bit sheared
312.10																													s1	60	
314.60																													s1	30	
314.60																													s2	90	
315.00																													fg	40	3 cm wide clays. Following s1
315.10	316.00	0.90		QVN				wt			1	1				1								qz	vn	cb	cl				massive vein. Some milimetric shales inside. Sheared last and first 10 cm with a lot of Chlorite.
316.15																			cpy	0.10	bl	in							vl	40	0.5 cm wide. Qz+Cl. A couple of Cpy blebs infill
316.30																													vl	0	0.5 wide. Qz + Cb + Cl
316.40	316.65	0.25		QVN				wt			1	1				1								qz	vn	cb	cl				masive vein with some shearing in the edges of the vein.
316.80	328.80	12.00	**FZ**																										fg		a lot of clays and washing of shales. LOSS OF CORE.
316.80	317.30	0.50		QVN				wt			1	1				1								qz	vs	cb	cl				50% QVN. Broken inside the fault.
319.90	331.00	11.10		QVN				wt			1	1				1		2						qz	vs	cb	cl				25% QVN. mostly are fractured and washed
323.50	330.00	6.50																	py	1.00	in	bl	eu								sulphides in qz-veins. mostly in the fault zone. Massive veins with sheared edges.
323.50	330.00	6.50																	cpy	0.01	in	bl									
323.50	330.00	6.50																	sph	0.50	in	bl									
328.90																			py	20.00	in	bl							vn	80	1 cm wide with infill sulphides. Following s1
328.90																			sph	0.01	in	bl									
329.70																													vn	60	5 cm wide
330.00																			py	0.10	bl										some blebs 1 x 1 cm size related to silt bands.
330.00	334.00	4.00																											vl		milimetric veinlets perpendicular to core and some following s1
331.10																													s1	40	
336.50																			sph		bl	in									0.5 x 0.5 cm blebs of Sph infill qz-vein.
336.50																			py		bl	in									milimetric blebs of py infill qz-vein.
328.80	334.05	5.25	**10b**																												
334.05	339.20	5.15	**10sh**																												Sheared banded shales. Around 1 cm wide silt bands
334.60																													s0	80	
334.60																													s1	60	
334.60																													s2	0	
334.30																													vn		Semimassive vein. Sheared edges. Irregular. 2-5 cm wide.
336.45	339.30	2.85		QVN				wt	grl		1	1				1								qz	vs	cl	cb				Semimassive veins. Milimetric veinlets following s1 or dipping 40. Others are joining qz-veins.
338.60																													vn		Semimassive vein. 10 cm wide
339.15																													vn	60	massive vein. 3 cm wide. Following s1
338.20																													s1	50	
338.20																													s2	70	
337.10																													vl	40	
339.20	346.20	7.00	**10l**																py	0.10	eu	bl									some Py blebs of Py. 2 cm by 1 cm max size. Associated to silt bands.
340.20																													s0	20	
340.20																													s1	40	OPPOSITE
342.65	342.90	0.25		QVN				wt	grl		1	1				1								qz	vn	cl	cb				Mixed with shales. A lot of Chlorite. Following roughly s1.
344.50	345.15	0.65		QVN				wt	grl		1	1				1								qz	vs	cl	cb				Semimassive veins. 9 cm max wide. 3 veins separated 10-20 cm. Following s1.
345.30																													s0	75	
345.30																													s1	60	
345.30																													s2	0	
347.50	355.20	7.70		QVN				wt	grl		1	1				2			py	0.30	eu	bl	in	qz	vs	cl	cb				mostly veins mixed with shales. A lot of Chlorite. 30% QVN. Some shearing. Some milimetric crushed veinlets.
347.50	355.20	7.70																	cpy	0.01	bl	in									some sulphides as miliimetric blebs infill qz-veins and veinlets. As more shearing and crushing, more sulphides.
347.50	355.20	7.70																	sph	0.10	bl	in									
347.50	355.20	7.70																	gn	0.01	bl	in									
349.75																			py	30.00	eu	in							vn	25	Py vein. 0.5 to 1 cm wide.
351.50																													s1	85	
346.20	381.65	35.45	**10b**																py	0.01	bl	eu									banded shales. Bands are wider than shales. Some Py blebs, 1 cm by 1 cm size, in silt bands.
354.55	354.85	0.30																											ft		some washing and clays.
354.65	360.45	5.80		QVN				wt			1	1				1								qz	vs	cl	cb				massive and semimasssive veins. 25 cm max wide. 30% QVN. Some milimetric veinlets perpendicular to qz-veins.
359.10																													vl	50	
356.05																													s1	35	
358.20																													vn	45	semimassive. 9 cm wide
359.20	359.45	0.25																											vn	50	25 cm wide. Massive vein.
360.65																													s1	30	
360.50	365.40	4.90																											vl		some milimetric veinlets perpendicular to silt bands. From 362.40 to 362.60 m depth are abundant.
365.00																													s1	50	
367.00	368.60	1.60		10b	shr																										sheared banded shales.
367.40	368.60			QVN				wt	grl		1	1				2			py	0.10	in	eu		qz	vs	cl	cb		vn	40	30% QVN. Semimassive veins with a lot of Chlorite. 2 cm max wide. Following roughly s1
367.15																													s1	50	
367.15																													s2	30	
369.00																													s1	55	
369.60																													s0	25	
369.60																													s1	50	OPPOSITE
369.60																													s2	90	
370.00	372.00	2.00		QVN				wt	grl		1	1				2		1	py	0.01	in			qz	vs	cl	cb				mixed with shales.
370.00	372.00	2.00																	sph	0.01	in										
370.00	372.00	2.00																	gn	0.10	in										some gn blebs. Mm to 0.5 cm size at @371.75 infill in a qz-vein.
370.05																			py	60.00	in	bl	eu						vl	60	Py vein. 1.5 cm wide with big Py euhedral crystals (1 cm max size) following a qz-veinlet.
372.20																													s1	30	
372.80																			py	20.00	in	eu							vn		qz vein mixed with shales. 4 cm wide. Milimetric euhedral Py crystals.
371.80																													vn	15	Qz+Cl. 4 cm wide. Semimassive.

Depth			Rock Type					Colour			ALTERATION								Mineralisation												Structural Measurements		COMMENTS
											Alteration Intensity						Code		Sulphide					Veins									
From	To	Interval	Major Rock Code	Minor Rock Code	Main Modifier	Rock Forming Mineral 1	Rock Forming Mineral 2	Main Colour	Secondary Colour	Tertiary colour	Sericite	Carbonate Ankerite, Siderite	Silicia	FEH (Hemitite)	FEM (Magnetite)	Chlorite	Limonite	Talc	Sulphide Type	Sulphide %	Main Texture	Secondary Texture	Third Texture	Vein Mineralogy	Vein Type	Main Accessory Mineralogy	Secondary Accessory Mineralogy	Third Accessory Mineralogy	Structure / Contact	ACA	
371.90	375.30	3.40		10b	shr																											
373.70	374.90	1.20		QVN				wt	grl		1	1				1			py	1.00	in	eu		qz	vs	cl	cb		vl		veins mixed with shales and milimetric sheared qz-veinlets. 20% QVN. Py as blebs and euhedral crystals, following qz-veinlets.
374.15																			py	60.00	in	eu							vn	65	Py vein. Euhedral crystals 1 cm size, following qz-vein. 1 cm wide
374.60																			py	30.00	in	eu							vl	75	milimetric py euhedral crystals. 1 cm wide
374.45																			py	30.00	in	eu							vl	65	milimetric py euhedral crystals. 1 cm wide
373.20																													s1	35	Semimassive vein
375.50	375.80	0.30		QVN				wt	grl		1	1				1								qz	vn	cl	cb		vn	15	
377.90	378.10	0.20																											fg		
376.70																													s1	60	
376.20	376.45	0.25																											vl		2 veinlets. 1 cm wide. Sheared
377.20																													vl		sheared
377.20																													s1	40	
378.30																													s1	55	
379.80	380.30	0.50		QVN				wt			1	1				1								qz	vs	cl	cb		vn	20	several parallel veins and veinlets. Some shearing in edges. 2 cm max wide
379.80	380.30	0.50																											vl		
381.50	393.10	11.60		QVN				wt	grl		1	1				2		1	py	0.10	in	eu	bl	qz	vs	cl	cb		vl		Mixed with shales and some shearing. 25% QVN. Crushed and sheared veinlets.
381.50	393.10	11.60																	cpy	0.01	in	bl									milimetric blebs infill in qz-veins.
381.50	393.10	11.60																	sph	0.01	in	bl									milimetric blebs infill in qz-veins.
385.90																													s1	50	
388.90																													s1	20	
381.65	384.00	2.35	**14**		10b														py	0.10	bl	eu									Quartzites with some shales intercalated. <1 cm Py blebs
384.00	391.70	7.70	**10b**		shr																										Sheared banded shales.
391.70	431.50	39.80	**10sh**					gl											py	0.01	bl	eu							vl		sheared shales. Milimetric to 0.5 cm wide silt bands, cruhsed and sheared. Milimetric Crushed and sheared veinlets, following s1. some Py blebs in silt bands, around 1 cm size.
389.90																													s1	25	
390.50																													s0	20	
390.50																													s1	30	OPPOSITE
393.00																													s1	70	
393.00																													s2	40	OPPOSITE
396.40																													s1	30	
396.40																													s2	0	
398.10	399.00	0.90																	py	0.01	in								vl	60	Some qz-veinlets 1 cm wide. Some Py infill in veinlet.
398.80																													s1	70	
398.80																													s2	0	
399.70																													ft	55	Sinsedimentary fault.
400.30																													vl	60	Some milimetric crushed veinlets. 3 cm wide. Mixed with shales.
401.20																													s1	70	
401.20																													s2	0	
401.70																													vl	10	2 mm wide. Qz
401.70																													vl	20	OPPOSITE
402.50	404.85	2.35		QVN				wt	grl		1	1				2			py	0.01	in	eu		qz	vs	cl	cb		vl		Mixed wiht shales. 1 cm wide veinlets. A lot of Chlorite. 15% QVN. Following roughly s1.
402.50	404.85	2.35																	cpy	0.01	in										Only 1 mm blebs of cpy at @404.70 m depth infill in qz-veins.
402.60																													vl	10	0.5 cm wide
403.15																													vl	50	1 cm wide
403.70																													vn	80	mixed with shales. 4 cm wide
403.55																													s1	70	
403.55																													s2	20	
405.25	406.00	0.75																											ft		broken pieces and some gouge.
406.70																													s1	70	
406.70																													s2	0	
408.00	426.80	18.80		QVN				wt	grl		1	1				2								qz	vs	cl	cb		vl		sheared and crushed veins and veinlets. A lot of Chlorite. 10% QVN
409.00																													s0	30	
409.00																													s1	60	
409.00																													s2	0	
410.90																													s0	40	
410.90																													s1	40	OPPOSITE
413.90																													s1	40	
413.90																													s2	0	
417.70																													s0	40	
417.70																													s1	40	OPPOSITE
417.40	423.90	6.50																	py	1.00	in	eu	bl								some milimetric blebs of sulphides in crushed veins and veinlets. mostly in veinlets. mostly concentrated from 417.75 to 417.95 and from 421.15 to 421.75 m depth
417.40	423.90	6.50																	cpy	0.01	in	bl									
417.40	423.90	6.50																	sph	0.10	in	bl									
417.40	423.90	6.50																	po	0.10	in	bl									
423.50																													vn	60	11 cm wide. Mixed with shales and Chlorite.
423.50																													s1	40	
423.50																													s2	20	
423.30																													s1	50	
423.30																													s0	60	
423.30																													s0	30	
421.20																													s1	60	
424.60																													s1	80	
427.00																													s1	85	
427.00																													s2	50	
428.00																													s0	15	
428.00																													s1	50	
429.00																													vl	50	0.5 cm wide. Qz + Cb
429.85	430.00	0.15																											ft		broken pieces
430.30																													s1	75	
431.20																													s1	70	
431.20																													s2	0	
431.50	_	EOH	**EOH**																												EOH