DRILLHOLE SUMMARY FORM

PREDATOR GROUP

HOLE_ID:	AJ11- 27
PROJECT:	ANTIMONY MTN.
PROSPECT:	AJ VEIN
PROJECT CODE:	ANM
End Of Hole CODE	E. O. H.
LOGGED BY:	SHANE A. CARLOS
DATE:	October 27th, 2011.
DRILL TYPE:	KD1000
NAD83 UTM E:	637543
NAD83 UTM N:	7132170
GRID ID:	
GRID X:	
GRID Y:	
ELEV:	1367m
COLLAR DIP:	-55
GRID AZIMUTH:	
TRUE AZIMUTH:	332
PRECOLLAR LENGTH:	300m
TOTAL LENGTH:	300.23m
DH SURVEYED (Y/N):	Y
DH SURVEYED BY:	Shane Carlos
DH SURVEY TOOL:	EZ Shot
ORIENTED CORE:	Yes
TOOL TYPE:	Ez Shot

DRILL CONTRACTOR:	KLUANE DRILLING
DRILLER:	Marcello Giaccaglia / Adam Morrison

START DATE / TIME:	8 Sept. 2011 / 7pm
FINISH DATE / TIME:	13 Sept. 11. / 10am

DRILLHOLE SUMMARY (Slow drilling, etc)

FROM / TO:

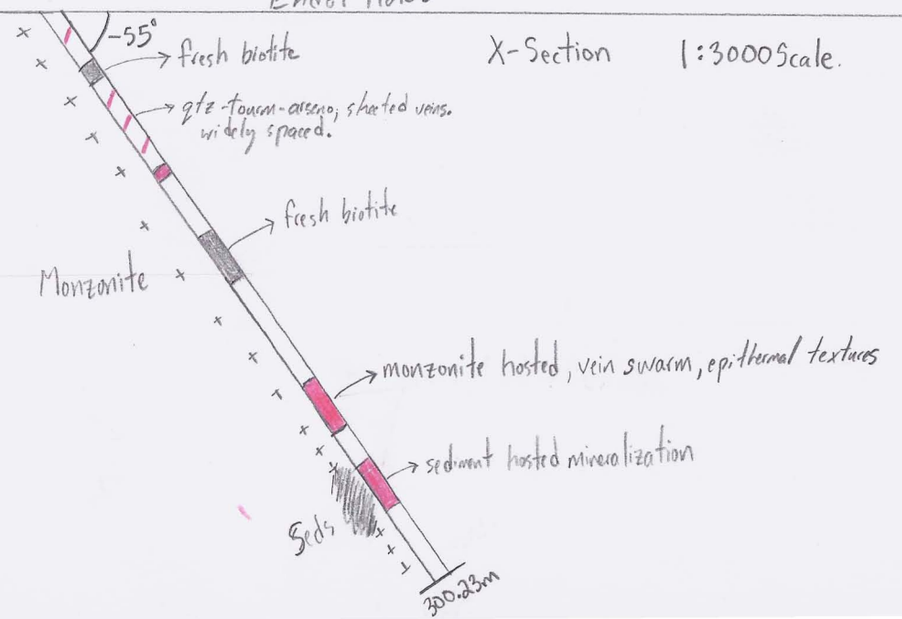
From 0 - 21.60m, overburden → boulder + sand field, with some arsenopyrite clasts. 21.60m - 87.33m, intense silicification, with sections of unaltered biotite monzonite. Veining is high temp. Qtz - Tourm. - Arsen. 87.33 - 95.47m, hornfelsed siltstones. 95.47m - 121.56m, intensely silic. monzonite (mafics are bleached), then weakly alt. biotite monzonite to 147m, then carbonatized, silicified, and moderately faulted monzonite to 198.30m. Characteristically different style of veining begins, in this interval as opposed to the qtz-tourm.-arsen. sheeted veins up-hole. @ 152.30m is first occurrence of colloform banded qtz-ankerite-v.f.g. arseno veining. 198.30m - 222.20m Intense qtz-ankerite-py-arseno. veining, in intense phyllic altered monzonite, ~16% veining, colloform banded ankerite, with trace arseno, pyrite and sphalerite. (30% veining within sub-interval 199.50m - 206.65).

CROSS SECTION:

222.20m - 238.15m, silic. + carbonatized monz., then intensely faulted silicified-mineralized siltstones to 264.76m, with ~2% sulfide (arseno-py-sphalerite). Including vein breccias, and replacement mineralization along bedding planes.

264.76m - 300.23m, silicified, carbonatized monzonite with patchy phyllic alteration + propyllitic - dark green chlorite.

End of Hole.



X-Section 1:3000 Scale.

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 19th, 2011.

PREDATOR GROUP

GRAPHIC		LITHOLOGY					MINERALIZATION				ALTERATION-1									ALTERATION-2							COMMENTS / DESCRIPTION
INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	
16			OVB																								0 - 21.60m Overburden, ~40% brown sand + soil / ~60% boulder size clasts of intrusive (syenite?) fresh + altered (silicified), and about 3 boulders of sediments → hornfelsed and in one case replaced by white-pink silica.
18																											
20																											@ 19.63m 6cm wide tourmaline-arsenopyrite vein in an 18cm monz. boulder.
			21.60																								21.60m – 30.76m Intrusive, intensely silicified + bleached.
22			MZT	FQ	FMG	WH	O	As	1	Po	1	Si	Per	3	S	2%	Qz	7										~25% biotite ± hornblende (bleached + alt.) before alt. as seen downhole. Plag. + K-spar., ~8% qtz grains. ≥ 50% qtz due to silicification.
24																											Po + green silicate hairline veins, ~1%
																											Tourmaline-arsenopyrite veins, ~2%
26	30°																										26.03m – 26.53m Black Tourmaline 30%, Arsenopyrite 30%, 40% grey sericitically alt. monzonite intrusive.
28																											
30'																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 21st, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	GRAPHIC / LITHOLOGY: MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	MINERALIZATION: SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALTERATION-1: ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALTERATION-2: ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
		MZT 30.76	EQ	FMG	WH	O	As	1	Po	1	Si	Per	3	S	2%	Qz	7										
31		MZT	MAG	FMG	GYD	O	Po	1																				30.76m – 32.63m, Same as 36.00m – 38.52m
		32.63																										
33	42°	MZT	EQ	FMG	GRG	O	As	3			PH	Pat	3	QS	-30%	SER	3	CC	2									32.63m – 36.00m Intrusive, green-grey, green alt. biotites + hornblende? Weak silicification? Tourmaline-sulphide-qtz veining 34.95 – 36.00m vein @ 20° t.c.a, ~40cm true width
35	20°																											
		36.00																										
		MZT	MAG	FMG	GYD	O	Po	1																				36.00m – 38.52m Intrusive, equigranular, fmg (1-4mm), salt + pepper appearance, ~5% fresh biotite, ~25% green-alt. mafics (biotite + some hornblende rare), Plagioclase, K-spar, ~1.5% Pyrrhotite. Weakly altered, Magnetic. Po in alt. biotites, rarely in feldspar matrix.
37																												
		38.52																										
39		MZT	EQ	FMG	WH	O	Po	1	As	1	Si	Per	3			Qz	7											38.52m – 57.60m Intrusive, white-bleached, silicified ~9% qtz grains, ~25% biotite – alt. to qtz, Plag + K-spar
41																												~1% Tourmaline – Single Arsenopyrite – Calcite vein, and Po-green-silicate hairline veins
																												Intensely silicified. ~50% qtz?
43																												
45																												

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INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
46		MZT	EQ	FMG	WH	O	Po	1	As	1	Si	Pec	3	S		Qz	7										45.30m - 46.02m Tourmaline - Arsenopyrite - Calcite (Bladed 3cm long) - white feldspar Vein, ~ 40% arseno.
25°																											
48																											
50																											
52																										~ 52.70m hairline Po + green silicate. replacement halos up to ~2cm wide. @ ~ 22° to ca
22°																											
54																										Rare calcite veins are oriented 180° to the apex of Po + Tourm-Ars. Veins. Represent a separate structural setting to the mineralized sheeted veins.
56																										57.85m - 57.93m Fault Gouge + Calcite veining, + orange iron oxide.
57.60																											
58		MZT	EQ	FMG	GY	1	Po	1	As	1	PH	Pat	2	QS				CC	2								57.60m - 62.06m Intrusive, grey-green diss. Po, Veins are white feldspar, qtz, tourmaline, sericite, + calcite ~ 2% calcite disseminated throughout matrix or replacing crystals, + in hairline veins ~ 1% Po disseminated ~ 1% arsenopyrite mostly within veins
47°																											
60																										Trace orange iron oxide along fractures.

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PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
		MZT	EQ	FMG	GY	1	Po	1	As	1	PH	Pat	2	QA	8%			SER	3								+ tourmaline.
61																											
45°		62.06																									
		VN			GBK	3	As	4			TCC	Per	3	TML	6			CC	4								62.06m - 63.15m Black Tourmaline 85%, 10% Arseno., 5% calcite vein + grey sericite
63		63.15																									
		MZT	EQ	FMG	GY	1																					63.15m - 65.94m Intrusive, same as 69.14m - 74.50m
65																											
		65.94																									
40°		MZT	EQ	FMG	OWH	3					PH	PAT	3	QA	20%	Qz				AR	PER	2			KLN	3	65.94m - 68.80m Veining + Fault Gouge + Monzanite → albite?
30°																								+	CC	4	White feldspar + grey sericite + calcite veins, ≤20cm wide + KLN + Qtz.
67																											
		68.80																									68.80-69.14m Fault Gouged Clay-Calcite Vein
30°		GG																									
69		69.14	EQ	FMG	GWH	0					Si	PER	3	Qz.						CB							69.14m - 74.50m Intrusive, equigranular, fine-med. grained (1-4mm)
		MZT																									g/white with green-grey bands of alteration → green silicate
71																											Also, ~6% g Qz-green silicate veining. 1cm-25cm wide veins.
73																											
		74.50																									
75		MZT	EQ	FMG	WH	0	Po	1			Si	Per	3			Qz	6										74.50m - 84.39m Intrusive, equigranular, fine-med grained, white

intensely silicified, mafics are bleached + silic Plag. + K-spar?

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 20th, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	GRAPHIC: LITHOLOGY	LITHOLOGY: ROCKCODE	LITHOLOGY: MODIFYCODE	LITHOLOGY: GRAIN_SIZE	LITHOLOGY: COLOR	LITHOLOGY: OXIDE_CODE	MINERALIZATION: SULF1	MINERALIZATION: SULF1_PCT CODE	MINERALIZATION: SULF2	MINERALIZATION: SULF2_PCT CODE	ALTERATION-1: ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALTERATION-2: ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
76																											
78																											~77m - 79.25m ~2% diss. blotches of v.f.g. grey-black mineral (Tourmaline?) with py-po
80																											
82																											83.17m - 84.39m ~2% diss. blotches of v.f.g. grey-black mineral with py-po. Tourmaline?
84	35°	84.39			GBK	0	AS	6			TML	PER	3	SU	100%	TML	6											84.39m - 85.63m Black Tourmaline - Arsenopyrite Vein, ~45% Arsen 50% tourm. ~5% Po + Calcite + Qtz. /with replacement textures of intrusive grains.
		VN																									
86		85.63																									85.63m - 87.33m Intrusive, equigranular, fine to med. grained (1-4mm), intensely silicified and bleached. ~20% mafics are completely bleached + silic. Abundant Plag., ~K-spar?
		MZT	EQ	FMG	GWH																						
		87.33																									
88	47° 65° 37°	Xhb	BED	FG	GBR		Po	2																			87.33m - 93.05m Biotite Hornfels Quartzite interbedded, >30cm bed size. Strongly silicified, grey-brown Hornfelsed siltstones, with ~2% pyrrhotite aligned along relict bedding planes. ~10% v.f.g. biotite ~10cm cryptocrystalline, milky white Qtz. replacement at the intrusive contact up-hole
90'																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 20th, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
91		Xhb	Bed	FG	GBR		Po	2																			87.33m – 88.29m Biotite Hornfels 88.29m – 88.69m Intrusive 88.69m – 89.14m Quartzite
93	30°	93.05																									
		Xq	EQ	FG	WH	O																					93.05m – 95.47m Quartzite? Sugary qtz. vein? ⅓ mm granular qtz., white to clear, with ~5% milky white feldspar grains. Lower contact pinches into a 'vein' into the intrusive.
95		95.47																									95.47m – 108.66m Intrusive – Monzonite? → Monzogabbro?
	34°	MZT	EQ	FMG	WGY	O	As	1			Si	Per	3	Qz.	5%	Qz.	6	Ser	2								grey-white, ~1mm – 5mm interlocking qtz, mostly feldspars. ~25% biotite + hornblende? → bleached + silicified.
97	45°																										~5% white qtz ± white sericite veins, ≤5cm wide, 34–45° t.c.a.
																											Trace arsenopyrite as disseminations within veins.
99	35°																										99.86 – 99.95m white qtz-sericite vein, 2cm wide
101																											
103	30°																										@ 103.34m 10cm Qtz.-Calcite-White Sericite-Arsen. Vein (Green) ~4% arsenopyrite
105'																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 23rd, 2011.

PREDATOR GROUP

INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
GRAPHIC			LITHOLOGY					MINERALIZATION				ALTERATION-1									ALTERATION-2								
106	40°		MZT	EQ	FMG	WGY	O	As	1			Si	Per	3	Qz	5%	Qz	6	Ser	2								@ 106.29 1.0cm wide white qtz. flooding, replacing interlocking intrusive crystals
108	50		108.66																									@ 108.66m 1.2cm wide, fine silica vein.
			MZT	EQ	FMG	WH	O	Po	1			Si	Per	3	QS	1.5%	Qz	7										108.66m — 121.56m Intrusive, equigranular, white, with ~1% green silicate + Po veins, 1-4mm grain size, ~20% biotite bleached + silicified. Plagioclase, albite twins visible
110																												~½% Pyrrhotite Total in veins only
112																												
114	30°																											
116																												116.78 - 117.20 Fresher Intrusive, ~25% mafics → biotite ~5% of which is unaltered, trace Po, dark grey
118	22°																											
120																												

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INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
18°		MZT	EQ	FNG	WH		Po	1			Si	Per	3	QS	1.5	Qz.	7										Qtz.-calcite vein @ 120.55,
121		121.56																									
			EQ	FNG	GYD	O	Po	1			Ch	Pat	2	CC	1%	CC	1										121.56m – 135.10m Intrusive, Monzonite - Monzogabbro?
123																											equigranular interlocking plagioclase, ~8% qtz., K-spar?, ~20% dark green alt. biotites (semihard though ~some chlorite), ~5% fresh brown biotite. Pyrrhotite, ≈1% replacing alt biotites and occassionally within the feldspar groundmass. Dark grey overall,
																											but with Salt & Pepper color scheme.
125		MZT																									Very competant rock.
																											~ <1% Pyrrhotite (Po) - Calcite veins
127																											
129	31°																										@ 129.21, 1.3cm Grey Calcite + Po vein, @ 31° t.c.a.
131																											
133																											
135																											

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INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
			MZT 135.70	EQ	FMG	GYD	0	Po	1																			
136			MZT	EQ	FMG	GY	0	Po	1			Si	Pat	2	QC	3%	Qz	3											135.70m – 140.21m Intrusive, equigranular, SsP texture, some feldspars are altered bright white hard mineral, ~qtz? probably
138																												qtz-calcite-Black Tourmaline, and calcite-Po-green silicate veins
																												@ 138.88m, 0.3cm, Po vein
																												@ 140.00m, 6.5cm, Tourm.-Qtz.-Calcite vein @ 12° t.c.a.
140	20°		140.21																									
			MZT	EQ	FMG	GYD	0	Po	1																			140.21m – 147.00m Intrusive, same as 121.56m – 135.70m relatively unaltered, other than the secondary Po + green altered biotites.
142																												
144																												
146																												
			147.00																									
			MZT	EQ	FMG	WH	0					Si	Pat	3	QCS	1%	Qz	5										147.00m – 150.48m Intrusive. equigranular, bleached white, intensely silicified,
148																												
																												149.83m With 1 qtz-carbonate ~5% diss. arsenopyrite-Tourm. vein, ~23° t.c.a., ~8cm wide.
150	23°																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October , 2011.

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20°		150.48																									
		MZT																									150.48m - 152.30m Intrusive, altered, pervasive calcite throughout matrix + within colloform banded fine qtz, yellow calcite, dark grey sulphidic carbonate bands.
50°			EQ	FMG	GRG	0	As	2			CB	PER	3	QCS	10%	CC	5										
		152.30																									
		GG	BX		OR	3					AR	PER	2	QCS	50%	KLN	5	CC	5								152.30m - 152.48 Fault Gouge, KLN + calcite, brecciated veins. ~45° to c.a. cont.
45°		152.48																									
			EQ	FMG	GYL	0					Si	Pat	3			Qz	5										152.48m - 157.30m Intrusive, equigranular interlocking crystals, matics are altered green → rd, fine to medium grained (1-4mm)
		MZT																									
15°		157.30																									
		GG			OGY	3					PR	PEP	2			CL	5										157.30m - 157.46m Fault Gouge, abundant light green chlorite stears with calcite-py-po vein at same orientation.
		157.46																									
			EQ	FMG	GYL	0					Si	PAT	2			Qz	4										157.46m - 165.34m Intrusive, same as 152.48m - 157.30m
		MZT																									

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 24th, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
		165.34																									
		GG			WH	0																					165.34m - 165.70m FAULT GOUGE, ~50° t.c.a.
50°		165.70																									
166		MZT	EQ	FMG	GRG	0					CB	PER	3			CC	3										165.70m - 167.10m Intrusive, green-grey, ~5% calcite replacement of crystals.
		167.10																									
		GG			GY	0					PR	PER	3			CL	7										167.10m - 167.49m FAULT GOUGE, ~55° t.c.a., chlorite stearing.
55°		167.49																									
168		MZT	EQ	FMG	GY	1	Po	1	As	1	PH	Pat	3	QCS	1	SER	5	Qz	5								167.49m - 178.51m Intrusive. green-grey-orange, equi-gran. (1-4mm crystal grains), abundant qtz - sericite ± chlorite with massive (rare) to disseminated Po throughout.
170																											Trace arsenopyrite. ~0.75% Patchy calcite replacement.
172																											169.22m 2cm wide colloform banded tan carbonate - white cryptocrystalline qtz vein, with trace black vf.g. sulphides.
174																											169.30 - 169.50m Massive Pyrrhotite replacement with dark green chlorite + some black Tourmaline.
176																											
178	10°																										
		178.51																									
		GG			OR	4										CL	6										178.51m - 178.70m Fault Gouge, orange iron oxidized, lots of greasy chlorite - orange-green.
		178.70																									
180		MZT	EQ	FMG	OR	3	Py	1			PH	PAT	2	QCS	0.5%	SER	3	Qz	3	CB	PER	2			CC	3	178.70m - 190.10m Intrusive, ~80% orange iron oxidized.

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 24th, 2011.

PREDATOR GROUP

INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
	40°			EQ	FMG	OR	3	P_y	1			PH	PAT	2	QCS	0.5%	SER	3	Qz.	3	CB	PER	2			CC	3	@ 179.60, 5cm wide colloform banded qtz-carbonate vein with trace blackish sulphides @ 60° t.c.a.
181			MZT																									180.40m - 180.48m Fault Gouge, orange oxidized, KLN.
183																												→ Phyllic alteration is patchy, but intense, with white sericite and silicification. Calcite is prevalent as disseminations pervading the alt. intrusive, up to 4-5%.
	25°		184.40																									Trace py. disseminations.
185			GG			OGY	3																					184.40m - 184.70m FAULT GOUGE, ~25° t.c.a.
			184.70	EQ	FMG	OGY	3					PH	Pat	2	QCS	0.5%	SER	3	Qz.	3	CB	PER	3			CC	6	184.70m - 192.52m Intrusive. intense calcite replacement of intrusive crystal grains, up to ≥50% calcite. with dark green chlorite.
187			MZT																									Tourmaline grains are present with sericite + silicification.
189																												189.75 - 189.80m Fault Gouge, grey,
	20°																											@ 191.00 - 4cm wide calcite vein, ~20° t.c.a.
191	20°																											
	25°		192.52																									
			GG			OR	4																					192.52m - 192.70m Fault Gouge.
193			192.70				1					CB					CC	6	Cc	4								192.70m - 197.32m Intrusive., same as 184.70m - 192.52m
195																												

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 23rd, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
196																											from ~196.80 - 197.32m
																											+ calcite ~ 4%
																											@ fault cont. is intense black chlorite, ~35° t.c.a fault
35°		197.32																									contact.
198		GG			GYL	0					AR	PER	3			KLN	7											197.32m - 198.30 Fault Gouge? Intense Kaolin alt., ~50% core rec.
																											~90-100% Kaolin, sticky clay, relict intrusive crystal texts evident.
		198.30			GYL	0					AR	PER	3			KLN	6											198.30m - 199.80m Intrusive.
55°		MZT																										
200		199.50	EQ	FMG	GRG	1	Py	1	SUL SP +As	1	PH	PER	3	QCS	34%	Qz	5	SER	5	AR	Per	2			KLN	4	199.50 - 206.65m Intrusive, equigranular, interlocking feldspar,
		MZT																+CC	3					+CL	2	~8% qtz, alt. mafics (~25%), green-grey, trace oxidation at
																											199.50m - 200.58m → Brecciated qtz-carbonate-pyrite vein @ 55°
202																											t.c.a. Trace orange iron oxidation.
																											~202.50m Brecciated Qtz.-Carb. veins
																											Alteration over interval is phyllic, with silicification and
																											fine green-white sericite flakes.
204																											203.40 - 204.61m ~90% WH. Qtz - Sericite
																											- Ankerite - Sulphide Vein, with ~1% sulph. dissemination.
75°																											~ Trace Py, trace SPHALERITE (red + black Jack),
																											trace arsenopyrite, ~50% white massive qtz.
206																											
75°		206.65																									
30°		MZT	EQ	FMG	YGRD	0	Py	1	SUL	1	PH	PER	3	QCS	11%	Qz	5	SER	5	AR	Per	2			KLN	4	206.65m - 214.20m Intrusive
208																		+CC	3					+CL	2	pyrite + arsenopyrite - sphalerite.
50°																											
210																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 23rd, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
GRAPHIC / STRUCTURE			LITHOLOGY				MINERALIZATION				ALTERATION-1									ALTERATION-2							
211	50°		EQ	FMG	YGRD	0	Py	1			PH	Per	3	QCS	11%	Qz	5	SER	3	AR	PER	2			KLN	4	Trace Pyrite, up to 4% in local 20cm whole core pieces, ~1% overal as disseminations.
213	45°	MZT																									
		214.20 GG			GRG	0					AR	PER	3			KLN	5										214.20 - 214.50 Fault Brecciated, qtz-carb. veins + KLN alt. Intrusive, ~35° t.c.a.
215		214.50 MZT	EQ	FMG	YGRD	0	Py	1			PH	Per	3	QCS	11%	Qz.	5	SER	3								214.50m - 222.20m, same as 206.65m - 214.20m
	36° 80°																										
217																											
219	35																										
221	75°	222.20 GG			GRG	0					AR	PER	3			KLN	5										222.20m - 222.50m Fault Gouge. KLN alt., ~20° t.c.a. green-grey.
	20°	222.5 MZT	EQ	FMG	GYD						Si	PER	1			Qz.	4			CB	Pat	2			CC	4	222.50m - 229.40m Intrusive. Equigranular, dark grey-green silicified, biotites are all altered to a green mineral → chlorite?
223																											
225																											

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 27th, 2011.

PREDATOR GROUP

INTERVAL (meters) / STRUCTURE	LITHOLOGY	ROCKCODE	GRAPHIC: MODIFYCODE	LITHOLOGY: GRAIN_SIZE	LITHOLOGY: COLOR	LITHOLOGY: OXIDE_CODE	MINERALIZATION: SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALTERATION-1: ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALTERATION-2: ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
226		MZT	EQ	FMG	GYD	O					Si	Per	1			Qz	4			CB	Pat	2			CC	4	
228																												
	25°																											
		229.40																										
		GG			GY	O					AR	Per	2	CC	2	KLN	4										229.40 – 229.90 Fault Gouge, clay altered, with calcite veins @ same orientation, ~25° t.c.a.
230		229.90																										
			EQ	FMG	GY	O					Si	Per	1			Qz	4			CB	Per	3			CC	b	229.90m – 235.10m Intrusive., same as 222.50–229.40m
		MZT																										
232																												Silicified with abundant diss. calcite, up to ~30%
234																												
		235.10																										
	10°	MZT	EQ	FMG	TA	O	Py	1			PH	Per	2	CC	5	SER	5	Qz	2								235.10–238.15m Intrusive.
236																												Lots of sericite, trace pyrite, patchy silicification. ~5% calcite veins @ ~10° t.c.a.
	75°																											
238		238.15																										
		GG	SA		GYD	O					AR	Pat	3			KLN	6	CL	6	Si	Pat	1	QC	3			238.15 – 240.52m Fault Gouge + Sand
240																												Argillically altered intrusive, contacts ~90% black chlorite alt. siltstone + sandstone, grading into 100% unconsolidated sand. ~15° t.c.a. up-hole contact., down-hole disintigrated other than 38° bedding plane. ~5% qtz-carb. vein 15cm long, floating in the fault.

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 27th, 2011.

PREDATOR GROUP

INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
240.52		38°																										
241			Xh	Bx	FG	GRAD	0	Py	1			Si	Pat	2	Qz.	20%	Qz.	6										240.52m – 242.80m Hornfelsed Siltstones, with siliceous interbeds due to silicification. Dark black green, brittle. Chlorite? → no, With zones of silicified sandy breccia, with <2cm sediment clasts, and intensely silic., white vein breccia. ~20%
242.80																												
243	?		GG	SA	FG	GYO	0	Py	1			Si	Pat	2			Qz.	1										242.80m – 245.60m Fault Gouge., with fragments of silicified siltstone that have graphitic slickensided shears, crossing bedding. The graphitic shears are parallel to core axis.
245																												
245.60																												~90% is fine to coarse sand. Fault cont. grade into broken rock.
247	?	Bed 15°	Sdt	Bed	FG	GY	0	Py	1	As	1	Si	Pat	2			Qz	4										245.60m – 248.40m Silicified, pyritized Siltstone with interbedded sandstone layers, 2cm and less beds. ≤ 1% Py, ≤ 1% Arsenopyrite, trace red sphalerite, all as very fine disseminations and along fractures. Abundant graphitic slickensided shear planes throughout, Highly fractured, incompetant rock.
248.40	?		GG	SA			0																					248.40m – 248.70m Fault gouge, sandy
249	?		Sdt	Bed	FG	TGY	0	AsPy	1	SP	1	Si	Pat	2			Qz	4			AR	Pat	2			KLN	4	
251		Bed 25°																										248.70m – 253.76m Interbedded Siltstones + Sandstones, possibly hornfelsed initially but silicification and clay alteration has overwhelmed the rock. Mineralized: ~1% diss. Arseno, ~2% diss. Py, Trace red sphalerite. Fine Sulphides are extremely fine grained. Silicifi. follows bedding planes, replacing them selectively. Py. does the same.
253		25°																										
253.76																												
254.36			GG				0																					~~253.76m – 254.36m~~ Fault Gouge, clay altered, x-cuts bedding planes in dark-green hornfelsed sediments.
255																												

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 27th, 2011.

PREDATOR GROUP

INTERVAL (meters) STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
		Sdt	BX	FG	TGY	0	Py	2	As	1	PH	PER	3	Qz	6%	Qz	7	SER	5								254.36m – 260.21m Siltstone. Brecciated → then sealed by silicification, Tan colour. Bedding - sub-parallel to perpendicular. Brecciated siltstone is healed by silicification. Disseminated to 1-3cm blebs of v.f.g. pyrite, ~2% Disseminated Arsenopyrite + Trace sphalerite, mostly only visible under the microscope.
15°																											259.08m – 259.75m Qtz. vein + massive silicification + massive green-white sericite halo, on down-hole side only. ~25° bedding control.
?		260.21 GG				0					AR	PER	3			KLN	5										260.21m – 260.71m Fault Gouge, clay alt., contacts are disintigrated
?		260.71 Sdt	BED	FG	GRD											CL	6										260.71m – 261.71m CHLORITE alt. Siltstones., dark green – black chlorite.
		261.71 VN			GWH	0	As	1			PH	PER	3	QS	80%	Qz	7	SER	7								261.71m – 264.26m Qtz-Sericite-Calcite Vein + Massive replacement of sedimentary beds. ~1% diss. blebs of arsenopyrite + Black Tourmaline.
~80°		264.26 GG									AR	PER	3			SER	7	KLN	2								264.26m – 264.63m Fault Gouge, ~70% sericite, ~2% KLN. apparently 80° contacts, but very disintigrated.
		264.63 MZI																									264.63m – 270.60m Intrusive. equigranular

256 258 260 262 264 266 268 270

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 27th, 2011.

PREDATOR GROUP

INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	GRAPHIC / LITHOLOGY: MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	MINERALIZATION: SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALTERATION-1: ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALTERATION-2: ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
270.6m																												
271			GG		FG	WH	O					AR	Per	2			SER	4	KLN	4								270.60m – 273.30m Fault Gouge, ground-up Intrusive. Sericite is present, ~~with~~ with KLN.
273																												
273.30																												
	20°		MZT	EQ	FMG	GY	O					Si	Pat	2	X	X	Qz	5			CB	PER	3			CC	6	273.30m – 285m Intrusive, equigranular, ~8% qtz grains, plagioclase, ~ K-spar?, ~25% biotite is altered to a green mineral → chlorite and then extensively replaced by calcite. Appears silicified.
275																												
277																												
279																												
281																												
283																												
285'																												

PROJECT: Antimony Mountain-AJ Vein HOLE_ID: AJ11-27 LOGGED BY: Shane Carlos DATE: October 27th, 2011.

PREDATOR GROUP

INTERVAL (meters)	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	COMMENTS / DESCRIPTION
GRAPHIC		LITHOLOGY						MINERALIZATION				ALTERATION-1									ALTERATION-2							
285	?		GG			GY	O																					285.00m - 285.40m Fault Gouge. Contacts are disintigrated.
			285.40																									
286	?		MZT	EQ	FMG	GRGD	O					PR	Pat	3			CL	6	CC	5								285.40m - 287.94m Intrusive. same as 273.30 - 285, except more abundant dark green chlorite, ~10% calcite.
	22°																											
			287.94																									
288			GG			GY	O					PH	PER	3	CC	1	SER	7	CC	1								287.94m - 288.70m Fault Gouge, massive grey-green sericite flecks
			288.70																									
			MZT	EQ	FMG	GRG	O					Si	Pat	1			Qtz	5			PR	Pat	2			CL	4	288.70m - 300.23m Intrusive. equigranular, green-grey.
290	20°																									CC	5	silicified, with propolytic shears, consiting of green chlorite + calcite.
																												288.70m - 290.30 PHYLLIC alteration. - with qtz-calcite - arsenopyrite vein. + Black radiating tourmaline crystals, euhedral
294																												@ 290.30m - 290.40m Black-green chlorite abruptly appears.
296																												
298																												
300																												

300.23m
End of Hole