2011 Rusty Drill Log

Hole ID	From (m)	To (m)	Lithology	Colour	Grain Size	Oxidation	Mineralization 1	Mineralization 1 (% code)	Mineralization 2	Mineralization 2 (% code)	Alteration	Alteration Form	Alteration Intensity	Veining	Veining (%)	Comments
RM11-001	0	7.6	SLT	GRD	FG	1										Casing
RM11-001	7.6	17.5	SLT	GRD	FG	0								QC	1	Oxidized dark green laminated siltstone. Blocky. Beds 1cm represented by color change. Cut by extensional qtz-carbonate veins with galena, some sphalerite and cpy (0.5/m). Some diagenetic py+cpy in matrix. Veins at medium angle 25-40° to bedding. Bedding around 80° TCA.
RM11-001	17.5	27.5	SLT	YTA	FG	3										Bleached, oxidized siltstone as above. MgO along erratic fractures. Abundant qtz gashes with sulfides (galena>>cpy). MgO dendritic and bleeding out along fractures. Appears MgO and qtz veinlets and gashes syngenetic.
RM11-001	27.5	46.5	SLT	YTA	FG	0								QZ	2	Locally bleached laminated siltstone. Cut by qtz-carbonate-galena-cpy veins generally 1-4 cm wide, some very fine veinlets. Cut by later dolomitic (often vuggy) veins. Galena veins appear to exploit soft-sedimentary features. Veins: 30 m: massive qtz-carb-galena vein. 43.2 m: irregular galena cut by carbonate and sphalerite
RM11-001	46.5	49	SLT	GR	FG	0										Siltstone with strongly fractured and disrupted bedding. Fractures hairline, around 5 mm apart, moton of around 1 cm. Strong qtz-carb-galena-cpy veins, up to almost 10 cm wide. Bedding folded and fractured.
RM11-001	49	82	SLT	GR	FG	0								QC	2	Green laminated siltstone as above. Veins are qtz extensional veinlets around 60-80° TCA and coarse vuggy carbonate veins. Moving downhole, vein boundaries are more regular and well defined (not brecciated or disrupted as 49 m upwards).
RM11-001	82	114	SLT	GRD	FG	0								QC	2	Laminated dark green siltstone, beds locally disrupted/offset by around 2 cm displacements. Cut by two distinct vein sets: 1) carbonate-qtz, milky beige, usually with an altered halo around 5 mm into rock (bleached). 30° TCA. 2) coarse qtz-carbonate, extenstional, with alternating light and dark qtz crystals and chalc, py, minor galena. 65° TCA. Set 1 cuts set 2. Locally bleached rock. Veins decrease 102-114.

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RM11-001	114	129.5	SLT	GYD	FG	0								QZ	2	114-115.8: strongly disrupted interval of massive siltstone. 115.8-128.02: gradational contact from green laminated siltstone uphole to dark grey finely laminated siltstone. Cut by irregular veinlets of quartz>carbonate 40 degrees tca and masive qtz veins along brecciated fractures and bedding planes. Some graphitic fractures. Minor cpy in veins. 129.5m: EOH
RM11-002	0	30.5	SLT	GR	FG	0								QC	1	Laminated green siltstone, weakly alterd (sub phyllite, soft). Cut by around 1 vein per m of extensional qtz-carbonate veins, generally parallel to bedding. Sulfides absent. Core unbleached. Fine veinlets with bleached halos absent. Bedding locally disrupted by fine, cm-scale fractures. Coarser veins locally folded into tight couples.
RM11-002	30.5	51.8	SLT	GR	FG	0	GA	1	CPY	1	PH	PAT	1	CC	1	Appearance of fine carbonate veinlets (1mm or so) with up to 2 mm halos of sericite-altered bleaching. Qtz-carb extensional veins faulted and offset by fine veinlets. Local galena and chalcopyrite in both vein sets (minor).
RM11-002	51.8	56	SLT	GRL	FG	0	GA	2	CPY	2	PH	PER	1	QC	1	Massive siltstone, beds deformed and disrupted, rock weakly brecciated with qtz-carbonate infill. Galena and chalcopyrite in fine irregular stringers, qtz-carb veins (minor, qtz carb breccia matrix and weakly disseminated in matrix. Core bleached.
RM11-002	56	73	SLT	GR	FG	0	CPY	1			PH	PAT	1	QC		Less deformed/better defined laminations siltstone as above. Few fine altering veinlets and around 0.5/m qtz carb veins. around 73 m: dolomitic brecciating veins appear. Weak cpy.
RM11-002	73	86	SLT	GR	FG	0	CPY	2						CCDO		
RM11-002	86	88.3	SLT	GRL	FG	0	GA	4	SPH	2	PH	PER	1	QC	10	Massive/disrupted siltstone with strong carb-dol-qtz brecciation. Vein matrix hosts clast of angular laminated siltstone. Matrix contains up to 30-50% galena and sphalerite locally. Mineralization irregular, forming a sponge texture in breccia matrix. Possibly infilled vugs.