Frontier Resources Detailed Drill Log

Hole Number		NC 59	Sheet No	1	Mineralisation / Alteration and a	

HOLE_ID	INTERVAL		ROCK CODES		Alteration summary				**Full description:** **including colour, main alteration** type and strength, **component minerals** (pref in order of abundance), **rock type, texture, alteration and mineralisation details**
	FROM (m)	TO (m)	Strat Code	Rock type	Primary Altn	2nd Altn	3rd Altn	Weathering	eg: pale green phyllic (moderate) quartz-feldspar phyric dacite porphyry, phenocrysts to 4mm, sericite (m) altered phenocrysts, silica (w) altered groundmass, pyrite(3-5%) as disseminations and minor veinlets
NC 59	0.00	3.90		SSAND	HORN	CALS		S	Lots of core loss. Oxidised and partially leached, coherent but heavily jointed. Some remaining textures of/and calc sil and biotite hornfels. Rubble and pug at 3.8??. Joints at 60, 70d TCA
NC 59	3.90	6.60		SSAND	HORN	CALS		W	Mixed brown biotite and cream, cream/brown calc sil, alt of a poorto well sorted medium+/- s/s. Confused wispy textures with abrupt or diffuse boundaries. Some zones maybe v lightly ox or leached. Pyrite in zones but generally decreasing DH to blotchy erratic disseminations. Ox increases in last 0.2m.
NC 59	6.60	10.85		SSAND				W	Increasing light orange/ yellow oxidised and leached, heavily jointed to rubbly. Remanent calc sil, biotite or textures in a medium +/- poor to well sorted s/s. pervasive blotchy, dendritic pyrite. At 8m, pug, fault??. Joints 25, 45d TCA
NC 59	10.85	12.70		SSAND	CALS	HORN		T	White to cream leached sand/s with calc silicates or there textures remaining. Abundant pyrite as blotches, dendrites and fracture fill. Heavily jointed to rubbly. Biotite increases from 12.5 as pyrite decreases.
NC 59	12.70	17.00		SSILT	HORN	CALS			Patchy and blotchy brown biotite ranging in intensity, intermixed with cream, cream/ brown calc silicates. Confused chaotic textures. 13.5, 14.7 zones of light brown/ cream laminated siltstones? Soft 30d TCA. Whole zone is heavily jointed to rubbly. Coarse biotite vein at 14.5. Pyrite begins at 15 as fracture fill and disseminations in more biotised areas to 17m.
NC 59	17.00	18.40		SSAND	SIL	HORN	CALS		Grey medium grained silicified sand/s with minor cream/ brown calc silicates and minor brown biotite pervading from fractures. Chlorite vein at 18.1, 45d TCA, 15mm thick. Qtz vein with pyrite in pug and minor moly in qtz at 17.6.
NC 59	18.40	23.00		SSAND	HORN	CALS		W	Zone of oxidation. Generally dark brown/ black on joints and fracture surfaces, biotite? Pervading out 10mm in each direction. In between orange oxidised minor leaching, sandy feel, not friable. Cream calc silicates or textures remain. Movement on joint surfaces at 19.5. joints 45, 80d TCA. Minor disseminated, blotchy pyrite. Towards bottom of zone ox becomes less abundant and grey sand/s with minor biotite begins to dominate
NC 59	23.00	26.20		SSAND	SIL	CALS			light grey silicified sand/s mixed with zones of cream calc silicates and brown biotite generally pervading out from fracture surfaces. Erratic. Minor tension veins at 23.7, 20mm wide, 45d TCA, contain pyrite and wolframite. Fine dissem moly? at 25.9
NC 59	26.20	30.00		SSILT	HORN	CALS	SKARN		Zone of mixed dark brown biotite hornfels, dark cream/ yellow calc silicates and actinolite, pyroxene? Skarn. Zones of dominant biotite alt may/ are carrying fine dissem pyrite, galena? Irregular diffuse boundaries and textures. Jointing at 80d TCA.
NC 59	30.00	30.70		SSILT	HORN	SKAR N			Dark brown/ black biotite hornfels, minor pyroxene? Contains finely disseminated pyrite, very minor galena and sphalerite? Pyrite may be blotchy with large euhedral crystals to 1.5mm. Gradational to…
NC 59	30.70	31.70		SSAND	SKARN	HORN	CALS		Pyroxene? Actinolite? Murky light green/ cream calc silicates and minor dark brown/ black biotite in a silicified sand/s. gradational to..
NC 59	31.70	32.10		SGRANSANI	HORN				Dark brown/ black biotite hornfels, minor pyroxene? Contains finely disseminated pyrite. Zones of coarse qtz grains.

HOLE_ID	Pyrite		Galena		Sphalerite		Biotite		Silica		Sericite		Chlorite		(Ca)CO3		Calc-Sil		Skarn		Magnetic		QVN	Other minerals / texture / colour							
	Sty/le	Amount %	Sty/le	Amount %	Sty/le	Amount %	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Sty/le	Amount (WMS)	Amount (WMS)	Mineral 1	Sty/le	Amount %	Mineral 2	Sty/le	Amount %	Broken (WMS)	Colour
NC 59																															
NC 59	D																														
NC 59	SP																														
NC 59	Den																														
NC 59																															
NC 59	Vn																							Mo	Vn						
NC 59																															
NC 59	Vn																							Wolf	Vn		Mo	Vn			
NC 59																															
NC 59	Eu																														
NC 59																															
NC 59	D																														

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NC 59	32.10	34.30		SSAND	HORN	CALS			Decreasing brown/ black biotite hornfels. Becoming dominated by brown biotite, cream to cream/ yellow calc silicates and grey sand/s. Chaotic textures and boundaries. Abundant disseminated and blebby pyrite. Coarse pyrite and pug at 34.
NC 59	34.30	35.10		SSILT	HORN	CALS			Mixed dark brown/ black biotite hornfels, brown/ cream calc silicates, actinolite? Disseminated blebby pyrite throughout. Gradational to..
NC 59	35.10	42.30		SSAND	SIL	HORN	CALS		Mixed zone, grey silicified sand/s, with minor to abundant cream to orange/ cream calc silicates and brown biotite alteration. Random textures and boundaries generally focused on fractures. Minor pyrite to locally abundant. Jointing 30d TCA
NC 59	42.30	42.50		SSILT					White laminated siltstone, soft. Laminations 60d TCA. Minor boudanaged qtz veins, slip along bedding plane?
NC 59	EOH								

HOLE_ID	Pyrite		Galena		Sphalerite		Biotite		Silica		Sericite		Chlorite		(Ca)CO3		Calc-Sil		Skarn		Magnetic		QVN	Other minerals / texture / colour							
	Style	Amount %	Style	Amount %	Style	Amount %	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Style	Amount (WMS)	Amount (WMS)	Mineral 1	Style	Amount %	Mineral 2	Style	Amount %	Broken (WMS)	Colour
NC 59	D																														
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