

Hole ID	BOC6	Project	Boco Siding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Strika	Date	22/11/2005

Depth	Lithology	Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
0			0-5.5m: <u>CORE LOSS</u>						
	NC	-							N.C
5			5.5-22.6m: <u>FSP PHYRIC FLOW BANDED DACITE</u> Light greenish grey to yellowish orange, weak to moderately flow banded, fsp phyric felsic lava & minor lava breccia. Composites scattered. Long phenocrysts, typically <1mm, in a weak - moderately flow banded, siliceous groundmass. Weak to locally moderate weathering, mainly as ferox staining on rock surface & vein selvage. Weak chlorite alteration & weak sericite alteration in matrix of breccia intervals.	dl (1)	-		dl-ferox (1)		
10	VFDA	1.9g/g - Y or	Broken core (typically 10 - 220 bpm). Gradational lower contact.	dl (1) Ser (1)	-		dl-ferox (1)		
15				dl (1) Ser (1)	-	177m - 180m 45m to 1.6m	dl-ferox (1)		
20				dl (1) Ser (1)	-				
	CFBR	gr gr	22.6-22.5: <u>FSP PHYRIC TONIC BRECCIA</u> . Greenish grey to green, massive sericite-chlorite altered. 23.5-24.5: <u>FSP PHYRIC FLOW BANDED DACITE</u> . Light grey to olive grey. Similar to dacite above.	Ser (1) dl (1)	-		dl-ferox		
25	VFDA	1.9g		Ser (1)	-				

Hole_ID	BOC6	Project	Boco Sliding
Hole_Type	DDH	Tenement No.	EL42000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	22 / 11 / 2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
25	Code VFDA Colour 1. gr.	23.5-26.5m. a.a. Siltstone, block core. Feos staining on fractures & veins. 26.5-40.5m. <u>Felsic Rhyolite Breccia &amp; Lava Breccia</u> . Olive grey to light grey massive, fsp pyrite rhyolite breccia &/or Dolite lava breccia. Composites elongated rhyolite & flow breccia fragile - dolite lava clasts in a fsp pyrite siltstone greenness/matrix. Fsp phenocrysts typically < 1mm. Rhyolite & lava clasts to 5cm. Attended zones of weak-moderate sericite/chlorite alteration & low silicification. Now weathered veins (low sericite/chlorite).	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
30	Code VFBA Colour olive grey	Generally 7.5 bpm. Rhyolite core 30.0-31.0m & 35.5m. Crockford lower contact.	ser-cl (1) sil (1)	-		dl (1)		
35	Code CFMF Colour 1. gr.	40.5-57.2m. <u>Felsic, Porphyritic Mass Flow</u> . Yellowish grey to greenish grey, massive, poorly sorted, porphyritic Dolite volcaniclastic mass flow. Composites subangular to subrounded clasts of siltstone Dolite volcanic, flow breccia rhyolite, fsp pyrite Dolite lava & chloritized porphyritic Dolite in a siltstone, sericite altered matrix. Clasts typically 1cm - 3cm but up to 10cm. 10cm silty band @ 48.3m. Sporadic trace sph as clustered blades assoc. with weathered veins & as small blades & veinlets assoc. with silty interval.	ser-cl (1) sil (1)	Sph: trace.		dl (1)		
40								
45	Code CFMF Colour gr. gr.		dl (1) ser (1)	Sph: trace.		plz (1)		
50			dl (1) ser (1)	Sph: trace.		plz (1)		

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Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	7 / 11 / 2005

Depth	Lithology	Colour	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
50			40.5-57.2m: <u>Felsic, Porphyritic Mass Flow</u> a.g. Generally > 5 b.p.m. Robby core @ 48.8 - 49.8m. Cradle level lower contact.	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
55	CEMF gr sl	Yell sl		chl (1) ser (1)	-				
60	VEDA gr sl	gr sl	57.2 - 64.7m: <u>ESP ETHIAC DACITE</u> Greenish grey, massive, esp phric dacite lens & lava breccia. Scattered to common esp phenocrysts (crin) in a sericite altered siliceous groundmass. More brecciated lower lens with porphyric lower contact. Weak blue banding 64.0 - 64.5m. Minor qtz-ds veining Trace wobbly sph toward lower contact. Trace PI on fracture surfaces.	ser (1)	-		qtz (1)		
65				ser (1)	qtz: trace PI: trace	64.1m. BD 60° to 100°	qtz-ds (1)		
70	SOSH dk sl	dk sl	66.7-67.1m: <u>CARBONACEOUS SHALE</u> Med-dk grey, massive carbonaceous shale. Weak foliation near base contact. Spindle like clests. Trace v.l.g. pyrite. 67.7-76.6m: <u>DACITE, DACITE TX &amp; BLU SHALE</u> Mixed interval of general grn sp phric. dacite, dacite breccia & blk shale. In general: i) dacite to 70.3m ii) minor sigmoidal dacite breccia to 73.0m & iii) blk shale with minor dacite like fragments to 76.6m. Trace wobbly sph near contacts & in bx.	ser (1)	PI: trace sph: trace				
75	VEDA VDBX SSSH	gr sl blk		ser (1)	PI: trace sph: tr.		qtz-ds (1)		







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Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
156	SEGW	149.6-150.7m. Foliated Lentic waste	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %	150.8m. BD 65° to 1ca	d (1)		
	SEGW	Yellow grey, moderately bluish poorly sorted, sericitic illite waste. 150.7-151m. Poorly sorted Lentic waste. Dark grey to blk, poorly sorted massive, polymineralic waste. Similar to 149-148m. Siliceous waste.						
155	VEDA	151.4-151.2m. FSP PHYRIC DACITE. Greenish grey to olive grey, massive, fsp phyric dacite lens. Abundant fsp phenocrysts, typically 1-2mm, in a siliceous groundmass. weak moderate sericite spalling. Glassy veins & veins with trace sph.	ser (1)	sph: trace		qtz (1)		
		157.2-203.3m. FSP PHYRIC DACITE						
160		Light olive grey to light greenish grey, massive, fsp phyric dacite lens & minor lens breccia. Comprises scattered fsp phenocrysts (~1mm) in a siliceous fsp groundmass. Weak sericite alteration. Minor intervals of flow banding @ 158m & 165.5m & 174.6m	ser (1)	sph: trace	161.0m. QV 68° to 1ca	qtz (1)		
165	VEDA	Minor fibrous qtz veining, 1/2-1m, sph, typically 70-80° to 1ca			165.5m. BD 35° to 1ca			
176		Trace sph as small irregular lites & assoc with qtz veining.	ser (1)	sph: trace		qtz (1)		
175		Minor silstone / porphyrite @ 173.6-173.8m	ser (1)	sph: trace		qtz (1)		

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Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
175	Code Colour	157.2-203.3m. <u>FSP PHYRIC DPECITE</u>	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %	175.3m - 203.3m 70° to lava			
180		Continued from above. Olive grey to light greenish grey, generally massive, light phytic deciduous lava & minor lava breccia. Scattered fine phengite in a stictous groundmass.	Ser (1)	Pl: trace		qtz (1)		
185		Minor flow banding @ 175-177m, 188.5, 196.8-197.4m. Lava breccia, inclusions @ 178.7m, 187.0-188.2m, 189.4-190.8m with blk silty (quartz?) matrix. Widely sericitic alteration.	Ser (1)	Pl: trace Sp: trace		qtz (1)		
190		Minor qtz & quartz veining. Rare trace sph + gr as small lites & small voids. Sporadic trace Pl on fracture surfaces.	Ser (1)	Pl: trace	188.3m - 203.3m 60° to lava	qtz (1)		
195		Generally > 5 b.p.m. Broken zones @ 178.5m, 182.5m,	Ser (1)	Pl: trace		qtz (1)		
200			Ser (1)	Pl: trace	198.4m - 203.3m 60° to lava	qtz (1)		

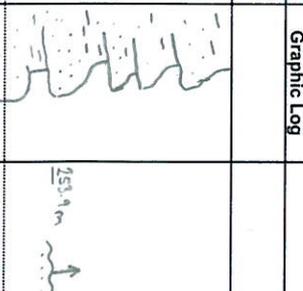
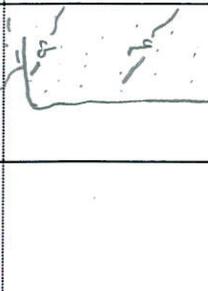
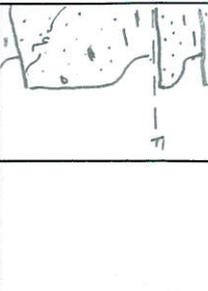
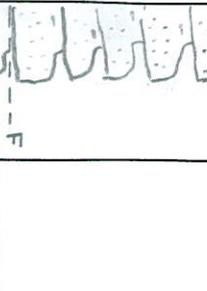
Hole ID	BOCS	Project	Boco Siding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	30/11/2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
200			Up to 3 codes w. Intensities (1-3)	Up to 3 codes with %				
	VFDA olive grey.	157.2-203.5m. <u>FSP THAVE DACTE.</u> a.c. olive grey, massive to sporadically blocky, sp phric decile lava & minor lava breccia.	Sec (1)	Pl: trace		qtz (1)		
205		203.5-209.6m. <u>DACTE BRECCIA.</u> Olive grey, massive to blocky, with sp phric, dacite breccia & minor hand-banded decile lava. Weakly sp phric to aphyric decile clasts (2mm-5cm), typically subangular, in a blk sst/ast matrix. Primarily dust-supported. Minor qtz veining & trace sph. Sharp lower contact.	Sec (1)	Sph: trace.	205.5m - 33 40° to 1c.a.	qtz (1)		
210		209.6-214.1m. <u>FSP THAVE DACTE.</u> Olive grey to greenish grey, massive, sp phric decile lava. Scattered sp phenocrysts, typically 1-2mm, in a silty/ast groundmass.	Sec (1)	Sph: trace		db-qtz (1)		
215		Weak spongy alteration & minor inclusions of weak spongy alteration.						
	VFDA sp sl olive sl	Tense sph as small blades & disseminations Minor db & qtz db veining. Tense sph in db vein @ 215.4m.	Sec (1) sl (1)	Sph: trace		db-qtz (1)		
225		Minor sph near lower contact. Sharp, irregular lower contact. See outcrop.	Sec (1)	Sph: <1%		db-qtz (1)		

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225	Code Colour	224.1 - 230.1m: SILTSTONE / SHALE	Up to 3 codes w intensities (1-3)	Up to 3 codes with %					
	SSS1 dk gy blk	Dark grey to black, laminated, siltstone - shale & minor lg sandstone. Laminae typically undulate to wavy. Disrupted / truncated by micro fractures. Minor (~1%) py as blebs, voids & dispersed disseminations. Disrupted lower contact.	-	py: 10% sph: trace	226.4m BE 45° to 1ca. 228.0m BE 10° to 1ca				SOUTHWELL SUBCRAMP
230		230.1 - 241.0m. <u>INTERBEDDED BLK SHALE &amp; MICACEOUS SDST</u>							230.1m ↓ ANIMAL Cx CRETACEOUS
		Medium grey to black, laminated to thinly bedded, interbedded siltstone, blk shale & f.g micaceous (fine sdst / geywacke) Generally, blk shale 60% siltstone 25% sdst / geywacke 15%	-	py: < 10% sph: trace. cpy: rare trace		qtz (2)			
235									
	SSSH SSS1 dk gy blk	Moderately broken core to 241m. Bedding contorted & disrupted to 240.0m. Larger qtz veins (to 10cm) @ 230.3, 231.0m & 233.0m.	-	sph: trace. py: < 10%	241.1m BE 60° to 1ca	qtz (1)			
240		Trace sph & rare cpy assoc with qtz veining							
		From ~240m, bedding more planar							
		Trace to minor py (< 1%) as voids (to 1cm) blebs & rare laminar	-	py: < 10%		qtz-eb (1)			
245									
		Circadational lower contact.	-	py < 10%	246.0m BE 70° to 1ca	qtz-cb (1)			
250		see over.							

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Depth	Lithology	Colour	Comments	Alteration Up to 3 codes w. Intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
255			249.0 - 249.3m. <u>INTERBEDDED</u> <u>NUCLEOUS</u> <u>GREYWACKE</u> & <u>SILT</u> Medium grey to dark grey, finely bedded to thickly bedded, $qz$ - m.g., $qtz$ -fsp. lilitic - mic. greywacke & interbedded siltstone. In general greywacke: siltstone ~ 70:30.	-	py: lens	253.1m 60° to 1ca BE	$qtz$ -cl (1)		
260			Greywacke beds vary in thickness from ~5m thickness to 4.5m. Typically 0.1 - 0.5m. Sporadic weak grading. Inclined within greywacke beds although several greywacke-siltstone cycles are evident, often with basal gneiss structures in greywacke beds indicating uphole facies.	-	-		$qtz$ -cb (1)		
265			Sporadic flattened mudstone/siltstone with clasts within thicker greywacke beds. Clasts to 1cm.	-	-	261.8m 65° to 1ca BE	$qtz$ -cb (1)		
270			Minor $qtz$ & $qtz$ -cb veins & vesicles.	-	-	266.8m, 0.05, gauge, 67°	$qtz$ -cl (1)		
275			Rare large pyrite, typically as blebs d/or ovoids in silt beds.	-	py: lens	273.8m 64° to 1ca BE	$qtz$ -cl (1)		

gauge, 60

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Geologist	Mick Skirka	Date	01/12/2005

Depth	Lithology	Colour	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
275			249.0 - 342.3m. <u>MICRINEOUS GNEISS</u> & <u>Mylonite</u>	-	-	277.5m BE 58° to 1ca	qtz-cb (1)		
280			Continued from above.  Medium grey, thin bedded to thick bedded, 1.9 - 7.9' qtz-fsp. ilicit-mica gneiss with minor: <u>Rebedded</u> dark grey sillstone. Gneiss: dist ~ 90:10 Weakly graded cycles from 0.5m - 4.0m.	-	-		qtz-cb (1)		
285			Minor qtz & qtz-cb veins & venticles.	-	-	285.8m BE 60° to 1ca	qtz-cb (1)		
290			SEGW m sl.  Very rare trace PI on <u>Fractures</u>	-	-		qtz-cb (1)		
295			Generally <u>compacted</u> core, 2-3 bpm.	-	-	293.4m BE 60° to 1ca	qtz-cb (1)		
300				-	-		qtz-cb (1)		

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Depth	Lithology		Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
	Code	Colour							
300									
305			<p>294.0 - 302.3m. <u>MICREOUS LITHIC GREYWACKE</u> Continued from above.</p> <p>Medium grey, thin-bedded to thick bedded, f.g - m.g. qtz-epi-lithic-micreous greywacke / siltst with minor interbedded dark grey siltstone.</p> <p>Bed thickness varies from &lt; 1cm to &gt; 3m. Sporadic larger lithic clasts (to 3cm) Broadly graded cycles, facing up/dn Proportion greywacke to siltst varies but overall ~ 90:10</p> <p>Minor to rare db &amp; qtz-ds veining No sulphides observed to 315m, then rare ovoid blks. Moderately broken core 305.0 - 307.0m, elsewhere generally competent with 2-5 bpm</p>			<p>304.3m BE 60° to 1.c.m</p>	qtz-ds (i)		
310						<p>310.0m BE 65° to 1.c.m</p>	qtz-ds (i)		
315							ds (i)		
320						<p>315.6m BE 58° to 1.c.m</p>	ds (i)		
325							ds (i)		

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Depth	Lithology	Colour	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
325				Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
330			249.0 - 342.3m: <u>MICACEOUS LENTIC GREYWACKE &amp; SILTSTONES</u> continued from above. Red grey, thin bedded to thick bedded, 1.5-2.0m. Fine-grained micaceous greywacke/silt with interbedded blk siltstone. GreYWacke: silt ~ 70:30 GreYWacke beds contain sporadic, larger (to 3cm), subangular to subrounded ilitic clasts, typically blk mudstone, increasing downhole. Weakly graded cycles typically 0.5 - 1.2m. Basal sedimentary structures indicate up-dip facing.	-	-	326.0m BE 50° to 1.0m	cb (1)		
335	SEGW n gy blk.		Very rare trace py. Broken core from 340.5m with minor cb & qtz-cb veining. Trace spy in vein @ 341.3m	-	py: trace	335.4m BE 60° to 1.0m	qtz-cb (1)		
340			Lower contact is 10cm sp. phytic. waste comprising fsp phenocrysts (around in a blk muddy matrix 1-2%) & bitbln pyrite. <u>LAMINATED SHALE</u> 341.3 - 352.3m Dark grey to black, laminated shale. Laminations/bedding highly contorted & disrupted, by small fractures.	-	spy: trace py: 1-2%		qtz-cb (1)		
345	SSSH dk gy blk.		Rare cb veins & voids. Trace pyrite or sporadic oxides (to 5mm), small blebs & in d veins.	-	py: trace	345.2m CV 60° to 1.0m	cb (1)		
350									

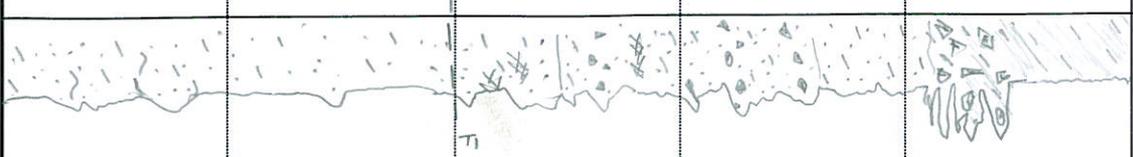
C.O.C  
349.0m

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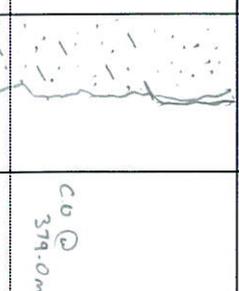
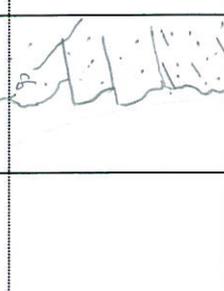
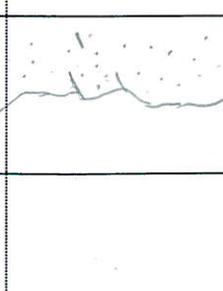
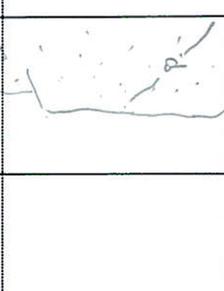
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350					Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
		SS4L	dk gr	342.3 - 352.3m. <u>Laminated SHALE</u>	-	PI: trace				
			blk	As above.						
		SS6W	blk fine grained	352.3 - 354.2m. <u>LITHIC WACKLE</u> Trace to dark grt, blk v. fine sandstone/shale with rounded elongate to angular, chlorite altered fsp pyrite druse clasts.	chlor (1)	PI: trace in blk clasts	352.5m 70° to 1ca	cb (1)		
				354.2 - 356.4m. <u>GRZ-LITHIC SAST</u>						
		SS5A		Dark grey, generally weakly bedded, fine grained, qtz-siltstone sandstone & siltstone. Minor c.g. feldspar or ash silt siltstone.	-	PI: trace				
				356.4 - 361.0m. <u>LITHIC WACKLE &amp; GRZ-LITHIC SAST</u>						
		SS5A	dk gr	Mixed sequence of dark grey to black, weakly bedded, moderately to poorly sorted qtz-fsp-siltite wacke & interbedded siltstone/shale & lg-mg qtz lithic silt. Minor beds/interbeds with angular fsp pyrite druse clasts in silty matrix.	-	PI: trace	357.2m. <u>BE</u> 60° to 1ca	qtz-cb (1)		
		SS6W	blk	Trace kiss pt. Rare minor qtz-d veining.						
				361.0 - 381.6m. <u>SILTSTONE &amp; INTERBEDDED FG SAST</u>						
				Dark grey to black, poorly bedded, v. lg sandstone/siltstone with interbedded lg-mg qtz-lithic mica sandstone/gneissite.		PI: trace				
				Siltstone: Sandstone ~ 85:15						
		SS51	dk gr	Bedding conoids highly irregular & conchoid.						
		SS5A	blk	Rare cb veins.		PI: trace				
				Trace pt as sporadic bubbly aggregates (to 1cm) & overalls.						
370										
375										

Broken core

365.0m: ?  
broken, ?  
Broken. 361-365m



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375				362.0-381.6m. <u>SILTSTONE &amp; MURCETOUS S&amp;ST</u>	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
360		SS51 - SS5A	ll dk gr	As above. Interbedded dark grey silt / v.f.g s&st, & f.g-m.g qz-litic-mica s&st. Bedding irregular & disturbed.	-	-		-		
305				381.6m - 400.0m: <u>MURCETOUS GNEISS &amp; SILTSTONE</u> Light grey to medium grey, medium to thick bedded, interbedded f.g-m.g qz-litic mica sandstone/gneiss & v.f.g sandstone/siltstone Sedimentary structures (scour marks) suggest up hole tacing. Bedding thickness varies from 1cm - 80cm, typically 10-20cm. Sporadic beds have weak grading indicating up hole facies.	-	-	387.0m: BE 5° to 10°	db (1)		
300		SS5A - SS5A	green	Bedding generally planar but contorted @ 297.0-297.2m. Minor db veins & veinlets	-	-		db (1)		
295				Sporadic pyrite as irregular ovoids & blubby aggregates from 295.0m.	-	tr pyrite	398.2m: BE 50° to 100°	db (1)		
400										

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Geologist	Mick Skirka	Date	10/12/2005

Depth	Lithology	Code	Colour	Comments	Alteration Up to 3 codes w/ intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log	
400				400.0 - 407.8m: <u>Micaceous Gneiss</u> . Medium grey, massive, fine-grained quartz-feldspar gneiss. No obvious grading. Trace of veins & vugs. No sulphides observed.	-	-		d (1)			
405	SEGW	grey		Sharp base contact.	-	-					
410				407.8 - 424.9m: <u>Micaceous Quartzite &amp; Siltstone</u> Medium grey, massive to weakly bedded, fine-grained quartzitic mica gneiss with minor interbedded fine-grained sandstone/siltstone. Generally gneissic; siltstone ~ 90:10.	-	-	407.8m: BE 50° to loca.	cb (1)			COG 412.0m.
415	SEGW	grey		Generally 1-2 b.p.m.	-	-					
420				Minor cb veining from 419.0m.	-	-		cb (1)			
				Broken core 418.0 - 423.3m.	-	-					
425				Rare trace of on surface from 418.0m.	-	sp: trace.	424.9m: BE 30° to loca.	cb (1)			

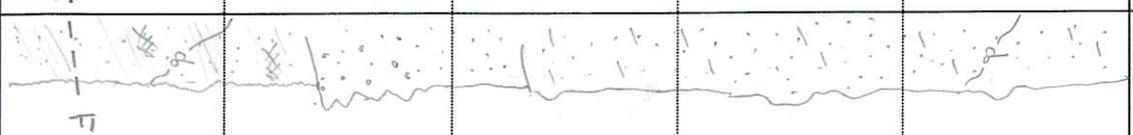
Hole ID	BOC6	Project	Boco Siding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	18/12/2005

Depth	Lithology	Code	Colour	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log	
425				424.9 - 438.0m: <u>ORTZ SDST of mafic COEWACITE</u>	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
430				Medium grey, moderately bedded, f.g. qtz silt/siltstone & interbedded f.g. - m.g. qtz-litic-mica gneiss. Similar to above but with higher proportion of f.g. sandstone.	-	-					
	SSSA SECW		grey	Bedding typically undulate & sporadically disturbed/coloured (eg. 432.4m). Minor cb veining.	-	Rare trace pyrite.	430.1m - BE 28° to 1° ea	cb (1)			
435				Rare trace pyrite @ 431.0m. Credoloidal lens covered.	-	-		cb (1)			
440				438.0 - 442.8m: <u>TUFFACEOUS SDST</u> Light bluish grey to medium grey, generally f.g. weakly bedded to massive, tuffaceous siltstone/sandstone, to tuffaceous silty wacke. Bedded tuffaceous silt becoming more massive downhole with scattered lap of lentic lenses.	silt (1)	-					
445				441.8 - 449.6m: <u>TUFFACEOUS SDST</u> Light grey to light olive grey, laminated to highly bedded, f.g. - v.f.g. silty, tuffaceous sandstone. In general coarsening downhole & becoming more massive. Weak - moderate silification. Moderately broken core with common brittle fracturing. Minor cb veins & small stringers.	silt (2)	-					
450											

COE  
439.0m

ANIMAL CK  
COEWACITE  
430.0m  
BLACK HAZARD  
DENS  
↓

Broken  
Core.  
438.3m  
0.1m, silty, f.g.





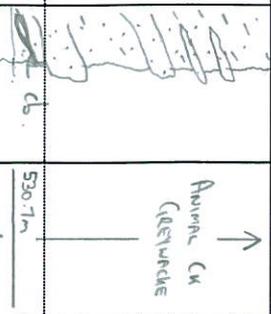
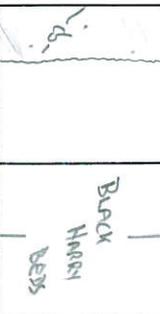
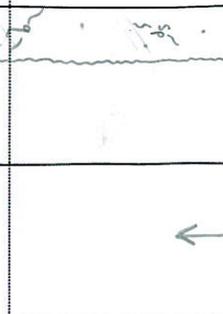
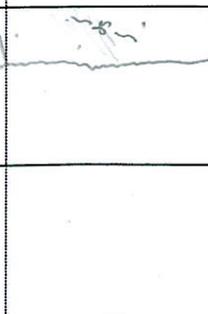
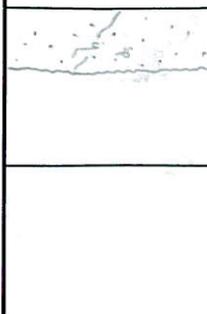
Hole_ID	BOC6	Project	Boco Siding
Hole_Type	DDH	Tenement No.	EL42000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	19/12/2005

Depth	Lithology	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log	
475	SEAW	448.4 - 484.75m <u>SLST &amp; MICACEOUS SDST</u>	-	tr: pyrite.					
480	SSSI SESA	Medium grey to dark grey, weakly laminated to medium bedded siltstone & f.g. micaceous sandstone/greywacke. SLST: silt ~ 65:35. In general silt intervals are semi-massive with interbedded silt beds varying from laminae (<5cm) to convoluted & irregular beds to medium bedded beds (to 50cm). Minor qtz & qtz-d veining. Trace pyrite as sporadic blcks & ovoids (to 1cm) Abrupt lower contact.	-	trace pyrite.		qtz-d (1)	476.3m, 0-0.5% qtz & d / 70% to 1cm		
485	SEAW	484.75 - 487.0m medium grey massive, f.g. m.g., qtz-litic-mica greywacke / sandstone. minor silt bed @ 485.7m. Rare ch veins. Rare trace div pt. Sharp lower contact.	-	rare trace pt.	485.8m DE 70° to 1cm	-			
490	SSSI SEAW	487.8 - 517.3m. <u>SLST &amp; MICACEOUS GREYWACKE.</u> Medium grey to light grey, laminated to medium bedded, interbedded silt & f.g. m.g. qtz-litic-mica greywacke / silt. Bedding varies from irregular / distorted laminae to semi-massive. Rare ch veins.	-	-		ch (1)			
495	SEAW	Rare trace pyrite as small blcks.	-	rare trace pyrite.		-			
500		2-5 b.p.m.	-	-		-			C.O. @ 499.0m.

Hole ID	BOC6	Project	Boco Sliding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	11/22/2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
S00	Code Colour		Up to 3 codes w intensities (1-3)	Up to 3 codes with %				
S05		487.8 - 517.3m Siltstone & micaceous calcarenite. As above. Medium grey to light grey, laminated to medium bedded, interbedded silt & lg-mg qtz-litic-mica gneiss.	-	Pl: base		qtz-cl (1)		
S10	S551 med gneif. S552V	Rare qtz-cl veins & veinlets. Trace pyrite as blebs & small, irregular bands (to 1cm) to S05.0m. Minor open doling (eg: S01.8m) & x-bedding (eg: S00.4m). Generally competent core with 1-3 b.p.m. Siltite grading & sed structures on some beds indicate chole facies.	-	-	510.1m - 552V 90° to 1ca	qtz-cl (1)		
S15			-	-				
S20		517.3 - 530.7m Siltstone & Volcaniclastic calcarenite Medium grey to olive grey, laminated to medium bedded, interbedded silt, qtz-mica gneiss & volcaniclastic siltic (?) wacke. Similar to above but with several distinct beds of interbedded vitric or sherd rich, matrix supported by volcaniclastic wacke. Rare thin (1cm) & veinlets	-	-	517.3m - 552V 48° to 1ca			
S25	S551 med gneif. CEGW olive grey.		S1 (1)	-		cb (1)		

Hole ID	BOC6	Project	Boco Sliding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Shirka	Date	19/12/2005

Depth	Lithology	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veinling	Faults	Graphic Log	
525	SSS1 - CEGW	grey.							
530		As above. Medium grey to olive grey, laminated to medium bedded, interbedded siltstone & qtz-siltstone. granular. Silt structures indicate ophole facies. Disrupted bedding @ 529.8m. Weak siltification. Rare db veinlets. 5m qtz-ds-siltite vein @ 530.5m.	Sil (1)	-	530.8m: BE 65° to 1 c.a	db (1)			Auriferous CH (GERTWACHE)
535		530.7 - 544.9m: <u>TUFFACEOUS SANDSTONE</u> . Light olive grey, weakly laminated to massive, siliceous, very fine grained volcanoclastic / tuffaceous sandstone / siltstone. Generally massive, weakly brecciated appearance with granitic laminated intervals, weak siltification, increasing from 535.0m. Brittle fracturing 535-541m. Minor qtz-db veinlets. Trace reddish-brown sph as small veinlets & assoc. with qtz-db veinlets.	Sil (1)	Pl: trace Sph: trace		qtz-db (1)			BACK HORN BEDS
540	SSS1	l. olive grey.	Sil (1)	Sph: trace		qtz-db (1)			
545		Cpy + Pl blks assoc. with qtz veining @ 541.5m, 541.8m. Cardinal lower contact.	Sil (1)	Sph: rare trace. Cpy/Pl: trace.	542.3m: BE 80° to 1 c.a	qtz-db (1)			
550	SSA	1. grey.	Sil (2)	Sph: trace arsenopyrite: trace		qtz-db (1)			

C.O.C  
529.0m

Hole_ID	BOC6	Project	Boco Sliding
Hole_Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	19/12/2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
S50	Code Colour		Up to 3 codes w/ Intensities (1-3)	Up to 3 codes with %				
		544.9-566.9m: <u>TUFFACEOUS SANDSTONE</u>	Sil (2)	Sph: trace	SS2.4m 80° to 1ca	qlz-cb (1)		
		As above. Light greenish grey to light grey, weakly laminated to massive, f.g. volcaniclastic / tuffaceous sandstone. Moderate silicification, locally intense.						
S55		Common brittle fracturing. Minor qlz-cb veining. Trace sph as small veinlets & sporadic blebs.	Sil (2)	Sph: trace		qlz-cb (1)		
S60	CSGA 1.91 1.91	Larger qlz vein 561.8 - 562.0m						
S65		Cardinal lower contact.	Sil (2)	Sph: trace		qlz-cb (1)		
S70	CFSA gr sl - olive grey	566.9-570.5m: <u>VOLCANIClastic SANDSTONE</u> Cemented grey to olive grey, massive, f.g.-m.g. felsic volcaniclastic sandstone. Weak-moderate silicification & ser-chlorite alteration. Comprising qlz, fsp & biotite/dl altered illite (clay?), i.e. a <u>sericite</u> altered zone. Brecciated lower contact.	Sil (2) ser-dl (1)	Sph: trace		qlz-cb (1)		
S75	SEGM VFXX 1.04 grey	570.5-574.0m: <u>SILICEOUS, Ser-CHL ALTERED Rock</u> Light olive grey, massive, siliceous, sericite-chlorite altered rock. Possibly a spanditic ser-dl altered felsic lens? Minor to common cb veins & stringers. Sheared lower contact. 574.0-574.6m: <u>QTZ-LITHIC GRENWACHE</u> Olive grey m.g.-c.g. <u>qtz-illite granulite</u>	Sil (1) ser-dl (1)	-		cb (2)		

Hole ID	BOC6	Project	Boco Siding
Hole Type	DDH	Terment No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	19/12/2005

Depth	Lithology	Code	Colour	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
575				574.6 - 579.95m: Siltstone & Qtz Sandst.	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
				Med-dark grey, laminated to medium bedded, siltstone to f.g. qtz sandstone. Several weakly graded siltst. Minor qtz-dc veining. Minor pl as disseminations & sporadic ooids	-	py: ~10%	576.6m. BE 80 to 1cm.	qtz-d (1)		
580				Weak silicification near lower, sharp to contact						
				579.45 - 581.2m: Qtz-Lentic Micas Flow. Greenish grey to green, weakly bedded, poorly sorted, c.g. qtz-litic-quartzaceous sandstone / sandstone/grt. Interbedded f.g. volcaniclastic siltst.	ser-d1 (1)					
				581.2 - 586.8m: Turfaceous Sandstone						
				Light greenish grey to light olive grey, massive, f.g. siliceous volcaniclastic / siliceous sandstone.	Sil (1)	spn: ~1%		qtz (1)		
				Generally massive appearance with rare red-dk laminae.						
				Minor brittle fracturing, typically 3-8 b.p.m.						
				Minor qtz veinlets.	Sil (1)	spn: trace		qtz (1)		
				Weak to moderate silicification.						
590				Minor c.g. v.c.g. lentic washes @ 585.0 - 585.5m						
				Minor sph (<1%) as veinlets & small blobs / disseminations.						
				Sharp, unconformable, irregular lower contact.	Sil (1)	spn: <1%	594.8m: BE 78 to 1cm.	qtz (1)		
595				598.8m						
				laminated siltst.	Sil (1)	spn: <1%		qtz (1)		
				double ↓						
				Minor volcaniclastic sandstones.						
				Mixed interval of fine-grained siltst. & volcanic siltst. & c.g. v.c.g. qtz-litic-grt. Minor qtz veining.						
600				598.8 - 601.7m. Mixed interval of fine-grained siltst. & volcanic siltst. & c.g. v.c.g. qtz-litic-grt. Minor qtz veining.						
				600						

Hole ID	BOCS	Project	Boco Sliding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Strika	Date	19/11/2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
600	CESA	600-601m 1.9g gr.	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
	CESA	598.8 - 601.7m Mixed volcaniclastic sandstones above trace-sph/pt as disc, clustered disc (laminated) & veins. Several tabular beds, some with erosional bases. 601.7 - 605.6m ALTERED FELSIC LAYER OR CRISTAL SANDSTONE Olive grey massive to fine grained, sericite-chlorite altered rock. Possibly an altered epithermal vein, but with pseudo crystalline texture. Sporadic lenticular altered phenocrysts / clasts (Quartz) weak-moderate ser-cil alteration. Minor disc of quartz veins.	c:1 (1)	Sph: < 1% P/PV: trace		qtz (1) cb (1)		
605	CESA or VESX (?)	605.6 - 612.3m GRADED Polymer XSPH Sph TO TUFFACEOUS Sph General grey to medium grey, laminated to medium bedded, gradal cycles from c:1 - v:1 gr. qtz-litic volcaniclastic sandstone to v:1 g. tuffaceous sandstone. Rapidly pinning spale. Ground erosional bases. Minor qtz & qtz-veins & veins. Minor sph (1-2%) as small bluffs & disc in c:1 graded bed & veins in tuffaceous beds. Trace-minor P/PV. Weak sericite alteration. Storage, irregular lower contd.	ser (1)	Sph: 1-2% P/PV: trace	609.3m BE 50° to 1ca	cb (1) qtz (1)		
610	CESA	612.3 - 616.5m Laminated sandstone & sandstone Dark grey to medium grey, well laminated, siltstone & v:1 g. tuffaceous sandstone. Minor thin ch veins. Tr P/PV as disc, siltstone & quartz. Trace sph as veins.	-	Py: ~1% Sph: trace	618.3m BE 40° to 1ca	cb (1)		
615	SSS1	616.5 - 635.8m Non-conformatic Sandstone Light greenish grey to light grey to medium grey, weakly bedded to massive, f:1 - v:1 g. siltaceous, volcaniclastic / tuffaceous sandstone. Laminated 1. 620.2m then generally massive. F:1 - m:1 g. qtz-sph pyrite greywacke @ 620.2 - 621.1m. F:1 pyrite what silt @ 623-624m. Weak siltification. Weak sericite alteration in coarser bed. Moderately broken 622-623m. Minor ch veins & stringers. Trace sph as veins & veils.	Sil (1) S: (1)	Sph: trace		cb (1)		
620	SSS1							
625	SSS1							

Hole ID	BOC6	Project	Boco Siding
Hole Type	DDH	Tenement No.	EL4/2000
Year	2005	Prospect	Sawmill Creek
Geologist	Mick Skirka	Date	20/12/2005

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
625		465-635.0m <u>Volcaniclastic Sandstone</u> As above.	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
630	CSSA 1.5g	Light greenish grey to light grey, generally massive, lg to v.lg siliceous, volcaniclastic sandstone. Weak to locally moderate silicification. Minor to locally common qtz veins & stringers.	Sil (1)	sph ~ 1%		qtz (1)		
635		Minor sph as veins & veils. Sporadic chl asse. with some qtz veins. Generally compact core: 2-5 ppm. Cradlehead lower contact.	Sil (1) ser-dll (1)	sph ~ 1%		qtz (1)		
640	CSA CEMF 1.5g	635-8 - 646.0m. <u>GRADED FSP Pyritic Mass Flow</u> Light grey, massive, broadly graded, m.g. - v.c. graded, l.p. pyritic, lithic sandstone to mass flow. Abundant fsp xstls (typically < 1mm, increasing to 1-2mm downhole), & subrounded to subangular lithic clasts (typically < 5mm, increasing to 1-4cm downhole). Rare qtz-sph veins. Minor py/po as blebs/diss. Minor sph (< 1%) in veins/veinlets & as blebs & disseminations. In addition to sp/lithic clasts.	-	py/po: trace sph: < 1%		qtz-sph (1)		
645		446.0 - 650.0m Med gr to yellowish green, laminated to weakly bedded, v.lg to siliceous sandstone to mg-cgr sp-gr pyritic nodularly ser-dll altered volcaniclastic crystal sand. Trace bass sph.	ser-dll (2)	sph: tr	446.1m - NE 450.1m - E.A.	-		
650	CESA 1.5g							

