

Hole ID	SCS5	Project Sock Creek
Hole Type	DDH	Tenement No. 30/2000
Year	2006	Prospect Sock Creek South
Geologist	Mick Skirka	Date 12/2/06

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
75								
80		53.4-89.1m <u>AMYGDALOIDAL BASALT</u> As above. Green to greenish grey massive, weakly chlorite altered amygdaloidal basalt or basaltic andesite. Amygdales typically 2mm-10mm, calcite filled, some qtz filled. Less abundant than above. Sporadic large (to 10cm) cb tr-ser-chl stringer veins, often with bleached selvages. Minor irregular cb veins & stringers Trace po tr-cpy assoc with cl veining Cradational lower contact.	chl (1)	pl: rare tr.		cb (1)		
85	gr VMBA		chl (1)	po: trace.		cb (1)		
90		89.1-105.6m <u>PARAGENETIC FIBROBLASTIC BASALT</u> Moderate green, massive, weakly chlorite altered pyroxene-bio phric basaltic andesite or basalt. Weakly amygdaloidal. Similar to above but without abundant amygdales & with prominent scattered blk (pyroxene?) matrix phenocrysts, typically 0.5mm-1mm & small (<0.5mm) blk phenocrysts. Minor to rare cb veins & veinlets.	chl (1)	po: 1/6 cpy: trace.	B6.5m CbV 70° to 1ca.	cb (1)		
95	gr VMBA		chl (1)	pl: trace		cb (1)		
100			chl (1)	pl: trace cpy: rare trace		cb (1)		

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

6/21

Hole ID: SCS5
 Hole Type: DDH
 Year: 2006
 Geologist: Mick Skirka

Project Sock Creek
 Tenement No. 30/2000
 Prospect Sock Creek South
 Date: 13/2/06

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
125		1253-1256m FELSIC MASS FLOW Greenish grey, massive, variably altered, poorly sorted felsic mass flow to felsic volcanic breccia. Similar to unit above 124.7m.	S1 ser-d1	sph: trace		qtz (1)		
130	CFMF g st sh	Comprises large phytic volcanic clasts, variably altered & ser-d1 altered with a siliceous & variably phytic matrix/groundmass. Minor qtz veins. Trace sph as sporadic small blobs & disseminations.	ser-d1	sph: trace	DJ.5m VN 15° to 1.c.a	qtz (1)		
135		135.6-147.25m GRADED VOLC. SLST - MASSFLOW Three graded cycles of med grey to greenish grey, massive to weakly bedded, rounded, c.9 volcaniclastic mass flow to g volc slst to slst. Coarse grained bases comprise angular to subangular, large phytic felsic volc. fragments (1cm-5cm) which grade rapidly to fine grained phytic volc slst & blk slst/shale.	-	Pl: 2-3% Sph: <1%		qtz (1)		
140	CFMF g st g st SSS1 blk.	Minor Pl (2-3%) as blobs & disseminations. Trace - minor sph (2 pl.) as sporadic small blobs & clustered diss. Large qtz vein broken zone 142.6-143.1m.	-	Pl: 2-3% Sph: <1%	144.5m BE 72° to 1.c.a	qtz (1) cb (1)		
145		147.25-153.5m BASALT Moderate gr - greenish grey, massive, weakly chlorite altered, variably amygdaloidal, basalt.	chl (1)	-		cb (1)		
150	VMSB g st g st							

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

7/21

Hole ID	SCS5	Project	Sock Creek
Hole Type	DDH	Tenement No.	30/2000
Year	2008	Prospect	Sock Creek South
Geologist	Mick Skirka	Date	13/2/06

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
150		147.25 - 153.5m. BASALT as above. Amygdolite calcite & qtz filled trace pits w sporadic small blebs & fiss. Highly irregular lower contact.	dl (1)	Pl: trace		cb (1)		
155	VMBA	153.5 - 166.7m VOLC. SDST TO LITHIC WACKE Green to greyish grey, weakly bedded to massup, partly sorted to moderately sorted, lithic rich volcaniclastic sdst - conglomerate. Variably graded with some reverse grading @ 158.2m. Generally, matrix s (fine to coarse) subangular. Pl: clasts typical. 5mm - 2cm. In a moderately coarse altered matrix.	ser (2)		158.2m BE 85% to 1cm	qtz (1)		
160	CEEA	Minor 'cherty' tubular bands (<1cm). Specific qtz veins (to 5cm).	ser (2)		164.5m BE 85% to 1cm	qtz (1)		
165	CEAW	Moderately competent core (2-5.5cm) dense, altered lower contact.						
170	VEER	167 - 172 cm DACTYLITE ZONE Dark greenish grey matrix, 10-15% dark calcite breccia. In some fill beds clasts with large plagioclase (1-2mm).	q-ser (1)	Pl: trace		cb (1)		
		Weak qtz-ser alteration & minor mineral & weak diffuse dark alteration.	dl (1)					
		172.0 - 178.0 cm DACTYLITE						
		Red quartz veins, massive to flow banded, 10-15% dark calcite or dyke-like.	ser (1)					
175	VF20							

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

8/21

Hole_ID	SCS5	Project Sock Creek
Hole_Type	DDH	Tenement No. 30/2000
Year	2006	Prospect Sock Creek South
Geologist	Mick Skirka	Date 14/2/06

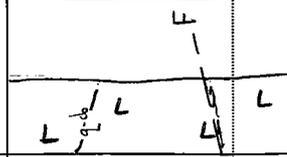
Depth	Lithology		Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code	Colour						
175			Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
		175.0 - 180.0m FSP PARAC DACTE				cb (1)		
		Greenish grey, massive to blocky breccia, high phreatic ductile or blocky lava. Highly fractured & deformed. Typical deep phenocrysts, typically 0.5mm - 2mm.	ser-d (1)	-		cb (1)		
180					180.0m - 185.0m 60 to 100 185.0m - 190.0m 70 to 100	cb (1) qtz (1)		
		Matrix of veins & stringers & sporadic pieces of vein. Flow breccia, typically 60-70% to lava.	ser-d (1) cb (1)	-		cb (1)		
185						cb (1)		
		VEFA gr. sh				cb (1)		
		No sulphides observed.	ser-d (1)	-		cb (1)		
		Comphal. cov. 1-3 b.p.m.				cb (1)		
190						cb (1)		
						cb (1)		
195					195.0m - 200.0m 60 to 100	cb (1) qtz (1)		
						cb (1)		
		Greenstone lower section.	ser-d (1) cb (1)	-		cb (1)		
200						cb (1) qtz (1)		
		195.0m - 200.0m FSP PARAC DACTE	alb (1) ksp (1)	-		cb (1) qtz (1)		
		Reddish orange massive to blocky breccia, typical deep phenocrysts, typically 0.5mm - 2mm.				cb (1) qtz (1)		

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

11/21

Hole ID	SCS5	Project Sock Creek
Hole Type	DDH	Tenement No. 30/2000
Year	2006	Prospect Sock Creek South
Geologist	Mick Skirka	Date 14/12/06

Depth	Lithology		Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code	Colour						
250			Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
255		234.0m - F50 PANHIC DACITE LAMP As above. Small fault @ 254.5m with vein of qtz var	Ser (1)	-	256.8m BD 72° to 1.c.c.	qtz-ds(1)	254.5m, 0.1m. qtz/vein, 70°	
260			Ser (1)	-		qtz-ds(1)		
265	VFSA gr gy.	Greenish grey, weakly flow banded to massive, weakly sericite altered, fsp phric dacite or dyodacite lava. Prominent ltp phenocrysts, typically 0.5mm-2mm in a siliceous, weakly sericite altered groundmass. Minor qtz d qtz-ds veins, typically planar & oriented 70-80° to 1.c.c. Minor irregular ds veins.	Ser (1)	-	265.4m: BD 70° to 1.c.c.	qtz-ds(1)		
270			Ser (1)	-	269.5m. Q-d.W 85° to 1.c.c.	qtz-ds(1)		
275		Generally 2-4 50m	Ser (1)	-		qtz-ds(1)		

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

12/21

Hole ID	SCS5	Project	Sock Creek
Hole Type	DDH	Tenement No.	30/2000
Year	2006	Prospect	Sock Creek South
Geologist	Mick Skirka	Date	14/2/06

Depth	Lithology	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
275	Code Colour	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
	234.0 - 306.5m FSP PHYRIC DACITE LAVA	Ser. (1)	-	176.8m BB 80° to 1.c.a.	qtz-cb (1)		
280	As above.						
285	VFDA gr gy Creech grey weakly flow banded to massive, weakly sericite altered, top 4-6m thin pyrite, & dacite or dioritic lava similar to above. Large fault @ 285 - 286.3m	Ser. (1)	Pl: trace		qtz-cb (1)		
290	Trace pyrite as fly dirt. Generally 2-4 b.p.m with border zones @ 285-286.3m (cont.) & 294.5 - 295.0m	Ser. (1)	Pl: trace	287.5m BB 66° to 1.c.a.	qtz-cb (1)	285.5m, 1.0m Ser. zone, 20°	
295		Ser. (1)	-	295.6m BB 54° to 1.c.a.	qtz-cb (1)		
300		Ser-dl (1)	Pl: trace		qtz-cb (1)		

Hole ID	SCS5	Project	Sock Creek
Hole Type	DDH	Tenement No.	EL30/2000
Year	2006	Prospect	Sock Creek South
Geologist	Mick Skirka	Date	28/12/2006

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. Intensities (1-3)	Up to 3 codes with %				
350	VFSA	351.4m - 352.0m. <u>RED ROCK ALTERED DACITE</u> No above.	alb (1)	-				
355	VFSA	352.0m - 358.6m. <u>FRAGILE DACITE</u> Greenish grey to light olive grey, massive, weakly sp phiric. Chloride-sericite altered dacite lava. Scattered sp phenocrysts & coarse altered fsp phenocrysts with minor subrounded & calcite filled amygdaloids. Moderately broken core (5-15 b.p.m.). Small fault @ 355.0m. Trace f.g. diss phiric. Conditional lower contact.	chl-so (1) chl-so (1)	py: trace py: trace		cb (1) cb (1)	355.0 - 358.6m 40° to 1 c.a.	
360		358.6m - 375.7m. <u>RED ROCK ALTERED DACITE</u> Moderate red to reddish brown, massive to weakly flow banded, fsp phiric, red-rock altered dacite lava. Scattered fsp phenocrysts with common chlorite altered feldspar phenocrysts. Minor calcite filled ellipsoidal amygdaloids. Subtle flow banding typically 70-80° to 1 c.a.	alb (2) chl (1)	py: trace		cb (1)	Broken core 359.5 - 361.5m	
365	VFSA	Minor db veins & veins. Trace f.g. disseminated phiric.	alb (2) chl (1)	py: trace	365.1m. Bb 74° to 1 c.a.	cb (1)		
370		Broken core 359.5 - 361.5m. Elsewhere generally competent core, 2-5 b.p.m.	alb (1) chl (1)	py: trace		cb (1)		
375		Conditional lower contact.				cb (1)		

C.O. @
373.0m.

Depth	Lithology	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
Code	Colour	Up to 3 codes w. Intensities (1-3)	Up to 3 codes with %				
400	VNBA 1. olive gy.	cht (1)	Pitonic	402.7m CT. 53° to 1ca	cb (1)		
405			Py: 1-2%				
410	SSSI 1. gy dk grey.		Py: ~2%	401.0m BE 75° to 1ca	cb (1)		
415			Py: 2-3%		cb (1)		
420			Py: 2-3%		cb (1)		
425			Py: 2-3%		cb (1)		

374.3-402.7m. AMYGDALOIDAL BASALT
As above. Sharp, irregular lower contact.

402.7m - 471.2m INTERBEDDED Pyritic MIST & SILTSTONE

Light grey to dark grey, laminated to thinly bedded interbedded pyritic mudstone, siltstone, lg sandstone & volcanoclastic siltstone. Generally laminated to very thin bedded. Graded (eg volcanoclastic silt - siltstone 408.9 - 410.4m).

Minor pyrite (2-5%) as lg disseminations, thin laminae & sporadic sporadic to elliptical blebs (< 1cm).

Minor cb veins & veinlets with sporadic Co II cb veins to 3cm.

Typically 5-10 b.p.m.

Sedimentary structures indicate up-dip facies (eg: 423.0m).

C.O.C
421.0m

Depth	Lithology	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
Code	Colour	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
425				426.7m: BE 80° to l.c.a.	cb (1)		
430			P1: 1-2%				
435				433.5m: BE 86° to l.c.a.	cb (1)		
440			P1: ~ 1%				
445				443.0m: BE 52° to l.c.a.	cb (1)		
450			P1: < 1%				

425-430m: INTERBEDDED SILTSTONE & F.C. SANDSTONE
Medium dark grey to light grey, laminated to thinly bedded, interbedded siltstone & big lentic sandstone / argillite.
Generally slt: silt ~ 85:15
Siltstone intervals typically laminated with sporadic zones of more muddy, medium bedded horizons.
Sandstone beds comprise subangular lentic grains & quartzose base grains. Beds typically < 5cm.

435-440m: Minor cb veins & veinlets. Similar to above with minor S || cb veins to 2cm.
Trace to minor (1-2%) pyrite as sporadic voids (to 2cm) & thin laminae - bands, typically in siltstone/mudstone beds & generally decreasing downwards.

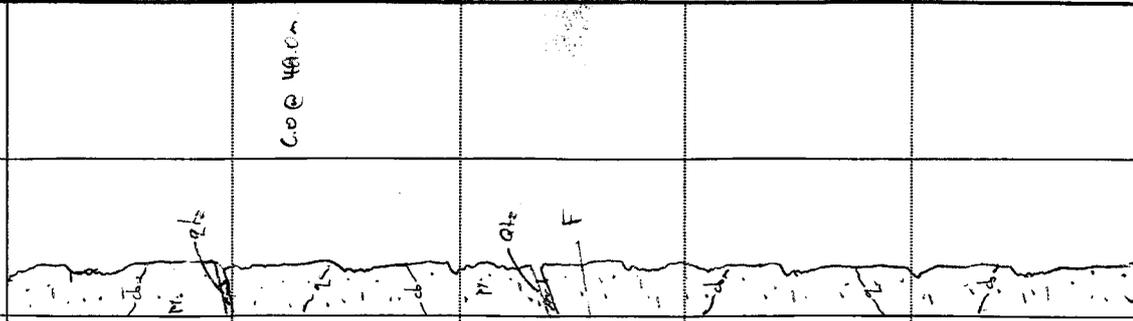
445-450m: Minor fault zones @ 436.2m & 440.0m, characterised by broken ground & increased cb veining.
Moderately competent core outside fault zones (2-6.6m) becoming markedly broken from 440.0m.
Minor correlated (soft and bedding) bedding from 446m with disruption near spaced cleavage.

dk grey
l. grey
SSS1

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
450		402.7m - 471.2m INTERBEDDED SILTSTONE & F.C. MICACEOUS SDSST	-	PI: ~1%	442.5m BE 60° to 1.c.u.	cb (1)		
455		Medium dark grey to light grey, laminated to thickly bedded, interbedded siltstone & lg. to viny lithic, micaceous sdst/geynecke. In general sdst varies from ~80:20, decreasing downhole to ~60:40. Bedding varies from planar laminated, contorted laminated & thin bedded. Minor cb veins & veinlets	-	PI: ~1%	456.5m BE 34° to 1.c.u.	cb (1)		
460	SSS1 SESA l.g.	Tense to minor pyrite as sporadic ovoids (to 1cm) & thin discontinuous veinlets. Rare trace sphalerite in small veinlets @ 464.0m.	-	PI: <1% sph: trace	442.0m BE 45° to 1.c.u.	cb (1)		
465		moderately broken core (>5 bpm), broken (sight) from 467m. Craddford lower contact.	-	PI: <1%		cb (1)		
470		471.2m - 523.0m. INTERBEDDED MICACEOUS GAYNECKE & SILTSTONE	-	PI: trace	474.3m BE 70° to 1.c.u.	cb (1)		
475	SEGM SSS1	Medium grey, medium bedded to thickly bedded, interbedded top-lithic micaceous gaynecke/sandstone & laminated siltstone. Minor cb veining & trace PI as small blebs & disseminations	-					

Hole_ID	SCS5	Project	Sock Creek
Hole_Type	DDH	Tenement_No.	EL30/2000
Year	2006	Prospect	Sock Creek South
Geologist	Mick Skirka	Date	21 / 3 / 2006

Depth	Lithology	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
Code	Colour	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
475							
480	<p>471.2m - 523 cm. MICACEOUS GREYWACKE</p> <p>Medium grey, thick bedded/massive to thinly bedded, fine grained bi-pyritic mica greywacke/sandstone with minor interbedded very thinly bedded siltstone</p> <p>No obvious grading in greywacke beds but basal sedimentary structures suggest up-bow veining.</p> <p>Minor cl A qtz-dk veining. Larger qtz veins @ 487.0 - 487.2m & 478.9 - 479.0m.</p>	-	Pyrite: trace	478.2m. Dk 8° to 1.c.c.	cb (1) qtz (1)		
485	<p>Trace Pyrite as sporadic ovoids (to 1cm), small blebs & disseminations.</p> <p>Moderately broken core (> 5 b.p.m)</p>	-	Py: trace		cb (1) qtz (1)		
490							
495							
500							



Hole_ID	SCS5	Project	Sock Creek
Hole_Type	DDH	Tenement_No.	EL30/2000
Year	2006	Prospect	Sock Creek South
Geologist	Mick Skirka	Date	21 / 3 / 2006

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
500	Code Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
505		471.2m - 523.0m. Medium grey, thick bedded / massive to very thick bedded, interbedded by esp-litic-mica gneiss / sandstone & laminated siltstone. Similar to above	-	Pl: trace		cb (1)		
510		Generally gneissic: siltstone ~ 80:20. Gneiss contains sporadic, larger (to 1cm), angular lithic clasts.	-	-	506.6m - DE 70 to 1.0m	qtz-cb (1)		
515	SEGW med gr	Minor irregular cb & qtz-cb veining Rare trace pyrite or sporadic small blebs of disseminations.	-	Pl: trace		qtz-cb (1)		
520		Moderately broken rock (> 5 b.p.m)	-	Pl: trace		qtz-cb (1)		
525		EOT @ 523.0m	-	Pl: trace		qtz-cb (1)		