

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	L2914	Project
Hole_Type	Dry	Tenement_No.
Year	2008	Prospect
Geologist	AMN	Date
		16/1/08

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
30					26.2m $\beta_0 = 30^\circ$ to LCA.	Qz + cl (1)		
					30.4 $\beta_0 = 35^\circ$ to LCA.			
35								
40	SSM/SSM grey	Intervoluted steam-heated shale on per review base. Thickness of beds with is increasing downhole.		Pg (1) in late veins + minor clots + on joint plane	36.7 $\beta_0 = 35^\circ$ to LCA	Qz + cl (2)		
45				439	41.6m $\beta_0 = 40^\circ$ to LCA. 44.4 $\beta_0 = 30^\circ$ to LCA.			
50	SSM	47.2 Shale/shale with minor interbedded argonite/kerolite		Pg (2057) kerolite/kerolite to 0.2m diameter in argonite beds!	47.7 $\beta_0 = 40^\circ$ to LCA.			HQ

Hole_ID	145014	Project	
Hole_Type	DH	Tenement_No.	
Year	2006	Prospect	
Geologist	AMN	Date	14/1/05

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
55	SSSH dk ss	Shale/siltstone with minor interbedded lgt. ss Siltstone/sandstone (beds < 50cm thick)	Up to 3 codes w. intensities (1-3)	Pg (<0.1%) 33.0	N44.50 = 40° to L.C.A.	Q2 + cl (C2)		
60	SSSH dk ss			Py (0.5%) in vein, clots - fractured and concentrated in SSH/Sandstone beds.	S5.0 60 = 40° to L.C.A.	SSG		
65	SSSH lgt ss 64.0	Well sorted siltstone/siltstone; clots in interbed include ? volcanogenic material + chert.		64.0	65.0 60 = 50° to L.C.A.	64.0 Q2 + cl (C2)		
70	SSSH dk SA 69.5	Mainly to weakly bedded siltstone/shale.		Py (tr) in vein + as clots/fracture	65.9 65 = 70° to L.C.A.	65.9		Contract abrupt & conglomeratic
75	SSSH lgt dk SSSH 69.0	Interbedded dk ss shale/siltstone and lgt ss arenaceous. Unit = 80cm shale. Siltstone beds 1-15cm thick - thickest include irregular shale clasts			69.9 60 = 55° to L.C.A.	69.9 Q2 + cl (C1) ± Py		
	SSSH dk ss	Mainly to weakly bedded siltstone/shale			73.2 65 = 40° to L.C.A.			Contract abrupt & conglomeratic

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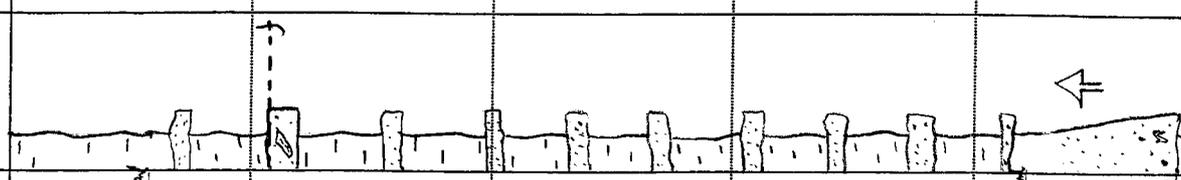
Hole_ID	WJF 14	Project
Hole_Type	DDH	Tenement_No.
Year	2006	Prospect
Geologist	AMWJ	Date
		17/1/06

Depth	Lithology	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
	Colour						
		Comments					
80	SS4 dk gy 778				Q2+cl (1) ±ls 79.7		III Contact granitic over 20cm
85			Pg (COT) diss. in veins, on joint planes, ↳ fragments of chert.	81.4 S ₀ = 40° to LCA.	Q2+cl (2) ±ls 84.1	80.9/0.2/30°/0.2	
90	SS4W SS4 light grey			88.1 S ₀ = 35° to LCA.	Q2+cl (1) ±ls		
95				94.9 96.3	79.9 Q2+cl (2)		
100	CFS1/ CFS4 grey grey		96.3 Q2SE(1) perovine	97.0 S ₀ = 40° to LCA. 99.5 S ₀ = 35° to LCA.	96.3 Q2+cl (4)		61.3 Contact granitic over 10cm. 99.5 Contact chert & conglomerate

Matrix to weakly bedded siltstone/shale.
Competent rock.

Tabbed dk grey shale/siltstone and light
gy lithomackel/greywack units, lam with irregular
shale chert.

Shale unit - silt to top grade to junction line.
Volcaniclastic sandstone x Fd >> Q2-Mylonite, with minor
litho (<0.5cm diameter) and possibly muscovite



6

PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOGGING

Hole_ID	W34 14	Project
Hole_Type	DBH	Tenement_No.
Year	2006	Prospect
Geologist	AMN	Date
		23/1/06

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
130	CE51 grey-green	Massive crystalline-rich (Feld to Qtz-Anhyd) Volcanic Subvolc.	Qtz Se (1) Pervasive			Qtz + Cl (2) ± Cl		
135	CE52 Mottled grey-green	Massive Volcaniclastic breccia, matrix cemented silt-angite to angular clasts: - black shale - fine grained, siliceous, grey-brown volcanics - Chloritic feld > Qtz -hygic porphire - halophor > Qtz shales (Qtz shales to 5mm diameter) - Fine cream to light brown Limestone. Clasts < 2cm diameter, and predominantly < 1cm diameter.	Qtz Se (1) Pervasive Cl (1) Patches	Pg (H) disseminated				
140								
145								
150								

1372 Start
Sill-work
orientations

7

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							
135						150-4		150-4		
140						Pg (Fr) disseminated Po (Fr) in late Qz-16 veins.		Qz-16 (2) ± Po		
145		CFBC	Mottled strongly	Massive Volcaniclastic breccia (Coarse breccia) as described previously	Qz-16 (1) Resisive C1 (1) Patches	147		147		
149						Pg (Fr) disseminated		Qz-16 (1)		
153								153-7 Qz-16 ± cl (2)		

Hole_ID	W0814	Project	
Hole_Type	DDH	Tenement_No.	
Year	2006	Prospect	
Geologist	AMP/N	Date	23/1/06

Hole ID WBR 14 Project WHITE SEA.
 Hole_Type DD Tenement No.
 Year 2005 Prospect
 Geologist PAVK SUNDYA Date 13/5/06

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %				
200	CFS1	190B-200E F.S above 200Bm - 2017m MASSIVE, CARBONATE REACTED FISSILE Yellowish grey to greenish grey, massive, weakly foliated, moderately to poorly sorted, polymict, variably gneissitic, volcanoclastic mass flow / epiclastic. Broadly graded Comprises: 1/ Fine grained volcanoclastic silt with scattered fine to medium grained feldspar grains to ~ 200µm 2/ From 210m, rapidly grades to a coarse to very coarse cemented polymict epiclastic / volcanoclastic mass flow. Comprises scattered to locally abundant gneissic crystals (typically 1-2mm) & angular to subangular feldspar (locally typically 1-2 cm to 220m but increasing to commonly up to 5cm from 220m. Variably porphyrous Minor de veining, typically planar. up to 2cm. Dues here disseminated porphy. Small fault @ 207m to 209m	qtz Sr (1)	-		200B qtz (1)		
205								
210			Sr (1)	-			2077-51 2017-51	
215	CFS1 F.S		Sr (1)	-				
220			Sr (1)	Py. core trace				
225			Sr (1)	-				

10/20

Hole ID	WSP 14	Project	White Skin
Hole Type	DDH	Tenement No.	
Year	2006	Prospect	
Geologist	Mark Swaine	Date	2/5/06

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							
225			201.8-201.7m POORLY SORTED, MASSIVE, FINE-GRANULAR FELTIC Yellowish grey to greenish grey, massive, readily fractured, poorly sorted, polymictic volcaniclastic mass. Fine Similar to above (compares excellent to locally abundant quartzite crystals, typically in contact with quartzite streams with a porous texture for a weak, surface etched matrix	ser (1)			qtz (1)		
230				ser (1)			qtz (1)		
235				ser (1)					
240				ser (1)					
245				ser (1)					
250				ser (1)					

Hole_ID	WSP 14	Project
Hole_Type	DDH	Tenement_No.
Year	2003	Prospect
Geologist	David Clarke	Date
		15/11

Depth	Lithology		Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code	Colour						
250			ser. ls	-		qtz (1)		
255			ser. ls	-		qtz (1)		
260			ser. ls	-				
265	CFSP	well gr grey	ser. ls	-				
270			ser. ls	-		qtz (1)		
275			ser. ls	-				

250 - 255m
 Porphyry Sulfide, iron oxide, massive hematite
 255 - 260m
 Siliceous grey / brownish grey, massive
 well grained, poorly sorted, volcaniclastic
 polymetal mass flow or epithermal
 Fe disseminated zone
 Siliceous little ducts typically 1-5cm,
 lenticles up to 25cm
 Variably qtz +/- lss phos.

Moderately competent core
 2-3 lss

no sulfides observed

Hole_ID	WSP 14	Project
Hole_Type	DDH	Tenement_No.
Year	2003	Prospect
Geologist	MYZK SHIRANA	Date
		14 / 5 / 2006

Depth	Lithology	Comments	Alteration Up to 3 codes w. intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
275								
280		2011.8 - 2011.7m MASSIVE VOLCANIClastic MASS Flow As above. Yellowish grey to olive grey, massive, weakly foliated, poorly sorted polymict volcaniclastic mass flow to epiclastic breccia. Weakly qtz-ty physis. Comprises angular to subangular clasts of siliceous volcanics, volcaniclastics & porphyry in a weakly siliceous altered matrix. Clast size generally 1-4cm, decreasing gradationally from ~285m. Trace py as small blebs & disseminations Minor qtz-d veins & small veins Credational lower contact.	ser (1)	Py: trace		qtz-d (1)		
285	CFMF yell gr olive grey		ser (1)	Py: trace		qtz-cb (1)		
290			ser (1)	Py: trace		qtz-cb (1)		
295		2011.7 - 300.0m QTZ PHYRIC VOLCANIClastic SANDSTONE Greenish grey to olive grey, massive, weakly foliated, medium grained to coarse grained, qtz physis, volcaniclastic sandstone	ser (1)	-		qtz-cb (1)		
300	CFSA olive gr	Comprises scattered qtz & siliceous physis typically < 2mm, in a weakly siliceous altered matrix. Minor qtz-cb veins Rare trace disseminated py Credational lower contact.	ser (1)	Py: trace		qtz-cb(1)		

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
	Code		Up to 3 codes w. Intensities (1-3)	Up to 3 codes with %				
	Colour							
300	CFSA 50 61	291.7 - 300.9m as above. 300.9 - 323.7m VOLCANIClastic SANDSTONE Greenish grey to light olive grey, massive to weakly bedded, weakly bedded, generally fine grained to medium grained, variably qtz-sp phric, volcaniclastic sandstone. Where bedding is defined, typically thin beds (< 2cm) with diffuse boundaries. Scattered olivine grains typically < 1mm & scattered siliceous white grains, typically < 1mm in a weakly qtz-sp, altered matrix.	qtz-sp (1)	Py: trace		qtz-cb (1)		
305								
310	CFSA 50 61 100 61	Thin qtz-cb veins & small veins. Moderate veining from 315.2m. Trace pyrite, typically on fracture surfaces & as sporadic disseminations.	qtz-sp (1)	Py: trace		qtz-cb (1)		
315								
320								
325	CFSA 50 61	323.7 - 326.0m INTERBEDDED Volc SAND & SLT Olive grey, interbedded, coarse grained qtz phric volcaniclastic (fine)	qtz-sp (1)	Py: trace		qtz-cb (1)		

Hole ID	WSR 14	Project	WATHIE S200
Hole Type	DDH	Tenement No.	
Year	2005	Prospect	
Geologist	MIZUK SKIRVA	Date	14 / 5 / 2006

Depth	Lithology	Comments	Alteration Up to 3 codes w. Intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
325	Code CFSA C551	323.7- 326.2m (cont) INTERBEDDED Volc. Sand & Silt sandstone & volcaniclastic siltstone 326.2- 326.5m. CLAY SUPPORTED VOLCANICLASTIC SANDSTONE	qtz-sr (1)	pt: trace		qtz (1)		
330	Code CFBR	Light olive grey to greenish grey massive, poorly sorted, volcaniclastic breccia block supported matrix of siliceous volcanic/volcaniclastic clasts & quartz fragments, matrix of fine-grained quartzite Minor qtz veins with large voids (voids @ 328.5m) Trace pt as small blebs & disseminations, typically associated with veining Sharp beds lower contact	qtz-sr (1)	pt: trace		qtz (1)		
335	Code CFMF	326.5- 354m VOLCANICLASTIC BRECCIA / MASS FLOW Olive grey to dark grey, massive, very fine to coarse polyhedral secondary breccia to volcaniclastic mass flow (composites) 1. 326.5- 329.0m: Fine grained to medium grained volcaniclastic sandstone, rapidly grading to shale to: 2. Matrix supported volcaniclastic breccia &/or mass flow consisting of qtz-sr volumic clasts & dark grey laminated siliceous clasts (beds?)	qtz-sr (1)	sp: trace pt: < 1%		qtz (1)		
340	Code CFMF	Generally matrix supported with minor clast supported breccia Four fine sp as small blebs close with voids Trace pt as small blebs associated with veining. minor qtz veining.	qtz-sr (1)	sp: trace pt: < 1%		qtz (1)		
350								

Hole_ID	WEP 14	Project	WADE CRUR
Hole_Type	DDH	Tenement No.	
Year	2005	Prospect	
Geologist	MARK SYRXP	Date	14/5/2006

Depth	Lithology	Comments	Alteration Up to 3 codes w. Intensities (1-3)	Mineralisation Up to 3 codes with %	Structure	Veining	Faults	Graphic Log
350	CFMF olive gy dk gy	336.5 - 354.1m. VOLCANIClastic BOLECCIA / MASS FLOW As above Massive, poorly sorted, polymict. Sec. nat. of breccia / mass flow Sharp, irregular, lower contact.	qtz, ser (1)	Py: tr.		qtz (1)		
355	SSS1 dk gy.	354.1 - 356.5m. SILTSTONE Med-dk grey, massive, siltstone. Possibly a large clast in breccia unit (?) Lenticular. Lower contact disrupted by cleavage.	-	354.1 Py: nil ess. vit. clasts				
360	CFSA SSS1 l gy med gy	356.5 - 364.6m. INTERBEDDED SLT & LG VOLC SAND Mixed sand & silt. gy to med gy, moderately bedded coarse grained volcanic silt / breccia & volcaniclastic sandstone. Varies from laminated to semi-massive. Coarse grained beds comprise angular, siliceous lithic typically 1cm. Also coarse grained esp Pyrocl. - 1-3mm. Pumaceous silt with esp of pumice clasts - 1-3mm. Moderately broken core Weak sericite alteration Minor qtz-dk veins. Trace pyrite as diss. in c.g beds & ess. with veining	Ser (1)	Py: trace		qtz-dk (1)		
365	CFMF l gy med gy	364.6 - 372.7m. Pumaceous Mass. Flow / Breccia Light grey to med grey, massive moderately bedded, poorly sorted volcaniclastic mass flow to breccia breccia. Generally matrix supported with muddy matrix. Angular / irregular labe pumice clasts typically 1-2 cm in muddy matrix	-	Py: < 1%		qtz (1)		
370	SSS4 blk	372.7 - 384.8m. Pyritic Black Sand Dark grey to blk, weakly laminated, blk shale. Pyrite as big blobs & large ovoids (to 5cm)	-	372.7 Py: 2-5%		372.7 dk (1)		

Hole ID	WSP 14	Project	WATER SPUR
Hole Type	DDH	Tenement No.	
Year	2005	Prospect	
Geologist	GERALD PURVIS	Date	16/5/2006

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
400	CFBR 99	396.8-400.5m 400.5-402.1m VOLCANICLASTIC BRECCIA Grey fibred epiclastic bx with bleached siliceified felsic lava clasts to 70mm (avg 10mm). Sericite, pyrite & black shale frags, in sandy-shaly matrix. Poor foliation.	Sil (2) ser (1)	py trace	S (1) after S0 30°/LCA K contact 30° (S)			
	CFBR DK 99- BLK	402.1-403.35m FINE VOLCANICLASTIC BRECCIA WITH BLACK SHALE MATRIX. Lava clasts mostly < 15mm in abundant black shale matrix. Some black shale lumps.	Sil (1) ser (1)	py 1%	S 30°/LCA S 45°/LCA	qtz (1)		
	SSSH BLK	403.35-404.0m SILICIFIED BLACK SHALE	Sil (2)	py trace	S 40°/LCA	qtz (1)		
405	CFBR DK 99	404.0-405.6m VOLCANICLASTIC BRECCIA Fibred bx as at 400.5-402.1m except matrix mostly black shale. Some lava clasts are fine banded.	Sil (2) ser (1)	py trace	S 45°/LCA K 45°/LCA S0 S 40°/LCA	qtz (2) qtz veins to 10mm 2. 400-500		
	<FSA	405.6-407.15m VOLCANICLASTIC SANDSTONE Fined upward-fining unit of bedded sandstone w siliceous siltstone at top and fine bx at base & small bleached siltic lava frags.	Sil (2)	py 1%	S 30°/LCA	qtz-cb (1)		
410	CFBR CFBR SSSH	407.15-412.2m FINE VOLCANICLASTIC BRECCIA/GRAIT IN DOMINANT BLACK SHALE MATRIX WITH BLACK SHALE BANDS TO 900mm Mixed sequence, fining up hole. At base bleached siltic lava frags mostly 5-10mm (to 50mm) subhorizontal in black shale matrix. Clasts fine up hole, and bands and tipped-up lumps of black shale increase up hole. 900mm bedded siliceified black shale at top of sequence. Occasional qtz-cb veins & veinlets to 15mm, mostly // S0. Foliation increases in basal half of sequence.	Sil (1) cb (1)	py > 2% dissem + stringus	S 50/51 30°/LCA	qtz-cb (2)		
415	V		Sil (1) cb (1)	1-2% py, dissem + veinlets. Minor sp in qtz-cb veinlets.	S 50/51 40°/LCA Strong foliation same kinking	qtz-cb (1) qtz-cb (3) veinlets, shad-locks + bx-fill to 300mm	FAULT? broken S1, AN/LCA	
420	SSSH BLK	412-426.95m PYRITIC BLACK SHALE Black shale with numerous dark grey siltic to finely sandy sections. Marked increase in qtz-cb veining, esp above 420m where veinlet stockworks cement bx shale intervals up to 300mm wide.	Sil (2) sil (2)	2% py dissem + fine veinlets	S 40°/LCA S 35°/LCA	qtz-cb (1)		
425						qtz-cb (2) all samples		

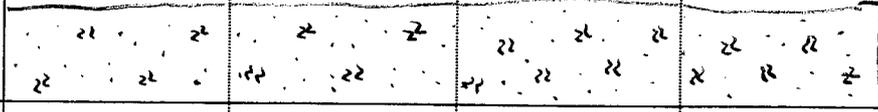
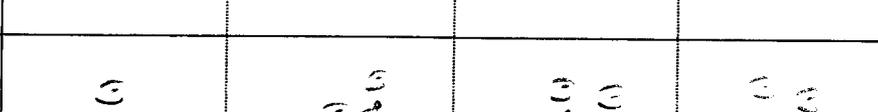
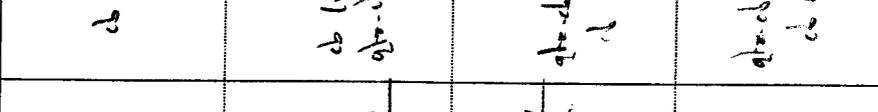
Orientation: A10 S
S0 = 75° to 045°
Mag

Orientation:
A25 Linc
S0 = 85°
to 120° mag

Hole ID	WSP 14	Project	WHITE SPUR
Hole Type	DDH	Tenement No.	
Year	2005	Prospect	
Geologist	GERALD DURVIS	Date	18/5/2006

Depth	Lithology	Comments	Alteration	Mineralisation	Structure	Veining	Faults	Graphic Log
A25	BLK SSSH	BLACK PYRITIC SHALE (CONTINUED) Frequent sandy and silty sections containing fine volcanic(?) Qtz xyl grains. Structurally deformed zone A27.1-432.15m marked by brittle faults and strong shearing foliation widely overprinted in places Abundant spidely Qtz-cb veins Foliation decreases below 433.4m	Up to 3 codes w. intensities (1-3)	Py: 3% Dissem. in stringers & some in Qtz-cb veins Py: 5-7% dissem. in stringers Py: 5% dissem. & stringers	S1: 25°/LCA Deformed Zone S1: 20° Suffs: 35° S1: 30° S1: 35°	Qtz-cb (2) Broken Qtz-cb veins Broken Qtz-cb veins	FAULT: Ruggy seams 3-8' thick broken. Shaly foliation FAULT: 15°/LCA Broken + pyritic seams	
A30				Py: 2% mainly dissem. Py: 1%	S1: 40°	Qtz-cb (1) (fine)		
A35				Py: 2%	So: 40°/LCA Contact 50/S1 40°/LCA	Qtz-cb (2)		
440	CSBR BLK SSSH	436.95 - 437.9m: FINE VOLCANIC BRECCIA IN BLACK SHALE MATRIX Silty volcanic frags to 15mm, and < 10mm. Foliated 437.9 - 440.4m: PYRITIC BLACK SHALE Minor coarse sandy interbeds. Broken 440-440.2m by fault 45°/LCA	sev (1)	Py: 1% Dissem. Py: < 1% Dissem. Py: 2% dissem. near by dissem. some veinlets Py: 5%	So/S1: 40°/LCA So/S1: 40°/LCA Contact 40°/LCA (So)	Qtz-cb (2) Qtz-cb (1)		
440	CS5A Gy	440.4 - 442.35m: GREY QUARTZ-FELDSPATHIC SANDSTONE Med gr volcaniclastic sst composed of grains of Qtz, feld. Lith. Some silty/shaly sections		Py: 1% dissem. Py: < 1%	So: 40°/LCA Contact 50 40°	Qtz-cb (1)		
445	CS4A DK-9y BLK	442.35 - 444.2m: COARSE QUARTZ-FELDSPATHIC - LITHIC SANDSTONE WITH BLACK SHALE MATRIX As above except coarse gr. grains as 2-3mm) + black shale matrix. Shale bands & lumps to 50mm 442.35 - 447.9m: PYRITIC BLACK SHALE Moderately foliated + veined black shale with minor coarse sandy sections. Becoming grey and silty in basal metre.		Py: 2% dissem. Py: 5% Py: 1-2% dissem. 5% py. stringers Py: 1-2% Py: minor	So/S1: 35°/LCA Contact 50 45° So/S1: 35°/LCA Contact 50/S1 35°	Qtz-cb (1) Qtz-cb (2) = chl Veinlets often irregular + spidery		
450	CS4A Pale gy	447.9 - 451.7m: ALTERED PYRITIC VOLCANIC LITHIC SANDSTONE Grey, hard, silty, foliated + spongy. Fused med gr sandstone composed of gr. feld + silty. More impure than sandstones above. Significant subvolc content	Sil (2) sev (2)	Py: 10% py + sp. dissem. Sp. is pale fawn (may be leucocene)	S1: 35°/LCA Contact 50/S1 35°	Qtz-cb (1)	Small fault 45°/LCA	

Hole ID	WSP 14	Project	
Hole Type	DDH	Tenement No.	
Year	2006	Prospect	
Geologist	MICHA SKIRVA	Date	26/5/06

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							
475			459.1 - 494.6m <u>MASSIVE PUMICE BRECCIA</u>	chl-ser (2)	py: rare trace		cb (1)		
480			As above. Greenish grey, massive, weakly bedded weakly sp phyic pumice breccia. Comprises scattered clusters of lap (chertomysia, typically 1-2 mm with chunked chloritised, irregular pumice fragments. No obvious grading although chloritised pumice fragments typically aligned sub to cleavage	chl-ser (2)	-	483.7m VN 40° to loc.	cb (1) qtz-cb (1)		
485			9° gll.	chl-ser (2)	-	487.0m CV 42° to loc.	qtz-cb (1) cb (1)		
490			Minor irregular cb & cb-qtz veins & veinlets. Rare trace discs py. decreasing downwards. Generally competent core (2-5 bpm)	chl-ser (2)	-		qtz-cb (1) cb (1)		
495			EOH @ 494.6m.						