PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA	Date 17/3/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
0										
	SSAL	pale purple	0 – 11.0m Significant core loss, first 5m Mainly quartz & conglomerate rounded fragments & clasts. Also greenish grey, fsp phyric dacitic ?volcanic						Core loss.	
5										
	VIAN	gn-gy	Greenish grey, fsp phyric andesitic → dacitic ?volcanic Weakly vesicular Minor * matic interclasts							
10										
	SSSA	Y-gy	11.0 – 14.0 Yellowish grey, weathered. f – v f grained qtz.mica sdst. Significant core loss.			12.0m S_0: 80° to l.c.a.				
15			14.0 – 18.2m.							
	CEMF	Y-gy	Coarse – v c. grained, polymict, poorly sorted volcaniclastic mass flow. Y-gy to y-orange. Subrounded clasts of SSSA, VIAN, VMBA, SSBR. Broadly fining downhole 18.2 – 25.0m. Dark grey laminated shale/siltstone			19.5m		18.5, 0.3, SSBx, 30°		
20										
	SSSI	dk gy	Broken & brecciated. Trace – minor pyrite		PY: 1%	S_0: 15° to l.c.a.			Brecciated & Broken	
25										

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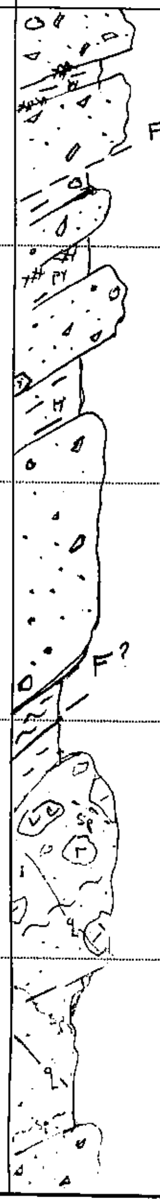
Year	2005	Prospect	
Geologist	Mick Skirka	Date	17/3/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
25											
	SESA	gr-gy to l. gy	25.0 – 41.0m. Interbedded m – v.c grained x-stal rich sandstone, siliceous sandstone & dk grey laminated shale/sltst. 1/. X-stal rich sdst. comprises fsp, qtz & lithic fragments. Greenish grey.	ser (1)	tr pyrite in blk shale			28.3, 0.1, pug, ?	Rubble. Rubble		
30	SESA		2/. Siliceous sdst: F – vf grained, light grey, silicified, broken. 3/ Dk grey shale: laminated, broken. Similar to SSSI above. Relationship b/w 3 units not discernable.		tr pyrite in blk shale.				Rubble		
35		y-gy to l. gy	X-stal rich sdst becomes finer grained downhole. Y-grey rather than greenish-grey. Sporadic lithic fragments. Moderately weathered.						Rubble		
40			From 39.5m, Clay rich puggy zone					39.5m, 0.5, pug, ?			
		dk gy	Broken blk shale to 41.0m (Fault ?)								
	CIMF	gn-gy	41.0 – 42.7: Greenish grey, poorly sorted, v.c gr dacitic – andesitic mass flow/breccia. Subangular volcanic clasts to 5 cm	chl (1)					Puggy @ 42m		
	CFBR	wh	42.7 – 44.8m: Crystal-rich matrix supported poorly sorted v.c gr rhyolitic breccia. Large (to 6cm), subrounded rhyolite clasts.		trace – minor sph (<1%) in veinlets		qtz (1)				
45	SSSA	l. gy	44.8 – 48.6m: Light grey, [illegible] grained [illegible] [illegible] lithic [illegible]		minor sph as veinlets (<1%)		qtz (1)				
50	SECW	gr-gy	48.6 – 52.7 Med. c gr [illegible]		tr. py						



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Hole_ID	BOC 002	Project	
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK SKIRKA	Date	18/3/2005

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
50	SEGW	gn-gy	48.6 - 52.7m As above. qtz-fsp-lithic fragments & xstals.	chl (1)					HQ 52.0 / NQ		
55		gy	52.7 - 61.5m. Predominantly f gr qtz sdst. Varies from weakly bedded to well laminated.				qtz (1)				
60	SSSA	gn-gy	Includes med - c gr lithic greywacke intervals (57m, 58.5m) & xstal rich sdst / mass flow (56m ; 59.5m)	ser (1)	trace - minor sph as blebs & veinlets. Minor (rare) pyrite.		qtz (1)				
65	SEGW	l. gy / gn gy	Gradational contact. 61.5 - 62.7m: Poorly sorted, lithic - xstal greywacke. Sharp contact. 62.7 - 75.9m. Mixed interval & predominantly med gr qtz-lithic sdst with sporadic			61.0m Cv: 70°	fibrous qtz veins to 5mm				
70	SESA	l. gy.	zones containing large (to 10cm) clasts & laminated sst. Also sporadic intervals containing xstal lithic fragments. (eg 73m)		trace - minor sph as blebs & veinlets.		qtz (1)				
75				sil (1)			qtz (1)				

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Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
75	SESA	1.94	62.7-75.8m AA								
	SSSA	1.94 to Y.91	75.8-112.0m. Variable interval of f- medium grained qtz-lithic sdst. Weak-moderately bedded to massive	Sil (1)		76.5m So 30°to l c.a	qtz (1)				
80											
	SSSA		Minor intervals of c grained qtz-stel rich sdst @ 81.8m, 86.7-87.7m.	Ser (1) @ 82m. Sil (1)	Sporadic sph blebs & veinlets.	84.4m. Q-cb vein 20°to l c.a	qtz (1) qtz-cb (1)				
85											
	SSSA		Bedding variable from planar to convoluted & irregular.	Sil (1)	a.a.						
90											
	SSSA				a.a.	93.4m. So. 45°to l c.a	qtz (1)				
95											
	SSSA				trace sph as blebs & veinlets		qtz (1)				
100											

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Geologist	MICK SKIRKA	Date	19/3/2005

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
100			75.8 - 112.0 m								
		l-gy to gn gy	Fine - medium grained qtz-lithic sdst to lithic greywacke		Py: 1% Sph: trace		qtz (1)				
			Variable from thinly bedded to semi-massive.			103.8m S_0: 70° to l.c.a					
105											
	SSSA		Bedding often convoluted & irregular.	s:l (1)							
			Sporadically, weakly silicified.		Py: 1% sph: trace						
110			Coarse grained greywacke from 110.8 m.								
			112.0 - 158.9m								
		dk gy - blk	Dark grey to black, laminated to massive pyritic siltstone		Py: 3%		qtz-cb (1)				
115			Upper part of interval contains			114.6m					
			small (< 5 cm) zones of brecciated rich sdst siltstone (i.e.: 112.4, 117.5 m)			S_0: 50° to l.c.a					
	SSSI		Laminated intervals often irregular & convoluted		Py: 2%		qtz-cb (1)		Broken		
120			Pyrite as blebs, disseminations & veinlets								
			Minor interbeds of chloritic, greenish, ?tuffaceous siltstone (eg: 114.8, 115 m)		Py: 2%		qtz-cb (1)				
125											

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Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
125			112.0 – 158.91m								
130											
135			Dark grey to blk, pyritic siltstone Laminated to thick bedded		py: 2%		qtz-cb (1)				
140	SSSI	dk gy – blk	Contains sporadic large (up to 10 cm) clasts of blk slst, +sbl sdst, fsp-phyric ? dacite & qtz-fsp ? rhyolite. Pyrite as blebs (to 3cm), disseminations & veinlets			139.2m So: 40° to 1 c.a	qtz-cb-py (2)				
145			Veining predominantly within intraclasts				qtz-cb (1)				
150						148.2m So: 25° to 1.c.a					

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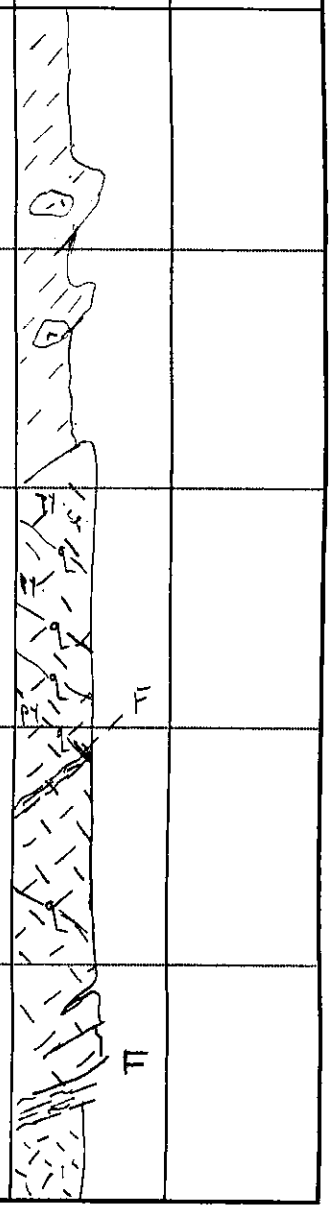
Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
150			112.0 - 158.9m								
	SSSI	dk gy - blk	Similar to above Dark grey to black pyritic siltstone with sporadic large (to 10cm) volcanic intraclasts. Laminated to thick bedded		py : 1-2%	151.5m S_0: 48° to l.c.a	qtz-cb ± py (1)				
155											
			158.9m - 171.8m		sph : trace.						
160											
			Light grey, fsp (+/- qtz) phyric rhyolite. Trace sph assoc with qtz veining at top of interval Common qtz veining (+/- pyrite).	Ser (1)	py : 1%		qtz +/- py (2)				
165											
	VFRH	l.gy	Qtz vns to 2cm. Several zones of weak silicification @ 160m, 162.5m, 166.5	Ser (1) Sil (1)	py : 1%		qtz (1)	166.0, 0.05, chl-ser 46° to l.c.a			
170											
			Faulted contact		py : 1%						
			171.8 - 177.9m					172.0, 0.5, py, ?			
	VF	l.gn-gy	Light greenish grey, weathered, clay rich, qtz-phyric ? rhyolite.				qtz (1)				
175											



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Hole_ID	BOC 002	Project	
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK SKIRKA	Date	19/3/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
175	VF	l. grey	172.0 - 177.9m Well-ord. clay-rich qtz phyric lithic volcanic (? rhyolite) faulted lower contact				qtz (1)	177.8, c.a. 50° pig.		F	
180			177.9m - 194.7m								
185		dk gy	Dark grey to black, variably bedded (laminated to massive) siltstone. Sporadic intraclasts & SSSA & SSSI rich							PY	
190	SSSI	to blk.	sdst ± VFR qtz ftsp (@ 189.6m Generally, massive appearance. (laminated (@ 180.7m) Trace - minor pyrite (< 1%)		PY (< 1%)					PY	
195			Qtz ± cb veining generally restricted to intraclasts								
200	SESA / SEGW		194.7 - 210.7 Mixed interval of lt. gr qtz-lithic sdst, med gr lithic greywacke & matrix supported x-stal lithic sdst. Weakly bedded (irregular) Lithic clasts generally SSSA & SSSI		PY: trace.	197.7m. Qv: 70° to l.c.a.	qtz (1)				

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Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
200			194.7 – 210.7m.		trace galena @ 200.2.			200.2m, 0.1, qtz-ms, 45° to l.c.a.			
	SEGW / SESA	l. gy - dk gy	Mixed interval of med- c grained lithic greywacke, f-med gr qtz-lithic sdst & siltstone. Sporadic intraclasts of SSS1 & SSSA. Intense qtz veining 204 – 206 m.		py: < 1%.		qtz (+/- py) (1)				F
205											
		gr-gy	pyrite as ovoid blebs, disseminations & veinlets. Qtz veining has apparent ⊥ to S_o.	chl (1) ser (1)	py: trace - minor < 1%.	208.6m: Qv. S_o to l.c.a	qtz (3)				
210							qtz (1)				
	SSSA	Y-gy to med gy.	sharp contact. 210.7 – 214.0 m. Variable interval of banded, siliceous l.gr bullaceous sdst & l. gr qtz-lithic sdst. sharp contact	slt (1) ser (1)	py (< 1%		qtz (1)				F.
215			214.0 – 219.5 m			213.6m. S_o: 67° to l.c.a		214.7m, 0.02, py, 49° to l.c.a			
	SEGW	gy	Mixed sequence of med- c gr greywacke, matrix supportic lithic wacke & siltstone. Lithic fragments comprise SSS1, SSSA & minor volcanic detritus.	ser (1)	py: trace diss						
220			219.5 – 226.0 m								F
	SEBR	gr-y to blk	Mixed interval of greenish-yellow, clay rich brecciated (strongly altered?) rock & dk-gy to blk brecciated mudstone / siltstone. FAULT ZONE ??	chl (2) ser (1)				220.1, 0.1, clay, ? 223.9, 0.1, mst, ?			F.
225											

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Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
225	SEBR	gn-y	219.5 - 226.0 As above. Qtz-phyric (VFAH?)	chl (2), ser (1)				225.3, 0.2, prg, ?		F	
			226.0 - 234.2 m. Very poorly sorted matrix supported lithic wacke - siltstone.	chl (1)	trace - minor (< 1%) sph		qtz (1)				
230	SEGW	gy	Lithic clasts (to 5cm) comprised of altered (chl, ser) volcanics (rhyolite, dacite, ? andesite) set in a black mudstone matrix.	ser (1)	py: 1-2%						
			Trace - minor sph to 230m assoc with irregular veins & veinlets.		pyrite: 1-2%		qtz (1)		Broken.		
235			234.2 - 236.9								
	SSSA	l. gy	Light grey, mod gr qtz lithic sdst with intense qtz veining. Weak silicification & chl, ser alteration.	ser (1) chl (1) sil (2)	pyrite: < 1%		qtz (3)				
			236.9 - 243.0 Mixed sequence of matrix supported lithic wacke, siltstone & l gr qtz-lithic sdst.								
240	SEGW	dk gy.					qtz (1)				
			Moderately sorted to very poorly sorted.	ser (1)	rare trace sph				Broken 240-243		
			243.0 - 270.5m. Fine - v.l. gr qtz sdst.			244.5: S_0 45°					
245											
	SSSA	~ gy	Generally massive with minor l gr qtz-lithic sdst interbeds (< 2 cm thick)		py: 1%			247.2, 0.1, prg/qtz/py, ?		F.	~ Facing ?? ↓ (core error?)
			Minor pyrite ovoids to 10mm			248.0. S_0: 25° to 1.c.a.					↕ Facing ✓ (scours)
250											

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Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
250			243.0-270.5m								
						254.9m					
255						S_o: 36° to l.c.a					
			Fine - v.f. grained qtz sdst with minor thin (< 5 cm) fine grained		Py: 1-2%						facing
260						259.5m.					
	SSSA	m gy.	qtz-lithic sdst interbeds			S_o: 50° to l.c.a					
			Generally massive								
265			Pyrite as sporadic blebs & on fracture surfaces								
						265.2m S_o 82° to l.c.a	qtz +/- Py (1)				
270											
	SSSA	m gy	270.5-292.1m. Interbedded med gr. qtz. rich lithic sdst / greywacke & fine - v.f. grained qtz sdst		Py: 1%	272.4m S_o: 32° to l.c.a	qtz +/- Py (1)				
275			Similar to above however higher proportion of med grained sdst.								

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Geologist MICK SHIRKA	Date 20/3/2005

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Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
275			270.5 - 292.1m		py: 1%		qtz-cb (1)			py, qtz, py	
280	SSSA / SSSI	m-gy	Interbedded dk grey siltstone, lt-gr qtz sdst & med gr qtz-fsp-lithic greywacke/sandstone. Bedding typically disrupted by a-cutting microfractures. Finer grained units pyritic.		py: 1-2%	283.5m. So: 45° La 1.cm	cb +/- qtz +/- py (1)			py, cb	
285			Pyrite as blebs, disseminations & veinlets. Bedding more disrupted & convoluted downhole.		py: 2% trace sph/ga. @286.8m		cb +/- qtz, py (2).			sp, cb, cb, cb, cb	
290					py: 1%					py, cb, q	
295			292.1 - 301. fine-med gr qtz-fsp-lithic greywacke. Generally massive to weakly bedded				qtz-cb (1)			q, cb	
300	SEGW	m-gy.	Contains sporadic lithic (slst) clasts to 5mm. Irregular, discontinuous qtz-cb veining		py: trace. (diss)		cb-qtz (1)			cb, cb	

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Year 2005	Prospect
Geologist MICU SHARMA	Date 20/3/2005

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Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
300	SEGW		292.1 - 301.0m. As above.								
			301.0 - 309.7m.				qtz (1)				
					py : 1%		cb (1)				
		m.gy			spl : trace						
305			Fine grained qtz-lithic sdst.								
			Massive to weakly bedded.								
	SSSA		Trace spl assoc with qtz veining		py : 1%		qtz (1)				
					spl : trace		cb (1)				
310			309.7 - 314.2m.								
	SESA / SEGW	m.gy	Mixed interval of med gr qtz-fsp-lithic greywacke, l. gr sdst & v.c. grained matrix supported lithic wacke.	ser (1) sil (1)	py: trace	312.5. Su : 65° to l.c.a	qtz (1) cb (1)	312.7, 0.1, pyg, 55°	F		SOUTHWELL SUBGROUP
315			314.2 - 346.6m								
			Interbedded f - med gr qtz-fsp-lithic greywacke & f - v.f gr qtz sdst.								
		m.gy	Generally massive, well sorted greywacke beds (up to 2m) with thin (<0.2m) intervals of thin bedded f - v f gr sdst, decreasing in abundance downhole.				cb (1)	317.9 0.02, pyg, 65	F		ANIMAL CREEK GREYWACKE
320	SEGW										
					rare trace py.		cb (1)	322.9, 0.1, pyg, 60°	F		
								347, 0.1, pyg, ?	F		
325											

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325	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
			314.2 - 346.6m		rare trace pyrite in fine grained beds	326.3m. S_0: 68° to l.c.a	cb (1)			cb cb	
330											
			Interbedded f- med gr qtz-fsp-lithic greywacke & f gr - v. f. gr qtz sdst - siltstone			331.8m. S_0: 53° to l.c.a	cb (1)			cb cb	
335			Greywacke beds massive, up to 3m, moderately sorted								
	SEGW	m gy	sdst/sltst beds generally thin with undulose contacts		trace py. & sporadic pyrite ovoids (to 10mm)		cb (1)	337.1, 0.05, graphite/qtz, 50° to l.c.a		cb F	
340			Sporadic sltst lithic fragments (1 2mm) & pyrite ovoids (to 10mm)			338.9m S_0: 55° to l.c.a					
			x-bedded @ 331.8m.				cb (1)			cb	
345						343.5m S_0: 60° to l.c.a				F	
			Faulted contact.					345.5, 1.0, SSSA	Broken zone qtz, ?		
	SSSA	m gy	346.6m - 388.9m f grained qtz sdst & interbedded f-med gr qtz-lithic sdst. Bedding typically undulose & convoluted								
350											

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Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
350			346.6 - 388.9.				cb(1)	350.2 m, 0.05, pyj, ?		F	
355			Broadly graded cycles of L-med gr qtz-fsp lithic sdst/greywacke to v.f gr qtz sdst/slst			355.8. S_0: 52° to l.c.a.	cb(1)				Lamination
360	SSSA	m gy	Cycles vary from < 10 cm to > 2m.		trace pyrite.		cb(1)				
365							cb(1)			F	
370			Gouge fault zone 366.6 - 366.9m.			368.7. S_0: 67° to l.c.a.	cb(1)	366.6, 0.3, clay, ?			
375							cb(1)				

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Hole_ID BOC 002	Project
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Year 2005	Prospect
Geologist MICK SHIRVA	Date 20/3/2005

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Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
375			346.6 - 388.9m		trace py.	378.0 S_0: 66° to l.c.a	cb (1)			cb	
380	SSSA / SEGW	m-gy.	med gr qtz-fsp lithic sdst/greywacke with minor l gr qtz sdst interbeds. Thick bedded (> 1m) greywacke units with sharp basal contacts indicating uphole facing		trace py.		cb (1)			cb	
385			t-bedded @ 379.0m. Large slst clast @ 379.1m.		trace py.	386.0 S_0: 75° to l.c.a.	cb (1)			cb	
390	SEGW	gn-gy	388.9 - 393.2m. Greenish grey, coarse grained, matrix supported t-sbd - lithic greywacke. Comprises fsp, qtz & chloritised lithic fragments (to 3mm).	chl (1) ser (1)	trace py.		cb (1) qtz (1)			qtz	
395			393.2 - 454.7m Broadly graded cycles &			394.0m S_0: 72° L l.c.a					
400	SSSA	m gy	med gr qtz-fsp-lithic sdst to v.f. gr qtz sandstone & siltstone. Sharp basal contacts which indicate uphole facing		minor pyrite ellipsoids in l.g beds.		cb (1)			cb py	facing

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA	Date 20 | 3 | 2005

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
400			393.2 - 454.7								
			Graded intervals of med gr qtz-lithic sdst to v.f. gr qtz sdst		trace py						
405			Beds have variable thickness from < 2cm to > 1m.								
	SSSA / SSCW	m gy	generally competent core < 2 b.p.m.			407.4m - S_0: 70° to l.o.a					
410											
			predominantly fine grained				cb (1)				
415											
							cb (1)				
420			Large (to 5cm) slst intradasts @ 420.4m, 425m.		rare trace py.	419.6m S_0: 73° to l.c.a					
							cb (1)				
425											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA	Date 20/3/2005

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
425	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
			393.2 - 454.7m.								
							cb (1)			cb	
						428.5m: S_o: 68° to l.c.a					
430											
							cb (1)				
			Similar to above.								
						434.2m: S_o: 70° to l.c.a					
435			Fine - med grained qtz - lithic sdst to v.l.gr qtz sdst								
	SSSA / SEGW	m gy	Semi-massive to well bedded. Variably graded.				cb (1)			cb	
440											
			Large slst clast @ 427.2m.		rare trace sph / gn from 440m.					sp	
						442.1m: S_o: 78° to l.c.a	cb (1)				
445											
										cb	
							cb (1)				
						449.5m S_o: 69° to l.c.a					
450											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA.	Date 27/3/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
450	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
	SSSA / SEGW	m-gy	313.2 - 454.7m As Above. Banded to laminated		trace pyrite	452.8 S_0: 70° to l.c.a.	cb (1)			cb ↑ Facing	
455			454.7 - 474.7								
			Med gy, fine - v.f. grained qtz-mica sdst. Generally massive to weakly bedded.		trace py, trace spl.		cb ± qtz (1)		Broken 459 - 459.7	sp cb py	
460											
	SSSA	m gy	Trace spl associated with cb & cb-qtz veins		tr spl		cb (1) qtz (1)			sp cb	
465											
					Rare trace spl assoc. with qtz veinlets		qtz (1)		Broken. 467 - 470a	cb q	
470						471 o. S_0: 72° to l.c.a.					
					trace spl.		qtz (1)			q	
475											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SHARMA	Date 27/3/05

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
475	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
			474.7 - 500.0m. Fine - med grained qtz - lithic sdst. Generally light to medium grey with sporadic zones of weak silicification	sil (1)	tr py		cb (1)			cb	
480											
	SSSA	l.gy to m.gy.	Typically massive to very weakly bedded. Moderately bedded (thin) 488 - 491m. Trace pyrite on fracture surfaces. Rare trace spl assoc with qtz & cb veinlets.	sil (1)			cb (1)			py.	
485											
				sil (1)	tr py tr spl.		cb (1) qtz (1)			cb	
490											
				sil (1)	tr py	490.3m S_0: 75° to l.c.a.	cb (1)				
495											
			Weak sericite alteration from 495m. Larger (to 10mm) lithic fragments in f.g matrix @ 498.8m	ser (1)	tr py.		cb (1)		Broken 497.5 - 498m	cb	
500											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID BDC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SWIRKA	Date 28/3/2005

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
500			500.0 – 514.8 m Variable interval of fine grained qtz-lithic sdst to qtz siltstone. Several apparent graded beds (eg: 502.6 – 503.6) with sharp basal contacts (uphole facing).		py : trace	503.6 S_0: 46° to 1 c.a.	cb(1)	504.9, 0.02, gouge, 75°		cb F d	
505											
	SSS1 / SSSA	dk gy	Irregular, discontinuous carbonate veining increasing downhole		py : trace	509.5m S_0: 30° to 1 c.a.	cb(1)			py	
510											
			Sporadic pyrite blebs & ovoids (to 2cm) Sharp, brecciated lower contact.		py ~ 1%		cb(2)			cb cb py cb	
515			514.8 – 524.0 m Weakly silicified, fine grained qtz-lithic sdst. Generally weakly bedded to moderately bedded Sporadic trace of sph assoc with qtz & qtz/cb veinlets	sil(1)	trace py. trace sph		cb(1)			cb qtz	
520					py ~ 1% sph ~ 0.5%		qtz (1) cb (1)			cb	
			Gradational lower contact.								
525											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING** Input

Hole_ID	BOC 002	Project	
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK SHARVA	Date	28/3/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
525	SSGW	gr gy	524.0 – 528.6. Fine – med grained qtz-lithic sdst./greywacke. Greenish grey. Generally massive. Gradational lower contact.				cb (.)				
530			528.6 – 546.7 m. Medium grey to dark grey, fine – v. fine grained qtz sdst to slst. Generally massive with minor narrow banded intervals (< 10cm) eg: 533.6 m, 539.2 m		tr py	529.0 m So: 75° to 1 c.a.	cb (.)				
535						534.8 m So: 70° to 1 c.a.					
540	SSSA / SSSL	m gy – dk gy	Minor cb veining. Trace pyrite on fracture surfaces & as (rare) blebs		tr py		cb (.)				
545			Light grey, talkaceous (?) interval @ 542.0 m.		py: ~1%		cb (.)				C.O @ 545.0m
			Sharp lower contact.			So: 30° ⇒ 342 Amg 546.3m.					
550	CESA	l.gy	546.7 – 551.4 m. Light clay, coarse – v. c. grained, poorly sorted, polymict, volcaniclastic sdst. Contains felsic & chloritised volcanic fragments	chl (.) ser (.)	py: trace						

DIAMOND DRILL HOLE LOGGING

Input 23/27

Hole_ID	Boc 002
Hole_Type	DDH
Year	2005
Geologist	MICK SKIRKA
Project	
Tenement_No.	
Prospect	
Date	28/3/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log
550	CESA	l.gy	546.7 – 551.4m. As above.	chl(.) ser(.)						
	SSSA	l.gy	551.4 – 552.2m qtz-lithic sdst, light grey, f-med gr laminated		trace-minor sph					
			552.2 – 570.4m Med grey, fine grained qtz-lithic sdst. Generally massive with sharp basal contacts. Uphole facing		sph: 1% veins/veinlets		cb(.)			
555			Minor sphalerite as veins & veinlets <30° to l.c.a Also associated with cb veinlets		py: 1% disseminated trace sph	557.5m. So: 70° to l.c.a	cb(.)			
560	SSSA	med. gy			py: 1% sph: trace.		cb(.)		10cm Cb-qtz-chl vein @ 561.5m	
565			Minor sphalerite from 565m as disseminations, blebs & veinlets (0.5 – 1%) Sharp lower contact.		sph: <1% blebs, diss, veinlets py: 1%.		cb(.)		Broken 567.3 – 568.5	
570	SEGW / CFGW	l.gy	570.4 – 575.8m. Coarse – v. c.grained, qtz-fsp-lithic greywacke. Massive Poorly sorted toward base with subrounded siliceous clasts to 1cm	ser(.)	sph: 1% py: 1%		cb(.)			C.O @ 575m
575										

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA	Date 28/3/05

Depth	Lithology		Comments	Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log	
575	Code	Colour		Up to 3 codes w. intensities (1-3)	Up to 3 codes with %						
			570.4 – 575.8m.								
	SSSA	m-gy	575.8 – 577.0m. Med grey, f- med grained qtz-lithic sdst.		sph: 1% py: 2%	576.5m S_0: 30° to l.c.a					
			577.0 – 582.8m. Poorly sorted, c – v.c grained volcaniclastic mass flow.								
580	CEMF	m-gy	Comprises frag, lithic & rhyolitic – dacitic volcanic fragments & siliceous rock fragments		sph: 1-2% py: 1-2%						
			Blebby sphalerite 1-2%								
	✓		sharp lower contact.								
			582.8 – 588.6								
585		gn-gy	Greenish grey, siliceous, f- v.f. grained volcaniclastic (?) sdst.	Sil (1)	trace-minor sph (< 1%						
	SSSA		Massive. to v. weakly bedded	ser (1)	as diss & veinlets		qtz (1)				
						588.7m S_0: 64° to l.c.a					
590	SSSA	l-gy – gn-gy	588.6 – 590.1. Med- c grained, poorly sorted. lithic volcaniclastic sdst. Common chloritised lithic fragments	chl (1) ser (1)	trace py. trace sph						
			590.1 – 603.5m	ser(2), chl (1)	sph: 3-5% py: 2%.						
			Greenish grey, fine- med grained qtz-lithic sandstone.								
			Generally massive.		sph (visible) ~1%		cb (1)				
			Minor carbonate veinlets & veins.								
595			Variable minor sph as disseminations & veinlets.	ser (1)							
	SSSA	gn-gy.	Zone of moderate alteration & mineralisation 590.4 – 590.85m (ser-chl)								
				ser (1)			cb (1)				
600											

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID BOC 002	Project
Hole_Type DDH	Tenement_No.
Year 2005	Prospect
Geologist MICK SKIRKA	Date 6/4/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log
	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
600	SSSA	gr-gy.	590.1 - 603.5m Greenish grey, fine-med grained qtz-lithic sdst. Broken core 20-30.	ser (1)	trace py. Rare trace sph		cb (1)	600.6m, 0.05, py, ?	Broken Core	F
605			603.5 - 617.4m		trace cpy @ 604.4m		cb (1) qtz (1)			
610	VFDA	dk gr-gy.	Dark greenish grey, fsp phyric, chloritic dacitic volcanic. Autobreccia texture 1. ~606m. Vesiculated from ~609m with chalcedonic qtz infill.	chl (1)	trace sph assoc with qtz veining		qtz-cb (1)			qtz
615				chl (1)	trace py.		qtz-cb (1)			qtz
620		med gy.	617.4 - 624.1m. Med grey, fsp phyric autobrecciated rhyolite	ser (1) ser (1) chl (1)	sph ~ 1% tr: pyrite		qtz-cb (1)			sp
625	VRBR		Variable ser/chl altered Minor sph in qtz veins & as blebs & dissemination. sharp lower contact.	ser (1) chl (1)	sph ~ 1% tr: pyrite.		qtz-cb (1)			sp
	SSSA	l. gr-gy	624.1 - 632.2m. Greenish grey fine-grained qtz-lithic sdst.							

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	Boc 002	Project	
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	Mick SKRKA	Date	07/04/05

Depth	Lithology			Alteration	Mineralisation	Structure	Veining	Faults		Graphic Log
625	Code	Colour	Comments	Up to 3 codes w. intensities (1-3)	Up to 3 codes with %					
	SSSA	l. gn-gy	624.1 – 632.2m Light greenish grey, fine grained qtz-lithic sdst. laminated to thinly bedded.		trace py trace – minor Spt as diss & veinlets.		cb (1) qtz (1)		Broken from 626m.	
630						630.5m S: 40° to l.c.a				
	SSSA	l. gy.	632.2 – 635.0m Light grey, fine grained qtz sdst. Massive. Broken core.		trace – py		cb (1)			
635										
	CFSA	gn-gy	635.0 – 643.4m Coarse – v c grained fsp-phyric, felsic, x-stal rich volcaniclastic sandstone. Generally massive with sporadic, subtle foliation. Predominantly fsp xstals (to 2mm) with minor chloritised lithic fragments	chl (1)	trace – minor Pyrite (<0.5%) disx		qtz (1)			
640				chl (1)	"		qtz (1)		Broken from 642m.	
645	VRBR	Y-gy – red gy.	643.4m – 646.6m. Yellowish grey – red grey rhyolitic breccia. ~~Angular fragments to 5cm~~	chl (1)	trace py					
	CFSA	Y-gy – red gy	646.6 – 653.0m coarse grained, yellowish grey fsp phyric felsic x-stal rich volcaniclastic sdst.	ser (1) chl (1)	trace py		qtz (1)			
650										

PASMINCO EXPLORATION **DIAMOND DRILL HOLE LOGGING**

Hole_ID	BOC 002	Project	
Hole_Type	DDH	Tenement_No.	
Year	2005	Prospect	
Geologist	MICK SKIRKA	Date	7/4/05

Depth	Lithology Code	Lithology Colour	Comments	Alteration (Up to 3 codes w. intensities (1-3))	Mineralisation (Up to 3 codes with %)	Structure	Veining	Faults		Graphic Log	
650											
	CFSA	Y-gy – med gy	646.6 – 653.0m. As above.	Ser (1) chl (1)	trace py						
655		Y-gy	653.0 – 658.2m. light yellowish grey, qtz-fsp rhyolitic breccia	Ser (1)			qtz (1)				
	VRBR	– med gy	Coherent in central part. More brecciated towards upward & lower contact	sil (1)	trace py.		qtz (1)				
660			658.2 – 667.2m. Greenish grey, sericite & chlorite altered qtz-fsp x-stal rich volcaniclastic sdst.								
	CFSA	gn-gy	Q. Very weak foliation	Ser (1) chl (1)	trace py.		qtz (1)				
665			Sporadic pseudo-breccia texture due to alteration selvedges								
			Minor qtz veining.								
670	EOH @ 667.2m.									EOH @ 667.2m	
675											