


PASMINCO EXPLORATION
DIAMOND DRILL CORE LOG

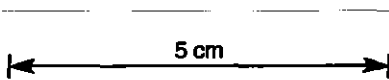
HOLE No. **YNC7**

PROJECT: YOLANDE: NEWTON CREEK

Vertical Scale 1 : 200

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DESCRIPTION				GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures
0.00	8.30	DACITE Pale, Green, Sheared, Augen, Dacitic lava or reworked dacitic debris. Weathered pits of knotty quartz/carbonate augen wrapped by sericite/chlorite. Abundant 0.5mm white altered feldspars. The rock is probably dacitic in composition but may be lava or reworked lava derived sediment. CONTACT: Indistinct,	Moderately Oxidised. Moderately Sericitised.	DISSEMINATED. trace pyrite associated with alteration, trace galena Disseminated mineralization associated with sericite and carbonate alteration..	0		FIRST CLEAVAGE, D 40.
8.30	13.80	DACITE White, Similar to above interval but more intensely altered. CONTACT: Indistinct,	Moderately Oxidised. Highly Sericitised.		10		
13.80	26.10	DACITE Pale, Green, Sheared, Augen, Fragmented knotty Mn carbonate augen wrapped by sericite. Lava or dacite derived sediment? Highly cleaved rock with fine pyrite smeared in cleavage in part. CONTACT: Faulted,	Moderately Sericitised. Moderately Carbonatised.	DISSEMINATED. minor pyrite disseminated, trace galena in veinlets, trace galena on fractures, Minor sulphide wisps aligned in cleavage. Mineralization associated with augen type carbonate, sericite and quartz alteration..	20		
26.10	40.40	DACITE Pale, Green, Medium grained, Cleaved, Similar to above but with decreased augen texture, less cleaved and more massive. CONTACT: Gradational,	Moderately Bleached. Moderately Sericitised.				



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		more massive. CONTACT: Gradational,			30			
40.40	50.70	DACITE Buff, Green, Brecciated, Autoclastic; dark green chloritic angular 1 to 5cm feldspar phytic clasts in buff medium grained bleached matrix of quartz, sericite, altered feldspars and weathering pits. Resembles pull apart texture in part, autoclastic dacite. CONTACT: Gradational,	Bleached, Sericitised.	DISSEMINATED, very minor galena in veinlets. Very altered bleached detextured volcanic with disseminated galena. Note very heavy?.	40			FIRST CLEAVAGE, D 50, Zone of bleaching alteration and increased cleavage possibly surrounding fault or shear.
				STRONGER, minor pyrite as stringers, very minor sphalerite as stringers, Minor red coarse sphalerite..	50			
50.70	69.20	DACITE White, Zone of intense bleaching and alteration with minor sulphides. Ghost autoclastic texture is identical to surrounding autoclastic dacite texture. Alteration appears to emanate from faults and fractures. CONTACT: Gradational,	Moderately Oxidised, Moderately Sericitised.	DISSEMINATED, very minor pyrite very minor galena disseminated, very minor sphalerite associated with alteration. Very bleached detextured zone with patchy disseminated bands and possibly more abundant weathering pits?.				

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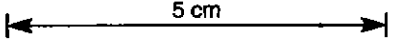
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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures
				partly disseminated bands and possibly more abundant weathering pits?			
							
69.20	75.90	DACITE Cream, Green, Brecciated, Autoclastic texture, identical to two previous intervals. CONTACT: Conformable mixed,	Moderately Bleached, Slightly Sericitised.		60		
					70		BROKEN CORE. Zone of bleaching, intense alteration and detexturing, minor friable zones, minor pug and minor quartz veining.
75.90	81.20	DACITE MIXED WITH SANDSTONE Grey, Green, Coarse grained, Zone of indistinct mixed dacite and terrigenous sandstone. CONTACT: Conformable mixed,	Slightly Sericitised, Slightly Chloritised.	DISSEMINATED, very minor pyrite associated with alteration, trace sphalerite associated with alteration. Associated with carbonate and lesser chlorite, sericite and silica alteration..			FALLT, D 68.
					80		BEDDING, D 58.
81.20	84.20	SANDSTONE CONTAINING LAMINAE OF SHALE Buff, Grey, Medium grained, Cleaved, Bedded, Terrigenous sediment, no dacite component. CONTACT: Conformable abrupt,	Moderately Sericitised.	DISSEMINATED, very minor pyrite associated with alteration, trace sphalerite associated with alteration, Minor S by 15mm carbonate/sulphide? altered augen patches..			
84.20	86.50	BLACK SHALE Black, Fine grained, Bedded, Minor sandstone					

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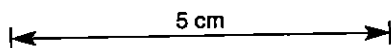
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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
84.20	86.50	BLACK SHALE Black, Fine grained, Bedded, Minor sandstone bands throughout, minor 2cm carbonate rounded patches. Possible minor folding? CONTACT: Conformable abrupt,	Slightly Carbonatised,					FOLD, Indistinct drag fold?
86.50	93.10	SANDSTONE Buff, Medium grained, Massive, With a breccia or pseudo breccia in part, texture may be due to preferential carbonate - silica alteration. Note pyrite/galena clast? and red sphalerite spots. CONTACT: Conformable abrupt,	Slightly Carbonatised,	STRONGER, very minor pyrite associated with alteration, trace sphalerite associated with alteration. Mineralisation associated with carbonate altered patches, insipient sphalerite replacement..	90			
93.10	94.60	SILTSTONE Pale, Grey, Fine grained, Laminated, Minor sandstone bands. Disseminated pyrite in part, and minor Mn carbonate in fractures. CONTACT: Conformable mixed,	Slightly Sericitised,					BEDDING, 0.55,
94.60	101.70	DACITE MIXED WITH SILTSTONE Grey, Green, Hyaloclastitic, Minor Mn carbonate alteration, and minor chlorite/sphalerite patches in siliceous alteration patches. CONTACT: Gradational,	Slightly Silicified,	VEIN, abundant carbonate minor pyrite trace galena Brecciated vein carbonate with spotty pyrite and minor interstitial galena. Minor sphalerite/chlorite associated with patchy silica alteration..	100			
101.70	147.60	DACITE Green, Coarse grained, Massive, Feldspar phytic, Zone of massive dacites with minor autobreccia texture throughout. Minor zone of reworking at 130.4m. Minor irregular white carbonate veining throughout. Minor flow banding at base of interval. CONTACT: Conformable abrupt,			110			



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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					120			
								VEIN, Quartz, Chlorite. Minor zone of veining.
				VEIN, minor pyrite associated with alteration, very minor sphalerite associated with alteration, trace galena associated with alteration.				
				VEIN, minor pyrite disseminated, very minor sphalerite associated with alteration, trace galena as stringers, minor carbonate in veinlets, Zone of alteration associated with quartz/chlorite vein; brecciated Mn carbonate and spotty disseminated pyrite, sphalerite and galena..	130			VEIN, D 40, Quartz, Chlorite.
					140			

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures
					140		
147.50	148.70	BLACK SHALE Black, Fine grained, Massive, CONTACT: Faulted, at 50 degrees to LCA.					
148.70	150.50	SILTSTONE Pale, Grey, Fine grained, Laminated, CONTACT: Gradational,	Slightly Silicified,		150		
150.50	152.00	SANDSTONE CONTAINING CLASTS OF DACITE Buff, Grey, Coarse grained, Upwards fining sequence, Micaceous, Upwards fining sandstone with isolated 3cm dacite clasts. CONTACT: Gradational,					BEDDING, D 48.
152.00	157.70	CONGLOMERATE Dark, Green, Very coarse grained, Matrix supported, Polymict, Clasts sub rounded to angular, 3mm to 100mm predominantly dark green feldspar phyric dacite, next most abundant type is fine grained olive green vesicular or non vesicular andesite (some pale altered and pyritic andesite clasts) and minor fine grained sediment. CONTACT: Conformable abrupt,	Slightly Sericitised, Slightly Chloritised.	CLAST, very minor pyrite massive.			
157.70	167.50	CONGLOMERATE Pink, Grey, Very coarse grained, Brecciated, Polymict, Similar to above interval but clast size, abundance and type and roundness is more varied. Sediment clasts are more abundant. Dacite clasts are orange altered. CONTACT: Conformable abrupt,	Moderately Sericitised, Moderately Silicified.		160		Fault, D 35. Pug.
167.50	168.00	SILTSTONE Grey, Fine grained, Massive, Fine upwards fining sets of fine grained sandstone and siltstone. CONTACT: Conformable abrupt,					BEDDING, D 68.
168.00	179.40						

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157.50	158.00	fining sets of fine grained sandstone and siltstone.					
158.00	179.40	CONTACT: Conformable abrupt, CONGLOMERATE Grey, Pink, Very coarse grained, Brecciated, Polymict, Overall indistinct upwards fining. Dacite clasts tend to be largest, abundant 1cm pale fine grained sediment clasts, minor pyritic andesite clasts. CONTACT: Gradational,		CLAST, very minor pyrite disseminated, Minor andesite/dacite clasts with abundant disseminated pyrite..	170		BEDDING, D 60, FAULT, D 35, Pug.
179.40	186.20	BRECCIA Grey, Pink, Coarse grained, Clast supported, Polymict, Clasts are smaller and more packed. Clasts types include siltstone, andesite, dacite. This zone contains abundant fine grained pyrite clasts, frequent pyrite/galena/sphalerite and common 1 to 4mm red brown sphalerite clasts. Many clasts are attenuated. Minor 40cm altered dacite clasts. CONTACT: Conformable abrupt,		CLAST, minor pyrite massive, very minor sphalerite massive, very minor sulphide massive, Minor attenuated 1 by 2cm clasts of galena, sphalerite and minor pyrite, minor 2 to 5mm red brown massive sphalerite clasts, and minor massive pyrite clasts..	180		
186.50	188.50	SILTSTONE Grey, Fine grained, Laminated, at 88 degrees to 172.		DISSEMINATED, very minor pyrite disseminated, Minor pyrite clasts..	190		
		BRECCIA Grey, Pink, Coarse grained, Brecciated, Polymict, Lithic, Similar to above interval but with increasing andesite clast abundance. Note 4m white siliceous altered ? clast, and pyrite clasts still common. CONTACT: Conformable abrupt, at 7 degrees to LCA.					
							BROKEN CORE, Minor sericite and minor pug on broken faces.

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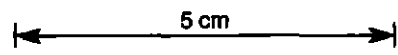
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DESCRIPTION				GRAPHIC			STRUCTURES
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225.50	230.80	ANDESITE Green, Medium grained, Massive, Similar to previous andesite interval. CONTACT: Faulted, Very sharp contact with minor rotated wedge, but no associated cleavage or shearing.	Slightly Sericitised, Slightly Oxidised.				
230.80	237.30	PUMICEOUS MASS FLOW Pink, Grey, Massive, Feldspar phytic, Abundant 1-3mm salmon pink feldspars in fine grained pale grey sericite altered groundmass. CONTACT: Conformable abrupt,	Moderately Albitised, Moderately Sericitised.		230		
237.30	237.70	SILTSTONE Pale, Grey, Fine grained, Massive, CONTACT: Conformable abrupt, at 50 degrees to LCA.					
237.70	253.40	PUMICEOUS MASS FLOW Grey, Green, Massive, Cleaved, Feldspar phytic, Abundant pink feldspars, minor pink rounded altered dacite? clasts in pale grey sericite matrix, cleavage increasing down hole. CONTACT: Gradational,	Moderately Sericitised.		240		
					250		

BROKEN CORE, Pug, Breccia, Zone of pug, crush breccia, quartz carbonate veining and disruption.

FIRST CLEAVAGE, 0 45,

FAULT, 0 35, Pug, Quartz, Chlorite.



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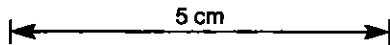
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253.40	289.40	PUMICEOUS MASS FLOW Grey, Green, Cleaved, Feldspar phytic, Lithic, Zone of uniform highly cleaved sericitic matrix, feldspar phytic with sporadic rounded 2 to 5cm pink siliceous altered dacite clasts, and abundant 1 to 3mm similar clasts. Note clasts resemble those found in dark green (basaltic) matrix in Newton Creek spillway.	Highly Sericitised, Slightly Silicified.			Lith	
					260		FIRST CLEAVAGE, D 90,
					270		
					280		FIRST CLEAVAGE, D 90,



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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					280			FIRST CLEAVAGE, 0 00.
					290			
					300			

5 cm

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