PASMINCO EXPLORATION

DIAMOND DRILL CORE LOG

HOLE No. YNC8

PROJECT: YOLANDE: NEWTON CREEK

Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
0.00	8.10	DACITE MIXED WITH BRECCIA AND SANDSTONE Pale, Green, Very coarse grained, Hyaloclastitic, Reworked, Lithic, Autoclastic dacite mixed with sandstone and polymict? breccia. Contains clasts of underlying sandstone, rounded white siliceous clasts, and sericitised patches. Rock has a flattened appearance. CONTACT: Indistinct.	Slightly Sericitised.	DISSEMINATED. very minor pyrite associated with alteration.	0			FIRST CLEAVAGE, A 40.
8.10	10.00	SANDSTONE CONTAINING CLASTS OF DACITE Grey, Medium grained, Massive, Composed of well sorted lithic fragments with abundant disseminated pyrite. CONTACT: Gradational.	Slightly Oxidised.	DISSEMINATED. abundant pyrite disseminated. Homogenious distribution. Assay for gold..	10			BEDDING. A 40.
10.00	38.50	BRECCIA MIXED WITH DACITE Green, Grey, Very coarse grained, Poorly sorted, Polymict, Hyaloclastitic dacite mixed with upwards fining breccia to sandstone. Common disseminated pyrite. Matrix pumiceous in part. CONTACT: Conformable abrupt, at 60 degrees to LCA.	Moderately Silicified. Moderately Sericitised.	DISSEMINATED. trace pyrite disseminated.	20			FAULT. Breccia, Quartz, Chlorite. Infilled with white quartz, and chlorite veining.
								BROKEN CORE.

5 cm

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HOLE No. YNCB

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Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		5 cm			30			FAULT, A 55, Brittle, Quartz, Carbonate. Approximatley vertical striking NW (from angle to cleavage).
		BLACK SHALE Dark, Grey, Fine grained, Laminated, Upwards fining sequence, The graded top of the underlying breccia unit . Contains fine bands of pyritic sandstone. CONTACT: Gradational,						BEDDING, A 70,
38.50	39.30	BRECCIA MIXED WITH DACITE Buff, Very coarse grained, Hyaloclastitic, Polymict, Pyritic altered polymict breccia with minor large (30cm) dacite clasts. Clasts are typically pale green basalt?, pink siliceous dacite? and sandstone with abundant feldspar and minor quartz crystals. CONTACT: Faulted, White quartz - carbonate vein at contact.	Moderately Sericitised.	DISSEMINATED, very minor pyrite disseminated.				FAULT, A 65, Brittle, 30mm breccia to pug no rock type change, sub-vertical (from angle to cleavage).
39.30	44.00		Moderately Sericitised.		40			FIRST CLEAVAGE, A 40,
								FAULT, Shear, Reverse movement, West side up approximate dip 30, strike NW-SE.
44.00	47.20	BRECCIA MIXED WITH DACITE Buff, Green, Very coarse grained, Hyaloclastitic, Upwards fining sequence, Polymict, Minor dacite clasts of uniform size mixed in an upwards fining poorly sorted polymict breccia. Sediment is pyritic and sericitic. CONTACT: Gradational,	Moderately Sericitised.					VEIN, Quartz, Carbonate, Chlorite. Massive white quartz with minor carbonate and chlorite, lower contact broken.
47.20	48.80	SILTSTONE MIXED WITH DACITE Blue, Grey, Fine grained, Hyaloclastitic, Grey siltstone grading to distinct blue grey mudstone mixed with dacite with cuspate to feathered boundaries. CONTACT: Conformable mixed,	Slightly Sericitised,					
48.80	50.00		Moderately Bleached,					BEDDING, A 45,
50.00	63.80	SILTSTONE Buff, Grey, Fine grained, Massive,			50			
		DACITE MIXED WITH SILTSTONE Green, Grey, Medium grained, Peperitic, Monomict dacite jigsaw clasts with pale grey mudstone patches. Carbonate pyrite irregular veins at contact. CONTACT: Gradational,						FAULT, A 45, Brittle, Quartz, Pyrite.

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					60			FAULT, A 45, Brittle, Quartz, Pyrite. Sub-vertical N-S from cleavage.
								FAULT, Shear, Carbonate, Sub-vertical.
63.80	132.40	DACITE Grey, Pink, Medium grained, Massive, Feldspar phyric, Massive dacite with abundant 1 to 3mm pink feldspars. Minor zones of flow banding at 79 to 84m, and autobrecciation at 73 to 75, 102 to 105, and 118 to 123m. Minor zones of pink alteration surrounding faults at 89 to 115m.	Slightly Silicified.					VEIN. Carbonate, Pyrite, Galena. Trace galena in irregular vein eminating from but oblique to shear.
					70			FAULT, A 40, Brittle,
								PRIMARY FABRIC, A 82, Possibly flow banding.
					80			

5 cm

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HOLE No. YNCB

PROJECT: YOLANDE: NEWTON CREEK

Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
				VEIN, abundant carbonate in veins, abundant in veins, trace sphalerite disseminated, very minor fluorite on fractures,	90			BROKEN CORE, Chlorite, Quartz, Carbonate. Zone of pink alteration eminating from irregular stringer veindark chlorite,minor qtz-cb-pyrite and abundant soft white fibrous material? trace fluorite.
					100			FIRST CLEAVAGE, D 85,
					110			

5 cm

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		5 cm						VEIN, Zone of pink alteration emination from minor carbonate veining.
		BRECCIA GRADING TO SANDSTONE Buff, Grey, Very coarse grained, Poorly sorted, Upwards fining sequence, Polymict, Crystal, Clasts include black shale, siltstone, and pumice breccia, but no dacite? Zone concists of four graded beds. CONTACT: Conformable abrupt,			120			
132.40	135.50		Slightly Sericitised, Slightly Carbonatised.	DISSEMINATED, very minor pyrite disseminated, trace sphalerite disseminated,				
					130			FIRST CLEAVAGE, @ 90,
135.50	136.40	BLACK SHALE Grey, Black, Fine grained, Cleaved, Graded top of underlying unit. CONTACT: Missing,	Slightly Sericitised,	DISSEMINATED, trace pyrite associated with alteration,				
136.40	138.30	BRECCIA Buff, Grey, Very coarse grained, Feldspar phyric, Polymict, Dominated by dacite fragments towards the base, becoming more polymict upwards. Fault at 137.7 within lithology. CONTACT: Conformable mixed,	Slightly Sericitised, Slightly Silicified.					FIRST CLEAVAGE, A 60, FAULT, A 65, Breccia,
138.30	215.00	DACITE Green, Grey, Medium grained, Massive, Feldspar			140			FRACTURE, Carbonate, Pyrite, Galena. Zone of cream alteration

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		CONTACT: Conformable mixed, DACITE Green, Grey, Medium grained, Massive, Feldspar phyric, Massive dacite with abundant ubiquitous 1 to 3mm feldspars. Intensely altered (cream potassic?) at upper contact. Minor zones of salmon pink alteration throughout. Minor zones with autoclastic texture. Flow banding at 184m at 15 degrees to long core axis. Minor fine carbonate filled fractures throug			140 150 160			Pyrite, Galena. Zone of cream alteration eminating from carbonate filled fractures, minor disseminated pyrite and galena?

5 cm

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PROJECT: YOLANDE: NEWTON CREEK

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					170			
					180			
					190			

5 cm

PRSMINCO EXPLORATION
DIAMOND DRILL CORE LOG

HOLE No. YNCB

PROJECT: YOLANDE: NEWTON CREEK

Vertical Scale 1 : 200

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		5 cm			200			
		PUMICEOUS MASS FLOW Green, Grey, Coarse grained, Hyaloclastitic, Pumiceous, Feldspar phyric, Irregular zone, appears to grade into dacite at upper contact, and to be mixed with underlying siltstone, (although lower contact is faulted). Contains pink feldspars and pink dacite clasts typical of Newton Creek footwall, and chloritic patches typical of Rosebery footwall. CONTACT: Faulted,			210			FRACTURE. Zone of minor carbonate filled low angle fractures with incipient alteration.
215.00	216.70	SILTSTONE Grey, Green, Fine grained, Bedded, Upwards fining sequence, CONTACT: Conformable abrupt, at 82 degrees to 150.	Slightly Chloritised, Slightly Sericitised.	DISSEMINATED. trace pyrite associated with alteration.				FAULT. A 65. Brittle. Sub vertical. striking approximatly (320), 20 degrees west of cleavage. Angular siliceous gravel infilled with black chlorite.
216.70	217.50	DACITE Green, Grey, Medium grained, Massive, Appears to have a graded top? it could be a sill or a large clast. CONTACT: Conformable abrupt,	Slightly Carbonatised,					
217.50	218.50		Slightly Carbonatised,					BEDDING, D 90.
218.50	222.10	BRECCIA MIXED WITH DACITE Green, Grey, Very coarse grained, Peperitic, Typical upper spillway conglomerate, hyaloclastite dacite clasts fragmented in a polymict breccia. CONTACT: Conformable abrupt,			220			FIRST CLEAVAGE, D 90.
222.10	225.10	BRECCIA GRADING TO SILTSTONE Grey, Very coarse grained, Poorly sorted, Clast supported, Polymict, Two upwards fining beds. Clasts dominated by basalt and siltstone,	Slightly Sericitised,	DISSEMINATED. minor pyrite disseminated, very minor sphalerite disseminated. very minor galena disseminated. Minor spots (possible clasts) of pyrite, sphalerite,				BEDDING, D 90.

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		Poorly sorted, clast supported, Polymict, Two upwards fining beds. Clasts dominated by basalt and siltstone, are angular and packed. Minor sphalerite, sphalerite and galena and pyrite 2 to 5mm patches.		minor galena disseminated. Minor spots (possible clasts) of pyrite, sphalerite, and sphalerite/galena..				
225.10	226.00	CONTACT: Conformable abrupt,						
226.00	228.10	BRECCIA GRADING TO BLACK SHALE Grey, Black, Medium grained, Upwards fining sequence, Polymict, Irregular upwards fining bed grading to black shale.	Slightly Carbonatised.	DISSEMINATED, very minor pyrite disseminated.				FAULT, Brittle, In black slate parralel to bedding.
228.10	242.80	CONTACT: Conformable abrupt,						BEDDING, A 70, Grading uphole, Youngind uphole, Graded bedding in fire fountain basalt fine debris.
		BLACK SHALE Grey, Black, Fine grained, Cleaved, Bedded, Irregular carbonate filled fractures throughout. Tectonic breccia at 227.5m.			230			
		CONTACT: Conformable abrupt,		DISSEMINATED, trace pyrite disseminated.				
		BASALT GRADING TO SILTSTONE Green, Medium grained, Fine grained, Laminated, Brecciated, Typical spillway "fire fountain basalt" in part but occuring in three beds with grading and laminations towards the top of each bed.						
		CONTACT: Faulted, 5mm band of carbonate at contact.			240			
242.80	282.00	PUMICEOUS MASS FLOW CONTAINING CLASTS OF DACITE Grey, Pink, Coarse grained, Pumiceous, Feldspar phyric, Typical spillway pumice breccia, abundant 1 to 3mm pink feldspars and 5 to 15mm pink perlitic dacite clasts in pumiceous matrix. Minor carbonate pyrite band at 280.6 to 281m.	Slightly Bleached.					FIRST CLEAVAGE, D 80.
		5 cm			250			FIRST CLEAVAGE, Zone of increased cleavage development and alteration.

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
					260			
					270			VEIN, Carbonate, Quartz, Chlorite. 2cm vein running along long axis of core, banded pink vfg silica? and granular carbonate and dendritic chlorite.
		5 cm						FIRST CLEAVAGE, D 75.
				VEIN, abundant carbonate in veins, vein	280			VEIN, Carbonate, Pyrite, Irregular vein/alteration

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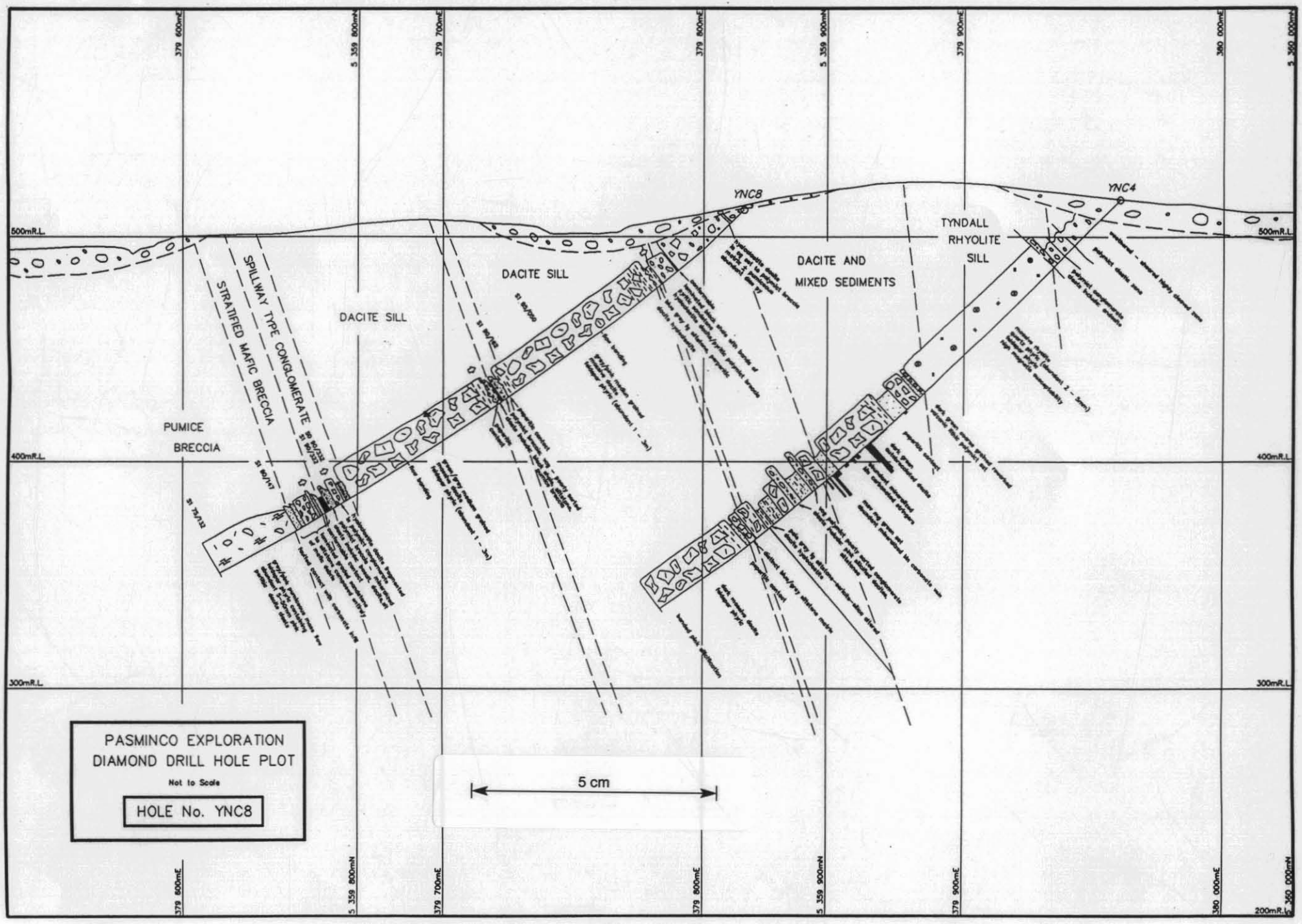
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
				VEIN, abundant carbonate in veins, very minor pyrite in veinlets.	280			VEIN, Carbonate, Pyrite, Irregular vien/alteration carbonate with minor pyrite.
					290			
					300			

5 cm


379 600mE
5 359 800mN
379 700mE
379 800mE
5 359 900mN
379 900mE
380 000mE
5 360 000mN
500mR.L.
400mR.L.
300mR.L.
200mR.L.
YNC8
YNC4
TYNDALL
RHYOLITE
SILL
DACITE AND
MIXED SEDIMENTS
DACITE SILL
DACITE SILL
SPILLWAY TYPE CONGLOMERATE
STRATIFIED MAFIC BRECCIA
PUMICE
BRECCIA
PASMINCO EXPLORATION
DIAMOND DRILL HOLE PLOT
Not to Scale
HOLE No. YNC8
5 cm