PASMINCO EXPLORATION
DIAMOND DRILL HOLE LOG

Hole ID
YNC15

DRILLING

Location	NEWTON CREEK
Project	YOLANDE
Prospect	HENTY CANAL
Design By	P.M.Quayle
Logged By	D.Gardner
Relogged	
Commenced	18 April 1995
Completed	9 May 1995
Drilled By	RTE
Drill Rig	Gopher

OBJECTIVE

To test a zone of intense pyrite-sericite-silica alteration exposed in the Henty Canal. This zone correlates with the Newton Creek "principal target horizon" and is coincident with anomalous IP.

RESULT

The South Henty Fault was a zone two metres wide of sheared sericite pug dipping at 75W. To the east altered pyritic dacites with dissapointing base metal and gold grades were intersected, to the west the influence of the fault spanned 40m of mixed sheared black shales and acid volcanics.

COLLAR SURVEY (AMG)

AMG mN	5360815.6	Bearing	112.0
AMG mE	379278.9	Dip	-58.0
mN		Hole Length	162.3
mE		DH Survey Type	Eastman single
RL	516.6		

DOWNHOLE SURVEY (AMG)

Depth	Bearing	Dip
0.0	-58.00	100.00
50.0	-57.25	99.50
100.0	-53.80	97.00
159.0	-49.50	97.00

SIGNIFICANT CORE LOSS

From	To	Loss

POOR GROUND CONDITION ZONES

From	To	Condition
71	138	Highly cleaved and broken at low angle to core axis.
138	140	Fault zone, sericitic shear, pug zone. (South Henty Fault).

HOLE SIZE

From	To	Size
0	162.3	BQ

HOLE CONDITIONS AFTER COMPLETION

Collar	
Steel Casing	
PVC Casing	
Ground Water	NIL
Wedge	
Drill Pad	Site left clean and tidy.

SIGNIFICANT INTERSECTIONS

From	To	Int	Cu	Pb	Zn	Ag	Au	Comments

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Vertical Scale 1 : 250

DESCRIPTION					GRAPHIC			
From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
0.00	13.50	SILTSTONE WITH MINOR BLACK SHALE WITH MINOR GREYWACKE Brown, Grey, Fine grained, Bedded, Foliated, Beds generally 15mm thick, felspar rich where coarser, volcaniclastic CONTACT: Gradational,	Moderately Oxidised.		0 10			
13.50	24.40	SANDSTONE AND SILTSTONE WITH MINOR SHALE Brown, Grey, Medium grained, Bedded, Foliated, Feldspar rich, some finer shaley beds up to 1cm CONTACT: Conformable abrupt,			20			BEDDING, A 20, Bedding 0-30 to LCA
24.40	25.60	SHALE GRADING WITH SILTSTONE Dark, Grey, Fine grained, Bedded, Foliated, Slatey cleavage, slickensided, with some bronze mica on cleavage planes CONTACT: Conformable abrupt,						BEDDING, A 25, Bedding in places
25.60	35.00	SANDSTONE AND GREYWACKE Grey, Brown, Medium grained, Coarse grained, Bedded, Foliated, Lithic, Many coarser lithics are silicified ?mudstone fragments (stretched out into foliation), and there is probably a high felsic (volcanic) component, coarse beds (lithics to 5mm) at 32 and 34m CONTACT: Indistinct,			30			BEDDING, A 10,
35.00	39.20	SILTSTONE AND SHALE WITH MINOR SANDSTONE Dark, Grey, Fine						

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35.00	39.20	SILTSTONE AND SHALE WITH MINOR SANDSTONE Dark, Grey, Fine grained, Bedded, Foliated, Beds 1 to 20mm thick CONTACT: Conformable abrupt,						
39.20	41.80	SANDSTONE AND GREYWACKE WITH MINOR SILTSTONE Grey, Fine grained, Medium grained, Bedded, Foliated, CONTACT: Conformable abrupt,						BEDDING, A 30, Foliation is parallel to beeding
41.80	71.00	SILTSTONE AND BLACK SHALE INTERBEDDED WITH SANDSTONE AND GREYWACKE Grey, Brown, Fine grained, Medium grained, Bedded, Foliated, The coarser sst beds are felsic and lithic, probably with a volcanic component, and are up to 5cm thick CONTACT: Indistinct,		DISSEMINATED, very minor pyrite in veins, in an area of strong quartz carbonate veining. DISSEMINATED, trace pyrite in veins, usually associated with quartz and/or carbonate veining, eg 70.3m.	40 50 60 70			BEDDING, A 20, Bedding 10-20 to LCA BEDDING, A 20, Strong micro faulting and some possible soft sediment deformation BEDDING, A 45, Rapidly changing bedding is indicative of folding? BEDDING, A 30.
		ACID VOLCANICLASTIC AND ALTERATION ZONE Green, Grey,						

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		ACID VOLCANICLASTIC AND ALTERATION ZONE Green, Grey, Foliated, Schistose rock with quartz and sericite rich bands, with minor carbonate and chlorite, probably originally a felsic glassy volcaniclastic, Thin Section required CONTACT: Indistinct,			70			BEDDING, A 20,
71.00	75.00		Highly Sericitised, Moderately Silicified, Slightly Chloritised,					FIRST CLEAVAGE, A 45, Schistose, Strong.
75.00	84.50	SILTSTONE Dark, Grey, Fine grained, Laminated, Foliated, CONTACT: Indistinct, INTERMEDIATE LAVA Green, Grey, Medium grained, Foliated, Feldspar phyric, Coherent sericite rich rock, with abundant chlorite and leucoxene suggesting an intermediate glassy? lava as a protolith Thin Section required CONTACT: Indistinct,	Highly Sericitised, Slightly Silicified, Slightly Chloritised,		80			BEDDING, A 40,
84.50	94.00	INTERMEDIATE VOLCANICLASTIC GRADING WITH ACID VOLCANICLASTIC AND ALTERATION ZONE Green, Yellow, Foliated, Sericite (quartz, chlorite) rock, possibility from a clastic protolith (a few small sections have chlorite replaced phenocrysts and quartz eyes, more like the interval below CONTACT: Indistinct,	Intensely Sericitised, Moderately Silicified,		90			FIRST CLEAVAGE, A 40, Schistose, Strong.
94.00	108.00	INTERMEDIATE LAVA Green, Grey, Medium grained, Porphyritic, Foliated, Crystal, Coherent sericite quartz chlorite textures suggest a strong phenocryst component and possible amygdales?? now replaced with quartz (these are S shaped cutting across foliation), probably was an intermediate lava, some more clastic textures maybe breccias Thin Section required CONTACT: Indistinct,	Highly Sericitised, Moderately Silicified, Slightly Chloritised,		100			

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
108.00	112.20	ACID VOLCANICLASTIC AND ALTERATION ZONE Green, Yellow, Foliated, Sericite quartz rock totally altered, rare possible fragmental textures (mainly quartz caught up in sericite defined foliation), possibly clastic as tit is much more altered than adjacent coherent volcanics, Thin section required CONTACT: Gradational,	Intensely Sericitised, Highly Silicified.					FIRST CLEAVAGE, A 35, Strong.
112.20	128.90	ACID VOLCANICLASTIC AND ALTERATION ZONE AND BLACK SHALE Yellow, Black, Sheared, Foliated, Sericite quartz rock as before but with numerous intervals (interbeds?) of black graphitic shale & minor greywacke? The sediments increase the probability that the altered volcanics are clastic (vitric tuff?), 117.4-120m has little shale though the proportion generally increasing downhole CONTACT: Gradational,	Highly Sericitised, Highly Silicified.	DISSEMINATED, pyrite in veins, associated with alteration, usually associated with quartz and/or carbonate veining.	110 120			FIRST CLEAVAGE, A 40, Strong.
128.90	138.00	ACID VOLCANICLASTIC AND ALTERATION ZONE Yellow, Pink, Foliated, Sheared, Quartz sericite rock after felsic (pink) volcanic (lava or clastic?) now has sericite wrapping around silicified slugs CONTACT: Indistinct,			130			FIRST CLEAVAGE, A 25. Strong, Foliation 25-30 to LCA, numerous graphitics shears parallel to this
138.00	140.00	ALTERATION ZONE DEFORMED ZONE Grey, Yellow, Sheared, Fault/shear zone with quartz sericite rock and graphitic shale sitting in sericitic pug CONTACT: Indistinct,	Highly Sericitised, Moderately Silicified.		140			A 40, Shear, Pug, Numerous small shears
140.00	162.30		Moderately Silicified.					FAULT, Shear, Pug,

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From	To	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Structures	STRUCTURES
		shale sitting in sericitic pug	Moderately Silicified,		140			
140.00	162.30	CONTACT: Indistinct, INTERMEDIATE LAVA GRADING WITH ACID LAVA Grey, Pink, Medium grained, Foliated, Feldspar phyric, A silicified (sericitised) felsic lava with numerous pink silicfied? feldspar phenocrysts in a fine silicified felsic matrix, it is hard to see any textures at the top of the interval but the coherent texture becomes clearer downhole as the rock becomes more obviously porphyritic, abundant leucoxenes, possible clastic textures are brecias or alteration, Thin Section required	Moderately Silicified, Moderately Sericitised,		150			FAULT, Shear, Pug, FIRST CLEAVAGE, A 30, Moderate foliation at 20-30 to LCA, some small shear eg 152.8m
					160			
					170			