

PACIFIC RIDGE EXPLORATION

HOLE ID# IMP-27

Project Mariposa

Easting 625630

Northing 6989570

Grid Zone Z-7

Collar Elevation

Bearing/Inclination

Core size

0°/-50°
NQ

Total Depth

Scale

197.21m

Geologist

Geotechnician

Date August 11, 2011

Sheet 1 of 10

		GRAPHIC LOG						DESCRIPTION	Samples			OXIDATION			MINERALIZATION					ALTERATION							VEINS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
From	To	Lit. code	Lith		Vn	Struct.			From	To	Tag #	Intensity	Colour	Form	Py	Cpy	BL	MT	HEM	Minerals							Limonite	Lim+Qz	Qz	Py	Py+Qz	KSP	Carbonates																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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3.05-8.30 → Weathered diorite; Brownish-orange color; Broken core; Limonite + "goethite" occurred along surface planes; Moderate clay altered; Very low recovery.

8.30-18.82m → Diorite; Brownish-grey color; Fine to medium grained; Weak sericite alteration; It occurred as patches; Moderate Limonite alteration low to moderate Limonite vein density. Primary foliation (texture) can be seen; Foliation attitude is:

18.82-19.46m → Qtz vein; White/clean Qtz; clay altered in the footwall. Limonite vein parallel to CA.

FOL 42°
42°

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Core size NQ

Total Depth 197.21
Scale

Geologist Date August 11, 2011
Geotechnician Sheet 2 of 10

From	To	GRAPHIC LOG						DESCRIPTION	Samples			OXIDATION			MINERALIZATION					ALTERATION										VEINS								
		Lit. code	Lith		Vn	Sulf/Ox.	Struct.		From	To	Tag #	Intensity	Colour	Form.	Py	Cpy	BL	MT	HEM	Minerals										Limonite	Lim+Qz	Qz	Py	Py+Qz	KSP	Carbonates	Silicification	
			Gen	Full			Type													ATCA	BL	Chl	Ep	Carbonates	Biotite	Sericite	KSP	Clays										
20	19.46	22.23	Dio/ Qvn	++ Dio/ Qvn		Qtz FeOx 52°		19.46-22.23m → Diorite; Brown color; Moderate oxidation; Moderate silicified core; Moderate-strong Qtz veinlets oriented 52° to CA. (Thickness 2-5 mm).	19.5	21.0	21765	3	B	FP											2			3	3	3					3			
21									STD-CON	GS-4B	21766																											
22									21.0	22.23	21767	3	B	FP											2			3	3	3				3				
23	22.23	26.15	Qvn	++ Qvn		Qtz		22.23-26.15m → Strong qtz vein density; Moderate sericitization; Qtz veins thickness (5mm to 5cm) limonite stringers occurred parallel to qtz veins. Vein attitude 58°-62° to CA.	22.23	23.50	21768	2	BO	FP											3		3	2	2	4								
24									23.50	24.50	21769	2	BO	FP											3		3	2	2	4								
25									24.50	25.50	21770	2	BO	FP											3			2	2	4								
26									25.50	26.50	21771	2	BO	FP											3			2	2	4								
27	26.15	36.0	Dio	++ Dio Ox		FOL	62°	26.15-36.0 m → Diorite; Gray-Light brown color; Fine to medium grained; Moderate foliated rock; Fe-Oxides (Limonite) occurred as selvages and surface planes. Very weak sericitization. Foliation attitude is: 62° to CA	26.50	28.0	21772	2	B	F											2			2										
28									(BLK)		21773																											
29									28.0	29.5	21774	3	B	F														2										
30									29.5	31.0	21775	2	B	F											2			2										
31																																						
32									31.0	32.5	21776	3	B	F														2										
33									32.5	34.0	21777																	2										
34									STD-CON	GS-4B	21778	3	B	F																								
35									34.0	35.0	21779	1	B	F													1		2									
36									35.0	36.0	21780	1	B	F																								
37	36.0	38.39	Dio	++ Dio		FOL	65°	36.0-38.39: Diorite; Gray color; Fine to medium grained; Less altered rock; Very weak sericitization. Moderate-strong foliation oriented 65° to CA.	36.0	37.5	21781															1												
38									Dup of	(21781)	21782																											
39	38.39	41.85	Dio	++ Dio Ox				38.39-41.85m → Diorite; Oxidized rock; Moderate foliated; Pervasive oxidation.	37.5	38.39	21783																											
40									38.39	39.4	21784	2	B	P													1		2									

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Geologist _____ Date August 11, 2011
Geotechnician _____ Sheet 3 of 10

[illegible]

Mariposa

August 11, 2011

GRAPHIC LOG										To		From		
Lit. code		Lith	Full	Sulf/Ox.	Type	ATCA	DESCRIPTION					From	To	
63.65	66.30	AND/DIO	AND				63.65-66.30 → Andesite: Dark green/brown color; Aphanitic texture; Moderate oxidized core; Gneissite ± Limonite (as traces).	640	655	21805	2	RB	P	
66.30	74.60	Bx	DIO				66.30-74.60 → Brecciated dioritic rock: Clast support; subrounded-subangular clasts; Chlorite ground-mass; Carbonate ± epidote occurred as alteration holes in the clast margins; Main brecciated zone-tation is 5-10% to CA (Groundmass has similar composition than andesite).	680	690	21809	3	1	1	
74.60	77.60	DIO					74.60-77.60 → Diorite: Grey color; Very fine grained Qtz + carbonate + Fe-Oxides veinlets oriented 23° to CA oriented 67° to CA Broken quartz vein; Moderate strong vein density	745	760	21817	2	B	F	
77.60	81.27	Qvn	Qvn					77.60-81.27m → Qtz vein: Limonite stringers/veinlets oriented 67° to CA Broken quartz vein; Moderate strong vein density	77.6	790	21819	3	B	F
									790	81.27	21821	3	B	F

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Project Mariposa

Easting 625630 Grid Zone 7-7
Northing 6989570 Collar Elevation

Bearing/Inclination 0°-50°
Core size NQ

Total Depth 197.21 m

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Easting 625630 Grid Zone 7-7
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Bearing/Inclination	$0^{\circ} - 50^{\circ}$
Core size	NQ

Total Depth 197.21m
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Northing	6989570	Collar Elevation	

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