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# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH09  
SHEET 1 of 2  
REFERENCE No H11008

PROJECT Noonan Range Geotechnical Investigation  
LOCATION Cut 4 - Ch.25640 - O/S 5m North East of Survey Peg COORDINATES 492333.0 E; 7100967.9 N  
PROJECT No FG5917 SURFACE R.L. 48.09m PLUNGE \_\_\_\_\_ DATE STARTED 24/3/11 GRID DATUM MGA94  
JOB No 128/14/19 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 24/3/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ( ) %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	IN	N	J	VL	EL		
0	48.09				<b>Silty CLAY</b> Mottled grey, moist, with organics.											
47.49																
1				A	<b>SHALE</b> <b>XW:</b> Grey, fine grained fissile with engineering properties of stiff clayey silt. Rock structure visible.		XW								26,30/100mm N>50	SPT
2				B											30/130mm,30/80mm N>50	SPT
45.69			(33)		<b>SANDSTONE</b> <b>Fine to medium grained sedimentary rock</b> <b>MW:</b> Pale brown, medium strength, minor thin shale interbeds dipping at 45°.  Contains frequent clay bands <100mm thick at 3.5m, 4.2m and 4.85m.  Major defects dip at 10°, 45° and 80°.		MW									
100			(50)		Defect planes are iron stained or thick clay infilled.											
100			(0)													
43.09			(42)		<b>SANDSTONE</b> <b>SW:</b> Grey, fine to medium grained, medium to high strength, massive with minor very thin shale interbeds in parts dipping at 20°-30°.  Major defect sets dip at 10°, 50° and 80°. Steep defects are prominent and often closed.  Defect planes are mainly brown iron stained with some also with thin clay infill.										Is(50) = 1.45MPa	o
100			(50)												Is(50) = 2.33MPa Is(50) = 1.49MPa	x o
100			(53)				SW									
100			(40)												Is(50) = 0.64MPa Is(50) = 1.52MPa	x o

REMARKS \_\_\_\_\_

LOGGED BY  
JM



# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
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BOREHOLE No BH09  
SHEET 2 of 2  
REFERENCE No H11008

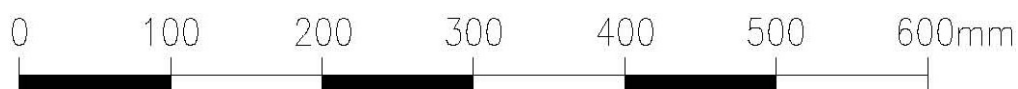
PROJECT Noonan Range Geotechnical Investigation  
LOCATION Cut 4 - Ch.25640 - O/S 5m North East of Survey Peg COORDINATES 492333.0 E; 7100967.9 N  
PROJECT No FG5917 SURFACE R.L. 48.09m PLUNGE \_\_\_\_\_ DATE STARTED 24/3/11 GRID DATUM MGA94  
JOB No 128/14/19 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 24/3/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ( ) % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	IN	NL	VL	EL			
10	38.09				<b>SANDSTONE SW: (Cont'd)</b>												
11			100 (54)														
12	35.99		100 (57)		<b>SANDSTONE SW:</b> Light grey, fine to medium grained, massive, very high strength.  Defect sets at 10° and 30°.  Defect planes are brown and iron stained.	SW										UCS=126MPa	
13			100 (100)													Is(50) = 6.86MPa Is(50) = 6.56MPa	x o
14	33.69		100														
15					Borehole terminated at 14.4m												
16																	
17																	
18																	
19																	
20																	

REMARKS \_\_\_\_\_

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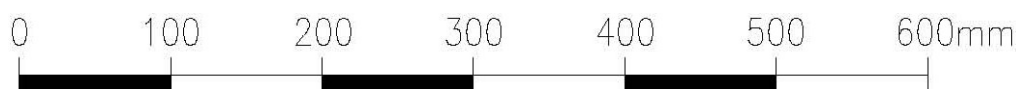
Project: **NOONAN RANGE**  
 Borehole No: **BH 9**  
 Start Depth: 2.40m  
 Finish Depth: 14.40m  
 Project No: FG 5917  
 H No: 11008



SCALE 1:5

F:GEOT043/1

Project: **NOONAN RANGE**  
Borehole No: **BH 9**  
Start Depth: 2.40m  
Finish Depth: 14.40m  
Project No: FG 5917  
H No: 11008



SCALE 1:5

F:GEOT043/1