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							_		FINAL 1	7/03/2016
					GE	OTECHNICAL		BOREHOLE No	В	H273
			ensland		BC	REHOLE LOG		Sheet	: 1 of 2	
135		30V(	ernment	SY		GEOTECHNICAL TERMS AND REFER FORM F:GEOT 017/8-2014		REFERENCE No	H	12425
PROJECT	Mackay	r Ring Ro	bad							
LOCATION	Port Ra	il Overp	ass					COORDINATES 721214.8	8 E; 76633	04.0 N
PROJECT No	FG6184	ļ	SURFACE RL 20.93m	PLU	JNGE S	00° DATE STAF	RTED 24/09/2015	GRID DATUM	GDA 94 / I	MGA Z55
JOB No	242/10	G/906	HEIGHT DATUM A.H.D.	BEA	RING_	DATE COMPLI	ETED 24/09/2015	DRILLER	Saxon Dril	ling
DEPTH (m) (m)	R IBORING DRILLING	RQD () % J J J J J J J J W Y S ORE EC %	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT DEFECT STRENGTH SPACING 표근도고고 실패 입유이도로 같		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 19.93			Silty CLAY (Alluvium) Dark grey to black, moist, soft. Low plasticity.		(CL)					
19.13		A	Silty SAND (Alluvium) Brown, dry, loose. Fine grained sand. GRANODIORITE (Kgwu	×	(SM)				2, 4, 5 N=9	SPT
2		В	) XW: Recovered as pale brown, dry, very dense, silty sand. Fine grained sand.	- L -	1				9, 10, 30/140	SPT
17.73		(0)	GRANODIORITE (Kgwu )	+++++++++++++++++++++++++++++++++++++++	нw	EL UC			17, 10/10 hb	SPT D (3.25m)
- - - - - - - - -		1 <u>00</u> (0)	HW: Brown, medium to coarse grained, massive, generally very lo to medium strength. Js: 5° to 30°; (8/m); PI/Sm; TI; Fe St Js: 30° to 60°; (5/m); PI/Sm; TI; Fe	+ +	xw		3.80m-4.35m: XW z	one; sandy clay; Isi	(50)=0.08 MPa (50)=0.08 MPa	D (3.68m) - - - - - - - - - - - - - - - - - - -
5 <u>5</u> 555		1 <u>00</u> 13)	St; GRANODIORITE (Kgwu ) MW: Brown and grey, medium to	+ + + + + + + + + + + +	HW			Is	(50)=1.50 MPa	D (4.56m)      
- - - - - - - - - - - - - - - - - - -		1 <u>00</u> 45)	coarse grained, massive, generally medium to high strength. Js: 5° to 30°; (5/m); PI/Sm-Ro; TI-O Fe St;	÷.	1	H-VH C			(50)=0.22 MPa	A (5.90m) -
		100	From 6.43m: Js: 5° to 15°; (3/m); Pl/Sm; OP; some Cly FL; Js: 30° to 45°; (2/m); Pl/Sm; OP;	+ + + + + +		VH C	6.37m: Clay seam; 5 6.45m: Clay seam; 1 6.85m: Clay seam; 1	10°; 10mm; Isi	(50)=0.47 MPa S=140.00 MPa	A (6.46m) 
		81)		· · · · · · · · · · · · · · · · · · ·	ł	н				
- - - - - - - - - - - - - - - - - - -		100 32) 100 27)	From 8.75m: Js: 5° to 15°; (3/m); PI/Sm; TI; Fe St, some Cly C	· · · · · · · · · · · · · · · · · · ·	1	H C M E VH C	9.70m: Clay seam;	Isi HW Isi	(50)=1.70 MPa (50)=7.90 MPa (50)=1.20 MPa	D (8.20m) - A (8.35m) - - A (8.67m) - - - - - - - - - - - - - - - - - - -
10.93		100	Contra da la contra da la	+		H-VH VC	10.00m-10.25m: H\	V HFZ		
REMAR	KS: Kg	wu = W	Continued on next sheet Vundaru Granodiorite					LOGGED BY		<b>WED BY</b> Foley
			ТМ	R GEOTEC	HNICAL B	OREHOLE LOG - CREATED WITH HOLEBASE SI			<u>J</u> .	, UIC y

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									_		FINAL 1	7/03/2016
A. A.	逾	G m	_			C	GEOTECHI	NICAL		BOREHOLE No	В	H273
X		Ð	Qu	le	ensland	E	BOREHOL	e log	_	Sheet	2 of 2	
Government		ernment		FOR GEOTECHNICAL T BOLS REFER FORM F:G			REFERENCE No	H	12425			
PROJECT		Macl	kay Rin	g Ro	bad							
OCATION		Port	Rail Ov	erp	ass				_	COORDINATES 721214.8	E; 76633	04.0 N
ROJECT No		FG61	.84		SURFACE RL 20.93	n PLUNG	IGE 90°	DATE STARTE	D 24/09/2015	5 GRID DATUM	GDA 94 / I	MGA Z55
OB No	-	242/	10G/90	06	HEIGHT DATUM A.H.D.	BEARIN	NG	DATE COMPLETE	D 24/09/2015	5 DRILLER	Saxon Dril	ling
(m) DEPTH (m) DEPTH (m)	AUGER (	CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION			DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- 11 - 11			(43) <u>100</u> (100)		GRANODIORITE (Kgwu ) MW: (Cont'd) Js: 10° to 20°; (5/m); PI/Sm; occasional infill. GRANODIORITE (Kgwu ) SW: Grey, medium to course grained, very high strength. Js: 10°-30°(3/m), PI/Sm, OP,	TI;	SW VH			Is(	50)=1.70 MPa 50)=9.60 MPa 50)=1.20 MPa	-
- 12 8.9 - 13 - 13 - 13 - 14 - 14 - 15 - 17 - 18 - 19 - 19	3		100		Borehole completed at 12.0	•••						-
			·		(undersu Creare l'all'							
REMA	AKKS	5: K	.gwu =	= W	/undaru Granodiorite					LOGGED BY		EWED BY
						TMP GEOTECHIN	IICAL BOREHOLE LOG - CREATED			M.Ensor	S.	Foley

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## CORE PHOTO LOG

DEPARTMENT OF TRANSPORT AND MAIN ROADS Geotechnical Section 35 Butterfield Street, Herston Qld 4006 Phone 07 3066 3336



Project Name	Mackay Ring Road Stage 2		
Project No.	FG 6184	Date	24/09/15
Borehole No.	BH 273	TMR H No.	H12425
Location	Port Rail Overpass Abutment A	Start Depth (m)	3.20
Detail		Finish Depth (m)	12.00
Chainage		Submitted By	BW
Remarks			
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