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**Queensland
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**GEOTECHNICAL
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH07**

Sheet 1 of 4

REFERENCE No **H12968**

PROJECT	Boyne River Bridge Repalcement		
LOCATION	Pier 3, LHS	COORDINATES 323458.0 E; 7159891.2 N	
PROJECT No	FG6482	SURFACE RL 114.35m	PLUNGE 90°
			DATE STARTED 01/09/2017
			GRID DATUM MGA Z56
JOB No	249/435/375550	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 02/09/2017
			DRILLER NorthCoast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	113.85				Sandy GRAVEL (Fill) Brown, dry, very loose to loose. Fine to coarse grained gravel, sub rounded. Trace cobbles.	(GP)					
1				A	Sandy GRAVEL (Alluvium) Brown, moist, very loose. Fine to medium grained gravel, sub rounded. Medium to coarse grained sand. Trace cobbles.					1, 1, 1 N=2	SPT
2				B						2, 1, hw N=1	SPT
3				C	3.0m: Becoming loose.					8, 5, 3 N=8	SPT
4				D		(GP)				5, 3, 3 N=6	SPT
5				E						5, 4, 5 N=9	SPT
6				F	6.0m: Becoming medium dense.					5, 5, 14 N=19	SPT
7	107.15			G	Silty CLAY (Alluvium) Grey brown, wet, soft.	(CI)				2, 1, 1 N=2	SPT
	106.65			H							DIST
8				I	Sandy GRAVEL (Alluvium) Grey brown, wet, medium dense to dense. Fine to medium grained gravel, sub angular to sub rounded. Medium to coarse grained sand. Trace cobbles, silt.					15, 16, 14 N=30	SPT
9				J		(GW)				15, 11, 10 N=21	SPT
	104.35										

Continued on next sheet

REMARKS: Je1 - Evergreen Formation.

LOGGED BY	REVIEWED BY
M. de Gee	S. Foley



Queensland Government

GEOTECHNICAL BOREHOLE LOG

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BOREHOLE No BH07

Sheet 2 of 4

REFERENCE No H12968

PROJECT: Boyne River Bridge Repalcement
LOCATION: Pier 3, LHS
COORDINATES: 323458.0 E; 7159891.2 N
PROJECT No: FG6482 SURFACE RL: 114.35m PLUNGE: 90° DATE STARTED: 01/09/2017 GRID DATUM: MGA Z56
JOB No: 249/435/375550 HEIGHT DATUM: AHD BEARING: ° DATE COMPLETED: 02/09/2017 DRILLER: NorthCoast Drilling

Main borehole log table with columns: DEPTH (m), R.L. (m), AUGER, CASING, WASHBORING, CORE DRILLING, RQD (%), CORE REC %, SAMPLE, MATERIAL DESCRIPTION, LITHOLOGY, USCS WEATHERING, INTACT STRENGTH, DEFECT SPACING, ADDITIONAL DATA AND TEST RESULTS, SAMPLES TESTS.

REMARKS: Je1 - Evergreen Formation.
LOGGED BY: M. de Gee
REVIEWED BY: S. Foley



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BOREHOLE No **BH07**

Sheet 3 of 4

REFERENCE No **H12968**

PROJECT	Boyne River Bridge Repalcement				
LOCATION	Pier 3, LHS		COORDINATES 323458.0 E; 7159891.2 N		
PROJECT No	FG6482	SURFACE RL	114.35m	PLUNGE	90°
				DATE STARTED	01/09/2017
				GRID DATUM	MGA Z56
JOB No	249/435/375550	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	02/09/2017
				DRILLER	NorthCoast Drilling

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CONE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
													EH	VH	H	M	L	VL	EU	EC	VC	C	M	W	VW	EW
20.10	90.10		97.5 (10)			SILTSTONE (Je1) MW: Cont'd.	MW		VL		20.10m-20.20m: BZ	Is(50)=0.39 MPa Is(50)=0.44 MPa	D (20.04m) A (20.05m)
20.52							MW		LM		20.52m-20.57m: HFZ		
20.74									VL		20.74m-20.80m: HFZ	Is(50)=0.08 MPa	D (20.70m)
20.90									VL	VC	20.90m-21.20m: HFZ	Is(50)=0.16 MPa	A (20.71m)
21.75			100 (15)				MW		LM		21.75m-21.85m: HW BZ		
22.28			100 (14)				HW		VL-L		22.28m-22.37m: CZ		
22.40											22.40m-22.60m: BZ		
22.73			100 (58)				MW		MH	C		Is(50)=1.20 MPa Is(50)=0.42 MPa	D (22.73m) A (22.75m)
23.07												Is(50)=0.77 MPa Is(50)=0.50 MPa	D (23.07m) A (23.08m)
23.72							HW		VL	COL	23.72m-23.86m: XW		
24.17			100 (18)			CONGLOMERATE (Je1) MW: Pale grey minor brown, fine to medium gravel, clay matrix, medium to high strength. J: 10° Pl/Ro, OP, Cn. J: 90° Un/Ro, OP, Cn.	HW		H	C			
24.19							MW		LM		24.17m-24.25m: HW		
24.38							MW		MH		24.19m-24.25m: HFZ		
24.85							HW		LM		24.38m-24.45m: XW		
24.85			100 (49)			SANDSTONE (Je1) MW: Grey pale brown, fine to medium grained, medium to thickly bedded, medium strength. BP: 0°-10 (3-4/m), Pl/Ro, OP, Vn-Ct. Js: 30°-40° (1/m), Pl/Ro, OP, CN. J: 80° (1/5m), Pl/Ro, OP, CN.	MW		LM	VC	24.85m-25.05m: HFZ	Is(50)=0.35 MPa Is(50)=0.07 MPa	D (25.15m) A (25.25m)
25.75												Is(50)=0.74 MPa Is(50)=1.20 MPa	D (25.75m) A (25.78m)
26.70							MW		M		26.70m-26.80m: HFZ		
26.90			100 (97)							C		Is(50)=0.65 MPa Is(50)=0.59 MPa	D (26.90m) A (26.92m)
27.30												Is(50)=0.21 MPa Is(50)=0.31 MPa UCS=2.35 MPa	D (27.30m) A (27.31m) (27.47m)
28.26												Is(50)=0.80 MPa Is(50)=1.10 MPa	D (28.26m) A (28.27m)
29.55							SW		M	M		Is(50)=0.61 MPa Is(50)=0.64 MPa	D (29.55m) A (29.60m)

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REMARKS: Je1 - Evergreen Formation.

LOGGED BY	REVIEWED BY
M. de Gee	S. Foley



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BOREHOLE No **BH07**

Sheet 4 of 4

REFERENCE No **H12968**

PROJECT Boyne River Bridge Repalcement
 LOCATION Pier 3, LHS COORDINATES 323458.0 E; 7159891.2 N
 PROJECT No FG6482 SURFACE RL 114.35m PLUNGE 90° DATE STARTED 01/09/2017 GRID DATUM MGA Z56
 JOB No 249/435/375550 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 02/09/2017 DRILLER NorthCoast Drilling

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH						DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
								EH	VH	H	M	L	VL				EL	EC	VC	C	M	W	VW	EW
31			100 (86)		SANDSTONE (Je1) MW: Cont'd.	.....	MW									Is(50)=0.39 MPa Is(50)=0.34 MPa	D (30.58m) A (30.59m)
32						.....										Is(50)=0.81 MPa Is(50)=0.57 MPa	D (31.43m) A (31.44m)
33						.....	SW									Is(50)=0.26 MPa Is(50)=0.39 MPa	D (32.05m) A (32.06m)
33			100			.....										Is(50)=0.76 MPa Is(50)=0.48 MPa	D (32.60m) A (32.61m)
34	80.95				Borehole completed at 33.40m	.....										Is(50)=0.41 MPa Is(50)=0.39 MPa	D (33.35m) A (33.36m)

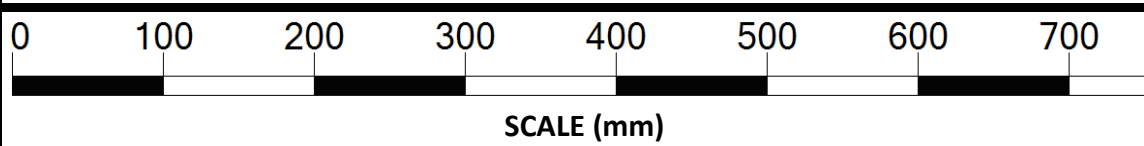
REMARKS: Je1 - Evergreen Formation.

LOGGED BY	REVIEWED BY
M. de Gee	S. Foley

CORE PHOTO LOG
 DEPARTMENT OF TRANSPORT AND MAIN ROADS
 GEOTECHNICAL SECTION



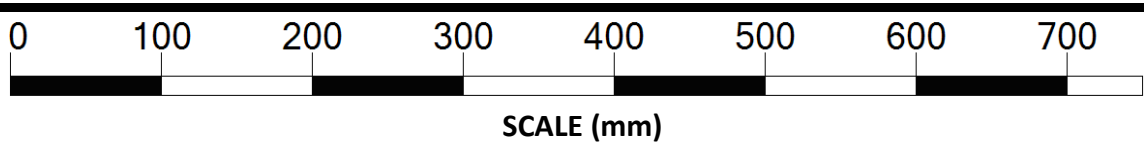
Project Name	Boyne River Bridge Replacement		
Project No.	FG6482	Date	01/09/2017
Borehole No.	BH07	Reference No.	H12968
Location	Pier 3, LHS	Start Depth (m)	10.60
Submitted By	M. de Gee	Finish Depth (m)	33.40
Remarks			



CORE PHOTO LOG
 DEPARTMENT OF TRANSPORT AND MAIN ROADS
 GEOTECHNICAL SECTION



Project Name	Boyne River Bridge Replacement		
Project No.	FG6482	Date	01/09/2017
Borehole No.	BH07	Reference No.	H12968
Location	Pier 3, LHS	Start Depth (m)	10.60
Submitted By	M. de Gee	Finish Depth (m)	33.40
Remarks			



CORE PHOTO LOG
 DEPARTMENT OF TRANSPORT AND MAIN ROADS
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Project Name	Boyne River Bridge Replacement		
Project No.	FG6482	Date	01/09/2017
Borehole No.	BH07	Reference No.	H12968
Location	Pier 3, LHS	Start Depth (m)	10.60
Submitted By	M. de Gee	Finish Depth (m)	33.40
Remarks			

