

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>



ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH114
SHEET 2 of 3
REFERENCE No H10876

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
LOCATION Abutment B, Centreline COORDINATES 718815.6 E; 7655033.8 N
PROJECT No FG5635 SURFACE R.L. 10.51m PLUNGE DATE STARTED 25/10/10 GRID DATUM MGA94 Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 27/10/10 DRILLER Cairns Drilling

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	TH	M	J				
10	0.51					GRANODIORITE HW: (Cont'd)		HW									
11	0.01				G	GRANODIORITE XW: Generally exhibits engineering properties of pale brown, moist, hard, gravelly sandy silt. Minor rounded gravel <20mm.									9,14,21 N=35	SPT	
12					H										7,12,18 N=30	SPT	
13																	
14					J										8,16,22 N=38	SPT	
15								XW									
16					K										8,12,18 N=30	SPT	
17					L										8,14,19 N=33	SPT	
18					M										12,29,30/110mm N>50	SPT	
19																	
20	-9.00				N	GRANODIORITE HW: (See over)		HW							30/80mm N>50	SPT	

REMARKS _____

LOGGED BY
JLO/ JA/ ME



ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH114
SHEET 3 of 3
REFERENCE No H10876

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
LOCATION Abutment B, Centreline COORDINATES 718815.6 E; 7655033.8 N
PROJECT No FG5635 SURFACE R.L. 10.51m PLUNGE DATE STARTED 25/10/10 GRID DATUM MGA94 Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 27/10/10 DRILLER Cairns Drilling

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	I	M	J					
20	-9.50					GRANODIORITE HW: (Cont'd) Pale brown to brown, moist, very dense. In parts exhibits engineering properties of very loose clayey sand or clayey sandy gravel. Gradually grading into very low to low strength rock with depth.													
21																	30/100mm N>50	SPT	
22																			
23																			
24	-13.71		(79)			GRANODIORITE MW: Pale yellow-brown to pale brown, medium to coarse grained, mainly medium strength with some very high strength bands, with some HW bands. Crushed zones throughout, possibly drilling-induced.											30/50mm N>50	SPT	Is(50) = 0.35MPa Is(50) = 0.06MPa
25			100 (0)																
26			100 (0) 100 (43)																
27	-16.45		100 (100)			GRANODIORITE SW: Pale grey, speckled black and pink, medium to coarse grained, massive, very high strength. Defects: Very rare. - Joints @ 10° (<1/m) Defects are generally planar, slightly rough, open and clean.													Is(50) = 7.99MPa Is(50) = 4.62MPa Is(50) = 0.00MPa Is(50) = 0.03MPa
28	-18.00		100																UCS = 108 MPa
29						Borehole terminated at 28.5m													Is(50) = 7.06MPa Is(50) = 4.35MPa
30																			

REMARKS _____

LOGGED BY
JLO/ JA/ ME

Project: **Walkerston Bypass (Bakers Ck)**

Borehole No: **BH114**

Start Depth: 24.05 m

Finish Depth: 28.50 m

Project No: FG5635

H No:



SCALE 1:5

F:GEOT043/1