

## **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/>

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 1 of 2

HOLE No. 10

LOCATION Pier 9, 6.9m right of Southbound Control  
Chainage 15081.6

REF. No. H 6208

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-614 DATE 21-22/8/89

SURFACE R.L. 2.638

DEPTH (m)	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES					
	R.L.	LITHOLOGY			SOIL TYPE OR WEATHERING	PARAMETERS & INDICES	MC (%) <sub>x</sub>		DD (t/m <sup>3</sup> ) <sub>o</sub>	
							x <sub>o</sub>	x <sub>o</sub>	x <sub>o</sub>	x <sub>o</sub>
1:50										
2.64										
1.24		FILL (CL/CH) Brown mottled grey, very soft, moist, medium to high plasticity, sparse gravel, remoulded material flanking existing drainage channel.			Not sampled, but interpreted as similar to DH9					
0.89		CLAY (OH) Dark grey, very soft, wet, organic, medium to high plasticity - alluvial.	A	▽	Peaty, organic loam 8/9/89					
0.26		CLAYEY SAND AND GRAVEL (SC/GC) Grey and brown, very loose, wet, coarse sand with gravel to 8mm, complex mixture with varying amounts of clay fines - alluvial.	B-1							
2.96			C2							
5.60		MUDSTONE Pale olive green to dark grey-green, firm to stiff in upper levels ranging to hard with depth, moist, fine grained, highly plastic residual SILTY CLAY (CH) representing a dipping, layered sedimentary sequence of very low strength clayey beds, generally massive and fissured in structure, sometimes blocky. Red-brown ironstained near surface. Fissility and bedding indicates 10-25° dips. Occasional relict joint planes.	D3							
			E		MC=49.6% DD=1.14t/m <sup>3</sup> c=63kPa φ=3.5°					
			F7							
		(Cont.)	G							

REMARKS Drilling method - wash boring.

GEOL. \_\_\_\_\_  
ENGR. \_\_\_\_\_

S.P.T.    
 Core Loss    
 WEATHERED CONDITION    
 Extremely Weathered    
 Moderately Weathered    
 Water Level    
 Highly Weathered    
 Slightly Weathered    
 Water Level

NOTE  
FOR TERMS AND SYMBOLS REFER  
MRD FORM 23 AM (11/87)

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 2 of 2

HOLE No. 10 (Cont.)

LOCATION \_\_\_\_\_

REF. No. H \_\_\_\_\_

DATUM \_\_\_\_\_

JOB No. \_\_\_\_\_ PROJECT No. \_\_\_\_\_ DATE \_\_\_\_\_

SURFACE R.L. \_\_\_\_\_

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES														
		LITHOLOGY	SOIL TYPE OR WEATHERING			PARAMETERS & INDICES		MC (%) <sub>x</sub>		DD (t/m <sup>3</sup> ) <sub>□</sub>										
								x □	x □	x □	x □									
	1:50																			
	R.L.																			
	-7.36																			
		MUDSTONE (Cont.)		G																
	-1																			
	-2			H10																
	-3			J30																
	-4																			
	-5			K17																
	-6			L43																
	-7																			
	-8			M51																
	-9			45*																
	-16.31			N150																
	(18.95)		END OF HOLE																	

Thin oil shale interbeds throughout

Shale showing rock-like appearance

REMARKS \_\_\_\_\_

GEOLOGICAL  
ENGINEER

S.P.T.   
 Core Loss   
 WEATHERED CONDITION:
 Extremely Weathered   
 Moderately Weathered   
 Water Level

Highly Weathered   
 Slightly Weathered

NOTE  
FOR TERMS AND SYMBOLS REFER  
MRD FORM 23 AM (11/87)