

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 and author as follows: "(c) *State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence, prepared by Arup*". 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/>

This log has been contributed to the Queensland Geotechnical Database with the permission of Arup.

CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWb
CONTRACTOR	Terratest	DRILLED DATE	20-Sep-07 to 21-Sep-07
DRILL MODEL	Edson 3000	GROUND LEVEL	RL 19.94m
DRILLER	Brent Ormsby	LOCATION	32593 E 150565 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING		STRATA			MATERIAL DESCRIPTION		CONDITION		OBSERVATION								
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY										SOIL ORIGIN, STRUCTURE, ETC.
	m	m					COHESIVE					NON COHESIVE					
							VS	SL	ST	VST	H	VL	J	MD	DD	VD	
<div><div></div><div>SPT at 1.12m N 1;1,7</div><div></div><div>SPT at 2.11m N 4;7,7</div><div></div><div>SPT at 3.05m N 2;9,13</div><div></div><div>SPT at 3.8m N 2;6,9</div><div></div><div>SPT at 4.8m N 6;14,16</div><div></div><div>SPT at 5.8m N 4;10,20</div><div></div><div>SPT at 7.3m N 14;23,18</div><div></div><div>SPT at 9.3m N 13;16,21</div><div></div></div>	19.89	0.05	GP	ASPHALT.		D											FILL
	19.69	0.25	CL	Sandy GRAVEL (GP) fine to medium grained, sub-angular, blue-grey, road base.		D											NONCO
				CLAY (CL) very soft, brown, with sand, fine to medium grained.													COHES
	19.12	0.82	SC	Clayey Gravelly SAND (SC) loose, fine to coarse grained, black, brown, and grey, clay (cl), gravel, fine to medium grained, sub-angular, (crushed rock/asphalt?).													NONCO
	18.78	1.16	SC	Clayey SAND (SC) loose, fine to coarse grained, mottled grey, brown, clay (cl), with quartz gravel, fine to medium grained, sub-rounded.													NONCO
	18.13	1.81	CL	Sandy CLAY (CL) stiff, grey mottled red-brown light brown, sand, fine to coarse grained.													COHES
	17.54	2.40	CL 2.23 trace of sandstone gravel, medium to fine grained angular Sandy CLAY (CL) soft, dark grey, sand, fine to medium grained.													COHES
	17.09	2.85	SP	SAND (SP) medium dense, fine to coarse grained, black, with gravel, fine grained, angular.		D											NONCO
	16.89	3.05	SP	SAND (SP) medium dense, fine to coarse grained, grey, with gravel, fine grained, sub-angular.													NONCO
	16.44	3.50	CL	Sandy CLAY (CL) stiff, grey, sand, fine to coarse grained.													COHES
	16.23	3.71	CL CI	CLAY (CL-CI) stiff, grey mottled light brown (ironstained).													COHES
	15.44	4.50	CL	CLAY (CL) very stiff, grey.													COHES
			 4.76m - 4.83m ironstained, with ironstone sand medium to coarse grained angular and ironstone gravel fine grained angular													COHES
	14.14	5.80	SP	SAND (SP) medium dense, fine to coarse grained, mottled red-brown, light brown, gravel, fine grained, sub-rounded with a trace of clay.													NONCO
	14.12	5.82	CL	CLAY (CL) very stiff, grey, with a trace of sand fine to medium grained.													COHES
	14.01	5.93	CL	Sandy CLAY (CL) very stiff, grey mottled red-brown, light brown, sand, fine grained.													COHES
	12.84	7.10	SP	SAND and GRAVEL (SP) dense, mottled red-brown, light brown, ironstone gravel, fine to medium grained angular, with ironstone sand, medium to coarse grained, with clay.													NONCO
	12.68	7.26	CL	CLAY (CL) hard, grey with a trace of sand, medium to coarse grained angular.													COHES
			 7.38 ironstone gravel coarse grained sub-angular 7.45 ironstone gravel coarse grained sub-angular													COHES
	10.94	9.00	CL	CLAY (CL) very stiff, grey mottled red-brown, light brown (ironstained), ironstone sands, fine to coarse grained, and gravels, fine grained.													COHES
		 9.37 nodules of sand fine grained													COHES	

NOTES

Hole Diameter 100mm to 17.30m depth. (Solid Flight Augering to 5.5m. HW casing to 5.5m. Washboring with 100mm diameter tri-blade bit from 5.5m to 12m, 75mm diameter tri-blade bit from 12m to 17.3m. Groundwater below 5.2m.)

JOB

86015

CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	20-Sep-07 to 21-Sep-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 19.94m
		LOCATION	32593 E 150565 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING	STRATA			MATERIAL DESCRIPTION	CONDITION		OBSERVATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY		SOIL ORIGIN, STRUCTURE, ETC.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	m	m					COHESIVE			NON COHESIVE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
							VS	SL		ST	VST	H	VL	J	MD	D	VD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
<div><div></div><div>SPT at 12.3m N 12,20,17</div><div></div><div>SPT at 15.3m N 15,30,29</div><div></div></div>			CL		CLAY (CL) very stiff, grey mottled red-brown, light brown (ironstained), ironstone sands, fine to coarse grained, and gravels, fine grained. (continued)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

NOTES Hole Diameter 100mm to 17.30m depth. (Solid Flight Augering to 5.5m. HW casing to 5.5m. Washboring with 100mm diameter tri-blade bit from 5.5m to 12m, 75mm diameter tri-blade bit from 12m to 17.3m. Groundwater below 5.2m.)

JOB

86015