

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
		DRILLED DATE	16-Jul-07 to 17-Jul-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 26.43m
		LOCATION	32643 E 150331 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	CONSISTENCY						SOIL ORIGIN, STRUCTURE, ETC.						
						COHESIVE			NON COHESIVE									
m	m					VS	S	FL	ST	VST	H	VL	J	MD	D	VD		
	26.38	0.05	SP	ASPHALT.														FILL
	26.23	0.20	SP	SAND (SP) medium to coarse grained, grey, with medium to coarse grained angular gravel.														NONCO
	26.13	0.30	CI	SAND (SP) fine to medium grained, brown.														NONCO
			CH	CLAY (CI-CH) firm to stiff, brown to red-brown with fine to medium grained quartz gravel.														COHES
		1																
	25.13	1.30	SP	SAND (SP) very dense, medium to coarse grained, light brown, with fine to medium grained sub-angular to sub-rounded quartz gravel.														NONCO
				.... 1.50 increase in clay, red-brown														
	24.63	1.80	SC	Clayey SAND (SC) very dense, fine to coarse grained, red-brown, with fine grained gravel, angular to sub-rounded.														NONCO
		2		.... 2.45 with gravel fine to coarse grained														
	23.53	2.90	CI	CLAY (CI) stiff, grey mottled red-brown, with ironstaining.														NONCO
		3																
		4																
		5																
		6																
	20.43	6.00	CH	CLAY (CH) stiff, dark-grey purple with some ironstained lens throughout.														COHES
	20.13	6.30	CH	CLAY (CH) stiff, grey.														COHES
		7																
		8																
	18.95	7.48	SP	SAND (SP) medium dense then dense, medium to coarse grained, light brown, with a trace of clay.														NONCO
				.... 7.70m - 7.74m with clay														
		9																
		9.43																
	17.00	9.43	SP	.... 9.27 red-brown														NONCO
	16.95	9.48	CI	SAND (SP) dense, fine to coarse grained, light brown, with Ironstone gravels, fine to medium grained, purple red-brown with a trace of clay.														NONCO
			CH	CLAY (CI-CH) stiff to hard, light brown.														COHES

NOTES	Hole Diameter 100mm to 27.00m depth. (Solid Flight Augering to 10.5m. HW casing to 10.5m. Washboring with 100mm diameter tri-blade bit from 10.5m to 28.5m. Hole continually collapsing at depth. Groundwater below 8m.)	JOB	86015
-------	--	-----	-------

gINT v8.1.013. Licensed to ARUP
 Project: j:\68000\86015\design\geotechnics\gint\master_w2d\14.12.07.gip
 Library: j:\68000\86015\design\geotechnics\gint\library\Aus_library_12_04.10.007.glb
 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 12Dec07 checked AB/ACP Feb 2006)
 gINT output page 1 of 3. Made 22Jan08 10:50

CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	16-Jul-07 to 17-Jul-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 26.43m
		LOCATION	32643 E 150331 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING	STRATA		MATERIAL DESCRIPTION		CONDITION		OBSERVATION									
	R.L. m	DEPTH m	GROUP SYMBOL	LEGEND	WATER/ MOISTURE	CONSISTENCY										
						SOIL TYPE Plasticity / Grain Size, Colour, Minor Components		SOIL ORIGIN, STRUCTURE, ETC.								
SAMPLE, TEST, BIT, SUPPORT, ETC.					VS	S	ST	VST	H	VL	J	MD	D	VD		
	15.93	10.50	CI CH	CLAY (CI-CH) stiff to hard, light brown. (continued)												COHES
		11	CH	CLAY (CH) very stiff to hard, grey-brown with a trace of silt.												
← SPT at 10.8m N 8;20,27		12														
← SPT at 12.3m N 13;12,28		13														
← SPT at 13.8m N 10;17,14		14														
← SPT at 15.3m N 8;15,17		15		.... 15.05 20mm nodule of ironstone gravel fine grained angular 15.21 ironstained												COHES
← SPT at 16.8m N 9;17,23		16		.... 16.50 grey-black												
← SPT at 18.3m N 9;19,22		17		.... 16.75 ironstone gravel fine grained, appears as a joint, Jo 40 Deg, 3mm, Fe, Ro3-Ro4												
← SPT at 19.8m N 12;24,26		18														
		19														

NOTES Hole Diameter 100mm to 27.00m depth. (Solid Flight Augering to 10.5m. HW casing to 10.5m. Washboring with 100mm diameter tri-blade bit from 10.5m to 28.5m. Hole continually collapsing at depth.Groundwater below 8m.)

JOB 86015

gINT v6.1.013. Licensed to ARUP
Project: j:\66000\86015\resb\geotechnics\gint\master_w2d\14.12.07.gpl
Library: j:\66000\86015\resb\geotechnics\gint\library\library_12 (04.10.007).glib
Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 12Dec07 checked ABI/ACP Feb 2006)
gINT output page 2 of 3. Made 22Jan08 10:50

CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	16-Jul-07 to 17-Jul-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 26.43m
		LOCATION	32643 E 150331 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		CONSISTENCY										
								SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	COHESIVE			NON COHESIVE					
	m	m				VS	S			L	ST	VST	H	VL	L	MD	D	VD
			CH		CLAY (CH) very stiff to hard, grey-brown with a trace of silt. <i>(continued)</i>													COHES
SPT at 21.2m N 9:30/90		21			.... 21.23 ironstone gravel, fine grained angular, looks like joint or lens, 40 Deg, 5mm													
	4.43	2222.00	SP		SAND (SP) very dense, fine to coarse grained, grey-white mottled red-brown.													
SPT at 22.56m N 30/115s		23			.... 22.57m - 22.59m clay with sand, brown banded light brown, with a trace of quartz gravels fine to medium grained, sub-rounded													SNDGRV
	2.43	2424.00	SP		SAND (SP) very dense, fine to medium grained, light brown, with gravel fine to medium grained.													SNDGRV
SPT at 24.06m N 30/110s		25																
	0.93	25.50	SW		Gravelly SAND (SW) very dense, medium to coarse grained, multicoloured (black white, grey, red, brown) gravel fine to medium grained.													SNDGRV
SPT at 25.67m N 28:30/30	0.83	25.60	SP		SAND (SP) very dense, fine to medium grained sand, light brown, with gravel fine to medium grained.													SNDGRV
		26																
		27																
		2727.00			Borehole completed at 27m depth													
		28																
		29																

NOTES	Hole Diameter 100mm to 27.00m depth. (Solid Flight Augering to 10.5m. HW casing to 10.5m. Washboring with 100mm diameter tri-blade bit from 10.5m to 28.5m. Hole continually collapsing at depth.Groundwater below 8m.)	JOB	86015
-------	---	-----	-------

gINT v8.1.013. Licenced to ARUP
 Project : j:\66000\86015\res\m\geotechnics\gint\master_w2d(14.12.07).gip
 Library : j:\66000\86015\res\m\geotechnics\gint\library\Aus - library.r2 (04.10.007).gip
 Log : 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 12Dec07 checked AB/ACP Feb 2006)
 gINT output page 3 of 3. Made 22Jan08 10:50