

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	MAJ
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	29-Apr-08
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Terratest	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 18.69m
		LOCATION	32661 E 150511 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	S	LS	ST	VST	H	VL	J	MD	D	VD	
		1			Sandy GRAVEL (road base) medium grained, black, sand coarse grained.												FILL
SPTLS N=41* 4:30/220	16.69	2.00	CI		Sandy CLAY (CI) very stiff, grey, sand fine to medium grained, with silt.												COHES
	16.41	2.28	SC		Silty Clayey SAND (SC) medium dense to dense, fine to medium grained, grey.												NONCO
		3															
SPTLS N=29 9:13,16	15.19	3.50	SW		Clayey Gravelly SAND (SW) dense, medium to coarse grained, orange brown grey mottle, gravel angular fine to coarse grained.												NONCO
	14.99	3.70	SC		Clayey SAND (SC) medium dense, medium to coarse grained, brown, clay medium plasticity, with gravel subangular fine grained.												NONCO
		4		 4.50m - 4.90m Ironstaining, sand medium grained, with gravel angular fine grained												
SPTLS N=27 4:11,16	13.79	4.90		X	Clayey Sandy SILT.												COHES
	13.19	5.50		X	Silty MUDSTONE, light grey, properties of a Silty CLAY (CL-CI) very stiff, with sand medium to coarse grained.												MUD
		6		X													
SPTLS N=27 5:10,17	12.29	6.40		X	SILTSTONE, extremely weathered, extremely low strength grey..												MUD
		7		X													
U				X													
	10.99	7.70		X	Silty SANDSTONE, extremely weathered, very low strength, fine grained, white grey, trace organic material, wet in joints. 7.70m - 7.90m ironstone lense	M-W											SNDSTN
SPTLS N=78* 27:30/115		8		X													
		9		X 9.50m - 9.70m Ironstone layers												

NOTES	Hole Diameter 100mm to 24.60m depth. (150mm Auger to 3.5m then 100mm Washbore to full)	JOB	86015
-------	--	-----	-------

gINT v8.1.021. Licensed to Arup
 Project: j:\96000\86015\design\geotechnical\master_w2d(13.06.08).gpi
 Library: z:\bnc\group\geotech\gint\library_files\aus_library_n_ver1Bruce.hwy.glb
 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 6/Apr/08 checked AB/ACP Feb 2006)
 gINT output page 1 of 3. Made by: Atilia Cubicak 25 Jun 08 10:25

CLIENT	DMR	LOGGED BY	MAJ
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GW/B
		DRILLED DATE	29-Apr-08
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Terratest	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 18.69m
		LOCATION	32661 E 150511 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING	STRATA				MATERIAL DESCRIPTION	WATER / MOISTURE	CONDITION										OBSERVATION	
	SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL			LEGEND	CONSISTENCY										
								COHESIVE					NON COHESIVE					SOIL ORIGIN, STRUCTURE, ETC.
		m	m			VS	SL	ST	VST	H	VL	J	MD	D	VD			
		8.19	10.50														Silty SANDSTONE, extremely weathered, very low strength, fine grained, white grey, trace organic material, wet in joints. (continued)	SNDSTN
																	Clayey SANDSTONE, extremely weathered, extremely low strength, fine to medium grained, light grey mottled orange, poorly graded, with silt.	SNDSTN
SPTLS	N=61* 11:51/250		11															
SPTLS	N=65* 7:56/260	5.99	12.70	SP													SAND (SP) very dense, medium grained, orange, with clay and ironstone concretions, quartz sand.	SNDGRV
SPTLS	N=100* 27:30/90	4.99	13.70	SW													SAND (SW) very dense, fine to coarse grain, orange, quartz sand.	SNDGRV
SPTLS	N=75* 21:30/120	3.49	15.20	SM	x												Silty SAND (SM) very dense, medium to coarse grain, grey, gravel fine grained subrounded.	SNDGRV
SPTLS	N=66* 25:57/260	1.59	17.10	SP													SAND (SP) very dense, coarse grain, orange grey, with silt and trace gravels fine grained angular to subangular.	SNDGRV
SPTLS	N=64** 30/140s	0.09	18.60	SW	x												Silty SAND (SW) very dense, fine to medium grained.	SNDGRV
		-0.81	19.50	SW	o												Silty Gravelly SAND (SW) very dense, coarse grained, gravel fine grained angular.	SNDGRV
		-1.21	19.90															

NOTES	Hole Diameter 100mm to 24.60m depth. (150mm Auger to 3.5m then 100mm Washbore to full)	JOB	86015
-------	--	-----	-------

gINT v8.1.021. Licensed to Arup
 Project : j:\66000\86015\design\gint\master_w2d(13.06.08).gpi
 Library : z:\bnc\group\geotech\gint\library_files\aus_library_n_ver1_bruce_hwy.glb
 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 6Apr08 checked AB/ACP Feb 2006)
 gINT output page 2 of 3. Made by Atilia Cubicak 25Jun08 10:25

CLIENT	DMR	LOGGED BY	MAJ
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	29-Apr-08
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Terratest	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 18.69m
		LOCATION	32661 E 150511 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	
SPTLS N=78* 8:30/115	-1.51	20.20	SP		Silty MUDSTONE, extremely low strength, black, properties of a silty clay (CH) very stiff. (continued)	M-W										MUD		
		21			Clayey SAND (SP) very dense, coarse grained, dark grey, with with gravel fine grained angular.	M-W												SNDGRV
SPTLS N=60* 23:30/150		22																
SPTLS N=60* 11:50/250	-4.41	23.10			Sandy SILTSTONE, dark grey, fine to medium grained, properties of Sandy Silt (ML) hard.	M-W											MUD	
		24																
SPTLS N=67** 30/135s	-5.91	24.60			Borehole completed at 24.6m depth													
		25																
		26																
		27																
		28																
		29																

NOTES	Hole Diameter 100mm to 24.60m depth. (150mm Auger to 3.5m then 100mm Washbore to full)	JOB	86015
-------	--	-----	-------

gINT v8.1.021. Licensed to Arup
 Project : j:\66000\86015\design\gint\master_w2d(13.06.08).gpi
 Library : z:\bnc\group\gint\library\files\aus_library_n_ver1_bruce_hwy.glb
 Log : 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 6Apr08 checked AB/ACP Feb 2006)
 gINT output page 3 of 3. Made by Atilia Gubicak 25Jun08 10:25