Groundwater standpipe reports

Golder Associates	Document 137632097-013-R-Rev0	10 Oct 2013
APPENDIX D		



JOB NO: 127683017

REPORT OF BOREHOLE: Zone 1A

CLIENT: Sunshine Coast Council
PROJECT: Sunshine Coast Airport
LOCATION: Sunshine Coast Airport

COORDS: 507788.0 m E 7059728.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 9.00 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12

CHECKED: SAM DATE: 27/9/12

J	OB N	O:	12768	3017				но	LE DIA: 100 mm HOLE DEPTH: 9.00 m		HEC	CKED: SAM DATE: 13/5/13	╛
F		_	lling		Sampling	_			Field Material Desc	_			4
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
				-0.10			x • • •	SM	Silty SAND fine to medium grained, brown, trace organics	/	L	Topsoil Alluvium	1
			-					J JF	SAND fine to medium grained, prowin, trace organics	м		Alluvium	-
	L		-	0.80					inie to medium grained, paie grey, trace or siit		MD		
			1-	-0.80					becoming grey	M -	IVID		Н
ADT		¥	-	1						w		Perched watertable on indurated sand @	H
		1.30n	-	1.50 -1.50			×	SM	Silty SAND (INDURATED)			1.30 m	
		RED @	-	2.00			× : ×		fine to medium grained, dark grey and dark brown, weakly cemented		D		1
		N TE	2-	-2.00			×		becoming strongly cemented	1			1
	4	ENCO	-	2.50 -2.50			×			М			-
		ATER	-	-2.50			×		becoming very strongly cemented	l Wi	VD		1
	Н	GROUNDWATER ENCOUNTERED @ 1.30m	3-	1			×						+
		GROL	-				×						
			-	3.60 -3.60			×		becoming weakly cemented				-
			4-				×		becoming weakly contented		D-		1
			-				×				VD]
		1	-	4.40 -4.40			×	SP	SAND	1			1
			-						fine to medium grained, brown, trace silt				1
			5—										1
			-										
8 & 8			-	-									-
30.003 R			6-	6.00									
05 8			-	-6.00			× · ×	SM	Silty SAND fine to medium grained, pale brown, trace clay	w			-
013 14			-				×			"]
17/05/2	М		-				×				D		H
^e			7-	-			×						Н
awingF			-	7.50			× . ·						1
Š Q			-	-7.50			×		becoming greeny grey	1			H
SS.GP.			8-	8.10			× · .						1
PE GEO LOGS.GPJ < <drawingfile>> 17/05/2013 14:05 8:30.003</drawingfile>			-	-8.20				SC SP	Clayey SAND fine to medium grained, grey, high plasticity clay	1			$ \cdot $
PE GE			-						SAND				
STANDPII			-	-					throughout, trace silt				
E ST			9-	-9.00					END OF BOREHOLE @ 9.00 m TARGET DEPTH	\vdash			\exists
LL PA			-	-					STANDPIPE INSTALLED				
민			-	1									
N-COA			10 —	-									1
AP NO			-	1									
ල් ලි			-	1]
GLB L			-	1									
GAP 8_07.3 LIB.GLB Log GAP NON-CORED FULL PAGE	_	_	11 —	This	s report of borehole n	nust	t be re	ad ir	conjunction with accompanying notes and abbreviations	. It h	as be	een prepared for	\dashv
P 8 0				geote	chnical purposes onl	ly, w	vithout	atte	mpt to assess possible contamination. Any references to essarily indicate the presence or absence of soil or groun	pote	ntial	contamination are SAP GINT FN, F0	1a
ð												R	L3



REPORT OF BOREHOLE: Zone 1B

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport LOCATION: Sunshine Coast Airport

COORDS: 507789.0 m E 7059728.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12 CHECKED: SAM DATE: 13/5/13

OCATION: Sunshine Coast OB NO: 127683017	Airport			:LINATION: -90° LE DIA: 100 mm HOLE DEPTH: 2.00 m			GED: BCT DATE: 27/9/12 CKED: SAM DATE: 13/5/13	
Drilling	Sampling			Field Material Des				
PENETRATION RESISTANCE WATER DEPTH (metres)	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
L 0 0.80 0.80 0.80 1.50 8 0.50 1.50 H 0 0 0.50 1.50		x	SM SP	Silty SAND fine to medium grained, brown, trace organics SAND fine to medium grained, pale grey, trace of silt becoming grey Silty SAND (INDURATED) fine to medium grained, dark grey and dark brown, weakly cemented	M - W - W	L MD	Topsoil Alluvium Perched watertable on indurated sand @ 1.30 m	
# H				END OF BOREHOLE @ 2.00 m TARGET DEPTH STANDPIPE INSTALLED				



REPORT OF BOREHOLE: Zone 2A

CLIENT: Sunshine Coast Council COORDS: 508400.0 m E 7058879.0 m N AMG84 56

PROJECT: Sunshine Coast Airport SURFACE RL: 0.00 m DATUM: AHD

LOCATION: Sunshine Coast Airport INCLINATION: -90°

JOB NO: 127683017 HOLE DIA: 100 mm HOLE DEPTH: 6.00 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12

CHECKED: SAM DATE: 13/5/13

þ	30	BNO		12/68	3017				пО	LE DIA: 100 mm HOLE DEPTH: 6.00 m			DATE: 13/5/13	\dashv
ŀ		_		lling		Sampling	Π			Field Material Desc				\dashv
	METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
t				0	0.10 -0.10			×···	SM	Silty SAND fine to medium grained, dark grey and pale grey, trace organics /		L	Topsoil Alluvium	打
				-					50	SAND	М		Alluvium	1]
		١.		-						fine to medium grained, pale grey		MD		$ \cdot $
		L	¥	-	-0.80 -0.80 1.00					becoming dark grey, trace silt	w	-	Perched watertable on indurated sand @	-
	_		08.0	1 —	-1.00			× · · ×	SM	Silty SAND (INDURATED)	ļ		0.80 m	Н
	ADT		ED @		1.40			××	:	fine to medium grained, dark grey, weakly cemented		D		
		l	IN THE	-	-1.40			×		becoming strongly cemented		VD		
		Н	NCOL	-	1.90			×				••		-
			ERE	2-	-1.90 2.20				SP	SAND fine to medium grained, grey and brown, some silt				Н
		М	DWA.	-	-2.20			× ×	SM	Silty SAND fine to medium grained, brown				
ŀ			GROUNDWATER ENCOUNTERED @ 0.80 m	-	2.70			×	4	mic to mediani granica, provin				
			Ū	-	-2.70				SP	SAND fine to medium grained, brown, trace silt	1			$ \cdot $
				3 —						me to medium gramed, brown, trace sit				Н
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903				-	-									1
8.30					5.50 -5.50			× · ×	SM	Silty SAND	1			
3 14:0				-				× ×	:	fine to medium grained, brown and pale brown				H
5/201				6	-6.00			×		END OF BOREHOLE @ 6.00 m				Н
17/0				-						END OF BOREHOLE @ 6.00 m TARGET DEPTH STANDPIPE INSTALLED				
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E E				-										
CORE				9 —										H
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GAP				-										
B Log														1
LIB.GL				10 —										Ц
GAP 8_07.3 LIB.GLB Log GAP NON-CORED FULL PAGE STANDP					This geote	s report of borehole mechnical purposes only	nus v, v	t be re	ead ir t atte	conjunction with accompanying notes and abbreviations mpt to assess possible contamination. Any references to	. It h	as be	contamination are	
GAP &						for information only a	ind	do no	t nec	essarily indicate the presence or absence of soil or groun	dwat	er co	ntamination GAP gIN LEN. FO)1a RL3
														_



REPORT OF BOREHOLE: Zone 2B

SHEET: 1 OF 1

CLIENT: Sunshine Coast Council COORDS: 508399.0 m E 7058879.0 m N AMG84 56

PROJECT: Sunshine Coast Airport SURFACE RL: 0.00 m DATUM: AHD

LOCATION: Sunshine Coast Airport INCLINATION: -90°

JOB NO: 127683017 HOLE DIA: 100 mm HOLE DEPTH: 1.20 m

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12 CHECKED: SAM DATE: 13/5/13

		a ::								
	illing	Sampling	+			Field Material Desc		_		
METHOD PENETRATION RESISTANCE WATER		SAMPLE OR FIELD TEST PTH L	RECOVERED	907	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENC	STRUCTURE AND ADDITIONAL OBSERVATIONS	
	0 0	<u>10</u> 10	×	٠.٠	SM SP	Silty SAND fine to medium grained, dark grey and pale grey, trace organics /		L	Topsoil Alluvium	_
ДД L					51	SAND fine to medium grained, pale grey	М	MD	Alluviulii	
` \{	0. -0. 1.	80 80				becoming dark grey with trace silt	W		Perched watertable on indurated sand @	
08:0	1 -1.	00	× ·		SM	Silty SAND (INDURATED) fine to medium grained, dark grey, weakly cemented	М	D	0.80 m	
GROUNDWATER ENCOUNTERED @ 0.80 m	-1.	20				END OF BOREHOLE @ 1.20 m TARGET DEPTH STANDPIPE INSTALLED	1			
COUL	-									
TER EI	2 —									
NDWA										
GROU	-									
	3—									
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	10	This report of barehala m	uet ha	rec	nd in	conjunction with accompanying notes and abbroviations	- + h	ae hr	een prepared for	
	ge	eotechnical purposes only for information only ar	, with	out a	atter	conjunction with accompanying notes and abbreviations mpt to assess possible contamination. Any references to	pote	ntial	contamination are	=(



LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 3A

SHEET: 1 OF 1

CLIENT: Sunshine Coast Council COORDS: 508906.0 m E 7058414.0 m N AMG84 56 PROJECT: Sunshine Coast Airport

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12 CHECKED: SAM DATE: 13/5/13

JO	B N		12768		st Airport				:LINATION: -90° LE DIA: 100 mm HOLE DEPTH: 7.50 m		LOG(CHE(CKED: SAM DATE: 13/5/13
		Dri	lling		Sampling				Field Material Des	cripti	on	
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
	L		-0-	-0.05				SM,	Silty SAND fine to medium grained, dark grey and grey, trace organics	M M-	L	Topsoil Alluvium
		Y	-	0.40 -0.40			×	SM	SAND fine to medium grained, grey, trace silt	/ w		Perched watertable @ 0.40 m
	М	GROUNDWATER ENCOUNTERED @ 0.40 m	- 1—				* . *		SAND (INDURATED) fine to medium grained, dark grey, weakly cemented		MD - D	
		OUNTER		1.30 -1.30			×. ×.		becoming strongly cemented	-		
		ER ENC	_				× × · ·×·		becoming strongly certificated	М		
		NDWAT	2-				× ×					
	Н	GROU	-				× × .				VD	
			-				×					
			3—	2.90 -2.90			×	SP	SAND fine to medium grained, brown			
			-						The to freduit graned, brown			
			-									
			4-	4.00 -4.00					becoming dark brown and brown	-		
			=									
			-									
!	М		5—	5.00 -5.00					becoming brown	- w	MD -	
	IVI		-							**	D	
			-									
			6									
			-									
			-									
			7									
		-	-	-7.50		+			END OF BOREHOLE @ 7.50 m			
			-						TARGET DEPTH STANDPIPE INSTALLED			
			8—									
			- -									
			9									
			-									
			-									
			10 —									
				This	report of borehole	mus	t be re	ad in	conjunction with accompanying notes and abbreviations mpt to assess possible contamination. Any references to	s. It h	as b	een prepared for



PROJECT: Sunshine Coast Airport

LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 3B

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout

CLIENT: Sunshine Coast Council COORDS: 508905.0 m E 7058414.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

CONTRACTOR: Geodrill LOGGED: BCT

DATE: 27/9/12

L	JO	B NC	D:	127683	3017				НО	LE DIA: 100 mm HOLE DEPTH: 0.90 m		CHE	CKED: SAM DATE: 13/5/13	_
þ	_			lling		Sampling				Field Material Des				\exists
	MELHOD	PENETRATION RESISTANCE	WATER	٥٤	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
	ADI	L M	ЕRED @ 0.30 м 🖔	-	-0.05 0.40 -0.40			×	SM SP SM	Silty SAND fine to medium grained, dark grey and grey with some trace lorganics SAND fine to medium grained, grey with trace of silt SAND (INDURATED) fine to medium grained, dark grey, weakly cemented	M M - W		Topsoil Alluvium Perched watertable @ 0.40 m	
GAP 8_073 LB GLB Log GAP NON-CORED FULL PAGE STANDPIPE GEO LOGS GPJ << DrawingFile>> 17/05/2013 14/06 8.30.003			GROUNDWATER ENCOUNTERED @ 0.39 m	1— 1— 2— 3— 4— 5— 7— 8— - 10— 10—	-0.90									
GAP 8_07.3					geote	chnical purposes on	ly, v	/ithout	atter	conjunction with accompanying notes and abbreviations mpt to assess possible contamination. Any references to essarily indicate the presence or absence of soil or groun	pote	ential	contamination are Intamination GAP gINT FN. F0	1a L3



LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 4A

SHEET: 1 OF 1

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport

COORDS: 507607.0 m E 7058376.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 2/10/12

L	JO	B NO	D:	12768	3017	•			НО	LE DIA: 100 mm HOLE DEPTH: 8.50 m		CHE	CKED: SAM DATE: 13/5/13
ļ			Dri	lling		Sampling				Field Material Desc	·	_	
	METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
ľ		L		-0	0.90 -0.10				SP	SAND fine to medium grained, pale grey, trace organics no organics		L	Topsoil Alluvium
				-	0.60 -0.60 0.80 -0.80			× · · ·	SM	becoming grey Silty SAND (INDURATED)	м	MD	
	ADT	М		1	1.30 -1.30			× × × × ×		fine to medium grained, dark brown, with trace of silt, weakly cemented becoming strongly cemented			
		IVI		-				× × × × ×		becoming strongly cemented	w	D - VD	
			2.00 m	2				× · · · · · · · · · · · · · · · · · · ·					
ŀ			GROUNDWATER LEVEL @ 2.00 m	-				* · · · · · · · · · · · · · · · · · · ·					
		Н	OUNDWATE	3—				× · · · · · · · · · · · · · · · · · · ·			М	VD	
			GR	-	3.90			× · · · · · · · · · · · · · · · · · · ·					
				4	-3.90 -4.30 -4.30			* × ×	SP	becoming brown, weakly cemented		D - VD	
				-					Oi.	SAND fine to medium grained, brown, with trace of silt			
.003				5—									
GEO LOGS.GPJ < <drawingfile>> 17/05/2013 14:06 8.30.003</drawingfile>	8			-									
> 17/05/2013				6							w	MD -	
OrawingFile>		L-M		-	6.70 -6.70					becoming grey		D	
GS.GPJ <<				7									
IPE GEO LC				-									
GAP 8_07.3 LIB.GLB Log GAP NON-CORED FULL PAGE STANDPIPE				8—	-8.00			× · · · · · · · · · · · · · · · · · · ·	SM	Silty SAND fine to medium grained, grey			
ED FULL PA				-	-8.50			× .		END OF BOREHOLE @ 8.50 m TARGET DEPTH STANDPIPE INSTALLED			
NON-COR				9—									
LB Log GA				-									
8_07.3 LIB.G				10 —	geote	chnical purposes on	ly, w	vithout	atter	conjunction with accompanying notes and abbreviations npt to assess possible contamination. Any references to	pote	ential	contamination are
\$					1	or information only a	and	ao not	nec	essarily indicate the presence or absence of soil or groun	dwa	ter co	ntamination. GAP gin 1 Fin. Full RL



LOCATION: Sunshine Coast Airport

JOB NO: 127683017

REPORT OF BOREHOLE: Zone 4B

CLIENT: Sunshine Coast Council
PROJECT: Sunshine Coast Airport

COORDS: 507608.0 m E 7058376.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 1.20 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 2/10/12 CHECKED: SAM DATE: 13/5/13

	Dri	lling		Sampling				Field Material Desc	rinti	on	
METHOD		DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL			CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
TOA L	TENCOUN	-0 1	0.60 -0.60 -0.80 -0.80			× × ×	SP	SAND fine to medium grained, pale grey, trace organics no organics becoming grey Sity SAND (INDURATED) fine to medium grained, dark brown, trace silt, weakly cemented	М	MD	Topsoil Alluvium
	GROUNDWATE	2— 2— 3—	-1.20					END OF BOREHOLE @ 1.20 m TARGET DEPTH STANDPIPE INSTALLED			
		4—									
		6—									
		7—									
		9									



LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 5A

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport

COORDS: 507415.0 m E 7058786.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill LOGGED: BCT

DATE: 28/9/12

	12/00	33017				НО	LE DIA: 100 mm HOLE DEPTH: 8.50 m	(CHEC	CKED: SAM DATE: 13/5/13
	Drilling		Sampling				Field Material Desc	_	_	
METHOD PENETRATION RESISTANCE	WATER DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
L 2000	Z	0.10 -8.48 -0.20 -0.70 -0.70			× · · · · · · · · · · · · · · · · · · ·	SM SP	Silty SAND (fine to medium grained, dark grey and grey, trace organics SAND (fine to medium grained, pale grey, trace silt becoming grey Silty SAND (INDURATED)	1	MD - D	Topsoil Alluvium Perched water table on indurated sand. Water level @ 0.3m BGL
ADI ADI S CODININAATED ENCOINTEDED © 0.30 m		1.10 -1.10 -1.50 -1.50			× × × × × × × × × × × × × × × × × × ×		Sitty SAND (INDURATED) fine to medium grained, dark grey, weakly cemented becoming dark brown	M - W		
H STAWGNINGS	2-	-			× × × × × × × × × × × × × × × × × × ×		becoming strongly cemented		VD	
	3-	3.60			× × × × × × × × × × ×					
	4-	-3.60 -4.00 -4.00			* · · · · · · · · · · · · · · · · · · ·	SP	becoming brown, weakly cemented SAND fine to medium grained, brown			
2	5-	5.20					becoming brown and grey	м		
М	6-	6.00					becoming grey		D	
	7-	- - - -								
	8-	8.00 -8.00 -8.50			× · · ×		Silty SAND fine to medium grained, grey, trace clay END OF BOREHOLE @ 8.50 m			
	9-	-					TARGET DEPTH STANDPIPE INSTALLED			



LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 5B

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport

COORDS: 507414.0 m E 7058786.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT

DATE: 28/9/12 CHECKED: SAM DATE: 13/5/13

l Ì			O:	12768	3017				НО	LE DIA: 100 mm HOLE DEPTH: 1.55 m	(CHE	CKED: SAM DATE: 13/5/13	
				lling		Sampling				Field Material De				
COLLEGE	METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
	ADT	М	GROUNDWATER ENCOUNTERED @ 0.30 ml K	0	0.70 -0.20 -0.70 -0.70 -1.10 -1.10 -1.50 -1.58				SM SP	Silty SAND (fine to medium grained, dark grey and grey, trace organics) (SAND (ine to medium grained, pale grey, with trace silt (becoming grey) Silty SAND (INDURATED) (fine to medium grained, dark grey, weakly cemented (becoming dark brown) (becoming strongly cemented (END OF BOREHOLE @ 1.55 m (TARGET DEPTH (STANDPIPE INSTALLED)			Topsoil Altuvium Perched water table on indurated sand. Water level @ 0.3m BGL	



REPORT OF BOREHOLE: Zone 1A

CLIENT: Sunshine Coast Council
PROJECT: Sunshine Coast Airport
LOCATION: Sunshine Coast Airport

127683017

JOB NO:

COORDS: 507788.0 m E 7059728.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

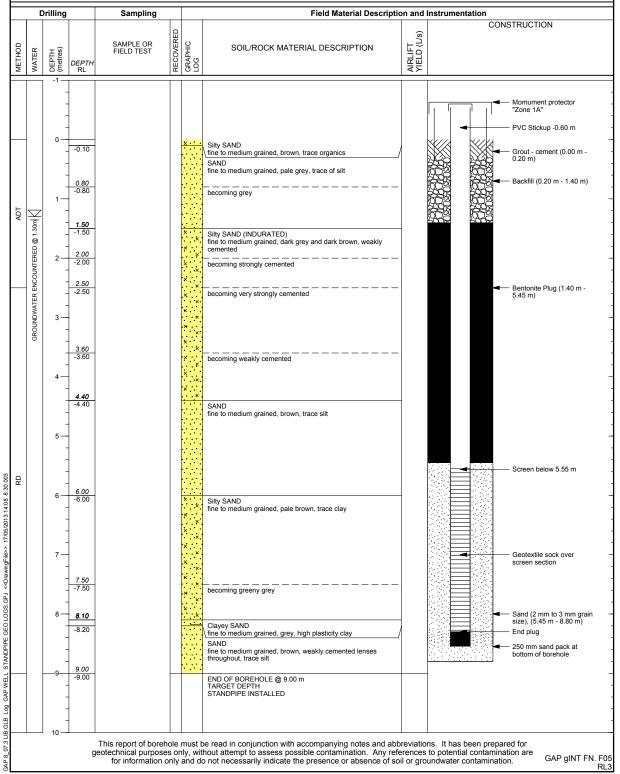
HOLE DIA: 100 mm HOLE DEPTH: 9.00 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12

CHECKED: SAM DATE: 13/5/13





REPORT OF BOREHOLE: Zone 1B

Sunshine Coast Council PROJECT: Sunshine Coast Airport LOCATION: Sunshine Coast Airport

127683017

JOB NO:

COORDS: 507789.0 m E 7059728.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

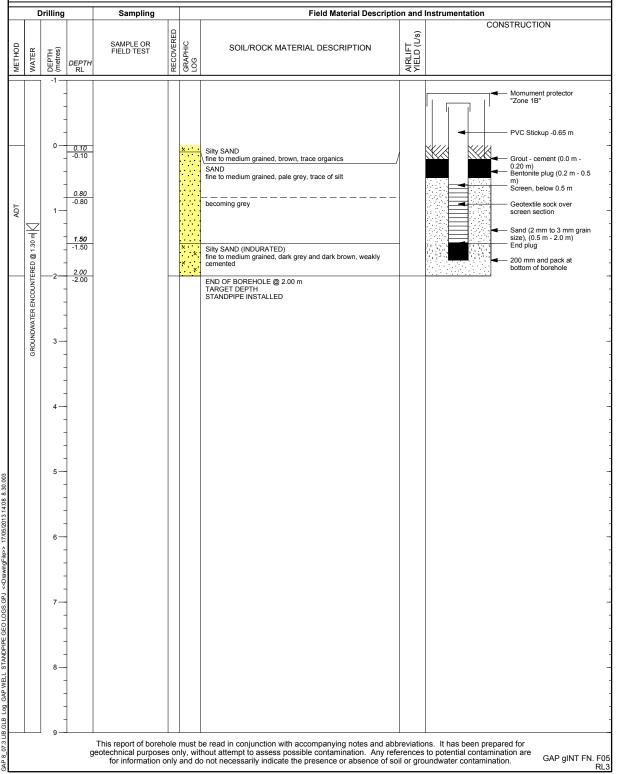
INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 2.00 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12





REPORT OF BOREHOLE: Zone 2A

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport LOCATION: Sunshine Coast Airport

JOB NO: 127683017

COORDS: 508400.0 m E 7058879.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 6.00 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12

CHECKED: SAM DATE: 13/5/13

SAMPLE OR PICTO TEST
SAMPLE GIR PIELO TEST O TEST
Silly SAND Sinky SAND Sin
This report of borehole must be read in conjunction with accompanying notes and abbreviations. It has been prepared for geotechnical purposes only, without attempt to assess possible contamination. Any references to potential contamination are for information only and do not necessarily indicate the presence or absence of soil or groundwater contamination. GAP gINT FN. FOR RECORD



LOCATION: Sunshine Coast Airport

127683017

JOB NO:

REPORT OF BOREHOLE: Zone 2B

Sunshine Coast Council COORDS: 508399.0 m E 7058879.0 m N AMG84 56 PROJECT: Sunshine Coast Airport

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 1.20 m

SHEET: 1 OF 1 DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12 DATE: 13/5/13 CHECKED: SAM

Drilling Field Material Description and Instrumentation Sampling CONSTRUCTION RECOVERED AIRLIFT YIELD (US) GRAPHIC LOG SAMPLE OR FIELD TEST METHOD SOIL/ROCK MATERIAL DESCRIPTION DEPTH (metres) DEPTH RL Momument protector "Zone 2B" PVC Stickup -0.73 m 0.10 -0.10 Silty SAND fine to medium grained, dark grey and pale grey, trace Grout - cement (0.00 m -Grout - cement (0.00 m - 0.20 m)

Bentonite plug (0.20 m - 0.60 m)

Screen below 0.60 m

Geotextile sock over

screen section

Sand (2 mm to 3 mm grain size), (0.80 m - 1.20 m)

End plug organics SAND fine to medium grained, pale grey ADT GROUNDWATER ENCOUNTERED @ 0.80 m -0.80 1.**00** becoming dark grey with trace silt Silty SAND (INDURATED) fine to medium grained, dark grey, weakly cemented END OF BOREHOLE @ 1.20 m TARGET DEPTH STANDPIPE INSTALLED 2 -GAP 8_07.3 LIB.GLB Log GAP WELL STANDPIPE GEO LOGS.GPJ <<DrawingFile>> 17/05/2013 14:08 8.30.003 This report of borehole must be read in conjunction with accompanying notes and abbreviations. It has been prepared for geotechnical purposes only, without attempt to assess possible contamination. Any references to potential contamination are for information only and do not necessarily indicate the presence or absence of soil or groundwater contamination. GAP gINT FN. F05



LOCATION: Sunshine Coast Airport

127683017

JOB NO:

REPORT OF BOREHOLE: Zone 3A

Sunshine Coast Council COORDS: 508906.0 m E 7058414.0 m N AMG84 56 PROJECT: Sunshine Coast Airport

SURFACE RL: 0.00 m DATUM: AHD

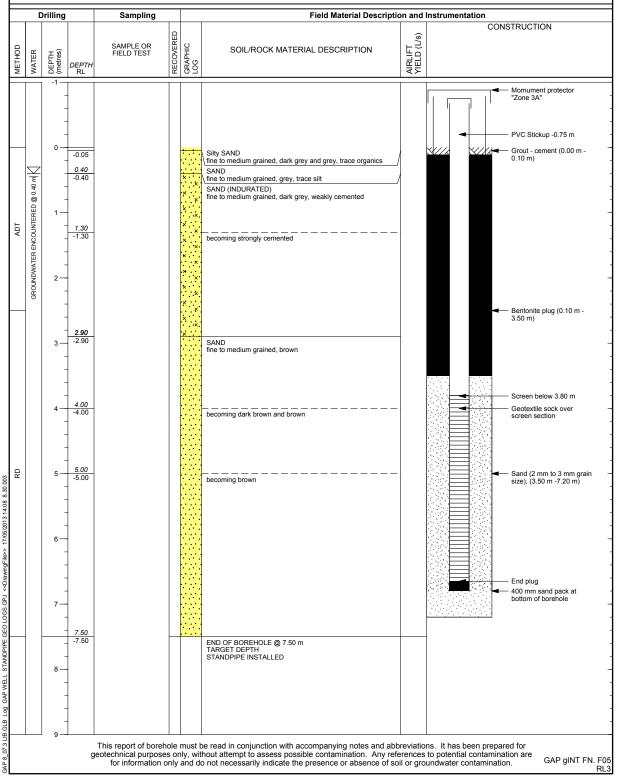
INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 7.50 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12





REPORT OF BOREHOLE: Zone 3B

Sunshine Coast Council

PROJECT: Sunshine Coast Airport

LOCATION: Sunshine Coast Airport 127683017

JOB NO:

COORDS: 508905.0 m E 7058414.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

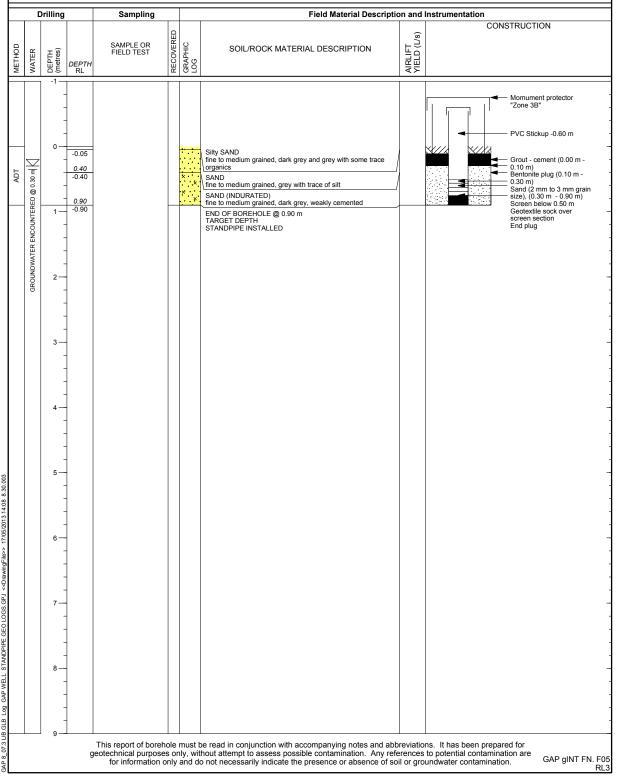
HOLE DIA: 100 mm HOLE DEPTH: 0.90 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout

CONTRACTOR: Geodrill

LOGGED: BCT DATE: 27/9/12





REPORT OF BOREHOLE: Zone 4A

Sunshine Coast Council PROJECT: Sunshine Coast Airport LOCATION: Sunshine Coast Airport

COORDS: 507607.0 m E 7058376.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

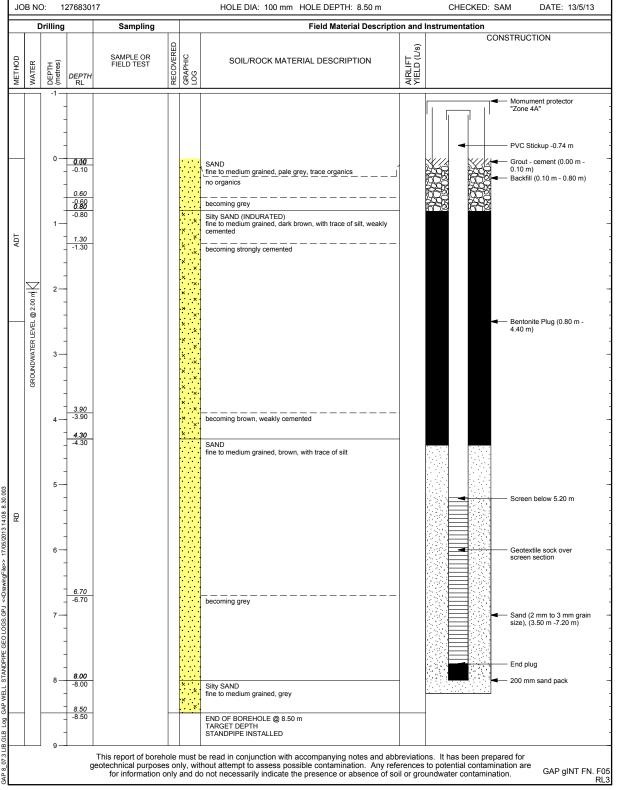
INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 8.50 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 2/10/12 DATE: 13/5/13 CHECKED: SAM





LOCATION: Sunshine Coast Airport

JOB NO: 127683017

REPORT OF BOREHOLE: Zone 4B

CLIENT: Sunshine Coast Council PROJECT: Sunshine Coast Airport

COORDS: 507608.0 m E 7058376.0 m N AMG84 56

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 1.20 m

SHEET: 1 OF 1

DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 2/10/12

CHECKED: SAM DATE: 13/5/13

Ë	JOB NO: 12/68301/				HOLE DIA: 100 mm HOLE DEPTH: 1.20 m CHECKED: SAM DATE: 13/5/13					
Drilling				Sampling					Instrumentation CONSTRUCTION	
METHOD	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	SOIL/ROCK MATERIAL DESCRIPTION	AIRLIFT YIELD (L/s)		
GAP 8_073 1 LB GLB Log GAP WELL STANDPIPE GEO LOGS GPJ < <drawingfile>> 17/06/2013 14/08 8/30,003</drawingfile>	GROUNDWATER NOT ENCOUNTERED	1—	0.60 -0.10 0.60 -0.80 -0.80 1.20 -1.20	eotechnical purpose	nole sis or	ıly, wit	e read in conjunction with accompanying notes and abb rout attempt to assess possible contamination. Any reference of so or necessarily indicate the presence of so in the necessarily indicate the presence of so assessing indicate the presence of so in the contamination.	erences	to potential contamination are	
for information only and do not necessarily indicate the presence or absence of soil or groundwater contamination. GAP GINT FN. FUS RL3										



REPORT OF BOREHOLE: Zone 5A

Sunshine Coast Council PROJECT: Sunshine Coast Airport LOCATION: Sunshine Coast Airport

127683017

JOB NO:

COORDS: 507415.0 m E 7058786.0 m N AMG84 56

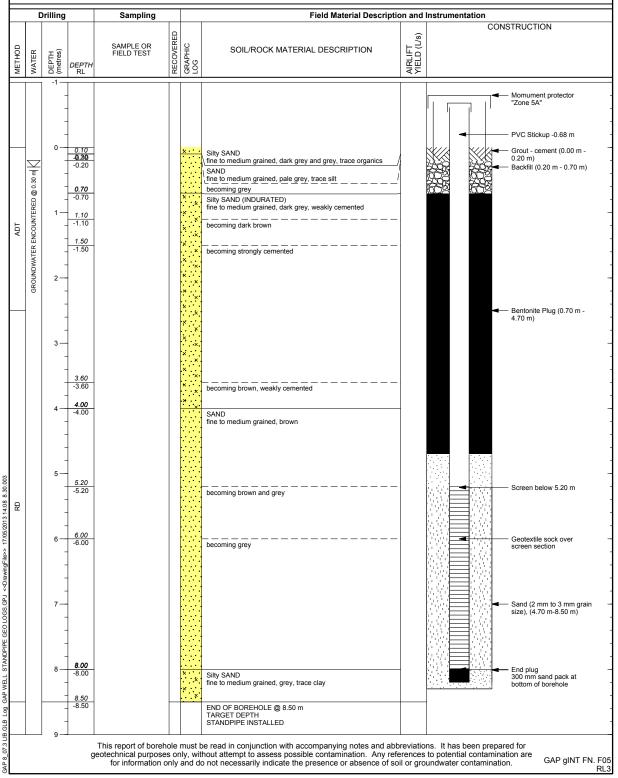
SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 8.50 m

SHEET: 1 OF 1 DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12





LOCATION: Sunshine Coast Airport

REPORT OF BOREHOLE: Zone 5B

Sunshine Coast Council COORDS: 507414.0 m E 7058786.0 m N AMG84 56 PROJECT: Sunshine Coast Airport

SURFACE RL: 0.00 m DATUM: AHD

INCLINATION: -90°

HOLE DIA: 100 mm HOLE DEPTH: 1.55 m

SHEET: 1 OF 1 DRILL RIG: Hydrapower Scout CONTRACTOR: Geodrill

LOGGED: BCT DATE: 28/9/12

