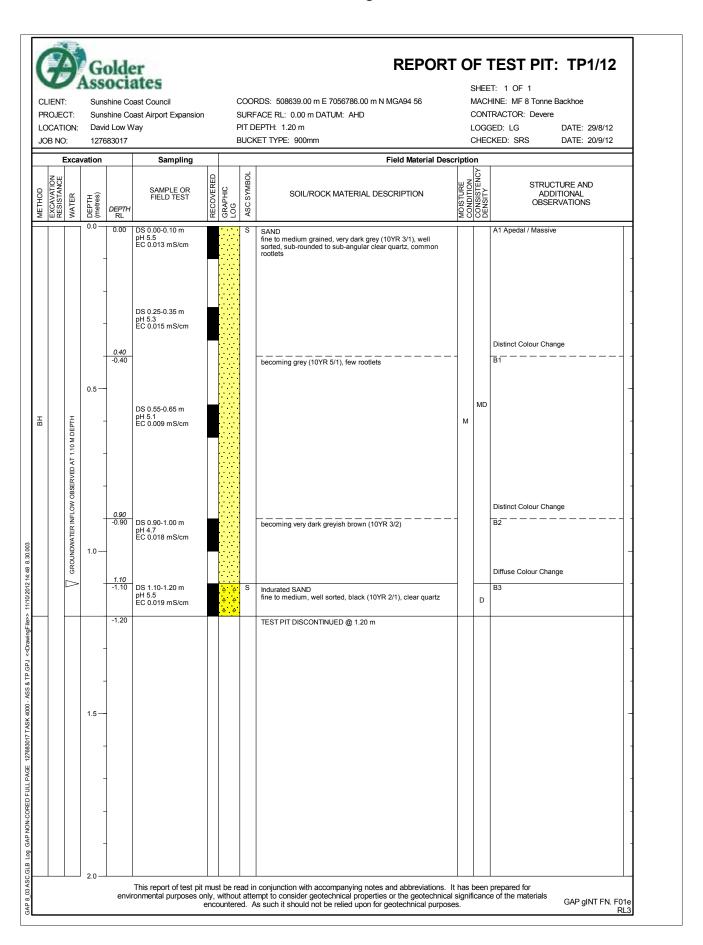
#### Erosion and sediment control field test results and soil logs





David Low Way

CLIENT:

LOCATION:

# REPORT OF TEST PIT: TP2/12 SHEET: 1 OF 1

Sunshine Coast Council COORDS: 508506.00 m E 7057303.00 m N MGA94 56

RDS: 508506.00 m E 7057303.00 m N MGA94 56 MACHINE: MF 8 Tonne Backhoe FACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

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

 PIT DEPTH: 1.20 m
 LOGGED: LG
 DATE: 29/8/12

 BUCKET TYPE: 900mm
 CHECKED: SRS
 DATE: 20/9/12

JOB NO: 127683017 Field Material Description Excavation Sampling EXCAVATION RESISTANCE RECOVERED USC SYMBOL STRUCTURE AND ADDITIONAL OBSERVATIONS METHOD GRAPHIC LOG SAMPLE OR FIELD TEST SOIL/ROCK MATERIAL DESCRIPTION DEPTH (metres) DEPTH RL 0.0 DS 0.00-0.10 m pH 5.6 EC 0.025 mS/cm 0.00 SAND fine to medium grained, well sorted, dark grey (7.5YR 4/1), subrounded to subangular clear quartz A1 Apedal / Massive L -MD DS 0.25-0.35 m Diffuse Colour Change pH 5.4 EC 0.009 mS/cm B1 Apedal / Massive well sorted, becoming very dark grey (7.5YR 3/1) Diffuse Colour Change 0.5 B2 Apedal / Massive becoming greyish brown (10YR 5/2) with fine to coarse grained sand, moderately sorted DS 0.55-0.65 m pH 4.8 EC 0.014 mS/cm BH М GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH MD DS 0.90-1.00 m pH 4.9 EC 0.014 mS/cm 1.0 -Distinct Colour Change DS 1.10-1.20 m pH 4.9 EC 0.023 mS/cm B3 Apedal / Massive SAND fine to coarse grained, moderately sorted, very dark grey/black (10YR 2/1) -1.20 TEST PIT DISCONTINUED @ 1.20 m SAP 8\_03 ASC.GLB Log\_GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ 1.5 This report of test pit must be read in conjunction with accompanying notes and abbreviations. It has been prepared for environmental purposes only, without attempt to consider geotechnical properties or the geotechnical significance of the materials encountered. As such it should not be relied upon for geotechnical purposes. GAP gINT FN. F01e



## **REPORT OF TEST PIT: TP3/12** SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

COORDS: 508309.00 m E 7057637.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way PIT DEPTH: 1.20 m LOGGED: LG DATE: 27/8/02 CHECKED: SRS BUCKET TYPE: 900mm DATE: 20/9/12

J	OB NO	O:	1276	83017			E	BUC	KET TYPE: 900mm		CHEC	CKED: SRS DATE: 20/9/12
		Exca	vation		Sampling				Field Material Desc			
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0 —	0.00	DS 0.00-0.10 m pH 5.9 EC 01.005 mS/cm			S	SAND fine to medium grained, dark grey/black (10YR 2/1), sub-rounded to sub-angular clear quartz, common roots and rootlets, organic staining			A1 Apedal / Massive
			-	0.30	DS 0.20-0.30 m pH 5.8 EC 0.024 mS/cm				becoming grey (7.5YR 6/1)			Distinct Colour Change B1 Apedal / Massive
ВН		RVED AT 1.0 M DEPTH	0.5 —		DS 0.55-0.65 m pH 5.5 EC 0.004 mS/cm					М	L	
		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	-	0.80 -0.80	DS 0.80-0.90 m pH 6.5 EC 0.002 mS/cm				becoming black (7.5 YR 6/1)		_	Distinct Colour Change B2 Apedal / Massive
		Δ	1.0	1.10 -1.10	DS 1.10-1.20 m pH 6.9		Δ Δ	S	Indurated SAND	w		Distinct Texture B3 Indurated
				-1.20	EC 0.003 mS/cm		۰. ۵ ۵. ۵		fine to medium, black (7.5 YR 6/1)		D	
			-						TEST PIT DISCONTINUED @ 1.20 m			
			1.5 —									
			-									
			2.0 —		This was in the in-							
			2.0 —	envi	This report of test pronmental purposes	it mus only, v	et be re withou ounter	ead ir it atte	n conjunction with accompanying notes and abbreviations. I impt to consider geotechnical properties or the geotechnical as such it should not be relied upon for geotechnical purpose	t has signif	been icano	prepared for e of the materials GAP gINT FN. F



PROJECT:

# REPORT OF TEST PIT: TP4/12 SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

Sunshine Coast Council COORDS: 508421.00 m E 7057684.00 m N MGA94 56

Sunshine Coast Airport Expansion SURFACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

 LOCATION:
 David Low Way
 PIT DEPTH: 1.20 m
 LOGGED: LG
 DATE: 27/8/02

 JOB NO:
 127683017
 BUCKET TYPE: 900mm
 CHECKED: SRS
 DATE: 20/9/12

		B NC			a Low W 83017	ray				EPTH: 1.20 m SET TYPE: 900mm			DATE: 27/8/02  CKED: SRS  DATE: 20/9/12	
Ī		E	Exca	/ation		Sampling				Field Material Desc				
	МЕТНОБ	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
-				0.0 —	0.00	DS 0.00-0.10 m pH 5.3 EC 0.076 mS/cm			S	SAND fine to medium grained, well sorted, black (10YR 2/1), subrounded to subangular clear quartz, many rootlets, trace fine to medium subangular gravel			Apedal (FILL) Massive	-
				-		DS 0.25-0.35 m pH 6.2 EC 0.021 mS/cm					D	MD		-
	ВН			0.5		DS 0.55-0.65 m pH 7.2 EC 0.015 mS/cm								-
14:49 8.30.003				1.0 —	-0.80	DS 0.90-1.00 m pH 5.5 EC 0.029 mS/cm			SCL	Sandy clay LOAM low to medium plasticity, very dark grey (7.5YR 3/1), fine to medium grained sand, well sorted, trace of fine to medium subangular gravel, common ochre mottling	м	S - F	Distinct Colour & Texture Change  Apedal (FILL)	-
< <drawingfile>&gt; 11/10/2012 14:49 8.30.003</drawingfile>					-1.20	DS 1.10-1.20 m pH 6.1 EC 0.039 mS/cm		0 0		TEST PIT DISCONTINUED @ 1.20 m				
4000 - ASS & TP.GPJ << Drain				1.5—										-
				-										-
GAP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK				-										-
GAP 8_03 ASC.G				2.0 —	envir	This report of test p onmental purposes	only,	withou	t atte	a conjunction with accompanying notes and abbreviations. It is not to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	signif	been icanc	e of the materials  GAP gINT FN. F0	11e



### **REPORT OF TEST PIT: TP5/12**

SHEET: 1 OF 1

COORDS: 508890.00 m E 7057672.00 m N MGA94 56

MACHINE: MF 8 Tonne Backhoe CONTRACTOR: Devere

PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.20 m LOGGED: LG DATE: 28/8/12 CHECKED: SRS BUCKET TYPE: 900mm DATE: 20/9/12

ļ	JO	B NC	):	1276	83017			E	BUCK	KET TYPE: 900mm		CHEC	CKED: SRS DATE: 20/9/12
ĺ		E	Exca	ation		Sampling				Field Material Desc	•		
	METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
•				0.0 —	0.00	DS 0.00-0.10 m pH 5.5 EC 0.003 mS/cm			S	SAND fine to medium grained, well sorted, grey (10YR 5/1), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive
				-	0.20 -0.20	DS 0.25-0.35 m pH 5.0 EC 0.003 mS/cm				becoming black (7.5YR 2.5/1)			Distinct Colour Change  B1 Apedal / Massive
	ВН		АТ 1.10М DEPTH	0.5	0.50 -0.50	DS 0.55-0.65 m pH 5.2 EC 0.003 mS/cm				becoming grey (7.5YR 5/1)	М	MD	Diffuse Colour Change  B2 Apedal  -
11/10/2012 14:49 8.30.003			GROUNDWATER INFLOW OBSERVED AT 1.10M DEPTH	1.0—	0.90 -0.90	DS 0.90-1.00 m pH 5.2 EC 0.028 mS/cm				becoming very dark grey (7.5 3/1)			Distinct Colour Change  B2 Apedal  Diffuse Colour Change
			Δ	_	-1.10 -1.20	DS 1.10-1.20 m pH 5.2 EC 0.028 mS/cm				becoming black (10YR 2/1), partly indurated  TEST PIT DISCONTINUED @ 1.20 m	M - W		B3 Apedal / Partly Indurated
3PJ < <drawingfile>&gt;</drawingfile>				-						1.20 m 3.000 m 1.20 m			
1000 - ASS & TP.0				1.5 —									
127683017 TASK 4				-									
3AP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ				-									
GAP NON-COR				-									
ASC.GLB Log				2.0 —		This report of the con-	1				 	ha	and the second for
GAP 8_03 /					envir	ronmental purposes	only,	withou	t atte	n conjunction with accompanying notes and abbreviations. It imput to consider geotechnical properties or the geotechnical as such it should not be relied upon for geotechnical purpose.	signi	peen ficanc	prepared for e of the materials GAP gINT FN. F01e RL3



Sunshine Coast Council

David Low Way

CLIENT:

LOCATION:

### **REPORT OF TEST PIT: TP6/12** SHEET: 1 OF 1

COORDS: 508962.00 m E 7058037.00 m N MGA94 56

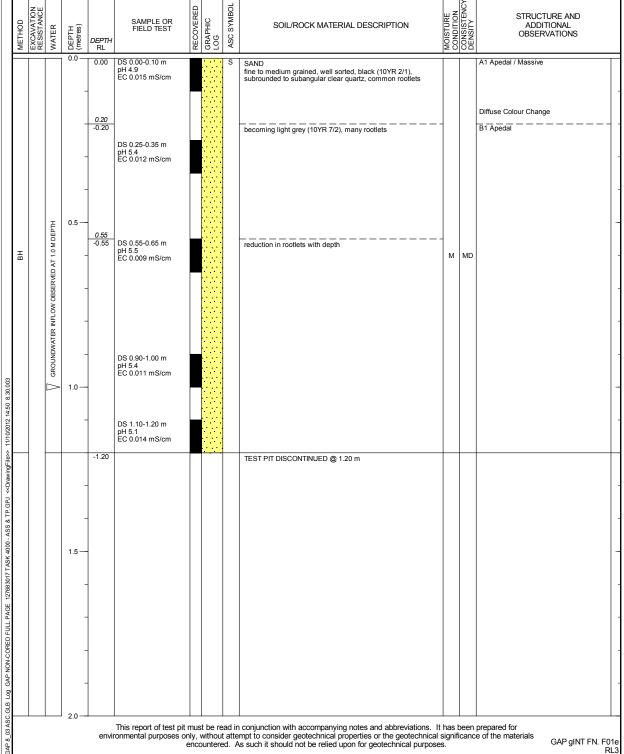
PIT DEPTH: 1.20 m

MACHINE: MF 8 Tonne Backhoe CONTRACTOR: Devere

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

> LOGGED: LG DATE: 27/8/12

BUCKET TYPE: 900mm CHECKED: SRS DATE: 20/9/12 JOB NO: 127683017 Field Material Description Excavation Sampling ASC SYMBOL STRUCTURE AND ADDITIONAL OBSERVATIONS SAMPLE OR FIELD TEST SOIL/ROCK MATERIAL DESCRIPTION





LOCATION: David Low Way

Sunshine Coast Airport Expansion

PROJECT:

#### **REPORT OF TEST PIT: TP7/12**

SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 28/8/12

	JC	B NC	):	1276	83017	-		E	BUCK	(ET TYPE: 900mm		CHEC	CKED: SRS DATE: 20/9/12	
		ı	Exca	ation		Sampling				Field Material Desc				
	МЕТНОБ	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
				0.0 —	0.00	DS 0.00-0.10 m pH 5.7 EC 0.020 mS/cm			S	SAND fine to medium grained, well sorted, black (7.5YR 2.5/1), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive	_
				-	<i>0.30</i> -0.30	DS 0.20-0.30 m pH 5.7 EC 0.017 mS/cm				becoming light grey (10YR 7/1)			Distinct Colour Change  B2 Apedal / Massive	
	ВН		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	0.5		DS 0.55-0.65 m pH 5.4 EC 0.015 mS/cm					М	MD		-
4:50 8.30.003			GROUNDWATER INFLOW	1.0 —	<u>1.00</u> -1.00	DS 0.90-1.00 m pH 5.7 EC 0.002 mS/cm				becoming dark grey (5YR 4/1)			Distinct Colour Change	
< <drawingfile>&gt; 11/10/2012 14:50 8.30.003</drawingfile>				_	-1.20	DS 1.10-1.20 m pH 5.4 EC 0.023 mS/cm			S	SAND (Partly Indurated) fine to medium grained, black (7.5YR 2.5/1), clear quartz  TEST PIT DISCONTINUED @ 1.20 m	M - W		B3 Partly Indurated	
				-										-
ASK 4000 - ASS & T				1.5 —										-
GAP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ				-										
NON-CORED FULL				_										-
SC.GLB Log GAP				2.0 —										
GAP 8_03 A					envir	This report of test pit onmental purposes of	mus nly, enco	st be re withou ounter	ead in it atte ed. A	a conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	has signif s.	been ficanc	GAP GINT FIN. FU	01e RL3

COORDS: 508966.00 m E 7058611.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.20 m



## **REPORT OF TEST PIT: TP8/12** SHEET: 1 OF 1

COORDS: 508487.00 m E 7058789.00 m N MGA94 56

MACHINE: MF 8 Tonne Backhoe SURFACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

Sunshine Coast Airport Expansion PROJECT: LOCATION: David Low Way

PIT DEPTH: 1.20 m LOGGED: LG DATE: 29/8/12 BUCKET TYPE: 900mm CHECKED: SRS DATE: 20/9/12

J(	OB N	O:	1276	83017			E	BUCK	KET TYPE: 900mm		CHEC	CKED: SRS DATE: 20/9/12	
		Exca	vation		Sampling				Field Material Desc	<u> </u>			
METHOD	EXCAVATION	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
_			0.0	0.00	DS 0.00-0.10 m pH 4.5 EC 0.034 mS/cm			S	SAND fine to medium grained, well sorted, black (10YR 2/1), clear quartz, common rootlets			A1 Apedal / Massive	
			-	0.25 -0.25	DS 0.25-0.35 m pH 4.7 EC 0.014 mS/cm				becoming very dark grey (10YR 3/1), many to few rootlets	_		Diffuse Colour Change  B1 Apedal — — — — — — —	_
RI			0.5	0.50 -0.50	DS 0.55-0.65 m pH 5.2 EC 0.006 mS/cm				becoming grey (10YR 5/1), few rootlets	м	MD	Diffuse Colour Change B2 Apedal	
		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	-	0.80 -0.80	DS 0.90-1.00 m pH 5.1 EC 0.013 mS/cm				becoming black (10YR 2/1), strong organic staining, few to many rootlets	_		Distinct Colour Change  B3 Apedal / Partly Indurated	_
		GROUNDWATER IN	1.0	-1.20	DS 1.10-1.20 m pH 5.3 EC 0.008 mS/cm				TEST PIT DISCONTINUED @ 1.20 m				
			-	-									
			1.5 —										
			-										
			-	-									
			-										
			2.0	envii	This report of test pi	only,	withou	t atte	n conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical souch it should not be relied upon for geotechnical purpose	signit	been	prepared for e of the materials GAP gINT FN. F	



LOCATION: David Low Way

#### **REPORT OF TEST PIT: TP9/12**

SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 28/8/12

			vation		Sampling				Field Material Des			
METHOD	EXCAVATION	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0 —	0.00	DS 0.00-0.10 m pH 4.98 EC 0.016 mS/cm			S	SAND fine to medium grained, well sorted, black (10YR 2/1), clear quartz, common rootlets			A1 Apedal / Massive
			-	0.25	DS 0.25-0.35 m pH 5.3 EC 0.022 mS/cm				becoming greyish brown (10YR 5/2), few rootlets	_	MD	Distinct Colour Change  B2 Apedal — — — — — — — — —
ВН		ЕР АТ 0.55 М ВЕРТН	0.5	0.55 -0.55	DS 0.55-0.65 m pH 5.7 EC 0.019 mS/cm		Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	S	Indurated SAND fine to medium, well sorted, black (10YR 2/1), clear quartz	M		Distinct Colour & Texture Change B3 Strong H <sub>28<sub>&gt; / Organic Odour</sub></sub>
		GROUNDWATER INFLOW OBSERVED AT 0.55 M DEPTH√	1.0 —		DS 0.90-1.00 m pH 6.1 EC 0.018 mS/cm		A A A A A A A A A A A A A A A A A A A				D	
			-	-1.20	DS 1.10-1.20 m pH 6.1 EC 0.027 mS/cm		Δ Δ Δ Δ Δ Δ		TEST PIT DISCONTINUED @ 1.20 m			
			-									
			1.5 —									
			-									
			-									
_			2.0 —		This report of test p	it mus	st be re	ead in	n conjunction with accompanying notes and abbreviations.	It has t	been	prepared for

COORDS: 508479.00 m E 7058362.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.20 m



## **REPORT OF TEST PIT: TP10/12** SHEET: 1 OF 1

Sunshine Coast Council COORDS: 508570.00 m E 7057974.00 m N MGA94 56

MACHINE: MF 8 Tonne Backhoe

PROJECT: Sunshine Coast Airport Expansion

LOCATION: David Low Way

CONTRACTOR: Devere SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.30 m LOGGED: LG DATE: 27/8/12

J	OB NO	D:	1276	83017			ı	BUCK	KET TYPE: 900mm	(	CHEC	OKED: SRS DATE: 20/9/12
		Exca	vation		Sampling				Field Material Desc			I
МЕТНОБ	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0 —	0.00	DS 0.00-0.10 m pH 6.8 EC 0.042 mS/cm			S	SAND fine to medium grained, black (7.5YR 2.5/1), well sorted, sub-rounded to sub-angular clear quartz, common rootlets			Apedal / Massive (FILL)
			-	-0.20 -0.20	DS 0.25-0.35 m pH 6.7 EC 0.026 mS/cm				intercalated with occasional dark brown/grey lenses	-	ME	
			0.5								MD	
ВН		H	-	0.70 -0.70	DS 0.55-0.65 m pH 6.8 EC 0.011 mS/cm				becoming block (7.6VR 2.6M), common problets (60mm Dio.)	м		Diffuse Colour Change  A1 Apedal / Massive
		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	_	0.70					becoming black (7.5YR 2.5/1), common rootlets (50mm Dia), common rootlets			(Natural)
		VATER INFLOW OBSE	1.0 —	1.00 -1.00	DS 0.90-1.00 m pH 5.0 EC 0.027 mS/cm				becoming light grey (10YR 7/2), few to many rootlets	-	D	Distinct Colour Change  B2 Apedal / Massive
			-		DS 1.10-1.20 m pH 5.2 EC 0.030 mS/cm							
			_	-1.30					TEST PIT DISCONTINUED @ 1.30 m			
			-									
			1.5									
			_									
			-									
			2.0 —	envir	This report of test pronmental purposes	only,	withou	it atte	I conjunction with accompanying notes and abbreviations. It impt to consider geotechnical properties or the geotechnical such it should not be relied upon for geotechnical purpose	signif	been icand	prepared for go the materials GAP gINT FN. F01.



LOCATION: David Low Way

Sunshine Coast Airport Expansion

PROJECT:

#### **REPORT OF TEST PIT: TP11/12**

SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 27/8/12

		DB NC			83017	,				ET TYPE: 900mm			CKED: SRS DATE: 20/9/12	
		-	Exca	ation		Sampling				Field Material Desc				╛
	METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
				0.0 —	0.00	DS 0.00-0.10 m pH 4.5 EC 0.031 mS/cm			S	SAND fine to medium grained, well sorted, black (10YR 2/1), sub-rounded to sub-angular clear quartz, common rootlets			A1 Apedal / Massive	
			√Т 0.80 М DЕРТН	-	0.30 -0.30	DS 0.20-0.30 m pH 4.4 EC 0.016 mS/cm				becoming pale grey (10YR 7/2), few rootlets	м		Distinct Colour Change  A2 Apedal / Massive	
	ВН		GROUNDWATER INFLOW OBSERVED AT 0.80 M DEPTH	0.5 —	0.70	DS 0.55-0.65 m pH 4.9 EC 0.016 mS/cm						MD	Distinct Colour Change	
			V GROUNI	-	-0.70	DS 0.90-1.00 m				becoming black (5YR 2.5/1), occasional indurated (weakly) segments			B3 Apedal / Massive Partly Indurated	
< <drawingfile>&gt; 11/10/2012 14:51 8:30.003</drawingfile>				1.0 —		pH 6.0 EC 0.011 mS/cm					M - W			-
File>> 11/10/		_			-1.20	pH 6.3 EC 0.016 mS/cm				TEST PIT DISCONTINUED @ 1.20 m				
.SS & TP.GPJ < <drawing< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></drawing<>				-										-
683017 TASK 4000 - A				1.5 —										_
RED FULL PAGE 1274				-										
GAP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ				-										-
GAP 8_03 ASC.GI				2.0 —	envir	This report of test pronmental purposes	t musonly,	st be re withou ountere	ead in t atte ed. A	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	has signif s.	been icanc	GAP GINT FIN. FU	)1e RL3

COORDS: 508164.00 m E 7058003.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.20 m



# REPORT OF TEST PIT: TP12/12 SHEET: 1 OF 1

Sunshine Coast Council COORDS: 507604.00 m E 7058393.00 m N MGA94 56

COORDS: 507604.00 m E 7058393.00 m N MGA94 56 MACHINE: MF 8 Tonne Backhoe SURFACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

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

 LOCATION:
 David Low Way
 PIT DEPTH: 1.20 m
 LOGGED: LG
 DATE: 28/8/12

 JOB NO:
 127683017
 BUCKET TYPE: 900mm
 CHECKED: SRS
 DATE: 20/9/12

Ļ	JC	)B NC	):	1276	83017			E	BUCK	SET TYPE: 900mm	(	CHEC	CKED: SRS DATE: 20/9/12	
		E	Exca	ation		Sampling				Field Material Desc				
	METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
				0.0 —	0.00	DS 0.00-0.10 m pH 5.2 EC 0.034 mS/cm			S	SAND fine to medium grained, well sorted, yellowish brown (10YR 5/8), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive	-
				-	0.40 -0.40	DS 0.25-0.35 m pH 5.5 EC 0.012 mS/cm				becoming white (2.5YR 8/1), few rootlets		MD	Diffuse Colour Change B2 Apedal / Massive	
	ВН			0.5		DS 0.55-0.65 m pH 5.5 EC 0.010 mS/cm					М			
				-	0.80 -0.80	DS 0.90-1.00 m pH 5.4			S	SAND fine to medium grained, black (7.5YR 2.5/1), clear quartz, organic staining	-		Diffuse Colour Change B3 Indurated	
< <drawngfile>&gt; 11/10/2012 14:52 8.30.003</drawngfile>				1.0 —		DS 1.10-1.20 m pH 5.7						D		-
>> 11/10					1.00	EC 0.035 mS/cm								Ш
.GPJ < <drawingfile:< td=""><td></td><td></td><td></td><td>-</td><td>-1.20</td><td></td><td></td><td></td><td></td><td>TEST PIT DISCONTINUED @ 1.20 m</td><td></td><td></td><td></td><td>-</td></drawingfile:<>				-	-1.20					TEST PIT DISCONTINUED @ 1.20 m				-
SK 4000 - ASS & TP				1.5 —										-
SAP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ				-										
I-CORED FULL PA				-										
SLB Log GAP NON				-										
GAP 8_03 ASC.G				2.0 —	envir	This report of test pit onmental purposes of	mus nly, v	t be re without ountere	ad in t atte	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	has l signif s.	been icanc	GAP GINT FIN. FU	01e RL3



CLIENT:

## **REPORT OF TEST PIT: TP13/12** SHEET: 1 OF 1

Sunshine Coast Council COORDS: 508018.00 m E 7058393.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way PIT DEPTH: 1.20 m BUCKET TYPE: 900mm MACHINE: MF 8 Tonne Backhoe CONTRACTOR: Devere

LOGGED: LG DATE: 27/8/12 CHECKED: SRS DATE: 20/9/12

Sampling	JOB NO:	1276	683017			BUC	KET TYPE: 900mm		CHEC	CKED: SRS DATE: 20/9/12
DS 0.25-0.35 m pH 5.8   EC 0.012 mS/cm   DS 0.90-1.00 m pH 5.8   EC 0.010 mS/cm   EC 0.010 mS/	Exc	avation		Sampling			Field Material Desc			
DS 0.25-0.35 m pH 5.2	METHOD EXCAVATION RESISTANCE WATER		DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
### DS 0.55-0.65 m pH 5.8 EC 0.012 mS/cm    DS 0.55-0.65 m pH 5.8 EC 0.012 mS/cm   DS 0.90-1.00 m pH 5.8 EC 0.010 mS/cm   DS 0.90-1.00		- 0.0	0.00	pH 4.9		S	SAND fine to medium grained, well sorted, very dark grey (10YR 3/1), common rootlets			
B1		-		DS 0.25-0.35 m pH 5.2 EC 0.18 mS/cm						
-0.70 becoming black (10YR 2/1), few to many rootlets    0.90	Ha	0.5	0.50 -0.50	pH 5.8			becoming dark brown (10YR 3/3), many rootlets	м	MD	B1
0.90 DS 0.90-1.00 m becoming light grey (10YR 7/2) becoming light grey (10YR 7/2)		-	0.70				becoming black (10YR 2/1), few to many rootlets	_		
DS 1.10-1.20 m pH 6.0 EC 0.015 mS/cm  -1.20  TEST PIT DISCONTINUED @ 1.20 m		1.0 —	-0.90 1.00	pH 5.8				-		B2
1.5—		-	-1.20	pH 6.0			TEST PIT DISCONTINUED @ 1.20 m			
1.5—		-	_							
		1.5 —	_							
		-	_							
		-	_							
This report of test pit must be read in conjunction with accompanying notes and abbreviations. It has been prepared for environmental purposes only, without attempt to consider geotechnical properties or the geotechnical significance of the materials		2.0		This report of test pi	t must be	read in	n conjunction with accompanying notes and abbreviations.	It has	been	prepared for



Sunshine Coast Council

David Low Way

CLIENT:

LOCATION:

# REPORT OF TEST PIT: TP14/12 SHEET: 1 OF 1

COORDS: 507337.00 m E 7058464.00 m N MGA94 56

PIT DEPTH: 1.20 m

ACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

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

LOGGED: LG DATE: 29/8/12

MACHINE: MF 8 Tonne Backhoe

BUCKET TYPE: 900mm CHECKED: SRS DATE: 20/9/12 JOB NO: 127683017 Field Material Description Excavation Sampling RECOVERED EXCAVATION RESISTANCE ASC SYMBOL STRUCTURE AND ADDITIONAL OBSERVATIONS METHOD GRAPHIC LOG SAMPLE OR FIELD TEST SOIL/ROCK MATERIAL DESCRIPTION DEPTH (metres) DEPTH RL 0.0 DS 0.00-0.10 m pH 5.9 EC 0.023 mS/cm 0.00 LOAM fine to medium, black (10YR 2/1), clear quartz, common rootlets A1 Apedal / Massive MD DS 0.25-0.35 m pH 5.6 EC 0.023 mS/cm Distinct Colour & Texture Change 0.35 -0.35 B2 Structure - very weak, sub-angular blocky (7-10 mm) Clay LOAM high plasticity, very dark grey (10YR 3/1), common ochre mottling, with fine to medium grained sand, many to common rootlets 0.5 F 0.55 -0.55 DS 0.55-0.65 m pH 5.7 EC 0.020 mS/cm sand increases with depth BH М Distinct Colour & Texture Change 0.70 -0.70 B3 Apedal / Massive SAND fine to medium grained, well sorted, light grey (10YR 7/1), subrounded to subangular clear quartz DS 0.90-1.00 m pH 5.8 EC 0.010 mS/cm MD <<DrawingFile>> 11/10/2012 14:52 8.30.003 1.0 DS 1.10-1.20 m pH 5.8 EC 0.010 mS/cm -1.20 TEST PIT DISCONTINUED @ 1.20 m SAP 8\_03 ASC.GLB Log\_GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ 1.5 This report of test pit must be read in conjunction with accompanying notes and abbreviations. It has been prepared for environmental purposes only, without attempt to consider geotechnical properties or the geotechnical significance of the materials encountered. As such it should not be relied upon for geotechnical purposes. GAP gINT FN. F01e



#### **REPORT OF TEST PIT: TP15/12**

SHEET: 1 OF 1 COORDS: 507190.00 m E 7058886.00 m N MGA94 56

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

PROJECT: Sunshine Coast Airport Expansion SURFACE RL: 0.00 m DATUM: AHD LOCATION: David Low Way PIT DEPTH: 1.20 m LOGGED: LG DATE: 28/8/12 127683017 JOB NO: BUCKET TYPE: 900mm CHECKED: SRS DATE: 20/9/12

	_			- ··								
		vation		Sampling	Т			Field Material Descri				
METHOD EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
		0.0 —	0.00	DS 0.00-0.10 m pH 5.8 EC 0.023 mS/cm			SL	Sandy LOAM fine to medium, well sorted, black (10YR 2/1), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive	
		-	0.30 -0.30	DS 0.20-0.30 m pH 5.9 EC 0.013 mS/cm			S	SAND fine to medium grained, becoming light grey (10YR 7/1), few rootlets, occasional organic staining (yellow brown)			Diffuse Colour Change B1 Apedal / Massive	
I m	тн	0.5 —		DS 0.55-0.65 m pH 5.6 EC 0.010 mS/cm					М	MD		
	GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	1.0 —	0.85 -0.85	DS 0.90-1.00 m pH 5.2 EC 0.017 mS/cm				becoming grey (10YR 5/1), clear quartz			Diffuse Colour Change B2 Apedal / Massive	
	GROUNDWATER	-	1.10 -1.10	DS 1.10-1.20 m pH 5.1 EC 0.019 mS/cm				indurated sand surface			Indurated B3	
		_	-1.20					TEST PIT DISCONTINUED @ 1.20 m			Coffee Rock Surface	
		-										
		1.5										
		-										
		-										
		2.0 —	envii	This report of test pit	mus	st be re	ad in	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	has l	been icano	prepared for e of the materials GAP gINT FN. Fi	_



## **REPORT OF TEST PIT: TP16/12** SHEET: 1 OF 1

COORDS: 507261.00 m E 7059312.00 m N MGA94 56

MACHINE: MF 8 Tonne Backhoe CONTRACTOR: Devere

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

LOCATION: David Low Way PIT DEPTH: 1.20 m LOGGED: LG DATE: 28/8/12 BUCKET TYPE: 900mm CHECKED: SRS DATE: 20/9/12

						_				_			=
	E	Exca	vation		Sampling				Field Material Desc			T	_
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
			0.0—	0.00	DS 0.00-0.10 m pH 5.0 EC 0.025 mS/cm			SL	Loamy SAND fine to medium, well sorted, black (10YR 2/1), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive	_
			-		DS 0.25-0.35 m pH 5.1 EC 0.014 mS/cm						MD	Diffuse Colour Change	
			0.5	0.40 -0.40	DS 0.50-0.60 m pH 4.9			SL	Sandy clay LOAM fine to medium, high plasticity, dark grey (10YR 4/1), ochre mottling, many rootlets		F	A2 Structure - very weak, sub-angular, blocky	_
ПО		.T 1.1 M DEPTH	-	0.60 -0.60	EC 0.038 mS/cm		-	S	SAND fine to medium grained, well sorted, grey (10YR 5/2), clear quartz, becoming light grey (10YR 7/2)	- M		Diffuse Colour Change B1 Apedal / Massive	_
		GROUNDWATER INFLOW OBSERVED AT 1.1 M DEPTH	-		DS 0.90-1.00 m pH 5.7						MD		
			1.0	1.10 -1.10	EC 0.010 mS/cm  DS 1.10-1.20 m				becoming very dark grey/black (10YR 2/1), organic staining			B2 Apedal / Massive	
				-1.20	pH 5.8 EC 0.013 mS/cm				TEST PIT DISCONTINUED @ 1.20 m			Organic Odour	_
			-	_									
			1.5 —										
			-										
			-	-									
			-										
			2.0 —	envis	This report of test pit	t must	t be re	ead in	n conjunction with accompanying notes and abbreviations. It impt to consider geotechnical properties or the geotechnical	has I	been	prepared for e of the materials GAP gINT FN. F	-



### **REPORT OF TEST PIT: TP17/12**

COORDS: 507444.00 m E 7059690.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

SHEET: 1 OF 1

PROJECT: Sunshine Coast Airport Expansion MACHINE: MF 8 Tonne Backhoe

LOCATION: David Low Way

CONTRACTOR: Devere DATE: 29/8/12

PIT DEPTH: 1.20 m LOGGED: LG

JOB NO: 127683017								E	BUCK	CHECKED: SRS DATE: 20/9/12					
		E	Exca	vation	ı	Sampling									
	METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
				0.0—	0.00	DS 0.00-0.10 m pH 5.6 EC 0.035 mS/cm			SCL	Sandy Clay LOAM fine to medium, well sorted, black (10YR 2/1), subrounded to subangular clear quartz, common rootlets			A1 Apedal / Massive  - Distinct Colour & Texture Change		
				-	0.35 -0.35	DS 0.25-0.35 m pH 5.4 EC 0.028 mS/cm			CS	Clayey SAND fine to medium, well sorted, grey (10YR 5/1), clear quartz,	_		B2 Apedal		
	ВН			0.5		DS 0.55-0.65 m pH 5.7 EC 0.015 mS/cm			0	many rootlets, common ochre mottling, intercalated with grey clay and silt lenses throughout profile	М	MD	-		
0/2012 14:53 8.30.003				1.0 —	1.00 -1.00	DS 0.90-1.00 m pH 5.9 EC 0.009 mS/cm DS 1.10-1.20 m pH 5.8			0	becoming dark grey (10YR 4/1), many roots			-		
ingFile>> 11/1					-1.20	EC 0.012 mS/cm		• •		TEST PIT DISCONTINUED @ 1.20 m					
TASK 4000 - ASS & TP.GPJ < <draw< td=""><td></td><td></td><td></td><td>1.5—</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></draw<>				1.5—									-		
3AP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127883017 TASK 4000 - ASS & TP.GPJ < <drawingfile>&gt; 11/10/2012 14:53 8.30.003</drawingfile>				- - -									-		
SAP 8_03 ASC.GLB Log GAP N				2.0	envii	This report of test ponmental purposes	only,	withou	ıt atte	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical s such it should not be relied upon for geotechnical purpose	signif	been	prepared for e of the materials GAP gINT FN. F01e RL3		



PROJECT:

# REPORT OF TEST PIT: TP18/12 SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

Sunshine Coast Council COORDS: 507056.00 m E 7060232.00 m N MGA94 56

Sunshine Coast Airport Expansion SURFACE RL: 0.00 m DATUM: AHD CONTRACTOR: Devere

 LOCATION:
 David Low Way
 PIT DEPTH: 1.20 m
 LOGGED: LG
 DATE: 29/8/12

 JOB NO:
 127683017
 BUCKET TYPE: 900mm
 CHECKED: SRS
 DATE: 20/9/12

JOB NO: 127	683017		E	BUCK	ET TYPE: 900mm	(	CHEC	CKED: SRS DATE: 20/9/12			
Excavation		Sampling			Field Material Desc						
METHOD EXCAVATION RESISTANCE WATER DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
0.0 -	0.00 0.10 -0.10	DS 0.00-0.10 m pH 4.3 EC 0.037 mS/cm		CS LS	Clayey SAND fine to coarse grained, poorly sorted, yellowish red (5YR 5/8), with some fine to medium sub-angular gravel and cobbles, common rootlets  Loamy SAND fine to medium, black (10YR 2/1), clear quartz, many rootlets			Fill Distinct Colour Change A1 Apedal / Massive			
		DS 0.25-0.35 m pH 4.8 EC 0.031 mS/cm							-		
0.5 -	0.50 -0.50	DS 0.55-0.65 m pH 5.7 EC 0.023 mS/cm	P - 0	SCL	Sandy clay LOAM fine to medium grained sand, black (10YR 2/1), clear quartz, many rootlets	М	MD	Diffuse Texture B1 Apedal	-		
GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH  0.01	0.80	DS 0.90-1.00 m pH 5.5 EC 0.025 mS/cm		S	SAND fine to medium grained, moderately sorted, grey (10YR 5/1), clear quartz, minor yellow mottling	-		Distinct Colour & Texture Change B2 Apedal / Massive	-		
GROUNDWATER INFLC	-1.20	DS 1.10-1.20 m pH 6.0 EC 0.038 mS/cm							-		
	_				TEST PIT DISCONTINUED @ 1.20 m						
1.5 -	_										
	_										
2.0		This result is a similar									
2.0 —	envi	ronmental purposes o	nly, withou	t atte	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical s such it should not be relied upon for geotechnical purpose	signif	icanc	e of the materials  GAP gINT FN. F0	01 RL		



CLIENT:

## **REPORT OF TEST PIT: TP19/12** SHEET: 1 OF 1

Sunshine Coast Council COORDS: 507607.00 m E 7060096.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way PIT DEPTH: 1.20 m BUCKET TYPE: 900mm MACHINE: MF 8 Tonne Backhoe CONTRACTOR: Devere

LOGGED: LG DATE: 29/8/12 CHECKED: SRS DATE: 20/9/12

L	JOB NO: 127683017			1276	83017				BUCK	SET TYPE: 900mm	CHECKED: SRS DATE: 20/9/12					
ţ			Exca	vation		Sampling	_			Field Material Desc	eld Material Description					
	METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
				- 0.0	0.00	DS 0.00-0.10 m pH 5.7 EC 0.032 mS/cm			LS	Loamy SAND fine to medium, well sorted, black (10YR 2/1), clear quartz, common rootlets			A1 Apedal / Massive			
				-	0.25	DS 0.25-0.35 m pH 5.0 EC 0.038 mS/cm			S	SAND fine to medium grained, well sorted, greyish brown (10YR 5/2), clear quartz, common ochre mottling			B1 Distinct Colour & Texture Change			
	ВН		ЭЕРТН	0.5	0.60 -0.60	DS 0.50-0.60 m pH 5.1 EC 0.025 mS/cm				becoming light grey (10YR 7/2)	- м	MD	B2 -			
4:54 8.30.003			GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH			DS 0.90-1.00 m pH 5.4 EC 0.022 mS/cm										
vingFile>> 11/10/2012 14			GROUNDY		-1.20	DS 1.10-1.20 m pH 5.5 EC 0.016 mS/cm				TEST PIT DISCONTINUED @ 1.20 m						
ASS & TP.GPJ < <draw< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></draw<>				-									-			
127683017 TASK 4000 -				1.5												
SAP 8_03 ASC GLB Log GAP NON-CORED FULL PAGE 127883017 TASK 4000 - ASS & TP.GPJ < <drawngfile>&gt; 11/10/2012 14:54 8.30.003</drawngfile>				-												
SC.GLB Log GAP NON				2.0 —									-			
GAP 8_03 AS					envii	This report of test pronmental purposes	t mu only, enc	st be re withou ounter	ead in it atte ed. A	a conjunction with accompanying notes and abbreviations. It impt to consider geotechnical properties or the geotechnical is such it should not be relied upon for geotechnical purpose	has signi s.	been ficand	prepared for se of the materials GAP gINT FN. F01e RL3			



PROJECT:

### **REPORT OF TEST PIT: TP20/12**

Sunshine Coast Council COORDS: 507754.00 m E 7059826.00 m N MGA94 56

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

LOCATION: David Low Way PIT DEPTH: 1.20 m SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 29/8/12

	OE	NO	:	1276	83017					EPTH: 1:20 m  EET TYPE: 900mm		CHE	GED: LG DATE: 29/8/12  CKED: SRS DATE: 20/9/12
	_	E	xca	ation		Sampling				Field Material Des			I
METHOD	T T T T T T T T T T T T T T T T T T T	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
				0.0	0.00	DS 0.00-0.10 m pH 5.4 EC 0.064 mS/cm			LS	Loamy SAND fine to medium, black (10YR 2/1), clear quartz, common rootlets			A1 Apedal / Massive
				-		DS 0.25-0.35 m pH 5.4 EC 0.039 mS/cm							Distinct Colour Change
				0.5 —	-0.40 -0.40				S	SAND fine to medium grained, well sorted, dark greyish brown (10YR 4/2), clear quartz			B1  Distinct Colour Change
ВН	i		0 М DEРТН	-	0.55 -0.55	DS 0.55-0.65 m pH 5.4 EC 0.028 mS/cm				becoming light grey (10YR 7/2), common ochre mottling (organics)	М	MD	B2 Apedal
			GROUNDWATER INFLOW OBSERVED AT 1.10 M DEPTH	1.0	-1.20	DS 0.90-1.00 m pH 5.6 EC 0.017 mS/cm DS 1.10-1.20 m pH 5.8 EC 0.028 mS/cm				TEST PIT DISCONTINUED @ 1.20 m			
				-						g			
				1.5 —									
				-									
				=									
				2.0 —		This report of test pi	t mus	st be re	ead in	conjunction with accompanying notes and abbreviations. mpt to consider geotechnical properties or the geotechnica	t has	been	prepared for se of the materials GAP gINT FN. F01 RL



LOCATION: David Low Way

Sunshine Coast Airport Expansion

PROJECT:

### **REPORT OF TEST PIT: TP21/12**

SHEET: 1 OF 1

COORDS: 508003.00 m E 7059574.00 m N MGA94 56 MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 29/8/12

1	OB N			83017				KET TYPE: 900mm			CKED: SRS DATE: 20/9/12
Ė		Exca	vation		Sampling			Field Material Desc	riptio	on	- I
METHOD	EXCAVATION	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0 —	0.00	DS 0.00-0.10 m pH 5.6 EC 0.028 mS/cm		LS	Loamy SAND fine to medium, black (10YR 2/1), clear quartz, common rootlets			A1 Apedal / Massive
			-	0.35 -0.35	DS 0.35-0.45 m pH 5.6 EC 0.016 mS/cm		S	SAND fine to medium grained, well sorted, yellowish brown (10YR 5/4), clear quartz			Distinct Colour & Texture Change
ВН			0.5	0.55 -0.55	DS 0.55-0.65 m pH 6.6 EC 0.019 mS/cm			becoming white (2.5YR 8/1)	м	MD	B1 Distinct Colour Change  B2 Apedal
			1.0 —	0.90 -0.90	DS 0.90-1.00 m pH 6.7 EC 0.017 mS/cm			becoming black (10YR 2/1)			Distinct Colour Change  B3 Apedal
				-1.20	pH 6.5 EC 0.020 mS/cm			TEST PIT DISCONTINUED @ 1.20 m			
			1.5								
			-								
			2.0	envii	This report of test pronmental purposes	only, with	out atte	n conjunction with accompanying notes and abbreviations. I empt to consider geotechnical properties or the geotechnical as such it should not be relied upon for geotechnical purpose	signif	been	prepared for se of the materials GAP gINT FN. F01 RL

SURFACE RL: 0.00 m DATUM: AHD

PIT DEPTH: 1.20 m



### **REPORT OF TEST PIT: TP22/12**

COORDS: 507877.00 m E 7059138.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way PIT DEPTH: 1.20 m BUCKET TYPE: 900mm SHEET: 1 OF 1

MACHINE: MF 8 Tonne Backhoe

CONTRACTOR: Devere

LOGGED: LG DATE: 29/8/12 CHECKED: SRS DATE: 20/9/12

J	OB N	O:	1276	83017			В	UCK	YPE: 900mm							
	Excavation				Sampling				Field Material Description							
METHOD	EXCAVATION	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	POO	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS				
			0.0—	0.00	DS 0.00-0.10 m pH 5.7 EC 0.34 mS/cm	<u>×</u> <u>×</u> _×		ZCL	Sitty clay LOAM medium grained sand, black (10YR 2/1), common rootlets		S-F	A1 Structure - very weak, sub-angular, blocky (10-15 mm)				
			-	0.30 -0.30	DS 0.30-0.40 m pH 5.7 EC 0.92 mS/cm	× × - - - -		SCL	Sandy Clay LOAM high plasticity, with some fine grained sand, grey (10YR 5/1), common ochre mottling, many rootlets	-		Distinct Colour & Texture Change B1 Structure - very weak, sub-angular, blocky (10-15 mm)				
		_	0.5	0.50 -0.50	DS 0.55-0.65 m pH 6.07			CS	Clayey SAND fine to medium grained, grey (7.5YR 5/1), sub-rounded to sub-angular clear quartz, few rootlets		F	Distinct Colour & Texture Change B2 Apedal / Massive				
		SERVED AT 1.10 M DEPTI	-		EC 0.84 mS/cm					М		Distinct Colour 9 Testure Change				
		GROUNDWATER INFLOW OBSERVED AT 1.10 M DEPTH	1.0 —	0.85 -0.85	DS 0.90-1.00 m pH 6.2 EC 0.67 mS/cm		<del></del> ,	S	SAND fine to medium grained, well sorted, grey (10YR 6/1), sub-rounded to sub-angular clear quartz	-	MD	Distinct Colour & Texture Change  B3 Apedal / Massive				
		GROI	-	1.10 -1.10	DS 1.10-1.20 m pH 6.4 EC 0.95 mS/cm				becoming dark grey							
			-	1.20					TEST PIT DISCONTINUED @ 1.20 m							
			1.5													
			-													
			-													
_			2.0 —	envi	This report of test pironmental purposes of	only, with	nout	atte	conjunction with accompanying notes and abbreviations. It mpt to consider geotechnical properties or the geotechnical s such it should not be relied upon for geotechnical purpose	signif	been icanc	prepared for e of the materials GAP gINT FN. Fi	-			



## **REPORT OF TEST PIT: TP23/12** SHEET: 1 OF 1

Sunshine Coast Council COORDS: 507715.00 m E 7058834.00 m N MGA94 56

SURFACE RL: 0.00 m DATUM: AHD

MACHINE: MF 8 Tonne Backhoe

PROJECT: Sunshine Coast Airport Expansion

LOCATION: David Low Way

CONTRACTOR: Devere

PIT DEPTH: 1.20 m LOGGED: LG DATE: 28/8/12

J	OB NO	Э:	1276	83017	, 		ı	BUC	(ET TYPE: 900mm	(	CHEC	CKED: SRS DATE: 20/9/12		
		Exca	vation		Sampling				Field Material Des	Field Material Description				
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	<i>DEPTH</i> RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
			0.0—	0.00	DS 0.00-0.10 m pH 5.0 EC 0.035 mS/cm			S	SAND fine to medium grained, well sorted, very dark grey (10YR 3/1), clear quartz			A1 Apedal / Massive		
			-	0.30 -0.30	DS 0.20-0.30 m pH 5.4 EC 0.012 mS/cm				pale brown (10YR 6/3), clear quartz			Distinct Colour Change  B1 Apedal		
ВН		т 1.0 М DEРТН	0.5 —		DS 0.55-0.65 m pH 5.6 EC 0.009 mS/cm					М	MD	-		
		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	-	<u>0.70</u> -0.70					black (10YR 2/1), clear quartz			Distinct Colour Change  B2 Apedal		
			1.0 —	1.00 -1.00	DS 0.90-1.00 m pH 5.8 EC 0.018 mS/cm		, <u>A</u> , A		Indurated SAND			Distinct Colour & Texture Change		
			-	-1.20	DS 1.10-1.20 m pH 5.8 EC 0.024 mS/cm				fine to medium, black (10YR 2/1)  TEST PIT DISCONTINUED @ 1.20 m		MD -			
			-						TEST IN BIOCOMINGES & 120 III					
			1.5 —									-		
			-											
			-									-		
			2.0	envii	This report of test pronmental purposes	only,	withou	ıt atte	conjunction with accompanying notes and abbreviations.  mpt to consider geotechnical properties or the geotechnical  s such it should not be relied upon for geotechnical purpos	l signif	peen icand	prepared for e of the materials GAP gINT FN. F01e RL3		