

APPENDIX B3:C

Erosion and sediment control field test results and soil logs

Excavation		Sampling		Field Material Description											
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
BH		GROUNDWATER INFLOW OBSERVED AT 1.10 M DEPTH	0.00	0.00	DS 0.00-0.10 m pH 5.5 EC 0.013 mS/cm		S	SAND fine to medium grained, very dark grey (10YR 3/1), well sorted, sub-rounded to sub-angular clear quartz, common rootlets				A1 Apedal / Massive			
					DS 0.25-0.35 m pH 5.3 EC 0.015 mS/cm										Distinct Colour Change
			0.40	-0.40									becoming grey (10YR 5/1), few rootlets		B1
			0.50		DS 0.55-0.65 m pH 5.1 EC 0.009 mS/cm										MD
			0.90	-0.90	DS 0.90-1.00 m pH 4.7 EC 0.018 mS/cm								becoming very dark greyish brown (10YR 3/2)		B2
			1.10	-1.10	DS 1.10-1.20 m pH 5.5 EC 0.019 mS/cm		S	Indurated SAND fine to medium, well sorted, black (10YR 2/1), clear quartz			D	B3			
				-1.20				TEST PIT DISCONTINUED @ 1.20 m							

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APPENDIX B3:C



REPORT OF TEST PIT: TP2/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508506.00 m E 7057303.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 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

Excavation			Sampling			Field Material Description							
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
BH		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	0.0	0.00	DS 0.00-0.10 m pH 5.6 EC 0.025 mS/cm		S	SAND fine to medium grained, well sorted, dark grey (7.5YR 4/1), subrounded to subangular clear quartz		L - MD	A1 Apedal / Massive		
			0.30	-0.30	DS 0.25-0.35 m pH 5.4 EC 0.009 mS/cm						well sorted, becoming very dark grey (7.5YR 3/1)	Diffuse Colour Change	B1 Apedal / Massive
			0.50	-0.50	DS 0.55-0.65 m pH 4.8 EC 0.014 mS/cm						becoming greyish brown (10YR 5/2) with fine to coarse grained sand, moderately sorted	Diffuse Colour Change	B2 Apedal / Massive
			1.0	-1.00	DS 0.90-1.00 m pH 4.9 EC 0.014 mS/cm							Distinct Colour Change	
			1.10	-1.10	DS 1.10-1.20 m pH 4.9 EC 0.023 mS/cm						SAND fine to coarse grained, moderately sorted, very dark grey/black (10YR 2/1)		B3 Apedal / Massive
			1.20	-1.20	TEST PIT DISCONTINUED @ 1.20 m								
			1.5										
			2.0										

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REPORT OF TEST PIT: TP3/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508309.00 m E 7057637.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 27/8/02
 CHECKED: SRS DATE: 20/9/12

Excavation				Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
BH		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	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	-0.30	DS 0.20-0.30 m pH 5.8 EC 0.024 mS/cm								becoming grey (7.5YR 6/1)	M	B1 Apedal / Massive
			0.5	-0.80	DS 0.55-0.65 m pH 5.5 EC 0.004 mS/cm								becoming black (7.5 YR 6/1)	L	B2 Apedal / Massive
			0.80	-1.10	DS 0.80-0.90 m pH 6.5 EC 0.002 mS/cm									W	B3 Indurated
			1.0	-1.10	DS 1.10-1.20 m pH 6.9 EC 0.003 mS/cm									D	
			1.5	-1.20	TEST PIT DISCONTINUED @ 1.20 m										
			2.0												

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REPORT OF TEST PIT: TP5/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508890.00 m E 7057672.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 28/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
BH		GROUNDWATER INFLOW OBSERVED AT 1.10M DEPTH	0.00	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
			0.50	-0.50								becoming grey (7.5YR 5/1)	Diffuse Colour Change	B2 Apedal
			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
			1.10	-1.10	DS 1.10-1.20 m pH 5.2 EC 0.028 mS/cm							becoming black (10YR 2/1), partly indurated	Diffuse Colour Change	B3 Apedal / Partly Indurated
			-1.20				TEST PIT DISCONTINUED @ 1.20 m							
			1.5											
			2.0											

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REPORT OF TEST PIT: TP6/12

CLIENT: Sunshine Coast Council	COORDS: 508962.00 m E 7058037.00 m N MGA94 56	SHEET: 1 OF 1
PROJECT: Sunshine Coast Airport Expansion	SURFACE RL: 0.00 m DATUM: AHD	MACHINE: MF 8 Tonne Backhoe
LOCATION: David Low Way	PIT DEPTH: 1.20 m	CONTRACTOR: Devere
JOB NO: 127683017	BUCKET TYPE: 900mm	LOGGED: LG DATE: 27/8/12
		CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description									
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
BH		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	0.0	0.00	DS 0.00-0.10 m pH 4.9 EC 0.015 mS/cm		S	SAND fine to medium grained, well sorted, black (10YR 2/1), subrounded to subangular clear quartz, common rootlets				A1 Apedal / Massive			
			0.20	-0.20								becoming light grey (10YR 7/2), many rootlets	Diffuse Colour Change		
			0.5	-0.55	DS 0.25-0.35 m pH 5.4 EC 0.012 mS/cm										B1 Apedal
			1.0		DS 0.55-0.65 m pH 5.5 EC 0.009 mS/cm								reduction in rootlets with depth	M MD	
			1.5		DS 0.90-1.00 m pH 5.4 EC 0.011 mS/cm										
			1.20				TEST PIT DISCONTINUED @ 1.20 m								
			2.0												

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REPORT OF TEST PIT: TP7/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508966.00 m E 7058611.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 28/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description												
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS						
BH		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	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						
				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				
				0.5	DS 0.55-0.65 m pH 5.4 EC 0.015 mS/cm										M	MD		
				1.0	DS 0.90-1.00 m pH 5.7 EC 0.002 mS/cm												Distinct Colour Change	B2
				1.10	DS 1.10-1.20 m pH 5.4 EC 0.023 mS/cm										M - W	B3 Partly Indurated		
			-1.20				TEST PIT DISCONTINUED @ 1.20 m											
			1.5															
			2.0															

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REPORT OF TEST PIT: TP8/12

CLIENT: Sunshine Coast Council COORDS: 508487.00 m E 7058789.00 m N MGA94 56 SHEET: 1 OF 1
 PROJECT: Sunshine Coast Airport Expansion SURFACE RL: 0.00 m DATUM: AHD MACHINE: MF 8 Tonne Backhoe
 LOCATION: David Low Way PIT DEPTH: 1.20 m CONTRACTOR: Devere
 JOB NO: 127683017 BUCKET TYPE: 900mm LOGGED: LG DATE: 29/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation				Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	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	M	MD		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
			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				Diffuse Colour Change	B2 Apedal
			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
			1.0	-1.00	DS 1.10-1.20 m pH 5.3 EC 0.008 mS/cm								
			-1.20				TEST PIT DISCONTINUED @ 1.20 m						
			1.5										
			2.0										

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REPORT OF TEST PIT: TP9/12

CLIENT: Sunshine Coast Council	COORDS: 508479.00 m E 7058362.00 m N MGA94 56	SHEET: 1 OF 1
PROJECT: Sunshine Coast Airport Expansion	SURFACE RL: 0.00 m DATUM: AHD	MACHINE: MF 8 Tonne Backhoe
LOCATION: David Low Way	PIT DEPTH: 1.20 m	CONTRACTOR: Devere
JOB NO: 127683017	BUCKET TYPE: 900mm	LOGGED: LG DATE: 28/8/12
		CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH		GROUNDWATER INFLOW OBSERVED AT 0.55 M DEPTH	0.00	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	-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	
			0.55	-0.55	DS 0.55-0.65 m pH 5.7 EC 0.019 mS/cm	█		S	Indurated SAND fine to medium, well sorted, black (10YR 2/1), clear quartz		M			Distinct Colour & Texture Change B3 Strong H ₂ S_{<-->} / Organic Odour
			1.00		DS 0.90-1.00 m pH 6.1 EC 0.018 mS/cm	█						D		
					DS 1.10-1.20 m pH 6.1 EC 0.027 mS/cm	█								
				-1.20					TEST PIT DISCONTINUED @ 1.20 m					

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REPORT OF TEST PIT: TP10/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508570.00 m E 7057974.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.30 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 27/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	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			MD	
			0.5	0.55-0.65 m pH 6.8 EC 0.011 mS/cm				M			Diffuse Colour Change	
			0.70	-0.70	DS 0.90-1.00 m pH 5.0 EC 0.027 mS/cm			becoming black (7.5YR 2.5/1), common rootlets (50mm Dia), common rootlets			D	A1 Apedal / Massive (Natural)
			1.0	-1.00	DS 1.10-1.20 m pH 5.2 EC 0.030 mS/cm			becoming light grey (10YR 7/2), few to many rootlets				Distinct Colour Change B2 Apedal / Massive
			-1.30				TEST PIT DISCONTINUED @ 1.30 m					
			1.5									
			2.0									

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APPENDIX B3:C



REPORT OF TEST PIT: TP11/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508164.00 m E 7058003.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 27/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH	GROUNDWATER INFLOW OBSERVED AT 0.80 M DEPTH	▽	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	
			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				M	A2 Apedal / Massive
			0.5	-0.70	DS 0.55-0.65 m pH 4.9 EC 0.016 mS/cm				becoming black (5YR 2.5/1), occasional indurated (weakly) segments				MD	Distinct Colour Change
			1.0	-1.00	DS 0.90-1.00 m pH 6.0 EC 0.011 mS/cm								M - W	B3 Apedal / Massive Partly Indurated
			1.10	-1.20	DS 1.10-1.20 m pH 6.3 EC 0.016 mS/cm									
				-1.20				TEST PIT DISCONTINUED @ 1.20 m						
				1.5										
				2.0										

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP12/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 507604.00 m E 7058393.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 28/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation				Sampling			Field Material Description											
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS						
BH			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						
					DS 0.25-0.35 m pH 5.5 EC 0.012 mS/cm												Diffuse Colour Change	
			0.40	-0.40										becoming white (2.5YR 8/1), few rootlets		MD		B2 Apedal / Massive
			0.5		DS 0.55-0.65 m pH 5.5 EC 0.010 mS/cm											M		Diffuse Colour Change
			0.80	-0.80										S	SAND fine to medium grained, black (7.5YR 2.5/1), clear quartz, organic staining			
			1.0		DS 0.90-1.00 m pH 5.4 EC 0.034 mS/cm					D								
					DS 1.10-1.20 m pH 5.7 EC 0.035 mS/cm													
				-1.20				TEST PIT DISCONTINUED @ 1.20 m										
				1.5														
				2.0														

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GAP gINT FN. F01e
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APPENDIX B3:C



REPORT OF TEST PIT: TP13/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508018.00 m E 7058393.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 27/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation				Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
BH			0.0	0.00	DS 0.00-0.10 m pH 4.9 EC 0.033 mS/cm		S	SAND fine to medium grained, well sorted, very dark grey (10YR 3/1), common rootlets			A1 Apedal / Massive A1		
					DS 0.25-0.35 m pH 5.2 EC 0.18 mS/cm								
			0.5	0.50 -0.50						becoming dark brown (10YR 3/3), many rootlets			B1
					DS 0.55-0.65 m pH 5.8 EC 0.012 mS/cm						M	MD	
			0.7	0.70 -0.70						becoming black (10YR 2/1), few to many rootlets			
					DS 0.90-1.00 m pH 5.8 EC 0.010 mS/cm					becoming light grey (10YR 7/2)			B2
			1.0	1.00 -1.00				becoming dark yellowish brown (10YR 4/4)					
				-1.20				TEST PIT DISCONTINUED @ 1.20 m					
				1.5									
				2.0									

SAP 8_03 ASC.GLB Log GAP NON-CORED FULL PAGE 127683017 TASK 4000 - ASS & TP.GPJ <DrawingFile> 11/10/2012 14:52 8.30.003

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP14/12

CLIENT: Sunshine Coast Council
PROJECT: Sunshine Coast Airport Expansion
LOCATION: David Low Way
JOB NO: 127683017

COORDS: 507337.00 m E 7058464.00 m N MGA94 56
SURFACE RL: 0.00 m DATUM: AHD
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

Excavation				Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH			0.0	0.00	DS 0.00-0.10 m pH 5.9 EC 0.023 mS/cm	[Yellow dotted pattern]	[Yellow dotted pattern]	S	LOAM fine to medium, black (10YR 2/1), clear quartz, common rootlets		MD	A1 Apedal / Massive	
			0.35	-0.35	DS 0.25-0.35 m pH 5.6 EC 0.023 mS/cm					CL		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	0.55	-0.55	DS 0.55-0.65 m pH 5.7 EC 0.020 mS/cm	[Yellow dotted pattern]	[Yellow dotted pattern]		sand increases with depth		F	B2 Structure - very weak, sub-angular blocky (7-10 mm)
			0.7	-0.70	DS 0.90-1.00 m pH 5.8 EC 0.010 mS/cm					S	SAND fine to medium grained, well sorted, light grey (10YR 7/1), subrounded to subangular clear quartz		M
						DS 1.10-1.20 m pH 5.8 EC 0.010 mS/cm	[Yellow dotted pattern]	[Yellow dotted pattern]				MD	B3 Apedal / Massive
				-1.20					TEST PIT DISCONTINUED @ 1.20 m				

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP15/12

CLIENT: Sunshine Coast Council	COORDS: 507190.00 m E 7058886.00 m N MGA94 56	SHEET: 1 OF 1
PROJECT: Sunshine Coast Airport Expansion	SURFACE RL: 0.00 m DATUM: AHD	MACHINE: MF 8 Tonne Backhoe
LOCATION: David Low Way	PIT DEPTH: 1.20 m	CONTRACTOR: Devere
JOB NO: 127683017	BUCKET TYPE: 900mm	LOGGED: LG DATE: 28/8/12
		CHECKED: SRS DATE: 20/9/12

Excavation		Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS		
BH			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	M	MD	A1 Apedal / Massive		
			0.30		DS 0.20-0.30 m pH 5.9 EC 0.013 mS/cm						Diffuse Colour Change		
			-0.30								S	SAND fine to medium grained, becoming light grey (10YR 7/1), few rootlets, occasional organic staining (yellow brown)	B1 Apedal / Massive
			0.5		DS 0.55-0.65 m pH 5.6 EC 0.010 mS/cm								Diffuse Colour Change
			0.85	-0.85								becoming grey (10YR 5/1), clear quartz	B2 Apedal / Massive
1.0		DS 0.90-1.00 m pH 5.2 EC 0.017 mS/cm											
			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									

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GAP gINT FN. F01e RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP16/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 507261.00 m E 7059312.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG DATE: 28/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description									
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS				
BH			0.00	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		
			0.40	-0.40										SL	Sandy clay LOAM fine to medium, high plasticity, dark grey (10YR 4/1), ochre mottling, many rootlets
					DS 0.50-0.60 m pH 4.9 EC 0.038 mS/cm							M			
			0.60	-0.60										S	SAND fine to medium grained, well sorted, grey (10YR 5/2), clear quartz, becoming light grey (10YR 7/2)
		DS 0.90-1.00 m pH 5.7 EC 0.010 mS/cm	MD												
1.00	-1.10	DS 1.10-1.20 m pH 5.8 EC 0.013 mS/cm				becoming very dark grey/black (10YR 2/1), organic staining	B2 Apedal / Massive Organic Odour								
			1.10	-1.10				TEST PIT DISCONTINUED @ 1.20 m							
			1.50												
			2.00												

GROUNDWATER INFLOW OBSERVED AT 1.1M DEPTH

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP17/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 507444.00 m E 7059690.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 PIT DEPTH: 1.20 m
 BUCKET TYPE: 900mm

SHEET: 1 OF 1
 MACHINE: MF 8 Tonne Backhoe
 CONTRACTOR: Devere
 LOGGED: LG
 CHECKED: SRS

DATE: 29/8/12
 DATE: 20/9/12

Excavation				Sampling			Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH			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	
					DS 0.25-0.35 m pH 5.4 EC 0.028 mS/cm						Distinct Colour & Texture Change	
			0.35	-0.35			CS	Clayey SAND fine to medium, well sorted, grey (10YR 5/1), clear quartz, many rootlets, common ochre mottling, intercalated with grey clay and silt lenses throughout profile			B2 Apedal	
			0.5		DS 0.55-0.65 m pH 5.7 EC 0.015 mS/cm					M	MD	
			1.0	-1.00	DS 0.90-1.00 m pH 5.9 EC 0.009 mS/cm							becoming dark grey (10YR 4/1), many roots
				-1.20	DS 1.10-1.20 m pH 5.8 EC 0.012 mS/cm							
								TEST PIT DISCONTINUED @ 1.20 m				
				1.5								
				2.0								

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP18/12

CLIENT:	Sunshine Coast Council	COORDS:	507056.00 m E 7060232.00 m N MGA94 56	SHEET:	1 OF 1
PROJECT:	Sunshine Coast Airport Expansion	SURFACE RL:	0.00 m DATUM: AHD	MACHINE:	MF 8 Tonne Backhoe
LOCATION:	David Low Way	PIT DEPTH:	1.20 m	CONTRACTOR:	Devere
JOB NO:	127683017	BUCKET TYPE:	900mm	LOGGED:	LG DATE: 29/8/12
				CHECKED:	SRS DATE: 20/9/12

Excavation		Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
BH			0.00	0.00	DS 0.00-0.10 m pH 4.3 EC 0.037 mS/cm		CS	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	M	MD	Fill
			0.10	-0.10			LS	Loamy SAND fine to medium, black (10YR 2/1), clear quartz, many rootlets			A1 Apedal / Massive
					DS 0.25-0.35 m pH 4.8 EC 0.031 mS/cm						Diffuse Texture
			0.50	-0.50			SCL	Sandy clay LOAM fine to medium grained sand, black (10YR 2/1), clear quartz, many rootlets			B1 Apedal
					DS 0.55-0.65 m pH 5.7 EC 0.023 mS/cm						Distinct Colour & Texture Change
			0.80	-0.80		S	SAND fine to medium grained, moderately sorted, grey (10YR 5/1), clear quartz, minor yellow mottling			B2 Apedal / Massive	
					DS 0.90-1.00 m pH 5.5 EC 0.025 mS/cm						
					DS 1.10-1.20 m pH 6.0 EC 0.038 mS/cm						
					-1.20			TEST PIT DISCONTINUED @ 1.20 m			
					1.50						
					2.00						

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GAP gINT FN. F01e
RL3

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APPENDIX B3:C



REPORT OF TEST PIT: TP19/12

CLIENT: Sunshine Coast Council	COORDS: 507607.00 m E 7060096.00 m N MGA94 56	SHEET: 1 OF 1
PROJECT: Sunshine Coast Airport Expansion	SURFACE RL: 0.00 m DATUM: AHD	MACHINE: MF 8 Tonne Backhoe
LOCATION: David Low Way	PIT DEPTH: 1.20 m	CONTRACTOR: Devere
JOB NO: 127683017	BUCKET TYPE: 900mm	LOGGED: LG DATE: 29/8/12
		CHECKED: SRS DATE: 20/9/12

Excavation			Sampling			Field Material Description									
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
BH		GROUNDWATER INFLOW OBSERVED AT 1.2 M DEPTH	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	-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
				0.5	0.60			DS 0.50-0.60 m pH 5.1 EC 0.025 mS/cm					becoming light grey (10YR 7/2)	M MD	B2
				1.0	DS 0.90-1.00 m pH 5.4 EC 0.022 mS/cm										
				1.20	DS 1.10-1.20 m pH 5.5 EC 0.016 mS/cm										
			-1.20		TEST PIT DISCONTINUED @ 1.20 m										
			1.5												
			2.0												

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GAP gINT FN. F01e
RL3

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APPENDIX B3:C



REPORT OF TEST PIT: TP20/12

CLIENT:	Sunshine Coast Council	COORDS:	507754.00 m E 7059826.00 m N MGA94 56	SHEET:	1 OF 1
PROJECT:	Sunshine Coast Airport Expansion	SURFACE RL:	0.00 m DATUM: AHD	MACHINE:	MF 8 Tonne Backhoe
LOCATION:	David Low Way	PIT DEPTH:	1.20 m	CONTRACTOR:	Devere
JOB NO:	127683017	BUCKET TYPE:	900mm	LOGGED:	LG
				DATE:	29/8/12
				CHECKED:	SRS
				DATE:	20/9/12

Excavation			Sampling			Field Material Description						
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH		GROUNDWATER INFLOW OBSERVED AT 1.10 M DEPTH	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							
				0.40	-0.40			S	SAND fine to medium grained, well sorted, dark greyish brown (10YR 4/2), clear quartz			B1
				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)	M	MD	B2 Apedal
						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							
				-1.20	TEST PIT DISCONTINUED @ 1.20 m							
				1.5								
				2.0								

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP21/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 508003.00 m E 7059574.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 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

Excavation				Sampling			Field Material Description				
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
BH			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
			0.55	-0.55	DS 0.55-0.65 m pH 6.6 EC 0.019 mS/cm			becoming white (2.5YR 8/1)	M	MD	B1 Distinct Colour Change B2 Apedal
			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
			1.10	-1.20	DS 1.10-1.20 m pH 6.5 EC 0.020 mS/cm						
				-1.20				TEST PIT DISCONTINUED @ 1.20 m			
				1.5							
				2.0							

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GAP gINT FN. F01e
RL3

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APPENDIX B3:C



REPORT OF TEST PIT: TP22/12

CLIENT: Sunshine Coast Council
 PROJECT: Sunshine Coast Airport Expansion
 LOCATION: David Low Way
 JOB NO: 127683017

COORDS: 507877.00 m E 7059138.00 m N MGA94 56
 SURFACE RL: 0.00 m DATUM: AHD
 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

Excavation			Sampling			Field Material Description							
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
BH		GROUNDWATER INFLOW OBSERVED AT 1.10 M DEPTH	0.00	0.00	DS 0.00-0.10 m pH 5.7 EC 0.34 mS/cm		ZCL	Silty clay LOAM medium plasticity, trace of fine to 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				F	B1 Structure - very weak, sub-angular, blocky (10-15 mm)
			0.50	-0.50	DS 0.55-0.65 m pH 6.07 EC 0.84 mS/cm		CS	Clayey SAND fine to medium grained, grey (7.5YR 5/1), sub-rounded to sub-angular clear quartz, few rootlets				M	B2 Apedal / Massive
			0.85	-0.85	DS 0.90-1.00 m pH 6.2 EC 0.67 mS/cm		S	SAND fine to medium grained, well sorted, grey (10YR 6/1), sub-rounded to sub-angular clear quartz				MD	B3 Apedal / Massive
			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						

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GAP gINT FN. F01e
RL3

APPENDIX B3:C



REPORT OF TEST PIT: TP23/12

CLIENT: Sunshine Coast Council COORDS: 507715.00 m E 7058834.00 m N MGA94 56 SHEET: 1 OF 1
 PROJECT: Sunshine Coast Airport Expansion SURFACE RL: 0.00 m DATUM: AHD MACHINE: MF 8 Tonne Backhoe
 LOCATION: David Low Way PIT DEPTH: 1.20 m CONTRACTOR: Devere
 JOB NO: 127683017 BUCKET TYPE: 900mm LOGGED: LG DATE: 28/8/12
 CHECKED: SRS DATE: 20/9/12

Excavation				Sampling			Field Material Description								
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED GRAPHIC LOG	ASC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS			
BH		GROUNDWATER INFLOW OBSERVED AT 1.0 M DEPTH	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	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	
				0.5	DS 0.55-0.65 m pH 5.8 EC 0.009 mS/cm									MD	
				0.70	DS 0.90-1.00 m pH 5.8 EC 0.018 mS/cm			black (10YR 2/1), clear quartz						M	Distinct Colour Change B2 Apedal
				1.0	DS 1.10-1.20 m pH 5.8 EC 0.024 mS/cm										Distinct Colour & Texture Change B3
				1.20	TEST PIT DISCONTINUED @ 1.20 m										MD - D
			1.5												
			2.0												

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GAP gINT FN. F01e
RL3