

Borehole: TS9

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND****Agricultural & Environmental Scientists**

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 01.08.07

Completion date: 01.08.07

Depth NSL(m)	Drilling		Soil Description						Assays				Depth NSL(m)	
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)
				SAND with silt, dark grey-brown, with organics										3 5 8
				SAND with silt, dark grey-brown, with organics, moist										
				SAND grey, wet										
1				SAND with silt, grey, water table at 0.6m										1
				SAND with silt, grey, wet										
				SAND with silt, grey										
2				SAND dark brown (indurated), wet					SPT 0/150mm, 1/150mm, 0/150mm					2
				SAND grey to dark grey with traces of fine to medium sand, wet, high plasticity										
3				SAND grey to dark grey, very soft, traces of fine to medium sand, high plasticity										3
				SAND grey, interbedded with sandy clay at 3.3m										
4				SAND dark brown (indurated) at 3.9m					SPT 0/150mm, 0/150mm, 3/150mm					4
				SAND dark brown (indurated)										
5				SAND dark brown (indurated), low plasticity silt fines					SPT 11/150mm, 14/150mm, 15/150mm					5
				SAND dark brown (indurated), low plasticity silt fines										
6				SAND grey					SPT 3/150mm, 6/150mm, 8/150mm					6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: BH8

Project GJ0638-1

Client: Leda Developments

Northing: 6870348

Easting: 552499

RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 13

Logged by: JJT

Drilled by: Sutherland Ex

Start date: 22.06.07

Completion date: 22.06.07

Depth NSL(m)	Drilling			Soil Description						Assays				Depth NSL(m)	
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)			
												3	5		8
1				FINE SAND Grey - dark grey, abundant organics, moist										1	
				FINE SAND Grey moist to wet, water table @ 1.3m											
2				FINE TO MEDIUM SAND Dark brown (indurated), moist					SPT 5/150mm, 13/150mm, 15/150mm					2	
				FINE TO MEDIUM SAND Dark brown (indurated), moist											
3				FINE TO MEDIUM SAND (wash bore)					SPT 13/150mm, 22/150mm, 30/130mm					3	
				FINE TO MEDIUM SAND Dark brown (indurated), moist											
4				FINE TO MEDIUM SAND (wash bore)					SPT 30.50mm					4	
				FINE TO MEDIUM SAND Dark brown (indurated), moist Dark brown (indurated), moist											
5				FINE TO MEDIUM SAND (wash bore)					SPT 30/125mm					5	
				FINE TO MEDIUM SAND (Minimal sample recovered)											
6				FINE TO MEDIUM SAND (wash bore)					SPT 17/150mm, 30/150mm					6	
				FINE TO MEDIUM SAND Dark brown (indurated), moist											
7				FINE TO MEDIUM SAND (wash bore)					SPT 10/150mm, 13/150mm, 16/150mm					7	
				FINE TO MEDIUM SAND Gradual change to brown, moist											
8				FINE TO MEDIUM SAND (wash bore)					SPT 8/150mm, 13/150mm, 20/150mm					8	
				FINE TO MEDIUM SAND Brown, wet											
9				FINE TO MEDIUM SAND (wash bore)					SPT 7/150mm, 13/150mm, 18/150mm					9	
				FINE TO MEDIUM SAND Brown, wet											
10				FINE TO MEDIUM SAND (wash bore)					SPT 8/150mm, 13/150mm, 18/150mm					10	
				FINE TO MEDIUM SAND Gradual change to grey, moist											
11				FINE TO MEDIUM SAND (wash bore)					SPT 3/150mm, 4/150mm, 5/150mm					11	
				CLAYEY SAND Gradual change from F to M grained; Grey, moist-wet, abrupt change to											
12				CLAYEY SAND (wash bore)					SPT 8/150mm, 10/150mm, 10/150mm					12	
				FINE TO MEDIUM SAND Grey, moist-wet @ 11.4m, abrupt change to											
13				FINE TO MEDIUM SAND (wash bore)					SPT 8/150mm, 10/150mm, 10/150mm					12	
				FINE TO MEDIUM SAND (wash bore)											
13				LIGHT MEDIUM CLAY Grey with calcium deposits @ 12.3m					SPT 0/150mm, 0/150mm, 2/150mm					13	

Borehole: BH10

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 31.07.07

Completion date: 31.07.07

Depth NSL(m)	Drilling			Soil Description						Assays				Depth NSL(m)
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et al 1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)	
1				SAND grey, moist, occasional root systems										1
				SAND dark grey, gradual change to dark brown (indurated)										
2				FINE SAND with silt, dark brown (indurated), wet					SPT 11/150mm, 30/150mm					2
				FINE SAND (wash bore)										
3				FINE SAND with silt, dark brown (indurated), wet					SPT 30/115mm					3
				FINE SAND (wash bore)										
4				FINE SAND with silt, dark brown (indurated), wet					SPT 30/100mm					4
				FINE SAND (wash bore)										
5				FINE SAND with silt, dark brown (indurated), wet					SPT 16/150mm, 27/150mm, 30/120mm					5
				FINE SAND (wash bore)										
6				FINE SAND with silt, dark brown (indurated), wet					SPT 9/150mm, 20/150mm, 27/150mm					6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: BH12

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6.5

Logged by: DFC

Drilled by: Sutherland Ex

Start date: 23.07.07

Completion date: 23.07.07

Depth NSL(m)	Drilling		Soil Description					Assays				Depth NSL(m)		
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et al 1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class		pH(Field)	pH(Field)
										</				

Borehole: BH13

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6.5

Logged by: DFC

Drilled by: Sutherland Ex

Start date: 23.07.07

Completion date: 23.07.07

Depth NSL(m)	Drilling			Soil Description						Assays				Depth NSL(m)
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et al 1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)	
1				SILTY SAND dark grey brown, moist										1
				FINE SAND light grey brown, moist										
				FINE SAND light grey brown, moist										
				FINE SAND grey brown, moist										
				LOAMY SAND dark grey brown, moist										
2				LOAMY SAND dark brown, moist, water table at 2m										2
				SAND dark grey, (indurated) moist										
3				SAND dark brown, (indurated) moist					SPT 22/150mm, 30/105mm					3
4				SAND dark brown, (indurated) moist					SPT 11/150mm, 30/145mm					4
5				SAND dark brown, (indurated) moist					SPT 22/150mm, 30/75mm					5
6				SAND dark brown, (indurated) wet					SPT 23/150mm, 30/70mm					6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: **BH14**Project **GJ0638-1**Client: **Leda Developments**Northing: Easting: RL(m) **GILBERT + SUTHERLAND****Agricultural & Environmental Scientists**Depth (m): **6.5**Logged by: **DFC**Drilled by: **Sutherland Ex**Start date: **23.07.07**Completion date: **27.07.07**

Drilling				Soil Description					Assays					
Depth NSL(m)	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)	Depth NSL(m)
1				FINE SAND dark grey, moist					SPT 6/150mm, 13/150mm, 24/150mm					1
				FINE SAND grey brown, moist										
				FINE SAND grey, moist										
2				FINE SAND dark grey with silt, moist, water table at 1.7m										
				SAND dark brown (indurated)										
3				SAND dark brown (indurated) moist					SPT 30/100mm					3
4				SAND dark brown (indurated) moist					SPT 30/150mm					4
5				SAND dark brown (indurated) moist					SPT 30/140mm					5
6				SAND dark brown (indurated) moist					SPT 21/150, 30/125					6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: BH15

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: DFC

Drilled by: Sutherland Ex

Start date: 27.07.07

Completion date: 30.07.07

Drilling		Soil Description							Assays				Depth NSL(m)				
Depth NSL(m)	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)			
1				SANDY LOAM dark grey, moist									3	5	8	1	
				SANDY LOAM dark brown, moist													
				SANDY LOAM dark brown, saturated, water table at 0.7m													
				SANDY LOAM dark brown, saturated													
2				SAND brown (indurated) moist					SPT 19/150mm, 30/100mm							2	
3				SAND dark brown (indurated) saturated					SPT 30/120mm							3	
4				SAND dark brown (indurated) moist					SPT 26/150mm, 30/115mm							4	
5				SAND brown (indurated) moist					SPT 9/150mm, 19/150mm, 22/150mm							5	
6				SAND brown (indurated) moist					SPT 6/150mm, 11/150mm, 17/150mm							6	
7																7	
8																8	
9																9	
10																10	
11																11	
12																12	
13																13	

Borehole: **BH16**

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND****Agricultural & Environmental Scientists**

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 30.07.07

Completion date: 31.07.07

Depth NSL(m)	Drilling		Soil Description					Assays				Depth NSL(m)				
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class		pH(Field)	pH(Field)		
													3	5	8	
1				SAND dark grey, moist					SPT 4/150mm, 9/150mm, 16/150mm							1
				SAND grey, moist												
				SAND grey, moist												
				SAND grey, moist												
2				SAND dark grey brown, moist												
				SAND dark grey brown (indurated) moist. Water table at 1.7m												
3				SAND dark brown (indurated) moist					SPT 14/150mm, 30/130mm							3
				SAND dark brown (indurated) moist					SPT 19/150mm, 30/100mm							
4																4
5									SPT 26/150mm, 30/45mm							5
6									SPT 22/150mm, 30/80mm							6
7																7
8																8
9																9
10																10
11																11
12																12
13																13

Borehole: BH19

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: DFC

Drilled by: Sutherland Ex

Start date: 30.07.07

Completion date: 30.07.07

Depth NSL(m)	Drilling			Soil Description						Assays				Depth NSL(m)		
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)			
													3	5	8	
1				FINE SAND dark grey brown, moist												1
				FINE SAND grey brown, moist												
				FINE SAND grey brown, moist, water table at 1.6m					SPT 18/150mm, 30/80mm							
2				SAND brown, (indurated) moist												2
3				SAND brown, (indurated) moist					SPT 30/130mm							3
4				SAND dark brown, (indurated) moist					SPT 30/145mm							4
5				SAND brown, (indurated) moist					SPT 11/150mm, 19/150mm, 25/150mm							5
6				SAND brown, (indurated) moist					SPT 2/150mm, 6/150mm, 12/150mm							6
7																7
8																8
9																9
10																10
11																11
12																12
13																13

Borehole: BH18

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: DFC

Drilled by: Sutherland Ex

Start date: 30.07.07

Completion date: 30.07.07

Depth NSL(m)	Drilling		Soil Description						Assays				Depth NSL(m)					
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)				
														3	5	8		
1				SAND dark grey, moist														1
				SAND light grey, moist														
				SAND dark grey, moist														
				SAND dark grey brown, moist						SPT 6/150mm, 14/150mm, 23/150mm								
2				LOAMY SAND dark grey brown (indurated) moist														2
3				SAND dark grey brown (indurated) moist														3
				SAND dark grey brown (indurated) moist						SPT 12/150mm, 25/150mm, 30/150mm								
4				SAND dark brown (indurated) moist														4
				SAND dark brown (indurated) moist						SPT 8/150mm, 18/150mm, 26/150mm								
5				SAND brown (indurated sand) moist														5
				SAND brown (indurated sand) moist						SPT 6/150mm, 16/150mm, 26/150mm								
6																		6
7																		7
8																		8
9																		9
10																		10
11																		11
12																		12
13																		13

Borehole: BH20

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 30.07.07

Completion date: 31.07.07

Drilling				Soil Description						Assays				Depth NSL(m)		
Depth NSL(m)	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et al 1990)	Aust. Soil Class	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)			
				FINE SAND									3	5	8	
				SS grey												
				SS grey, water table at 1m												
1				SS dark grey, abrupt change to dark brown (indurated)												1
				FINE SAND with silt, dark brown (indurated), wet					SPT 9/150mm, 30/150mm							
2				FINE SAND (wash bore)												2
				FINE SAND with silt, dark brown (indurated), wet					SPT 30/130mm							
3				FINE SAND (wash bore)												3
				FINE SAND with silt, dark brown (indurated), wet					SPT 30/135mm							
4				FINE SAND (wash bore)												4
				FINE SAND with silt, dark brown (indurated), wet					SPT 23/150mm, 30/130mm							
5				FINE SAND (wash bore)												5
				FINE SAND with silt, dark brown (indurated), wet					SPT 15/150mm, 26/150mm, 30/90mm							
6																6
7																7
8																8
9																9
10																10
11																11
12																12
13																13

Borehole: BH22

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND****Agricultural & Environmental Scientists**

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 01.08.07

Completion date: 01.08.07

Depth NSL(m)	Drilling		Soil Description					Assays				Depth NSL(m)				
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class		pH(Field)	pH(Field)		
1				SILTY CLAY LOAM dark grey to brown, with organics, high plasticity										3	5	8
				SAND grey-brown, traces of low plasticity silt fines, water table at 0.8m												
				SAND grey-brown, traces of low plasticity silt fines, saturated												
2				SAND grey to light grey, traces of low plasticity silt fines, saturated, abrupt change to												
				SAND dark brown (indurated)												
3				SAND dark brown (indurated)												
				SAND dark brown (indurated), 3.1m layer of gravel mixed with clay												
4				SAND dark brown (indurated)						SPT 11/150mm, 25/150mm, 30/105mm						
				SAND (wash bore)												
5				SAND dark brown (indurated), gravel layers through indurated						SPT 30/145mm						
				SAND (wash bore)												
6				SAND dark brown (indurated)						SPT 9/150mm, 18/150mm, 25/150mm						
7																
8																
9																
10																
11																
12																
13																

RL(m)

Agricultural & Environmental Scientists

Completion date: 01.08.07

[illegible]

Borehole: BH25

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 02.08.07

Completion date: 02.08.07

Depth NSL(m)	Drilling		Soil Description						Assays				Depth NSL(m)	
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)
				SANDY CLAY LOAM with silt, dark grey, moist, very loose, medium to high plasticity.										
				SAND grey brown, moist, medium density										
1				SAND grey brown, moist to wet, medium density										1
				SAND grey,wet, silt bands										
2				SAND grey brown, water table at 1.6m, dark brown (indurated) at 1.9m										2
				SAND dark brown (indurated)										
3				SAND dark brown (indurated)					SPT 14/150mm, 30/150mm					3
				SAND (wash bore)										
4				SAND dark brown (indurated)					SPT 19/150mm, 30/130mm					4
				SAND (wash bore)										
5				SAND dark brown (indurated)					SPT 30/110mm					5
				SAND (wash bore)										
6				SAND dark brown (indurated)					SPT 30/135mm					6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: BH26

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 02.08.07

Completion date: 02.08.07

Depth NSL(m)	Drilling		Soil Description						Assays				Depth NSL(m)				
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)			
1				SAND with silt, dark grey, moist, with organics													
				FINE SAND with silt, dark grey, moist, areas of medium to high plasticity													
2				SAND traces of silt, grey to dark grey, water table at 0.6m													
				SAND traces of silt, grey to dark grey													
3				SAND with silt, traces of silt, grey to dark grey, abrupt change to													
				SAND with silt, dark brown (indurated sand)													
4				SAND dark brown (indurated sand)						SPT 11/150mm, 21/150mm, 30/110mm							
				SAND (wash bore)													
5				SAND dark brown (indurated sand)						SPT 30/150mm							
				SAND (wash bore)													
6				SAND dark brown (indurated sand)						SPT 30/140mm							
				SAND (wash bore)													
7				SAND dark brown (indurated sand)						SPT 30/115mm							
				SAND (wash bore)													
8				SAND dark brown (indurated sand)													
				SAND (wash bore)													
9				SAND dark brown (indurated sand)													
				SAND (wash bore)													
10				SAND dark brown (indurated sand)													
				SAND (wash bore)													
11				SAND dark brown (indurated sand)													
				SAND (wash bore)													
12				SAND dark brown (indurated sand)													
				SAND (wash bore)													
13				SAND dark brown (indurated sand)													
				SAND (wash bore)													

Borehole: BH27

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 03.08.07

Completion date: 03.08.07

Depth NSL(m)	Drilling			Soil Description						Assays				Depth NSL(m)
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et al 1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)	pH(Field)	
													360	
1				SAND dark grey-brown, very loose, moist, mottled with grey										1
				SAND dark grey-brown, very loose with silt, moist, mottled with dark grey and grey, root system or organics throughout										
2				SAND increasing silt loose to medium dense, moist tending to wet, dark grey, medium plasticity										2
				SAND increasing silt loose to medium dense, moist tending to wet, dark grey, medium plasticity, organics										
3				SAND with silt, dark brown-grey with organics										3
				SAND brown medium density with silt, water table at 2.6m										
4				SAND brown medium density with traces of silt										4
				SAND brown medium density with traces of silt										
5				SAND brown medium density with traces of silt, grey brown mottling										5
				SAND dark brown-grey medium density with traces of silt										
6				SAND brown medium density with traces of silt, very loose indurated sand at 5.2m										6
				SAND dark brown (indurated)										
7														7
8														8
9														9
10														10
11														11
12														12
13														13

Borehole: BH28

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 03.08.07

Completion date: 03.08.07

Depth NSL(m)	Drilling			Soil Description					Assays				Depth NSL(m)				
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)			
														3	5	8	
				SAND grey to dark grey, moist, trace of organics, very loose													
1				SAND light grey, loose to medium density													1
				SAND light grey, loose to medium density													
2				SAND light grey, loose to medium density, water table at 1.9m													2
				FINE SAND light grey, medium density													
3				FINE SAND light grey, medium density													3
				FINE SAND dark brown (indurated), medium density													
4				FINE SAND dark brown (indurated), medium density													4
				FINE SAND dark brown (indurated), medium density													
5				FINE SAND dark brown (indurated), medium density													5
				FINE SAND dark brown (indurated), medium density													
6				FINE SAND dark brown (indurated), medium density													6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13

Borehole: BH29

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND**

Agricultural & Environmental Scientists

Depth (m): 6

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 03.08.07

Completion date: 03.08.07

Depth NSL(m)	Drilling		Soil Description					Assays				Depth NSL(m)				
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class		pH(Field)	pH(Field)		
1				SAND grey, moist SAND with silt, grey to dark grey, moist, very loose									3	5	8	1
				SAND light grey to grey, loose, increasing moisture												
				SAND grey-brown, medium density, water table at 1.2m												
				SAND light grey, saturated												
2				FINE SAND light grey												2
				FINE SAND light grey												
3				FINE SAND light grey with bands of dark brown (indurated)												3
				FINE SAND grey with bands of dark brown (indurated)												
4				FINE SAND very dark grey												4
				FINE SAND dark brown (indurated), medium density												
5				FINE SAND dark brown (indurated), medium density												5
				FINE SAND dark brown (indurated), medium density												
6				FINE SAND dark brown (indurated), medium density												6
7																7
8																8
9																9
10																10
11																11
12																12
13																13

RL(m)

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Agricultural & Environmental Scientists

Completion date: 03.08.07

[illegible]

Borehole: MB8

Project GJ0638-1

Client: Leda Developments

Northing: Easting: RL(m) **GILBERT + SUTHERLAND****Agricultural & Environmental Scientists**

Depth (m): 3.5

Logged by: MEH

Drilled by: Sutherland Ex

Start date: 02.08.07

Completion date: 02.08.07

Depth NSL(m)	Drilling			Soil Description					Assays				Depth NSL(m)	
	Depth (RL) m	Method	Graphic log	Soil Description (as per McDonald et.al1990)	Aust. Soil Class.	Revised Standard Colour	Depositional Environment	Accessories	Additional Comments	Sample ID	Emerson class	pH(Field)		pH(Field)
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12
13														13

8 Appendix 2 – Soil field screening results

Screening results for wetland materials

GILBERT AND SUTHERLAND

Borehole	Depth (m)	Initial pH	Final pH	Peak Temp (oC)	Rxn during oxn	Pyrite pres	Degree of rxn	Pyrite grade	Shell pres	Degree of rxn	Shell grade	Category
BH43a	1.8	4.07	1.17	<50	slight	absent	nil	nil	absent	nil	nil	3
BH43a	2.25	4.32	0.6	<50	slight	absent	nil	nil	absent	nil	nil	3
BH43a	2.75	2.72	1.4	91	violent	present	slight	very fine	absent	nil	nil	1
BH43b	0.75	4.56	1.86	<50	nil	absent	nil	nil	absent	nil	nil	3
BH43b	1.05	4.42	1.39	<50	nil	absent	nil	nil	absent	nil	nil	3
BH43b	1.6	3.73	1.75	<50	nil	absent	nil	nil	absent	nil	nil	3
BH43b	2.25	2.5	0.49	<50	slight	present	slight	very fine	absent	nil	nil	3
BH44	2.1	3.78	0.8	85	violent	present	moderate	fine	absent	nil	nil	1
BH44	2.5	3.54	0.99	85	violent	present	slight	fine	absent	nil	nil	1
BH44	3.3	3.24	1.32	91	violent	present	slight	very fine	absent	nil	nil	1
BH44	4	3.13	1.03	90	violent	present	slight	very fine	absent	nil	nil	1
BH44	4.75	3.55	0.83	85	violent	present	moderate	fine	absent	nil	nil	1
BH45	1.5	4.37	0.97	<50	slight	absent	very slight	fine	absent	nil	nil	3
BH45	2.25	2.7	0.93	<50	slight	present	slight	very fine	absent	nil	nil	3
BH45	2.75	3.67	0.89	86	violent	present	very slight	very fine	absent	nil	nil	1
BH45	4	4.25	0.87	89	violent	present	nil	nil	absent	nil	nil	1
BH45	5.5	3.64	1.37	90	violent	present	nil	nil	absent	nil	nil	1
BH46	2	4.88	1.85	<50	moderate	absent	nil	nil	absent	nil	nil	3
BH46	2.9	3.24	2.04	88	violent	present	slight	fine	absent	nil	nil	1
BH46	3.9	2.7	1.7	<50	moderate	present	slight	fine	absent	nil	nil	3
BH46	4.8	3.23	2.07	84	violent	present	moderate	fine	absent	nil	nil	1
BH46	5.6	6.15	3.18	<50	nil	absent	nil	nil	absent	nil	nil	4

Screening results for wetland materials

GILBERT AND SUTHERLAND

Borehole	Depth (m)	Initial pH	Final pH	Peak Temp (°C)	Rxn during oxn	Pyrite pres	Degree of rxn	Pyrite grade	Shell pres	Degree of rxn	Shell grade	Category
BH47	0.7	4.38	1.48	<50	nil	absent	nil	nil	absent	nil	nil	3
BH47	1.6	3.05	0.85	89	violent	present	nil	nil	absent	nil	nil	1
BH47	2.25	2.18	0.68	<50	slight	absent	nil	nil	absent	nil	nil	3
BH47	3.5	2.1	0.63	<50	slight	absent	nil	nil	absent	nil	nil	3
BH47	4.8	2.86	0.85	89	violent	present	very slight	fine	absent	nil	nil	1
BH47	5.75	3.45	0.92	89	violent	present	very slight	fine	absent	nil	nil	1
BH48	0.75	4.44	1.95	<50	nil	absent	nil	nil	absent	nil	nil	3
BH48	2.75	2.89	0.92	86	violent	present	very slight	fine	absent	nil	nil	1
BH48	4	2.14	0.58	<50	moderate	present	slight	fine	absent	nil	nil	3
BH48	5.5	2.09	0.37	<50	slight	present	slight	fine	absent	nil	nil	3
BH49	1.25	2.03	0.81	<50	moderate	present	slight	fine	absent	nil	nil	3
BH49	2.5	2.8	1.43	<50	nil	absent	nil	nil	absent	nil	nil	3
BH49	4.25	2.58	0.3	<50	moderate	present	moderate	fine	absent	nil	nil	3
BH49	5.1	3.3	0.81	89	violent	present	violent	fine	absent	nil	nil	1
BH49	5.9	3.27	1.1	91	violent	present	moderate	fine	absent	nil	nil	1
BH50	2.75	3.02	0.86	86	violent	present	violent	fine	absent	nil	nil	1
BH50	3.75	2.89	0.86	85	violent	present	moderate	fine	absent	nil	nil	1
BH50	4.75	3.3	1.23	88	violent	present	violent	fine	absent	nil	nil	1
BH50	5.8	3	1.15	85	violent	present	violent	fine	absent	nil	nil	1
BH51	1.5	2.04	1.3	90	violent	present	moderate	fine	absent	nil	nil	1
BH51	3	5.57	3	<50	absent	absent	nil	nil	absent	nil	nil	4
BH51	4.1	5.47	3.6	<50	absent	absent	nil	nil	absent	nil	nil	4
BH52	1.5	2.22	1.36	90	violent	present	moderate	fine	absent	nil	nil	1
BH52	3.25	2.8	0.67	<50	nil	present	slight	fine	absent	nil	nil	3
BH52	4.4	5.15	3.14	<50	nil	absent	nil	nil	absent	nil	nil	4

Screening results for wetland materials

GILBERT AND SUTHERLAND

Borehole	Depth (m)	Initial pH	Final pH	Peak Temp (oC)	Rxn during oxn	Pyrite pres	Degree of rxn	Pyrite grade	Shell pres	Degree of rxn	Shell grade	Category
BH53	3.5	7.29	1.2	<50	slight	present	slight	fine	absent	nil	nil	3
BH53	4.5	2	0.91	<50	slight	present	slight	fine	absent	nil	nil	3
BH53	5.5	1.85	1.3	89	violent	present	moderate	fine	absent	nil	nil	1
BH54	1.5	3.23	1.1	87	violent	present	violent	fine	absent	nil	nil	1
BH54	2.5	4.31	1.13	88	violent	present	violent	fine	absent	nil	nil	1
BH54	4.25	2.48	1.03	<50	nil	present	slight	fine	absent	nil	nil	3
BH54	5.75	4.58	1.13	88	violent	present	violent	fine	absent	nil	nil	1
BH55	1.5	2.5	2.41	<50	nil	absent	nil	nil	absent	nil	nil	3
BH55	2.3	3.14	1.99	<50	nil	absent	nil	nil	absent	nil	nil	3
BH56	0.8	1.8	2.27	95	violent	present	slight	fine	absent	nil	nil	1
BH56	2.25	2	1.52	<50	nil	present	slight	fine	absent	nil	nil	3
BH56	3.5	1.98	1.55	<50	slight	absent	nil	nil	absent	nil	nil	3
BH56	5	2	1.52	<50	slight	present	slight	fine	absent	nil	nil	3
BH57	0.9	2.39	2.4	87	violent	present	slight-moderate	fine	absent	nil	nil	1
BH57	2	2.03	2.5	88	violent	present	slight-moderate	fine	absent	nil	nil	2
BH57	3.5	2.8	2.07	90	violent	present	slight	fine	absent	nil	nil	1
BH57	5	3.07	1.58	<50	nil	present	slight	fine	absent	nil	nil	3
BH57	6	2.96	-	90	violent	present	nil	nil	absent	nil	nil	1
BH58	0.9	3.14	1.26	90	violent	present	slight-moderate	moderate	absent	nil	nil	1
BH58	2	4.47	1.5	88	violent	present	slight	fine	absent	nil	nil	1
BH58	3.1	4.49	1.86	86	violent	present	slight-moderate	fine	absent	nil	nil	1
BH58	4.5	3.69	1.53	88	violent	present	slight-moderate	fine	absent	nil	nil	1
BH58	5.5	3.87	1.92	89	violent	present	violent	fine	absent	nil	nil	1

Screening results for wetland materials

GILBERT AND SUTHERLAND

Borehole	Depth (m)	Initial pH	Final pH	Peak Temp (oC)	Rxn during oxn	Pyrite pres	Degree of rxn	Pyrite grade	Shell pres	Degree of rxn	Shell grade	Category
BH59	1.4	2.51	1.65	87	violent	present	moderate-violent	fine	absent	nil	nil	1
BH59	2	4.86	1.96	90	violent	present	violent	fine	absent	nil	nil	1
BH59	3.25	4.72	1.9	89	violent	present	violent	fine	absent	nil	nil	1
BH59	4.5	4.27	2.09	92	violent	present	moderate	fine	absent	nil	nil	1
BH59	5.7	4.66	2.15	90	violent	present	moderate	fine	absent	nil	nil	1
BH60	2.25	3.89	2.14	79	violent	present	violent	fine	absent	nil	nil	2
BH60	2.75	2.77	2.07	90	violent	present	slight	fine	absent	nil	nil	1
BH60	3.75	2.98	2.05	91	violent	present	slight	fine	absent	nil	nil	1
BH60	5.5	3.48	1.78	86	violent	present	moderate-violent	fine	absent	nil	nil	1
BH61	2	3	1.79	89	violent	present	violent	fine	absent	nil	nil	1
BH61	2.4	4.06	2.1	85	violent	present	violent	fine	absent	nil	nil	1
BH61	3.9	4.46	2.26	86	violent	present	moderate	fine	absent	nil	nil	1
BH61	5.5	5.07	1.96	86	violent	present	violent	fine	absent	nil	nil	1
BH62	1.75	2.58	1.3	89	violent	present	moderate	fine	absent	nil	nil	1
BH62	4.1	3.04	1.92	<50	nil	absent	nil	nil	absent	nil	nil	3
BH62	5.5	5.48	3.93	<50	nil	absent	nil	nil	absent	nil	nil	4

Provisional Test Results

Job. No. : GSM1514

Issued: 6/6/07, 12:41 PM

Project : GJ0350, for Gilbert & Sutherland

Sam No.	Client I.D.	Soil Type (truncated description)	Date Sampled	Reaction to Peroxide	Reaction to HCl	pH _F 1:5 suspension in 1 molar NaCl	pH _{FOX} 1:5 suspension in 1 molar NaCl
9379	TS01 5.50	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.5	3.6
9380	TS01 6.00	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.5	3.6
9381	TS01 6.50	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.6	3.5
9382	TS01 7.00	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.5	3.5
9383	TS01 7.50	SAND (SP), brown	30/05/2007	Nil	Nil	4.6	3.5
9384	TS01 8.00	SAND (SP), brown	30/05/2007	Slight	Nil	4.6	3.3
9385	TS01 8.50	SAND (SP), brown	30/05/2007	Slight	Nil	4.7	3.3
9386	TS01 9.00	SAND (SP), brown	30/05/2007	Slight	Nil	4.8	3.1
9387	TS01 9.50	SAND (SP), brown	30/05/2007	Slight	Nil	5.0	3.3
9388	TS01 10.00	SAND (SP), brown	30/05/2007	Slight	Nil	5.1	2.9
9389	TS01 10.50	SAND (SP), brown	30/05/2007	Slight	Nil	5.3	3.0
9390	TS01 11.00	SAND (SP), grey-brown	30/05/2007	Moderate	Nil	5.4	2.8
9391	TS01 11.50	SAND (SP), grey-brown	30/05/2007	Strong	Nil	5.9	2.6
9392	TS01 12.00	SAND (SP), grey	30/05/2007	Strong	Nil	6.1	2.3
9393	TS01 12.50	Marine, Silty CLAY (CH), grey-dark grey	30/05/2007	Strong	Nil	7.2	4.4
9394	TS01 13.00	Marine, Silty CLAY (CH), grey-dark grey	30/05/2007	Strong	Moderate	7.6	6.4
9395	TS02 0.00	Clayey SILT (ML), dark grey	30/05/2007	Slight	Nil	3.2	2.6
9396	TS02 0.50	SAND (SP), grey-brown	30/05/2007	Nil	Nil	3.3	2.9
9397	TS02 1.00	SAND (SP), light grey-brown	30/05/2007	Nil	Nil	4.0	3.6
9398	TS02 1.50	Indurated SAND (SP) dark brown	30/05/2007	Nil	Nil	4.0	3.3
9399	TS02 2.50	Indurated SAND (SP) dark brown	30/05/2007	Nil	Nil	4.3	3.7
9400	TS02 3.00	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.3	3.6
9401	TS02 3.50	SAND (SP), dark grey-brown	30/05/2007	Nil	Nil	4.3	3.7
9402	TS02 4.00	Indurated SAND (SP) dark brown	30/05/2007	Slight	Nil	4.4	3.6
9403	TS02 4.50	Indurated SAND (SP) dark brown	30/05/2007	Slight	Nil	4.4	3.4
9404	TS02 5.00	SAND (SP), brown	30/05/2007	Slight	Nil	4.6	3.6
9405	TS02 5.50	SAND (SP), brown	30/05/2007	Slight	Nil	4.6	3.6
9406	TS02 6.00	SAND (SP), brown	30/05/2007	Slight	Nil	4.8	3.6
9407	TS02 6.50	SAND (SP), brown	30/05/2007	Slight	Nil	5.2	3.3
9408	TS02 7.00	SAND (SP), brown	30/05/2007	Moderate	Nil	5.1	2.6
9409	TS02 8.00	SAND (SP), brown	30/05/2007	Strong	Nil	4.9	2.4
9410	TS02 8.50	SAND (SP), grey	30/05/2007	Strong	Nil	5.7	2.1
9411	TS02 9.00	SAND (SP), grey	30/05/2007	Strong	Nil	5.9	2.0
9412	TS02 9.50	SAND (SP), light grey	30/05/2007	Strong	Nil	5.4	2.5
9413	TS02 10.00	SAND (SP), light grey	30/05/2007	Strong	Nil	4.6	2.5
9414	TS02 10.50	SAND (SP), light grey	30/05/2007	Strong	Nil	4.6	2.5
9415	TS02 11.00	Clayey SAND (SC), grey-light grey	30/05/2007	Strong	Nil	6.3	1.9
9416	TS02 11.50	Marine, Silty CLAY (CH), grey	30/05/2007	Strong	Slight	7.7	6.1
9417	TS02 12.00	Marine, Sandy CLAY (CH), grey	30/05/2007	Strong	Moderate	7.8	6.2
9418	TS02 12.50	Marine, Silty CLAY (CH), grey	30/05/2007	Moderate	Nil	7.1	4.7
9419	TS02 12.75	Marine, Silty CLAY (CH), grey-light brown	30/05/2007	Strong	Nil	6.8	4.0
9420	TS02 13.00	Marine, Silty CLAY (CH), grey-light brown	30/05/2007	Moderate	Nil	7.0	4.3

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Provisional Test Results

Job. No. : GSM1523

Issued: 27/6/07, 11:18 AM

Project : GJ0638, for Gilbert & Sutherland

Sam No.	Client I.D.	Soil Type (truncated description)	Date Sampled	Reaction to Peroxide	Reaction to HCl	pH _F 1:5 suspension in 1 molar NaCl	pH _{FOX} 1:5 suspension in 1 molar NaCl
9923	BH8 0.00-0.50	SAND (SP), brown & dark grey-brown	22/06/2007	Nil	Nil	3.3	3.1
9924	BH8 0.50-1.00	SAND (SP), grey-light grey	22/06/2007	Nil	Nil	4.0	3.4
9925	BH8 1.00-1.50	SAND (SP), dark grey-brown	22/06/2007	Nil	Nil	3.4	3.2
9926	BH8 1.50-2.00	Silty SAND (SM), dark brown	22/06/2007	Slight	Nil	3.4	2.7
9927	BH8 2.50-3.00	SAND (SP), dark brown	22/06/2007	Slight	Nil	3.5	2.7
9928	BH8 3.50-4.00	Indurated SAND (SP), dark grey-brown	22/06/2007	Slight	Nil	3.4	2.9
9929	BH8 4.50-5.00	Silty SAND (SM), dark brown	22/06/2007	Slight	Nil	4.2	3.7
9930	BH8 5.50-6.00	SAND (SP), dark brown	22/06/2007	Slight	Nil	4.5	3.4
9931	BH8 6.50-7.00	SAND (SP), dark brown	22/06/2007	Slight	Nil	4.6	3.4
9932	BH8 7.50-8.00	SAND (SP), dark brown	22/06/2007	Slight	Nil	4.5	3.1
9933	BH8 8.50-9.00	SAND (SP), brown	22/06/2007	Moderate	Nil	4.9	3.0
9934	BH8 9.50-10.00	SAND (SP), grey-brown	22/06/2007	Moderate	Nil	4.7	2.9
9935	BH8 10.50-11.00	SAND (SP), grey-brown	22/06/2007	Moderate	Nil	5.0	2.8
9936	BH8 11.50-12.00	SAND (SP), grey-brown	22/06/2007	Moderate	Nil	6.2	3.3
9937	BH8 12.50-13.00	Silty CLAY (CH), dark grey	22/06/2007	Strong	Moderate	7.6	6.7
9863	TS4 0.00-0.50	SAND (SP), brown	20/06/2007	Nil	Nil	3.9	3.5
9864	TS4 0.50-1.00	SAND (SP), grey-light grey	20/06/2007	Nil	Nil	4.2	3.5
9865	TS4 1.00-1.50	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	3.3	3.0
9866	TS4 1.50-2.00	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	3.5	3.2
9867	TS4 2.50-3.00	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	3.8	3.3
9868	TS4 3.50-4.00	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	4.0	3.4
9869	TS4 4.50-5.00	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	4.0	3.5
9870	TS4 5.50-6.00	SAND (SP), brown	20/06/2007	Nil	Nil	4.4	4.0
9871	TS4 6.50-7.00	SAND (SP), brown	20/06/2007	Nil	Nil	4.5	3.7
9872	TS4 7.50-8.00	SAND (SP), brown	20/06/2007	Nil	Nil	4.7	3.8
9873	TS4 8.50-9.00	SAND (SP), brown	20/06/2007	Nil	Nil	4.7	3.8
9874	TS4 9.50-10.00	SAND (SP), brown	20/06/2007	Slight	Nil	4.9	3.6
9875	TS4 10.50-11.00	SAND (SP), brown	20/06/2007	Slight	Nil	4.5	3.5
9876	TS4 11.50-12.00	SAND (SP), grey-light grey	20/06/2007	Slight	Nil	4.5	3.4
9877	TS4 12.50-13.00	SAND (SP), grey-brown	20/06/2007	Slight	Nil	4.8	2.9
9878	TS4 13.50-14.00	SAND (SP), grey, trace dark grey	20/06/2007	Strong	Nil	5.7	2.5
9879	TS4 14.50-15.00	Silty CLAY (CH), dark grey	20/06/2007	Strong	Moderate	7.6	6.5
9880	TS5 0.00-0.50	SAND (SP), light brown & dark grey-brown	20/06/2007	Nil	Nil	3.3	3.1
9881	TS5 0.50-1.00	SAND (SP), grey-light grey	20/06/2007	Nil	Nil	4.2	3.5
9882	TS5 1.00-1.50	SAND (SP), grey-light grey	20/06/2007	Nil	Nil	3.9	3.3
9883	TS5 1.50-2.00	Silty SAND (SM), dark grey-brown	20/06/2007	Nil	Nil	3.2	2.9
9884	TS5 3.50-4.00	Silty SAND (SM), dark grey-brown	20/06/2007	Slight	Nil	3.8	2.8
9885	TS5 4.50-5.00	Silty SAND (SM), dark grey-brown	20/06/2007	Slight	Nil	4.0	3.4
9886	TS5 5.50-6.00	SAND (SP), dark brown	20/06/2007	Slight	Nil	4.3	3.5
9887	TS5 6.50-7.00	SAND (SP), dark brown	20/06/2007	Slight	Nil	4.5	3.6
9888	TS5 7.50-8.00	SAND (SP), dark brown	20/06/2007	Slight	Nil	4.5	3.6
9889	TS5 8.50-9.00	SAND (SP), brown	20/06/2007	Slight	Nil	4.7	3.3
9890	TS5 9.50-10.00	SAND (SP), grey-brown	20/06/2007	Slight	Nil	4.9	3.3
9891	TS5 10.50-11.00	SAND (SP), grey-brown	20/06/2007	Slight	Nil	5.0	3.1

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Provisional Test Results

Job. No. : GSM1523

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Project : GJ0638, for Gilbert & Sutherland

Sam No.	Client I.D.	Soil Type (truncated description)	Date Sampled	Reaction to Peroxide	Reaction to HCl	pH _F 1:5 suspension in 1 molar NaCl	pH _{OX} 1:5 suspension in 1 molar NaCl
9892	TS5 11.50-12.00	SAND (SP), grey-brown	20/06/2007	Slight	Nil	4.7	3.0
9893	TS5 12.50-13.00	SAND (SP), grey-brown	20/06/2007	Slight	Nil	5.0	2.9
9894	TS5 13.50-14.00	Silty CLAY (CH), dark grey	20/06/2007	Strong	Moderate	7.7	6.8
9895	TS6 0.00-0.50	SAND (SP), light brown & dark grey-brown	21/06/2007	Slight	Nil	3.5	3.2
9896	TS6 0.50-1.00	SAND (SP), light grey-brown	21/06/2007	Nil	Nil	3.9	3.4
9897	TS6 1.00-1.50	Silty SAND (SM), dark grey-brown	21/06/2007	Nil	Nil	3.2	2.9
9898	TS6 1.50-2.00	Silty SAND (SM), dark brown	21/06/2007	Slight	Nil	4.6	3.1
9899	TS6 2.50-3.00	SAND (SP), dark grey-brown	21/06/2007	Moderate	Nil	3.6	2.9
9900	TS6 4.50-5.00	SAND (SP), dark grey-brown	21/06/2007	Nil	Nil	3.9	3.1
9901	TS6 5.50-6.00	SAND (SP), dark grey-brown	21/06/2007	Nil	Nil	4.2	3.8
9902	TS6 6.50-7.00	SAND (SP), dark brown	21/06/2007	Slight	Nil	4.4	3.6
9903	TS6 7.50-8.00	SAND (SP), dark brown	21/06/2007	Slight	Nil	4.4	3.6
9904	TS6 8.50-9.00	SAND (SP), dark brown	21/06/2007	Slight	Nil	4.1	3.5
9905	TS6 9.50-10.00	SAND (SP), dark brown	21/06/2007	Slight	Nil	4.5	3.3
9906	TS6 10.50-11.00	SAND (SP), grey-brown	21/06/2007	Slight	Nil	4.4	3.2
9907	TS6 11.50-12.00	SAND (SP), grey-brown	21/06/2007	Slight	Nil	4.8	3.1
9908	TS6 12.50-13.00	SAND (SP), grey	21/06/2007	Moderate	Nil	5.5	2.7
9909	TS6 13.50-14.00	Silty CLAY (CH), dark grey	21/06/2007	Strong	Nil	6.3	3.2
9938	TS7 0.00-0.50	Silty SAND (SM), dark brown	21/06/2007	Slight	Nil	3.2	3.1
9939	TS7 0.50-1.00	SAND (SP), light grey & brown	21/06/2007	Nil	Nil	3.2	3.1
9940	TS7 1.00-1.50	SAND (SP), grey-light grey	21/06/2007	Nil	Nil	3.5	3.4
9910	TS7 1.50-2.00	SAND (SP), grey-brown	22/06/2007	Slight	Nil	5.7	3.5
9911	TS7 2.50-3.00	SAND (SP), dark brown	22/06/2007	Nil	Nil	3.6	2.8
9912	TS7 3.50-4.00	Silty SAND (SM), dark brown	22/06/2007	Nil	Nil	3.4	2.9
9913	TS7 4.50-5.00	Indurated SAND (SP), dark grey-brown	22/06/2007	Nil	Nil	3.8	3.2
9914	TS7 5.50-6.00	Indurated SAND (SP), dark grey-brown	22/06/2007	Nil	Nil	4.2	3.5
9915	TS7 6.50-7.00	Indurated SAND (SP), dark grey-brown	22/06/2007	Nil	Nil	4.1	3.4
9916	TS7 7.50-8.00	SAND (SP), dark grey-brown	22/06/2007	Nil	Nil	4.1	3.2
9917	TS7 8.50-9.00	SAND (SP), dark grey-brown	22/06/2007	Slight	Nil	4.4	3.2
9918	TS7 9.50-10.00	SAND (SP), dark grey-brown	22/06/2007	Slight	Nil	4.3	3.2
9919	TS7 10.50-11.00	SAND (SP), grey-brown	22/06/2007	Moderate	Nil	4.7	2.4
9920	TS7 11.50-12.00	SAND (SP), grey-brown	22/06/2007	Strong	Nil	4.4	2.2
9921	TS7 12.50-13.00	SAND (SP), grey-brown	22/06/2007	Moderate	Nil	4.8	2.7
9922	TS7 13.50-14.00	Silty CLAY (CH), dark grey	22/06/2007	Strong	Moderate	7.7	6.8

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Project : GJ0638, for Gilbert & Sutherland

Sam No.	Client I.D.	Soil Type (truncated description)	Date Sampled	Reaction to Peroxide	Reaction to HCl	pH _f 1:5 suspension in 1 molar NaCl	pH _{ox} 1:5 suspension in 1 molar NaCl
10122	BH12 0.00-0.50	Silty CLAY (Cl), dark grey-brown	23/07/2007	Slight	Nil	3.7	3.2
10123	BH12 0.50-1.00	Clayey SAND (SC), dark grey-brown	23/07/2007	Nil	Nil	3.8	3.3
10124	BH12 1.00-1.50	SAND (SP), grey-brown	23/07/2007	Moderate	Nil	4.0	2.6
10125	BH12 1.50-2.00	SAND (SP), grey-brown	23/07/2007	Slight	Nil	4.0	2.6
10126	BH12 2.00-2.50	Silty SAND (SM), dark grey-brown	23/07/2007	Slight	Nil	3.8	3.1
10127	BH12 2.50-3.00	Silty SAND (SM), dark grey-brown	23/07/2007	Slight	Nil	4.4	3.8
10128	BH12 3.00-4.00	Silty SAND (SM), brown-dark brown	23/07/2007	Nil	Nil	4.5	3.7
10129	BH12 4.00-5.00	Silty SAND (SM), brown-dark brown	23/07/2007	Slight	Nil	4.6	3.6
10130	BH12 5.00-6.00	SAND (SP), brown	23/07/2007	Slight	Nil	4.9	3.4
10131	BH12 6.00-6.50	SAND (SP), brown	23/07/2007	Moderate	Nil	4.9	2.6
10132	BH13 0.00-0.50	SAND (SP), dark grey & brown	23/07/2007	Nil	Nil	3.1	2.8
10133	BH13 0.50-1.00	SAND (SP), light brown	23/07/2007	Nil	Nil	4.0	3.4
10134	BH13 1.00-1.50	Silty SAND (SM), dark grey-brown	23/07/2007	Nil	Nil	3.1	2.9
10135	BH13 1.50-2.00	SAND (SP), grey-dark grey	23/07/2007	Moderate	Nil	4.4	2.6
10136	BH13 2.00-2.50	SAND (SP), dark grey-brown	23/07/2007	Slight	Nil	3.6	3.1
10137	BH13 2.50-3.50	SAND (SP), dark grey-brown	23/07/2007	Nil	Nil	3.9	3.4
10138	BH13 3.50-4.50	SAND (SP), brown-dark brown	23/07/2007	Nil	Nil	3.9	3.4
10139	BH13 4.50-5.50	SAND (SP), brown-dark brown	23/07/2007	Slight	Nil	4.1	3.4
10140	BH13 5.50-6.50	SAND (SP), brown-dark brown	23/07/2007	Slight	Nil	4.4	3.7
10141	BH14 0.00-0.50	SAND (SP), dark grey & brown	23/07/2007	Slight	Nil	3.6	3.0
10142	BH14 0.50-1.00	SAND (SP), brown-light brown	23/07/2007	Nil	Nil	4.2	3.6
10143	BH14 1.00-1.50	Silty SAND (SM), grey & dark grey	23/07/2007	Nil	Nil	3.4	3.1
10144	BH14 1.50-2.00	Silty SAND (SM), grey & dark grey	23/07/2007	Slight	Nil	3.5	3.0
10145	BH14 2.00-2.50	SAND (SP), dark brown	23/07/2007	Nil	Nil	3.5	3.1