

Project ID: CES050706-BCC

Easting: 329554.256



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

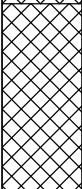
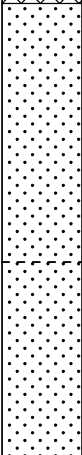
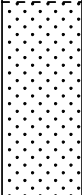
Northing: 6243257.574

Client: Boyd Cooks Cove

Elevation: 1.21

Location: Cooks Cove - Area A

Environmental Log: ABH258

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, dense, moist with roots	120508-251-KW	Push Tube					
				FILL: Sand, brown, fine to medium grained, loose, moist with sandstone gravels							
1				FILL: Silty sand, dark brown, fine grained, very dense, and moist	120508-252-KW	Push Tube					
				FILL: Sand, pale brown, fine to medium grained, dense, moist with silt lenses							
				SAND: Sand, pale grey, fine to medium grained, silt lenses, moist, trace clay from 1.5m. Saturated from 1.5-2.1m with H2S odour	120508-253-KW	Push Tube					
2				SAND: Sand, pale grey, fine to medium grained, dense and moist to wet							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329604.740

Project: ESA

Northing: 6243280.712

Client: Boyd Cooks Cove

Elevation: 1.21

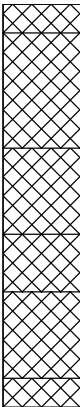
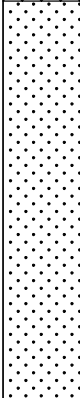


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH259**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL					
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)								
							0	250	500	750					
0	Direct Push			FILL: Grass on silty sand topsoil, dark brown, loose and moist with roots	120508-248-KW	Push Tube									
							FILL: Sand, brown, fine grained, moist, roots and silt inclusions								
							FILL: Sand, pale gray, fine grained, loose, moist with silt lenses	120508-249-KW	Push Tube						
							FILL: Silty clay, brown/grey, soft and wet								
1							FILL: Sand, aple grey, fine to medium grained, dense and wet with shells, orange mottles and silt lenses								
				FILL: Silty clay, dark grey, soft and wet											
				SAND: Sand, pale grey, fine to medium grained, moist and loose											
2					120508-250-KW	Push Tube									
3				EOH at 2.8mBGL (targeted depth)											
4															
5															

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329656.650



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243268.514

Client: Boyd Cooks Cove

Elevation: 1.74

Location: Cooks Cove - Area A

Environmental Log: ABH260

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, dry, loose, roots with gravels	120508-243-KW	Push Tube						
					FILL: Sand, pale grey, fine grained, dry, loose, shells and moist from 1.0m							
						120508-246-KW	Push Tube					
						120508-245-KW	Push Tube					
1						FILL: Silty sand, layered orange/brown/grey with trace sand, moist, shells and wet from 1.5-1.8m						
						120508-247-KW	Push Tube					
						FILL: Silty clay, dark grey, soft and wet						
2						FILL: Silty sand, black, fine grained, roots, trace clay and moist						
						SAND: Sand, pale grey, moderately dense and wet						
						SAND: Sand, dark grey, silt lenses, fine grained, dense and moist						
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329700.965



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243271.449

Client: Boyd Cooks Cove

Elevation: 3.04

Location: Cooks Cove - Area A

Environmental Log:

ABH261

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							○	250	500	750			
0	Direct Push			FILL: Grass on silty sand topsoil, brown, loose and dry	120508-244-KW	Push Tube							
				FILL: Silty sand, dark grey/black, fine grained, dry to moist and loose									
				FILL: Sand, yellow, fine to medium grained, dry to moist, loose with sporadic shells									
1													
							120508-241-KW	Push Tube					
2													
						FILL: Silty sand with trace clay, brown, soft, shells with pale grey sand, fine grained and wet							
						FILL: Silty clay, dark brown, dense and moist							
						FILL: Silty sand, dark brown, dense and moist							
													
					120508-242-KW	Push Tube							
3				SAND: Sand, grey, fine to medium grained, firm, moist with silt lenses. EOH at 2.8mBGL (targeted depth)									
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 329744.916



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243270.357

Client: Boyd Cooks Cove

Elevation: 1.53

Location: Cooks Cove - Area A

Environmental Log:

ABH262

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over sand topsoil, brown, dry and loose	120508-240-KW							
				FILL: Sand, yellow, fien to medium grained, loose dry with shells	120508-238-KW	Push Tube						
1												
						SAND: Sand, grey, silt lenses wet and shells	120508-239-KW	Push Tube				
2						SILTY CLAY: Silty clay, dark grey, soft and wet						
				SILT: Silt, dark brown, soft and wet								
				SILTY SAND: Silty clayey sand, dark brown, firm and moist								
				SILTY SAND: Silty clayey sand, dark brown, firm and moist								
				Bottom of well (sampled depth)								
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329790.581



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243269.523

Client: Boyd Cooks Cove

Elevation: 0.56

Location: Cooks Cove - Area A

Environmental Log: ABH263

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass on sand topsoil, fine grained, dry, roots and loose	120508-235-KW	Push Tube						
1					FILL: SAnd, yellow, fine grained, loose and dry. Medium grained with shells at 1.2m							
					FILL: Calyeye sandy silt, black, firm and moist	120508-236-KW	Push Tube					
2					FILL: Silty clay, dark brown, firm to stiff and moist							
				CLAYEY SAND: Clayey silty sand, dark grey, fine grained, dense, wet, dark grey with shells and H2S odour	120508-237-KW	Push Tube						
				SILTY SAND: Silty sand, pale grey, mostly shells								
				EOH at 2.8mBGL (targeted depth)								
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329834.351

Project: ESA

Northing: 6243275.328

Client: Boyd Cooks Cove

Elevation: 1.15

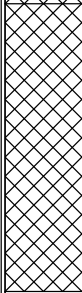
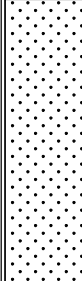


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH264**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, fine grained, roots, dry and loose	120508-232-KW	Push Tube					
				FILL: Sand, yellow, finr to medium grained, loose, dry with shells	120508-233-KW	Push Tube					
1				SAND: Sand, greym fine to medium grained, loose, moist with silt lenses and H2S odour. Wet at 1.4m and saturated to 2.2m							
2				SILTY SAND: Silty clayay sand, brown/grey, soft and wet with shells at 2.7m	120508-234-KW	Push Tube					
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329879.674



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243269.251

Client: Boyd Cooks Cove

Elevation: 0.98

Location: Cooks Cove - Area A

Environmental Log: ABH265

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand, dark brown, dense, moist, fine grained with roots and shells	120508-228-KW	Push Tube					
				FILL: Sand, yellow, fine to medium grained, loose, moist with orange mottles and shells							
				FILL: Sand, pale grey, medium grained, dense, moist with shells and wet at 1.0m	120508-230-KW	Push Tube					
1				FILL: Silty clayey sand, dark grey, shells, medium grained and wet	120508-229-KW	Push Tube					
				SAND: Sand with silt lenses, pale grey, medium grained, wet and dense							
				SILTY SAND: Silty clayey sand, dark grey, soft wet with shells at 2.5m	120508-231-KW	Push Tube					
2											
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329923.654

Project: ESA

Northing: 6243270.129

Client: Boyd Cooks Cove

Elevation: 0.89



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH266**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over sand silt, brown, fine grained, moist, loose with rootlets	120508-226-KW	Push Tube					
				FILL: Sand, yellow becoming pale grey, medium grained, moist with shells							
1				FILL: Sand, pale grey with orange mottling, moist to wet with shell layers							
				SILTY SAND: Silty sand, grey, moist to wet, fine to medium grained with shells	120508-227-KW	Push Tube					
2				SILTY SAND: Silty clayey sand, dark brown/grey, wet, fine grained, H2S odour and shells. Saturated from 1.9 to 2.8m							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329967.925



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243267.861

Client: Boyd Cooks Cove

Elevation: 0.84

Location: Cooks Cove - Area A

Environmental Log:

ABH267

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sandtopsoil, brown, fine to medium grained dry, rootlets and shells	120508-223-KW	Push Tube						
				FILL: Sand, pale grey/yellow, medium grained, moist and loose with shells and roots	120508-224-KW	Push Tube						
1				FILL: Silty sand, black/dark brown, fine grained, moist to wet with organic odour	120508-225-KW	Push Tube						
				SILTY SAND: Silty clayey sand, pale brown, fine grained, moist to wet with organic odour								
2				SAND: Sand, pale grey, medium grained, loose and wet with shells								
				SILTY SAND: Silty clayey sand, dark grey, soft and wet with organic odour								
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329593.088



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243240.023

Client: Boyd Cooks Cove

Elevation: 1.23

Location: Cooks Cove - Area A

Environmental Log: ABH268

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, firm and moist with roots	120508-275-KW	Push Tube					
				FILL: Silty sand, brown, fine grained, moist and loose							
				FILL: Silty sand with trace clay, brown/grey, fine grained, moist, gravels and shells	120508-273-KW	Push Tube					
				FILL: Sandstone, orange/grey, hard and moist							
1				FILL: Clay, orange/brown/grey/red mottles, stiff with roots							
				SILTY SAND: Silty clayey sand, dark grey, fine grained, firm, moist to wet	120508-274-KW	Push Tube					
2											
				SAND: Sand, pale grey, fine to medium grained, moderately dense and moist							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329604.835



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

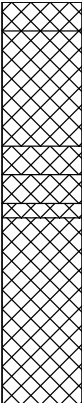
Northing: 6243226.073

Client: Boyd Cooks Cove

Elevation: 1.78

Location: Cooks Cove - Area A

Environmental Log: ABH269

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, dry and loose	130508-314-KW	Push Tube								
						FILL: Sand, brown, fine grained, dry, loose with shells								
						FILL: Silty sand, dark brown, moist, roots with organic odour	130508-315-KW	Push Tube						
						FILL: Sand, yellow, fine to medium grained, loose to moderately dense								
1						FILL: Silty clay, dark brown, soft and moist								
						FILL: Crushed sandstone, yellow/orange, moist and hard	130508-316-KW	Push Tube						
						SILTY SAND: Silty clayey sand, dark brown, wet, dense with slight H2S odour								
2														
							SILTY SAND: Silty sand, grey, fine to medium grained, silt lenses, dense and moist							
3							EOH at 2.8mBGL (targeted depth)							
4														
5														

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329651.860



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243217.683

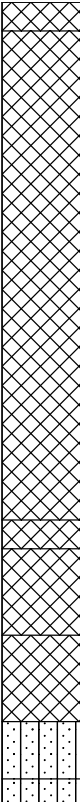
Client: Boyd Cooks Cove

Elevation: 1.77

Location: Cooks Cove - Area A

Environmental Log:

ABH270

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							○	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, moist, loose with roots	130508-311-KW	Push Tube							
						FILL: Sand, yellow, fine to medium grained, loose, moist with numerous shells. Wet at 1.5m							
1						FILL: Sand, pale grey, fine to medium grained, moderately dense, wet with trace shells	130508-312-KW	Push Tube					
2						FILL: Silty clay, dark brown, soft and wet							
						FILL: Silty sand, dark brown/black, fine grained, moist with rootlets and trace clay							
				SILTY SAND: Silty clayey sand, dark brown, fine grained, wet and soft	130508-313-KW	Push Tube							
3				SILTY SAND: Silty sand, dark grey, fine grained, dense, moist with rootlets									
				EOH at 2.8mBGL (targeted depth)									
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329701.581



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

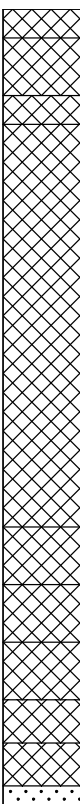
Northing: 6243235.471

Client: Boyd Cooks Cove

Elevation: 2.04

Location: Cooks Cove - Area A

Environmental Log: ABH271

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over sandy topsoil, brown, fine to medium, dry, loose with roots	130508-308-KW	Push Tube								
				FILL: Silty sand, pale brown, dry and loose										
				FILL: Sand, yellow, fine grained, dry, loose with shells	130508-309-KW	Push Tube								
				FILL: Sand, pale grey, fine to medium grained, dry grading to moist with depth, shells and loose										
1														
				FILL: Silty sand with trace clay, dark grey, fine to medium grained, numerous shells. Silty clay lenses	130508-310-KW	Push Tube								
2				FILL: Silty clayey sand, dark grey, fine grained, wet to saturated										
				FILL: Silty sand, dark brown, firm, moist to wet										
				FILL: Silty bsand, dark grey/black, fine grained and wet										
3							FILL: Silty clay, dark brown, wet and dense							
				SAND: Sand, grey, medium to course grained, wet with silt lenses. EOH at 2.8mBGL (targeted depth)										
4														
5														

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329748.078



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

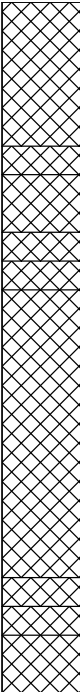
Northing: 6243224.958

Client: Boyd Cooks Cove

Elevation: 2.32

Location: Cooks Cove - Area A

Environmental Log: ABH272

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over sand, pale brown, fine to medium grained, dry, loose with roots. Charcoal fragments and metal pieces	130508-305-KW	Push Tube							
				FILL: Bark, brown and dry	130508-304-KW	Push Tube							
				FILL: Clay, orange/red/grey, stiff, dry with rootlets									
				FILL: Silty, sand, dark brown, fine grained, dry to moist with rootlets									
				FILL: Silty clay, dark brown, dry to moist, soft with shells									
				FILL: Sand, pale grey, fine to medium grained, moderately dense, moist to wet with shells and orange mottles									
				FILL: Silty clayey sand, dark grey, fine to medium grained, soft and wet									
				FILL: Sandy silt, dark grey, soft and wet	130508-307-KW	Push Tube							
				FILL: Silty clay, dark brown, soft and wet									
				SILTY SAND: Silty clayey sand, dark grey, fine to medium grained, wet and soft									
3				EOH at 2.8mBGL (targeted depth)									
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329799.533



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

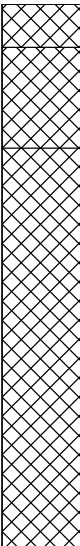
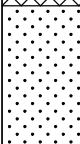
Northing: 6243215.432

Client: Boyd Cooks Cove

Elevation: 1.66

Location: Cooks Cove - Area A

Environmental Log: ABH273

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, brown, fine grained, dry and loose with roots	130508-292-KW	Push Tube						
				FILL: Sand, aple brown, fine grained, dry and loose with roots and shells								
				FILL: Sand, yellow/pale grey with orange mottles and trace silts and several shells. Fine grained and moist	130508-294-KW	Push Tube						
1				130508-293-KW	Push Tube							
2					SAND: Sand, pale grey, fine to medium grained, moderately dense and wet with shells							
					SILTY CLAY: Silty clay, dark brown, soft and wet							
			SILTY SAND: Silty clayey sand, dark grey, wet and dense. FOH at 2.8mBGL (targeted depth)									
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329843.486



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243214.480

Client: Boyd Cooks Cove

Elevation: 2.05

Location: Cooks Cove - Area A

Environmental Log: ABH274

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, brown, dry, fine grained with rootlets	130508-289-KW	Push Tube	◆					
				FILL: Crushed sandstone, orange/brown, coarse grained with clay and moist			◆					
				FILL: Sand, dark brown, fine to medium grained, loose and moist	130508-290-KW	Push Tube						
				SAND: Sand, pale grey, fine to medium grained, loose, moist with shells. Saturated from 1.4-2.5m								
1												
2							130508-291-KW	Push Tube	◆			
						CLAYEY SILT: Clayey silt, dark brown, firm and wet						
						SILTY CLAY: Silty clay, dark brown, soft and moist						
			EOH at 2.8mBGL (targeted depth)									
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329883.398



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

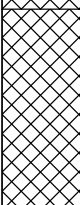
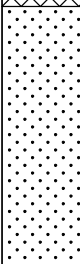
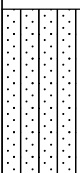
Northing: 6243214.269

Client: Boyd Cooks Cove

Elevation: 1.36

Location: Cooks Cove - Area A

Environmental Log: ABH275

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand, brown, fine grained, loose, moist with roots	130508-285-KW	Push Tube					
				FILL: Sand, pale brown, fine to medium grained, loose, dry to moist, shells with orange mottles and roots							
				FILL: Sand, yellow, fine to medium grained, moderately turbid, dense, large shells and moist	130508-288-KW	Push Tube					
1				SAND: Sand, pale grey, fine to medium grained, shells and moist	130508-287-KW	Push Tube					
					130508-286-KW	Push Tube					
					SILTY CLAY: Silty clay, dark grey, very soft and wet						
2			SILTY SAND: Silty clayey sand, dark grey, dense, moist, with shells at 2.7-2.8m								
3			EOH at 2.8mBGL (targeted depth)								
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329929.395



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

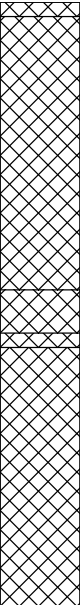
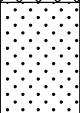
Northing: 6243205.442

Client: Boyd Cooks Cove

Elevation: 1.81

Location: Cooks Cove - Area A

Environmental Log: ABH276

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand, topsoil, dark brown, loose and dry with rootlets	130508-282-KW	Push Tube							
						FILL: Sand, brown, fine to medium grained, gravels and ash (black/grey/white), dry to moist and loose							
							FILL: Sand, pale grey, fine grained, moderately dense, moist with shells	130508-283-KW	Push Tube				
1							FILL: Sand, orange, fine grained, dense and moist	130508-284-KW	Push Tube				
							FILL: Sand, yellow, medium grained, moderately dense, moist and shells						
							SAND: Sand, pale grey, fine to medium grained and moderately dense						
2				SILTY SAND: Silty clayey sand, dark grey, soft and moist with organic odour									
3				EOH at 2.8mBGL (targeted depth)									
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329968.774

Project: ESA

Northing: 6243234.696

Client: Boyd Cooks Cove

Elevation: 0.96

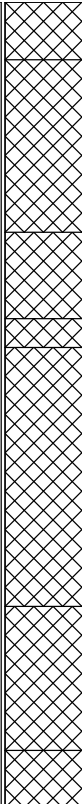


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH277**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							○	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown/black, fine grained, loose and moist with roots	130508-279-KW	Push Tube					
				FILL: Sand, yellow, fine to medium grained, loose and moist with shells and rootlets	130508-278-KW	Push Tube					
				FILL: Sand, yellow and pale grey with trace silt and large shells. Moist, medium grained and loose							
1				FILL: Sandy clayey silt, dark brown/black, strong H2S odour	130508-280-KW	Push Tube					
				FILL: Silty sand, dark grey, moist with rootlets, shells and strong H2S odour							
2				FILL: Silty clayey sand, fine grained, dark brown, soft and saturated with H2S odour	130508-281-KW	Push Tube					
				FILL: Silty clay, dark brown/grey, soft and moist with large shells and H2S odour							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 330013.553



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243235.996

Client: Boyd Cooks Cove

Elevation: 0.89

Location: Cooks Cove - Area A

Environmental Log: ABH278

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, soft, fine grained and moist	120508-276-KW	Push Tube						
				FILL: Sand, yellow grading to pale brown, fine to medium grained, moderately dense and moist								
				FILL: Silty sand with trace clay, dark grey. Mostly shells	120508-277-KW	Push Tube						
1				FILL: Silty sand, grey, fine to medium grained, moderately dense and moist with shells								
				FILL: Sand, pale grey, medium grained, moist to wet with large shells								
				FILL: Clayey silt, dark brown, soft and moist to wet								
				FILL: Sand, pale grey, medium grained, wet with shells								
2				FILL: Clayey silt, dark brown/black and wet								
				SILTY SAND: Silty sand with trace clay, dark grey, wet with slight H2S odour								
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329709.653



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243160.286

Client: Boyd Cooks Cove

Elevation: 2.58

Location: Cooks Cove - Area A

Environmental Log: ABH279

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over sandy topsoil, dark brown, loose, dry with roots	130508-319-KW	Push Tube					
				FILL: Sand, dark brown, fine grained, dry with gravels and clay							
1				FILL: Sand and silt layers, brown, grey with shells	130508-320-KW	Push Tube					
				SAND: Sand, pale grey, medium grained, wet, dense with trace silt and shells	130508-321-KW	Push Tube					
2											
											
				SAND: Sand, grey, medium grained and wet							
3				CLAYEY SILT: Clayey silt, dark grey, firm and moist. EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329745.044

Project: ESA

Northing: 6243167.894

Client: Boyd Cooks Cove

Elevation: 2.87

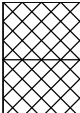
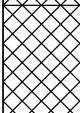
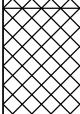
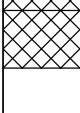
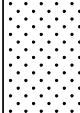
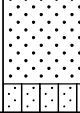


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH280**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							○	250	500	750		
0	Direct Push	▼		FILL: Grass over sandy topsoil, brown, fine to medium grained, dry and loose	130508-299-KW	Push Tube	▲					
				FILL: Sand, brown, fine to medium grained, dry to moist and loose				◆				
				FILL: Clay, brown/grey/orange mottles, gravels and very stiff	130508-300-KW	Push Tube						
1				FILL: Sand, pale grey, fine to medium grained, dry and loose with shells								
				FILL: Crushed sandstone, white/pink, dry and hard								
				UNKNOWN: Core loss								
2				SAND: Sand, pale grey, fine to medium grained, loose, moist with shells								
				SILTY SAND: Silty sand, grey, fine to medium grained, moist, shells, silt lenses with shells and H2S odour	130508-301-KW	Push Tube	◆					
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329789.418



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243190.974

Client: Boyd Cooks Cove

Elevation: 1.85

Location: Cooks Cove - Area A

Environmental Log: ABH281

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over unknown due to core loss	130508-302-KW	Push Tube						
					FILL: Sand, yellow, fine to medium grained, loose, moist with shells. Silt lenses at 0.9m							
1												
					FILL: Silty sand, fine to medium grained, loos and moist to wet. Grading through brown/grey/yellow and grey. Wet from 1.4m	130508-303-KW	Push Tube					
2					FILL: Silty clay, dark grey, soft and wet							
					FILL: Silty sand, dark grey, fine to medium grained, wet, moderately dense with shells and trace clay							
					FILL: Sandy clayey silt, black, moderately dense and wet							
					FILL: Silty clay, dark brown/grey, soft and moist							
3				FILL: Silty clayey sand, fine grained, dark brown, dense and moist. EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

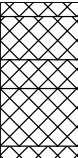
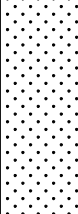
Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, moist with rootlets	130508-296-KW	Push Tube						
				FILL: Sand, pale brown, fine to medium grained, loose and moist with shells								
				FILL: Sand, yellow, fine to medium grained, loose and moist with shells								
1				FILL: Sand, dark grey, fine to medium grained, loose and moist with shells								
				FILL: Sand, pale grey, with dark brown, fine to coarse grained, moderately dense and moist with silt lenses, orange mottles and shells	130508-297-KW	Push Tube						
				SAND: Sand, pale grey, medium grained, moderately dense and wet at 1.5m								
2				SAND: Shell layer								
				SILTY SAND: Silty clayey sand, grey, moist and soft	130508-298-KW	Push Tube						
3				EOH at 2.8mBGL (targeted depth)								
4												

Project ID: CES050706-BCC

Easting: 329888.702



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243165.119

Client: Boyd Cooks Cove

Elevation: 1.59

Location: Cooks Cove - Area A

Environmental Log: ABH283

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
								0	250	500	750	
0	Direct Push			FILL: Grass over silty clayey sand topsoil, dark brown, firm, dry to moist with roots and charcoal	150508-381-KW	Push Tube						
				FILL: Sand, pale brown, fine grained, loose and dry to moist								
				FILL: Sand, pale yellow, grading to grey, fine to medium grained, loose and moist. Wet at 1.5m	150508-382-KW	Push Tube						
1												
				SAND: Sand, pale grey, medium grained, moderately dense and wet with shells	150508-383-KW	Push Tube						
2												
				SILTY CLAY: Silty clay, dark brown, firm and wet								
				SILTY SAND: Silty sand, grey, medium grained and wet								
3				SILTY CLAY: Silty clay, dark grey, firm and wet. EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329927.212

Project: ESA

Northing: 6243176.201

Client: Boyd Cooks Cove

Elevation: 1.76

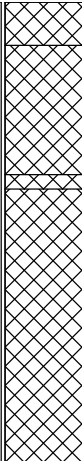
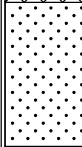
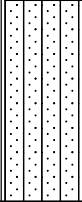


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH284**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty top soil, dark brown, firm, dry with roots	150508-384-KW	Push Tube						
				FILL: Sand, yellow, fine grained, loose and dry								
				FILL: Silty clay, dark brown, firm and dry								
				FILL: Sand, yellow, fine to medium grained, orange mottles, shells and wet from 1.4m								
1				SAND: Sand, grey, medium grained, moderately dense and wet	150508-387-KW	Push Tube						
2				SAND: Sand, grey, medium grained, moderately dense and wet	150508-386-KW	Push Tube						
				SILTY SAND: Silty clayey sand, dark brown, soft and wet with shells	150508-385-KW	Push Tube						
					150508-388-KW	Push Tube						
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329971.624

Project: ESA

Northing: 6243183.325

Client: Boyd Cooks Cove

Elevation: 1.74



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH285**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Bark over silty sand topsoil, dark brown, dry, loose with roots	150508-389-KW	Push Tube					
				FILL: Silty clay, dark brown, firm and dry							
				FILL: Sand, pale grey with orange mottles and shells, fine to medium grained, loose to dense and moist. Wet at 1.4m	150508-390-KW	Push Tube					
1											
2				SILTY SAND: Silty clayey sand, fien grained, dark brown and wet							
				SILTY SAND: Silty sand, dark grey with trace clay and wet							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 330001.417



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243192.728

Client: Boyd Cooks Cove

Elevation: 1.44

Location: Cooks Cove - Area A

Environmental Log:

ABH286

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass on silty sand topsoil with trace clay, dark brown, moist, roots and gravels	150508-391-KW	Push Tube							
						FILL: Sand, yellow, fine to medium grained, dry, loose, shells and orange mottles. Ash at 0.3m							
1						FILL: Sand, grey, fine to medium grained, moist, shells, loose with orange mottles and wet at 1.3m	150508-392-KW	Push Tube					
						FILL: Silty clayey sand, dark brown, wet and soft							
2						SILTY SAND: Silty sand, grey, fine to medium grained, moderately dense, wet with rootlets	150508-394-KW	Push Tube					
						SILTY SAND: Silty clayey sand, dark grey, soft, moist to wet with shells. EOH at 2.8mBGL (targeted depth)	150508-393-KW	Push Tube					
3													
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329802.345



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243164.287

Client: Boyd Cooks Cove

Elevation: 1.88

Location: Cooks Cove - Area A

Environmental Log: ABH287

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty topsoil, brown, fine grained, dry, loose with rootlets	150508-379-KW	Push Tube						
					FILL: Sand, pale grey, silt lenses and orange mottles, shells, fine to medium grained, moist at depth and wet from 1.3m	150508-378-KW	Push Tube					
1												
2				SILTY SAND: Silty sand, dark grey, firm, fine to medium grained, wet with shells and silt lenses	150508-380-KW	Push Tube						
				SILTY SAND: Silty clay, dark brown and moist								
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329838.139

Project: ESA

Northing: 6243142.892

Client: Boyd Cooks Cove

Elevation: 1.53



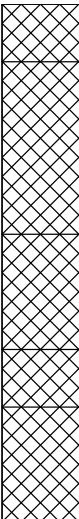
**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log:

ABH288

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, moist and rootlets	150508-373-KW	Push Tube							
						FILL: Sand, pale grey, fine to medium grained, loose and moist with shells							
						FILL: Silty clay, brown/grey mottled, firm and dry to moist	150508-374-KW	Push Tube					
1						FILL: Sand, pale grey with orange mottles, fine to medium grained, moist and dense with shells							
						FILL: Sand, orange, medium grained, wet and loose							
2						SILTY SAND: Silty sand, medium grained, wet with shells							
						SILTY CLAY: Silty clay, dark brown, soft and moist							
				EOH at 2.8mBGL (targeted depth)	150508-375-KW	Push Tube							
3													
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329888.068



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

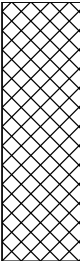
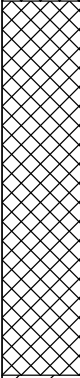
Northing: 6243145.122

Client: Boyd Cooks Cove

Elevation: 1.88

Location: Cooks Cove - Area A

Environmental Log: ABH289

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, moist with rootlets	150508-371-KW	Push Tube					
					150508-370-KW	Push Tube					
1					FILL: Sand, pale grey/orange mottles, fine to medium grained, moderately dense, moist with shells. Wet at 1.4m						
2											
			SANDY CLAY: Sandy silty clay, dark brown, firm and moist								
			SILTY SAND: Silty clayey sand, dark brown, firm and moist with shells and roots								
EOH at 2.8mBGL (targeted depth)											
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329924.715

Project: ESA

Northing: 6243131.849

Client: Boyd Cooks Cove

Elevation: 1.87



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH290**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand, topsoil, dark brown, firm with trace clay	150508-358-KW	Push Tube							
				FILL: Crushed sandstone, coarse grained, orange and dry									
				FILL: Silty sand, dark brown, fine grained and dry									
				FILL: Silty clay, dark brown, firm and dry									
1				FILL: Sand, pale, grey, fine to medium grained, dry and dense with shells and orange mottles									
				FILL: Silty clay, dark brown, firm and dry	150508-359-KW	Push Tube							
				FILL: Sand, pale grey, medium grained, orange mottles, moist with shells									
2				SAND: Sand, pale grey, fine to medium grained, dense and wet with shells									
				SILTY CLAY: Silty clay, dark brown, soft and moist									
					EOH at 2.8mBGL (targeted depth)								
3													
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329972.055



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243136.666

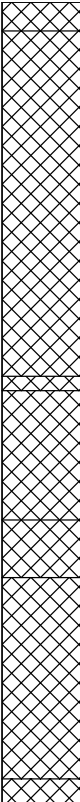
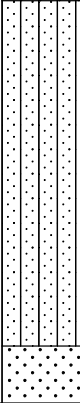
Client: Boyd Cooks Cove

Elevation: 2.52

Location: Cooks Cove - Area A

Environmental Log:

ABH291

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, firm and moist	150508-354-KW	Push Tube							
				FILL: Sand, pale brown, fine to medium grained, loose to dense, dry to moist with sandstone gravels	150508-353-KW	Push Tube							
					150508-352-KW	Push Tube							
1				FILL: Silty clayey sand, brown, soft and moist with shells									
				FILL: Sand, pale grey, fine to medium grained, moist and loose	150508-355-KW	Push Tube							
				FILL: Silt clay, dark brown, firm and moist									
2				FILL: Sand, pale grey, medium grained, dense and wet with shells									
				FILL: Ash waste, black/white, loose and wet									
				SILTY SAND: Silty clayey sand, dark grey, soft and wet	150508-356-KW	Push Tube							
3													
				SAND: Sand with trace clay, brown, fine grained and moist to wet	150508-357-KW	Push Tube							
				EOH at 4.2mBGL (targeted depth)									
5													

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 329795.443



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

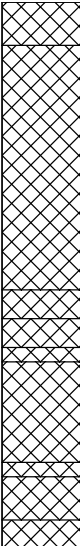
Northing: 6243093.234

Client: Boyd Cooks Cove

Elevation: 1.88

Location: Cooks Cove - Area A

Environmental Log: ABH292

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, brown, fine to medium grained, moist and loose.								
				FILL: Sand, yellow, fine to medium grained, moist and loose with ash gravels at 0.8-0.9m								
				FILL: Clayey silt, brown/orange mottles, dense and moist	130508-325-KW	Push Tube						
1				FILL: Silty sand, yellow, fine to medium grained, with shells and as gravels	130508-326-KW	Push Tube						
				FILL: Silty clay, grey/brown, dense and moist with orange mottles								
				FILL: Sand, pale grey, medium grained, moist and loose with shells. Saturated form 1.4-1.6m	130508-327-KW	Push Tube						
2				FILL: Silty sand, grey, dense and moist with shells								
				FILL: Clayey silt, grey dense and moist with shells								
				FILL: Clayey silt with trace sands, black, dense and moist with ash wast, glass and gravels. Refusal on sandstone fill at 1.9mBGL								
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329831.892



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243084.592

Client: Boyd Cooks Cove

Elevation: 1.91

Location: Cooks Cove - Area A

Environmental Log: ABH293

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over sand topsoil, dark brown and moist with rootlets							
				FILL: Crushed sandstone (white/brown), brown with silt, clay and ash at 0.4-0.5m	130508-328-KW	Push Tube					
				FILL: Silty clay, brown/orange, moist, firm with charcoal and gravels							
1				FILL: Crushed sandstone, orange, course grained and moist							
				FILL: Silty sand, brwon/grey with charcoal	130508-329-KW	Push Tube					
				FILL: Sand, pale grey, fine to medium grained with silt lenses and shells. Wet at 1.4m							
2				SILTY CLAY: Silty clay, dark grey, firm and moist with shells	130508-330-KW	Push Tube					
				SILT: Silt, black, fine grained and firm							
3			EOH at 2.8mBGL (targeted depth)								
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 13/05/2008

Drill Model: Mac200

Date Completed: 13/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329858.669



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

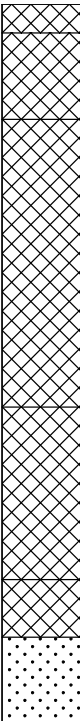
Northing: 6243120.087

Client: Boyd Cooks Cove

Elevation: 1.70

Location: Cooks Cove - Area A

Environmental Log: ABH294

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty sand, dark brown, moist and roots	150508-367-KW	Push Tube								
						FILL: Silty clayey sand, dark brown, gravels, firm and moist with shells								
						FILL: Silty clay, brown/grey, firm and dry with rootlets	150508-368-KW	Push Tube						
1						FILL: Sand, grey, silty, fine to medium grained with shells and wet from 1.4m								
						FILL: silty clay, dark grey, soft and wet	150508-369-KW	Push Tube						
2						SAND: Sand, grey, silty, medium grained and wet with shells								
				SILTY CLAY: Silty clay, dark grey, soft and wet										
3			EOH at 2.8mBGL (targeted depth)											
4														
5														

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, fine grained, dry and loose with roots	130508-324-KW								
				FILL: Sand, yellow, fine to medium grained, loose and dry with shells. Moist at 1.4m. Wet at 1.6m with silt lenses	130508-322-KW								
1													
							130508-323-KW						
2						FILL: Silty clay, dark grey, firm and moist							
						FILL: Sand, pale grey, medium grained, wet and dense							
						FILL: Silty clay, dark grey, firm and moist							
						SAND: Silty sand, dark grey, moist, dense with slight H2S odour							
3						EOH at 2.8mBGL (targeted depth)							
4													
5													

Project ID: CES050706-BCC

Easting: 329442.022

Project: ESA

Northing: 6243279.278

Client: Boyd Cooks Cove

Elevation: 1.42

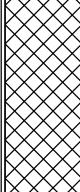
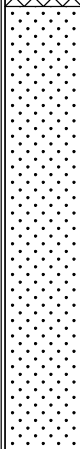


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH296**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty topsoil, dark brown, dense and moist with roots	120508-261-KW	Push Tube					
				FILL: Sand, pale brown, fine grained, loose and dry	120508-262-KW	Push Tube					
				FILL: Silty sand, dark brown, fine grained, dense and moist							
1				SAND: Sand, pale grey, fine to medium grained, loose to moderately dense, moist with trace silt lenses and roots							
2					120508-263-KW	Push Tube					
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329954.741

Project: ESA

Northing: 6243567.285

Client: Boyd Cooks Cove

Elevation: 1.82



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH297**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push ↕			ASPHALT: Bitumen	090508-166-KW	Push Tube	◆				
				FILL: Sand, dark brown, fine to medium grained, loose and dry with gravels and shell fragments	090508-164-KW						
				FILL: Sand, yellow, fine grained, loose, dry and odourless	090508-165-KW	Push Tube	◆				
1				FILL: Silty sand, dark grey, fine grained, loose, dry and odourless	090805-166-KW	Push Tube	◆				
				FILL: Silty sand, dark grey, fine grained, loose, dry and odourless	090508-181-KW	Push Tube	◆				
		▼		SANDSTONE: Sanstone, yellow/white/orange, course grained, moist and odourless. Refusal on sandstone bedrock at 1.3mBGL							
2											
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push ↑ ↓			ASPHALT: Bitumen	090508-167-KW	Push Tube					
			FILL: Sand, brown, fine to medium grained, loose and dry with gravels, shells and trace clay								
			FILL: Silty sand, dark brown, fine grained, dry, loose and odourless								
1					FILL: Sand, yellow, fine to medium grained, loose and dry.						
			EOH at 1.5mBGL (targeted depth)		090508-184-KW	Push Tube					
2											
3											
4											

Project ID: CES050706-BCC

Easting: 329956.887



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

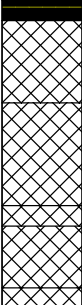
Northing: 6243568.981

Client: Boyd Cooks Cove

Elevation: 1.86

Location: Cooks Cove - Area A

Environmental Log: ABH299

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push ↑ ↓			ASPHALT: Bitumen	090508-168-KW	Hand Auger	◆				
				FILL: Sand, brown, fine to medium grained, loose, dry with gravels, shells and charcoal	090508-169-KW	Hand Auger	◆				
				FILL: Sand, grey/brown, fine grained, loose, dry to moist and odourless			◆				
1				FILL: Sand, yellow, fine grained, dense, dry and odourless	090508-170-KW	Hand Auger	◆				
					090508-182-KW	Push Tube					
				FILL: Silty sand, dark grey, fine grained, dry, loose and odourless	090508-183-KW	Push Tube					
2				FILL: Sandstone, yellow/orange, course grained and moist. Refusal on sandstone at 1.5mBGL							
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329957.565



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243566.232

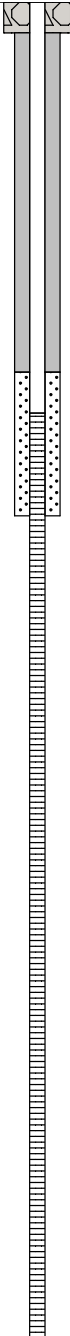
Client: Boyd Cooks Cove

Elevation: 2.16

Location: Cooks Cove - Area A

Environmental Log:

ABH2100

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Auger Solid Flight			ASPHALT: Bitumen	090508-171-KW	Hand Auger						
				FILL: Sand, brown, fine grained, loose, dry, gravesl, brick, blue metal, sheells and odourless	090508-172-KW	Hand Auger						
				FILL: Sand, grey, fine grained, dry and odourless								
1				FILL: Sand, yellow/grey, fine grained, dry, loose and odourless	090508-173-KW	Hand Auger						
				FILL: Silty sand, dark grey, fine grained, loose and dry	090508-180-KW	Push Tube						
					090508-179-KW	Push Tube						
2				SANDSTONE: Orange/yellow sandstone, fine grained and dry								
				SANDSTONE: Sandstone, white and moist								
												
3												
4												
5												
6												
EOH at 6.5mBGL (targeted depth)												
7												

Drill Company: Macquarie Drilling

Date Commenced: 21/05/2008

Drill Model: Mac200

Date Completed: 21/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329960.173



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243565.265

Client: Boyd Cooks Cove

Elevation: 2.16

Location: Cooks Cove - Area A

Environmental Log: ABH2101

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION				WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			ASPHALT: Bitumen	090508-174-KW	Hand Auger						
				FILL: Sand, brown, fine grained, loose, dry with gravels and blue metals		Hand Auger						
				FILL: Sand, grey, fine grained, loose dry and odourless	090508-175-KW	Hand Auger						
				FILL: Sand, yellow/brown, fine grained, loose, dry and odourless								
1				FILL: Silt sand, dark brown, fine grained, dry, loose and odourless	090508-176-KW	Hand Auger						
												
			SANDSTONE: Weathered sandstone, white/orange, moist and odourless	090508-177-KW	Push Tube							
				EOH at 1.7mBGL (refusal on sandstone bedrock)	090508-178-KW	Push Tube						
2												
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329960.984



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243570.536

Client: Boyd Cooks Cove

Elevation: 2.16

Location: Cooks Cove - Area A

Environmental Log:

ABH2102

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							○	250	500	750		
0	Direct Push			ASPHALT: Bitumen and blue metal	090508-185-KW	Push Tube						
				FILL: Crushed sandstone fill, pale brown/orange, coarse grained, sandstone gravels, loose and dry								
				FILL: Sand, grey/brown, loose and dry with black gravels								
						FILL: Crushed brick, red. hard and dry	090508-186-KW	Push Tube				
1				FILL: Sand, pale brown, fine grained, moderately dense dry								
				FILL: Silty sand, dark brown, fine grained, moderately dense and dry								
						FILL: Sand, yellow/pale brown, medium grained and dry to moist	090508-187-KW	Push Tube				
		FILL: Silty sand with trace clay, dark brown/grey. Wet at 1.6m										
2		FILL: Sand, pale grey with silt lenses and wet. Refusal on sandstone at 2.0mBGL										
3												
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 329920.146

Project: ESA

Northing: 6243581.574

Client: Boyd Cooks Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH2103**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			ASPHALT: Bitumen	090508-195-KW	Hand Auger					
				FILL: Sand, brown, fine grained, loose, dry to moist with gravels and shells. Terracota at 0.3m. Moist with orange mottles at 0.9m and gravels	090508-194-KW	Hand Auger					
				090508-196-KW	Hand Auger						
					Hand Auger						
1					FILL: Sand, grey with silt lenses, fine to medium grained, wet from 1.4m. Saturated from 1.4-2.8m	090508-197-KW	Hand Auger				
				090508-199-KW	Push Tube						
2				FILL: Silty clayey sand, brown, soft and saturated with several shells	090508-201-KW	Push Tube					
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329920.146

Project: ESA

Northing: 6243581.574

Client: Boyd Cooks Cove

Elevation: 1.89

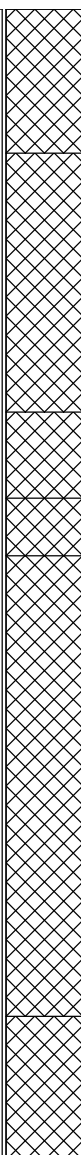


**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH2104**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							o	250	500	750	
0	Direct Push			FILL: Sand, brown, fine to medium grained, loose and moist with gravels	090508-198-KW	Hand Auger					
				FILL: Sand, yellow, fine grained and odourless. Grading to grey/yellow, fine to medium grained and wet	090508-334-KW	Hand Auger					
1											
				FILL: Sand, silty brown, fine grained, moist, dense and wet at 1.5m	090508-335-KW	Hand Auger					
				FILL: Sand, grey, medium grained, wet and dense							
2				FILL: Sailty clayey sand, grey/brown, dense and wet with shells							
					090508-349-KW	Push Tube					
3				FILL: Sand, pale grey, course grained, dense, wet and odourless	090508-350-KW	Push Tube					
4				EOH at 4.0mBGL (targeted depth)							
5											

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329905.057

Project: ESA

Northing: 6243586.237

Client: Boyd Cooks Cove

Elevation: 2.25



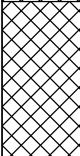
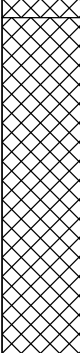
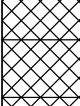
**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log:

ABH2106

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			ASPHALT: Bitumen	090508-204-KW	Push Tube						
				FILL: Silty brown topsoil, fine grained and moist								
				FILL: Sand, brown, loose, moist with shells and gravels								
1				FILL: Brick, yellow sandstone and moist	090508-205-KW	Push Tube						
				FILL: Sand, yellow, medium grained, moderately dense with shells and moist. Saturated at 2.0m								
2				FILL: Sand, grey, medium grained, moderately dense with shells and moist. Saturated at 2.0m								
				FILL: Silty clay, grey, soft and wet with H2S odour	090508-206-KW	Push Tube						
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 329919.941

Project: ESA

Northing: 6243590.875

Client: Boyd Cooks Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH2107**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			CONCRETE: Concrete							
				FILL: Silty sand topsoil, fine to medium grained, moist and odourless with gravels	150508-339-KW	Hand Auger					
				FILL: Sand, brown/grey, fine to medium grained, gravels and odourless	150508-340-KW	Hand Auger					
1				FILL: Rocks, sand, grey becoming brown, moist to wet with strong hydrocarbon odour and surface sheen.	150508-341-KW	Hand Auger					
					EOH at 1.6mBGL due to access restrictions	150508-342-KW	Hand Auger				
2											
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329921.010

Project: ESA

Northing: 6243586.932

Client: Boyd Cooks Cove

Elevation:



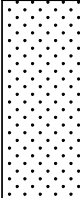
**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log:

ABH2108

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			CONCRETE: Concrete	150508-343-KW	Hand Auger						
					FILL: Sand, yellow, fine grained, most to dry. Rocks at 0.3m							
						FILL: Silty sand, dark brown, fine grained with trace clay, moist with slight HC odour	150508-344-KW	Hand Auger				
						FILL: Very strong Hydrocarbon odour						
1							150508-345-KW	Hand Auger				
2												
3					150508-347-KW	Push Tube						
4				SAND: Sand, pale grey, silty lenses, odourless and moist	150508-348-KW	Push Tube						
				EOH at 4.5mBGL (targeted depth)								
5												

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 50

Logged/checked by: K.Weir/L.Jenkins

Project ID: CES050706-BCC

Easting: 329956.998

Project: ESA

Northing: 6243565.240

Client: Boyd Cooks Cove

Elevation: 1.9



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove - Area A

Environmental Log: **ABH2110**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			ASPHALT: Bitumen							
				FILL: Sand, brown, fine grained, loose, dry, gravesl, brick, blue metal, sheells and odourless							
				FILL: Sand, grey, fine grained, dry and odourless							
1				FILL: Sand, yellow/grey, fine grained, dry, loose and odourless							
				FILL: Silty sand, dark grey, fine grained, loose and dry							
				SANDSTONE: Orange/yellow sandstone, fine grained and dry							
2				EOH at 2.0mBGL (targeted depth)							
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 21/05/2008

Drill Model: Mac200

Date Completed: 21/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329464.951



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243255.406

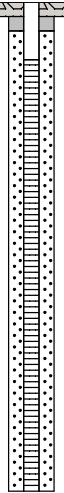
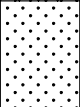
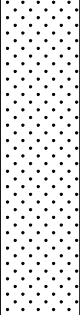
Client: Boyd Cooks Cove

Elevation: 1.09

Location: Cooks Cove - Area A

Environmental Log:

ALG201

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							○	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, moist, roots and fine grained							
				FILL: Sand, brown, fine to medium grained, moist, loose with roots and trace silt	120508-267-KW	Push Tube					
				FILL: Silty sand, brown, fine grained, dense and moist	120508-268-KW	Push Tube					
1				SAND: Sand, pale grey, fine to medium grained, moderately dense with silt lenses. Saturated from 1.5-2.6m. H2S odour at 2.0m	120508-269-KW	Push Tube					
2				SAND: Silty sand, brown, fine grained, dense and moist							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329556.712



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243218.788

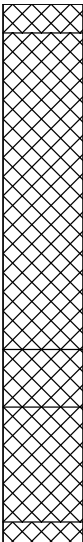
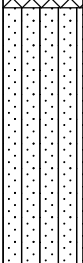
Client: Boyd Cooks Cove

Elevation: 1.68

Location: Cooks Cove - Area A

Environmental Log:

ALG202

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							○	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, fine grained with roots	120508-270-KW	Push Tube					
				FILL: Sand, pale brown, fine grained, dry and loose with sandstone fragments (white), minor coal fragments. Orange/red mottles							
1					FILL: Clay, red/brown/orange/grey mottles, coal fragments, pebbles and dry to moist	120508-272-KW	Push Tube				
				FILL: Silty sand, fine to medium grained, loose and wet . Saturated from 1.5-2.0m	120508-271-KW	Push Tube					
				FILL: Silty clay, brown, moist and soft							
2				SILTY SAND: Silty sand, pale grey, dense and moist with silt lenses							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329702.791



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243184.299

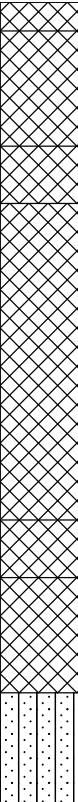
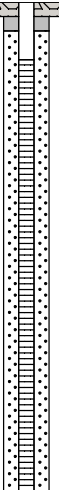
Client: Boyd Cooks Cove

Elevation: 1.98

Location: Cooks Cove - Area A

Environmental Log:

ALG203

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, fine grained, dry to moist	130508-317-KW	Push Tube								
						FILL: Silty sand, dark brown, fine grained, dense and dry to moist								
						FILL: Silty sand, yellow, fine grained, moist and loose								
						FILL: Sand, yellow, medium grained, loose, moist with shells and silt lenses, orange mottles and wet at 1.5m	130508-318-KW	Push Tube						
1														
2				FILL: Sand, grey, fine to medium grained, moderately dense, wet with shells										
				FILL: Silty clay, dark brown, moist and soft										
				SILTY SAND: Silty sand, dark brown/grey, moist and soft										
3				EOH at 2.8mBGL (targeted depth)										
4														
5														

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329801.119



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243134.358

Client: Boyd Cooks Cove

Elevation: 1.54

Location: Cooks Cove - Area A

Environmental Log: **ALG204**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Auger Solid Flight			FILL: Grass over silty clay topsoil, dark brown, moist with roots	150508-376-KW	Push Tube							
				FILL: Sand, yellow, fine to medium grained, loose, dry, shells. Wet at 1.4m									
1													
				FILL: Sand, grey, fine to medium grained, wet and dense	150508-377-KW	Push Tube							
				FILL: Silty clay, dark grey, firm to moist and wet									
2				FILL: Sand, grey, fine to medium grained, wet and dense									
				FILL: Silty clay, dark brown, firm and wet. Slight H2S odour									
				FILL: Siltyb sand, dark brown, dense and moist									
3				FILL: Silty clay, dark brown, firm and moist									
				FILL: Silt, dark grey, trace clay, firm, moist with shells. EOH at 2.8mBGL (targeted depth)									
4													
5													

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329892.571



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243104.247

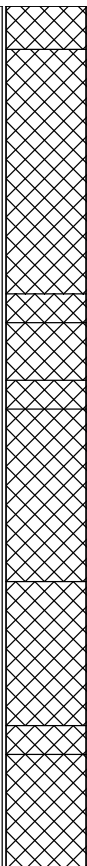
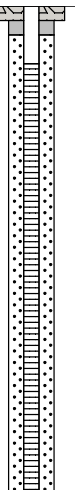
Client: Boyd Cooks Cove

Elevation: 2.49

Location: Cooks Cove - Area A

Environmental Log:

ALG205

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Auger Solid Flight			FILL: Grass on silty sand, dark brown, firm, dry to moist	150508-363-KW	Push Tube								
						FILL: Sand, yellow, fine to medium grained, loose, dry, grading to grey								
						FILL: Silty clay, lense, brown, dry with roots								
1						FILL: Sand, pale grey, fine to medium grained, moist, sandstone gravels with charcoal and ash	150508-364-KW	Push Tube						
						FILL: Silty clay, dark brown, soft and moist								
						FILL: SSand, pale brown, fine to medium grained, wet at 1.4m, shells and moderately dense								
2						FILL: Silty clay, dark brown/grey, soft and wet								
						FILL: Silt, black, fine grained, organics								
						FILL: Crushed sandstone, grey and white	150508-365-KW	Push Tube						
3						SILTY CLAY: Silty clay, shells, moist to wet with H2S odour								
					150508-366-KW	Push Tube								
4														
				EOH at 4.2mBGL (targeted depth)										
5														

Drill Company: Macquarie Drilling

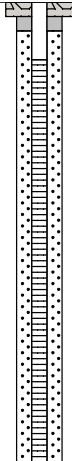
Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, dry with roots							
				FILL: Sand, yellow, fine grained, dense, moist, grading to pale grey with silt lenses							
1				FILL: Silty clay, dark brown, soft and moist							
				FILL: Sandy silty clay, dark brown, soft and wet at 1.4m. Becoming grey at 1.9m							
2				FILL: Silty clay, dark grey, firm and moist							
				SAND: Sand, pale grey, medium grained, dense, wet with shells							
				SILTY SAND: Silty sand with trace clay, dark brown/grey, soft and moist							
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Project ID: CES050706-BCC

Easting: 329456.755



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243292.819

Client: Boyd Cooks Cove

Elevation: 1.15

Location: Cooks Cove - Area A

Environmental Log: AMW201

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, moist with roots	120508-257-KW	Push Tube					
				FILL: Sand, pale brown, fine grained, moderately dense, moist with gravels							
				FILL: Silty clayey sand, brown, fine grained, moist and very dense							
				FILL: Sand, pale grey, fine to medium grained, loose and moist	120508-260-KW	Push Tube					
1				FILL: Silty sand, dark brown, fine grained, trace clay, dense and moist	120508-259-KW	Push Tube					
				SAND: Sand, pale grey, fine to medium grained, moist with silt lenses	120508-258-KW	Push Tube					
2											
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

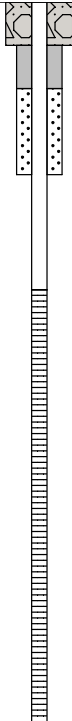
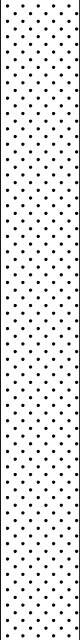
Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, fine grained, loose with roots	070508-65-KW	Push Tube					
				FILL: Silty sand, pale brown, fine grained, dense, moist with sandstone gravels, tiles and no odour	070508-66-KW	Push Tube					
				FILL: Silty clayey sand, brown/orange, moist, dense with no odour							
1				SAND: Sand, dark grey grading to pale grey with depth, fine to medium grained, moist and dense with trace silt. Saturated from 1.5-1.8m. H2S odour							
2											
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Project ID: CES050706-BCC

Easting: 329961.734



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243611.832

Client: Boyd Cooks Cove

Elevation: 1.97

Location: Cooks Cove - Area A

Environmental Log: **AMW203**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, loose and dry with rootlets								
				FILL: Sand, dark brown, fine grained, dry with crushed sandstone fill, coarse grained, yellow and dry	090508-188-KW	Push Tube						
				FILL: Ash ffill, black gravels with sand, dark grey, fine grained and dry	090508-189-KW	Push Tube						
				FILL: Sand, brown, trace clay, fine to medium grained, loose and dry								
				FILL: Ash waste, black and dry								
				FILL: Sand, pale brown/yellow, fine to medium grained, moist to wet at 1.4m. Shells and H2S odour								
1												
2				SAND: Sand, pale grey with trace silt and clay, wet with shells and H2S odour	090508-190-KW	Push Tube						
				SILTY CLAY: Silty clay, dark grey, soft, wet with H2S odour								
				SILTY SAND: Silty clayey sand, dark brown, fine to medium grained, soft and wet with shells								
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329812.026



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

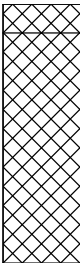
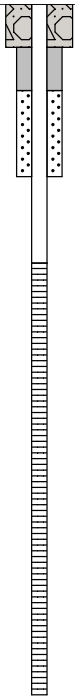
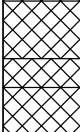
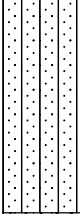
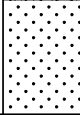
Northing: 6243339.925

Client: Boyd Cooks Cove

Elevation: 1.21

Location: Cooks Cove - Area A

Environmental Log: AMW204

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Auger Solid Flight			FILL: Grass over silty sand top soil, dark brown, fine grained, loose, dry to moist with roots	080508-118-KW	Push Tube						
				FILL: Sand, yellow, fine to medium grained, loose grading to dense with depth, dry to moist with depth and shells								
1					FILL: Silty clay, brown, soft and moist	080508-119-KW	Push Tube					
					FILL: Silty sand, dark grey/black, rootlets, fine grained and moist							
					FILL: Sand, pale grey, fine to medium grained, moderately dense, moist with silt lenses							
2				SILTY SAND: Silty clayey sand, brown/grey, wet from 1.4-2.4m								
				SAND: Sand, grey, fine to medium grained, dense and wet	080508-120-KW	Push Tube						
3				EOH at 2.8mBGL (targeted depth)								
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 09/05/2008

Drill Model: Mac200

Date Completed: 09/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329962.633



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243424.415

Client: Boyd Cooks Cove

Elevation: 0.78

Location: Cooks Cove - Area A

Environmental Log:

AMW205

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Auger Solid Flight			FILL: Grass over silty sand top soil, dark brown, firm, moist with rootlets	080508-155-KW	Push Tube					
				FILL: Sand, yellow, fine to medium grained, loose to moderate density and moist							
				FILL: Sand, pale grey, fine to medium grained, loose and moist	080508-156-KW	Push Tube					
				FILL: Silty clay, brown, firm and moist							
1				FILL: Silty sand, brown grading to grey, fine to medium grained, dense and moist							
				FILL: Silty clayey sand, saturated from 1.4 to 2.0m. Brown and stiff							
2				SAND: Sand, pale grey, fine grained, dense and wet with shells. Refusal at 2.2mBGL on sandstone	080508-157-KW	Push Tube					
				EOH at 2.2mBGL (refusal on sandstone bedrock)							
3											
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 08/05/2008

Drill Model: Mac200

Date Completed: 08/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 329965.424



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243103.057

Client: Boyd Cooks Cove

Elevation: 1.80

Location: Cooks Cove - Area A

Environmental Log: AMW206

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Auger Solid Flight			FILL: Grass over silty sand topsoil, dark brown, dry with roots	150508-361-KW	Push Tube						
			FILL: Sand, yellow, fine grained, dense, moist, grading to pale grey with silt lenses	150508-360-KW								
1					FILL: Silty clay, dark brown, soft and moist							
				FILL: Sandy silty clay, dark brown, soft and wet at 1.4m. Becoming grey at 1.9m	150508-362-KW	Push Tube						
2				FILL: Silty clay, dark grey, firm and moist								
				SAND: Sand, pale grey, medium grained, dense, wet with shells								
				SILTY SAND: Silty sand with trace clay, dark brown/grey, soft and moist								
3					EOH at 2.8mBGL (targeted depth)							
4												
5												

Drill Company: Macquarie Drilling

Date Commenced: 15/05/2008

Drill Model: Mac200

Date Completed: 15/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 330009.173



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: ESA

Northing: 6243281.985

Client: Boyd Cooks Cove

Elevation: 1.71

Location: Cooks Cove - Area A

Environmental Log: AMW207

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Auger Solid Flight			FILL: Silty sand top soil, brown, dry, loose with rootlets. Ash at 0.2m							
				FILL: Sand fill, fine to medium grained, alternating sand layers. Dark brown/grey/pale brown/grey. Slightly moist with minor ash throughout fill. Metal shavings at 0.6m	120508-218-KW	Push Tube					
					120508-219-KW	Push Tube					
1				FILL: Sandy clay to clayey sand, pale brown/orange to dark brown, moist and dense with ash gravels at 1.4-1.5m							
				FILL: Clayey sand, grey/brown, wet, fine to medium grained	120508-220-KW	Push Tube					
2				FILL: Silty clay, dark brown and wet, soft with H2S odour	120508-221-KW	Push Tube					
				FILL: Clayey sand, brown, wet, fine to medium grained, silt layers with H2S odour							
				FILL: Silty clay, dark grey, soft and wet with shells	120508-222-KW	Push Tube					
3				EOH at 2.8mBGL (targeted depth)							
4											
5											

Drill Company: Macquarie Drilling

Date Commenced: 12/05/2008

Drill Model: Mac200

Date Completed: 12/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243578.389



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329982.604

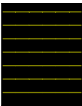
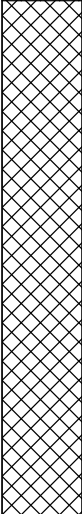
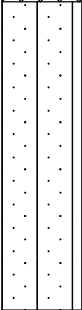
Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH401

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			ASPHALT: Bitumen surface							
			FILL: Sand, medium grained, white/brown, dry and odourless	280408-01-KW	Push Tube						
			FILL: Crushed red brick, hard, dry								
			FILL: Sand, white/pale brown, loose, possible thin peat with shells grading to dark brown/grey. Moist at 1.2m	280408-02-KW	Push Tube						
1				SANDY SILT: Sandy clay silt, dark grey, organics, some shells, dense and wet	280408-03-KW	Push Tube					

Drill Company: Macquarie Drilling

Date Commenced: 28/04/2008

Drill Model:

Date Completed: 28/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243477.126



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

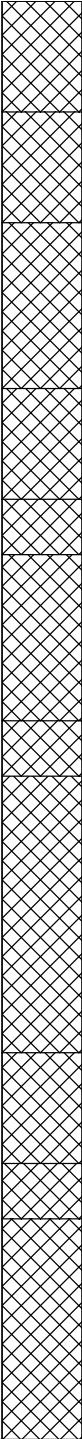
Northing: 330007.791

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH402**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over sandy clay topsoil, brown, roots, dry and loose	280408-05-KW	Push Tube					
				FILL: Clayey sand, orange/brown, ash, sandstone fragments (pink/white)							
				FILL: Gravelly sand fill, brown, loose, dry to moist, ash (black) with sandstone fragments	280408-06-KW	Push Tube					
				FILL: Sand, light to dark brown, moderately dense, fine to medium grained, coal/ash (small air bubbles) at 0.8-0.9m. Dry to moist							
				FILL: White crushed sandstone	280408-07-KW	Push Tube					
1				FILL: Sand, dark brown, organic/shell content. Very dense, fine grained with sandstone							
				FILL: Silty sand, trace clay, black/dark brown, shells with organic odour. Very dense, fine grained and moist	280408-08-KW	Push Tube					
				FILL: Fractured sandstone, white and dry							
				FILL: Sand, brown, loose, fine to medium grained with shells							
2				FILL: Silty clay, brown, moist and plastic							
				FILL: Sandy clay, black, dense, fine grained, moist and wet at 2.5m, shells and organic odour. Refusal on sandstone fill							

Drill Company: Macquarie Drilling

Date Commenced: 28/04/2008

Drill Model:

Date Completed: 28/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243347.165



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

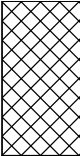
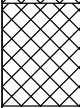
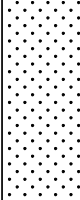
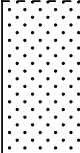
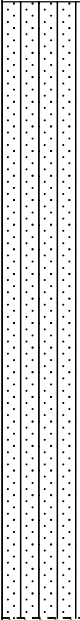
Northing: 330025.068

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH403**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty sand topsoil, brown with rootlets	280408-10-KW`	Push Tube								
					FILL: Sand, yellow/orange, trace clay, fine grained, dry to moist gravels, dense									
						FILL: Becoming dark brown, shells at 0.7m	280408-11-KW	Push Tube						
						SAND: Sand, light grey, moist to wet, fine to medium grained, loose								
1						SAND: Becoming dark grey, silty clay lenses, organic odour	280408-14-KW	Push Tube						
						SILTY SAND: Silty clay sand, dark grey, oganic odour and inclusions, wet at 2.3m	280408-13-KW	Push Tube						
						SAND: Sand, light grey, medium grained, loose and wet	280408-12-KW	Push Tube						
2														
												</		

Drill Company: Macquarie Drilling

Date Commenced: 28/04/2008

Drill Model:

Date Completed: 28/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243231.781



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 330048.383

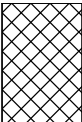
Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH404

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over sand, light grey, fine to medium grained, moist with shells, rootlets and gravels	280408-15-KW	Push Tube						
					FILL: Dark brown, silty clayey sand, fine grained and moist							
					FILL: Clay, light grey with red ironstone gravels							
					FILL: Dark brown, silty sand, fine grained, gravels, organic odour, moist and dense	280408-16-KW	Push Tube					
					FILL: Sandstone, white/orange, crushed							
					SAND: Sand, grey, fine grained, loose, dry to moist, organic black peat lense at 1.3m							
1					SAND: Becoming grey/orange fine to medium grained	280408-17-KW	Push Tube					
					CLAY: Clay, dark brown, moist to wet, plastic							
					SAND: Sand, grey, fine grained, moderately dense and moist							
					PEAT: Black peat silty lense with brown sand, medium grained, loose							
			End of borehole.									

Drill Company: Macquarie Drilling

Date Commenced: 28/04/2008

Drill Model:

Date Completed: 28/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243252.022



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329429.637

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH406**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil. Medium grained, light brown, moist, loose, some gravels	290408-46-KW	Push Tube					
				FILL: Silty sand, darker brown, moist, dense medium grained	290408-47-KW	Push Tube					
1				SAND: Sand, pale grey, medium grained, moist, moderately dense, brown peat lenses throughout, wet at 1.5m							
2											

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243213.42

Project: Cooks Cove

Northing: 329440.547

Client: Boyd Cook Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: **BBH407**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand top soil, fine grained, dark brown, moist with gravels	290408-43-KW	Push Tube					
				FILL: Clayey sand, fine to medium grained, light brown/orange with crushed white sandstone and ironstone gravels, moist and dense							
				FILL: Silty clayey sand, dark brown, fine to medium grained, very dense, minor gravels, bone, moist with organic odour							
1				SILTY SAND: Silty sand, dark grey, fine grained, very dense, moist to wet. Wet at 1.6m.							
				SILTY SAND: Silty sand, dark grey, fine grained, very dense, moist to wet. Wet at 1.6m.	290408-45-KW	Push Tube					
2											

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 6243199.687



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329560.807

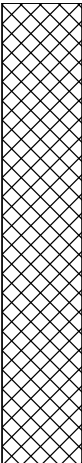
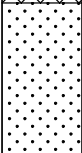
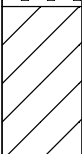
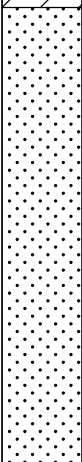
Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH410

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over sandy topsoil, brown/orange/yellow, fine grained with minor clay. Ash at 0.1m. Red ironstone gravels at 0.5m, black charcoal fragments throughout	280408-25-KW	Push Tube						
						FILL: Sand, dark brown, fine grained with glass, bone, moist and loose	280408-26-KW	Push Tube				
1						SAND: Grey, fine grained, moderately dense, moist, shells throughout						
						PEAT: Black decaying organic fibres						
						CLAY: Clay, black, wet at 1.6m, plastic, organic odour, roots, shells with bacterial sheen	280408-27-KW	Push Tube				
						SAND: Sand, fine to medium grained, grey with shells throughout , wet						
2												
							280408-28-KW	Push Tube				

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243134.049



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329478.399

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH411**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil, fine to medium grained, grey/brown, moist with rootlets						
				FILL: Clay, grey/red/orange, stiff and dry with trace sand, gravels, ironstone gravels, sandstone and shale fragments with ash at 0.8-0.9m	290408-36-KW	Push Tube				
						290408-37-KW	Push Tube			
1										
				SAND: Silty sand, dark brown/grey with sandstone gravels, loose and dry						
2				SILT: Silt, black to dark brown, loose, organic odour, moist						
				SILT: Sand, medium grained, grey, moist and dense	290408-38-KW	Push Tube				

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Sheet: 1 of 1

Project ID: CES050706-BCC

Easting: 6243132.138



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

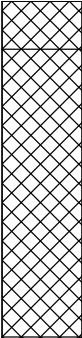
Northing: 329689.226

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH414**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, roots and moist	020508-169-KW	Push Tube							
				FILL: Sand, brown, trace clay, fine grained, moist with some gravels									
					020508-168-KW	Push Tube							
					020508-170-KW	Push Tube							
						FILL: Sand, yellow, fine to medium grained, loose, shells, moist, silt lenses, wet at 1.5m							
1													
								020508-171-KW	Push Tube				
2													
				SAND: Sand, grey, fine to medium grained, moderately dense, shells and moist									
				SILTY SAND: Silty sand, dark grey, fine grained, dense and moist									
				SILTY CLAY: Silty clay, dark grey soft and moist									
				SILT: Black silt, organic odour, fine grained moist									
				End of borehole.									
3													

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243127.487



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 330037.091

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH415

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil with trace clay and gravels, fine grained and moist	300408-78-KW	Push Tube							
						SILTY SAND: Silty sand, dark grey, medium grained, moderately dense, moist with organic odour	300408-79-KW	Push Tube					
1													
				SILTY SAND: Silty sand, dark grey, medium grained, moderately dense, wet with H2S odour at 2.6m									
2					300408-80-KW	Push Tube							

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243103.394



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329558.472

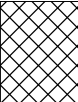
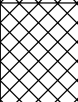
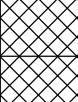
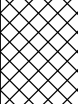
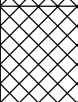
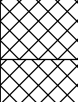
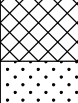
Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH417

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty clay topsoil, fine grained and odourless										
				FILL: Clayey silty sand, grey/brown with ash and glass fragments, moist and dense	290408-29-KW	Push Tube								
				FILL: Clayey sand, grey/orange, moist and dense										
				FILL: Becoming dark grey										
1				FILL: Black silt, fibrous root mass, organic odour, gravels (possible ash), moist to wet	290408-30-KW	Push Tube								
				SAND: Sand, grey, fine to medium grained, moist to wet										
				SILTY SAND: Silty sand, dark grey, moist to wet, moderately dense, organic odour. Shells and rootlets from 2.3m										
2							290408-31-KW	Push Tube						

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243065.891



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

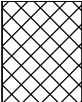
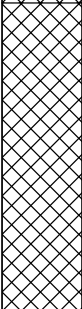
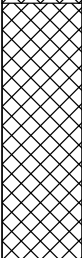
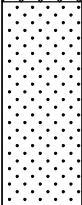
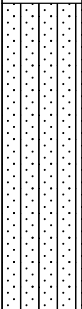
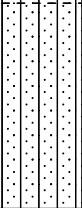
Northing: 329619.808

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH418**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, fine grained, moist, roots and loose	290408-66KW	Push Tube					
				FILL: Sand, pale grey, fine grained, moderately dense, moist with shells							
				FILL: Clayey silt, dark brown, soft, dense. Layered grey/orange silt from 0.8 to 0.9m	290408-67-KW	Push Tube					
1				FILL: Silty sand, dark brown, fine grained, dense and moist							
				SAND: Sand, pale grey, wet, medium grained and dense	290408-68-KW	Push Tube					
				SILTY SAND: Silty sand, dark brown, fine grained, dense with trace clay							
2				SILTY SAND: Silty sand, grey, fine grained, dense, wet with shells							

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243081.721



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329679.285

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH419**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	0	FID/PID (ppm) 250	500	750			
0	Direct Push			FILL: Grass oversilty sand topsoil, brown, loose, fine grained, rootlets and moist									
				FILL: Sand, brown/grey, fine to medium grained, loose, moist with gravels coal and sandstone	290408-62-KW	Push Tube							
				FILL: Silt, dark brown, moist with gravels									
				FILL: Clay, grey/orange, moist, stiff with gravels	290408-63-KW	Push Tube							
				FILL: Silty sand, black, fine grained, moderately dense, moist with gravels									
				FILL: Sand, pale grey, fine grained with trace clay, moist to wet with shells at 1.5m									
1													
						FILL: Sandy silt, brown/grey and wet							
						FILL: Silty clay, dark brown, soft, wet and dense							
2						FILL: Fibrous black mass, silt, ash, rock, glass and wet	290408-64-KW	Push Tube					
						FILL: Clayey silt, dark brown, soft, wet and dense							
						SAND: Sand, grey with silt, shells, moist to wet and dense	290408-65-KW	Push Tube					

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243090.111



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

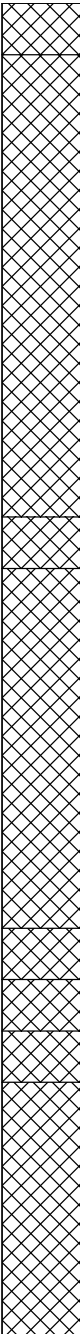
Northing: 329732.258

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH420**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Auger Solid Flight			FILL: Grass over silty sand top soil, dark brown, fine grained, loose, moist with roots	020508-165-KW	Push Tube							
				FILL: Sand, yellow, fine grained to medium grained. Moderately dense, moist with shells									
					020508-166-KW	Push Tube							
1				FILL: Silty clay, dark brown. Fine grained sand, dense, moist with organic odour									
				FILL: Sand. Pale grey, fine to medium grained, moist to wet, moderately dense with silt lenses. Wet at 1.6m									
				FILL: Silty sand, minor clay, dark grey, fine grained, moist to wet									
				FILL: Silty clay. Dark brown, fine grained, soft, moist to wet									
2				FILL: Silt. Black, sandy and moist									
	FILL: Crushed sandstone, orange/white, clay content, moist (wet at 2.4m) and odourless												
		020508-167-KW	Push Tube										
	SILTY SAND: NOTE: End depth was null so start depth was used instead. Dark brown, clay content with organic odour.												

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243083.702

Project: Cooks Cove

Northing: 329934.986

Client: Boyd Cook Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: **BBH421**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over sandy topsoil, brown, fine grained, loose, dry with rootlets	300408-105-KW	Push Tube						
				FILL: Sand, pale grey, fine to medium grained, loose, dry with rootlets. Silty clay lenses at 0.3m, shells, moist and dense at 0.6m								
					300408-104-KW	Push Tube						
1					FILL: Silty clay, dark brown, fine grained and dense							
					FILL: Sand, pale grey, medium grained, moderately dense, shells and wet at 1.4m							
2					SILTY CLAY: Silty clay, dark brown/grey, fine grained, soft, wet with H2S odour							
				SILTY SAND: Silty sand, trace clay, dark grey, fine grained, moist with H2S odour								
				SILTY CLAY: Silty clay, dark grey, soft, moist to wet								
				SAND: Sand, pale grey, medium grained, dense, wet with shells								
				SILTY CLAY: Silty clay, dark grey, soft, moist to wet with trace sand								

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243065.802



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329981.096

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH422**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil, brown, moist with rootlets						
				FILL: Sand, yellow, fine to medium grained, moderately dense with gravels from 0.2-0.4m	300408-112-KW	Push Tube				
				FILL: Sand, pale grey, fine to medium grained, moderately dense, moist and shells						
1				FILL: Silty clay, dark grey, soft and moist to wet						
				SAND: Sand, pale grey, fine to medium grained, moderately dense and moist						
2				SILTY CLAY: Silty clay, dark brown, soft and wet (saturated at 2.0-2.2m) and organic odour	300408-113-KW	Push Tube				
				SILTY SAND: Silty sand, fine to medium grained, brown with organic odour						

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243077.14

Project: Cooks Cove

Northing: 330027.905

Client: Boyd Cook Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: **BBH423**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, brown, fine grained, loose and moist	300408-81-KW	Push Tube							
				FILL: Weathered sandstone, orange/white, medium to coarse grained, moderately dense and moist									
					FILL: Sand, grey to dark grey, medium grained, moderately dense, moist, gravels and ash at 0.7-0.8m	300408-82-KW	Push Tube						
			FILL: Sand, pale grey, silt layers, moist to wet at 1.3m										
1				FILL: Silty sand, dark grey, fine to medium grained, dense, wet with H2S odour. Shells at 2.2m	300408-83-KW	Push Tube							
				SAND: Sand, pale grey, trace silts, medium grained, dense, moist and odourless									
2													

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243029.629



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329677.034

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH426**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil, brown, medium grained, loose, dry to moist	290408-69-KW	Push Tube				
				FILL: Sand, yellow grading to pale grey with depth, dense and dry to moist						
					290408-70-KW	Push Tube				
1				FILL: Clayey silt, dark brown, soft. Wet at 1.5m						
				FILL: Silt, dark brown, soft with glass, gravel and roots	290408-71-KW	Push Tube				
2				FILL: Silty sand with trace clay, dark grey, wet and dense						
				SAND: Sand, pale grey, medium grained, dense, wet with shells						

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243015.816



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329761.281

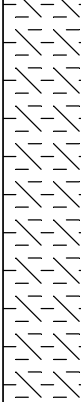
Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH427

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, loose and moist	290408-59-KW	Push Tube					
				FILL: Clayey sand, brown/orange with concrete rubble, gravels and shells. Some stiffer brown clay							
				FILL: Sand, yellow, medium grained							
1					290408-60-KW	Push Tube					
				FILL: Orange sand lenses							
					290408-61-KW	Push Tube					
2				CLAYEY SILT: Clayey silt, dark brown, stiff dense with shells							

Drill Company: Macquarie Drilling

Date Commenced: 29/04/2008

Drill Model:

Date Completed: 29/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243055.224



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

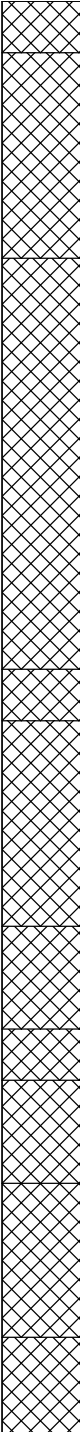
Northing: 329789.882

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH428**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty sand topsoil, brown, loose, dry, fine grained with roots	010508-162-KW	Push Tube								
						FILL: Silty sand, brown, fine grained moist with gravels and roots								
						FILL: Sand, yellow/pale grey with orange mottles, shells and peat sections throughout	010508-163-KW	Push Tube						
1							FILL: Silty clay, dark grey, moist and soft							
							FILL: Sand, grey, fine grained to medium grained, loose, wet with shells and peat layers							
							FILL: Silty clay, dark grey, wet with organic odour							
2							FILL: Sand, silt lenses, grey/orange, moist to wet and dense							
							FILL: Silty clay, dark grey, moist and soft							
							FILL: Silty sand, moist with gravels, glass and organic odour	010508-164-KW	Push Tube					
				FILL: Silt clay, dark brown/black, soft with organic odour										

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243040.823



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329870.154

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH429**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, roots and gravels	010508-152-KW	Push Tube								
						FILL: Crushed sandstone (white)								
						FILL: Clayey sand, dark brown, moist, dense with gravels, silt lenses. Ash at 0.5m								
						FILL: Clay, dark grey/brown mottles, moist, stiff, roots and sand at 1.3m	010508-153-KW	Push Tube						
1														
			FILL: Sand, grey, wet, fine grained with silt lenses											
			FILL: Silty clay, dark grey, soft and wet with H2S odour											
2														
				FILL: Sandy silt, black, roots, glass, plastic, moist to wet with gravels and H2S odour	010508-155-KW	Push Tube								
				FILL: Sand with trace silts, grey, fine grained to moist, moderately dense, moist										
				FILL: Silty clay, dark brown, soft with H2S odour										
				End of borehole.										
3														

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243044.653



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329936.013

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH430**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, moist, rootlets and minor sand	300408-106-KW	Push Tube					
		FILL: Sand, pale grey, fine to medium grained, moderately dense, moist with shells throughout									
		FILL: Silty peat layer at 0.6m (dark brown)									
		FILL: Orange/brown/grey mottles									
1		FILL: Silty clay, dark brown, soft and moist									
		FILL: Sand, pale grey, fine to medium grained, wet with shells. Grading to silty clay at 1.6m									
		FILL: Silty clay, dark brown, stiff however soft due to moisture and organics									
2											
		FILL: Silt, black with gravels and organic odour		300408-107-KW	Push Tube						
		FILL: Silty clay, dark brown, soft and moist									
						FILL: Sand, grey, fine to medium grained, moist and dense					

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243011.033



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

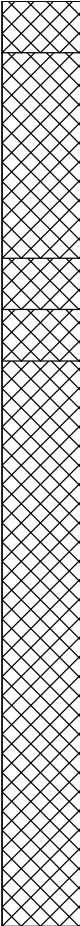
Northing: 329810.103

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH431**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0											
	↑			FILL: Grass over silty sand topsoil, brown, rootlets, fine grained, loose and moist	300408-84-KW	Push Tube					
				FILL: Sand, medium grained, loose, dark grey grading to pale grey							
				FILL: Silty sand, dark grey, fine to medium grained, moist, loose with ash and gravels	300408-85-KW	Push Tube					
				FILL: Crushed sandstone, orange/white, course grained, moderately dense and moist							
				FILL: Silty sand, pale to dark grey (lenses), moist, soft, organic odour and wet at 1.5m							
1											
	↓			CLAYEY SAND: Clayey silty sand, grey, medium grained, dense, soft with organic odour. Shells at 2.1-2.2m. Grading to silty clay with trace sands at 2.5m	300408-86-KW	Push Tube					

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243019.116



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329848.468

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH433**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL			
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, fine grained, moist with roots	010508-157-KW	Push Tube								
						FILL: Sandy silt clay, brown with gravels, ceramic pieces, charcoal, moist and dense	010508-156-KW	Push Tube						
						FILL: Silty clay, brown, moist and hard								
						FILL: Sand (grey) lense at 0.75m								
1						FILL: Silty clay becoming soft and moist								
						FILL: Silty sand, grey, fine grained and wet								
						FILL: Silty clay, dark grey, soft, moist to wet with organic odour								
2						FILL: Silt, black, moist with glass, gravels and sand	010508-159-KW	Push Tube						
						FILL: Silty sand, grey, fine to medium grained, moderately dense and moist								
						FILL: Silty clay, dark brown, moist with H2S odour								

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243005.174



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329919.656

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH434**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over sandy topsoil, dark brown, loose, dry to moist, rootlets with trace clays	300408-108-KW	Push Tube						
				FILL: Sand, yellow, fine to medium grained, concrete rubble and gravels at 0.4m. Ironstone gravels at 0.8m								
					300408-109-KW	Push Tube						
1					FILL: Sand, grey, fine to medium grained, moderately dense, moist with shells							
					FILL: Sand yellow, fine to medium grained, dense, wet with shells throughout							
					FILL: Sand, grey, fine to medium grained, dense, wet grading to moist at 1.9m, Increasing clay content with depth							
2				FILL: Clayey sand, grey, fine to medium grained and moist								
				FILL: Silty clay, dark brown/grey, moist, soft grading to stiff with depth								

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243031.649



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329978.796

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH435

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil with trace clay, brown, moderately dense, dry to moist with rootlets	300408-110-KW	Push Tube				
				FILL: Clayey silt sand, grey/brown, fine grained, dense, dry to moist						
				FILL: Sand, yellow grading to grey at 1.0m, fine to medium grained, moderately dense, moist to wet at 1.4m						
1					300408-111-KW	Push Tube				
2				FILL: Silty clay, dark brown/grey, stiff grading to soft with depth, moist to wet						
				FILL: Silty sand, dark brown/grey, fine grained, moist to wet						

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242995.182

Project: Cooks Cove

Northing: 330012.116

Client: Boyd Cook Cove

Elevation:



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Location: Cooks Cove

Environmental Log: **BBH436**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0										
	Direct Push			FILL: Grass over silty sand topsoil, fine grained, loose, moist with rootlets	300408-87-KW	Push Tube				
				FILL: Sand, pale grey, fine to medium grained, loose, moist with black gravels						
				FILL: Crushed sandstone fill, white, coarse grained and slightly dense						
				FILL: Sand with trace silt and clay at 1.1m, brown/grey/orange, medium grained, dense, moist	300408-88-KW	Push Tube				
1				SAND: Sand, pale grey, medium grained, dense, wet at 1.6m						
2				SANDY CLAY: Sandy silty clay, dark grey, fine grained, moist with organic odour						

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242976.331



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

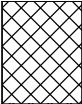
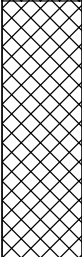
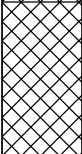
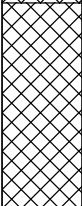
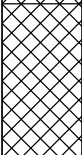
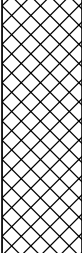
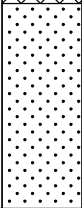
Northing: 329674.761

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH438**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, brown, dry loose with rootlets								
				FILL: Silty sand with trace clay, brown, dry to moist, dense with rootlets	290408-72-KW	Push Tube						
				FILL: Sand, yellow, fine grained, dense, moist with shells								
1				FILL: Clayey silt, dark brown with brown clay lenses, shells, organics and moist								
				FILL: Sand, yellow/pale grey, medium grained, dense, wet with shells								
				FILL: Clayey silt, dark brown, soft and wet								
				FILL: Silty clay, wet with ash and glass								
2				FILL: Clayey silt, dark brown, soft, dense and wet	290408-73-KW	Push Tube						
				SAND: Sand, grey, moist to wet, dense with shells								

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242962.433



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329755.357

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH439**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil with trace clay, brown, fine grained, dry with roots	010508-133-KW	Push Tube						
				FILL: Sandy clay, brown sand with orange clay, black gravels, glass, dry and odourless	010508-134-KW	Push Tube						
				FILL: Silty sand, dark brown/orange with black gravels								
				FILL: Sand, yellow, fine to medium grained, loose, dry to moist. Shells at 1.0m with orange sand								
1												
2				FILL: Silty clay sand, grey, moist, dense and odourless								
				FILL: Silty clay, dark grey, soft and wet								
				FILL: Silty clay sand, dark grey, dense and moist to wet	010508-135-KW	Push Tube						
				FILL: Sand, grey, moist, fine to medium grained								
				SILTY CLAY: Silty clay, dark grey, moist and soft								

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242967.601



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329806.411

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH440**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, moist fine grained, loose with roots						
				FILL: Sand, yellow/pale grey with orange mottles throughout, shells throughout, moist and moderately dense	010508-148-KW	Push Tube				
1					FILL: Sand, grey with silty clay lenses (dark grey), very moist and dense with shells throughout	010508-149-KW	Push Tube			
2					FILL: Silty clay, dark grey/black, moist, soft with silt layer at 2.3-2.4m					

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242971.259



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329862.301

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH441**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, fine grained, dark brown, loose, dry with roots	010508-150-KW	Push Tube						
				FILL: Sand, yellow, fine grained, dry and loose								
				FILL: Silty sand, brown, dry with shells								
				FILL: Sand, pale grey, fine to medium grained, slightly dense, moist to wet with shells throughout								
1												
						010508-151-KW	Push Tube					
2					FILL: Sand, grey with silt lenses, fine to medium grained, dense and wet							
					FILL: Silty clay, dark grey, soft and wet							

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243065.802



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329981.096

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH442

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty clay topsoil with trace sand, dark brown, fine grained, moist with rootlets	300408-102-KW	Push Tube				
				FILL: Sand, brown/grey, fine to medium grained, loose, moist with shells	300408-101-KW	Push Tube				
1				FILL: Sand, pale grey, medium grained, moist, broken shells. Rock/gravels at 1.3m	300408-103-KW	Push Tube				
2					SILTY CLAY: Silty clay, dark brown, organic odour, moist and soft					

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242955.64



Project: Cooks Cove

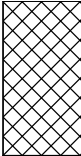
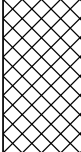
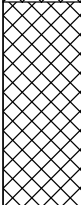
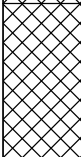
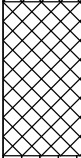
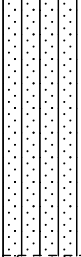
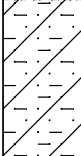
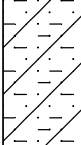
Northing: 330006.678

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH443**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, fine grained, loose to firm, dry to moist with rootlets								
				FILL: Sand, trace clay, grey, fine grained, dense, moist to dry, gravels								
				FILL: Crushed sandstone, orange/white, coarse grained, dense, moist to dry with rock/gravels							300408-90-KW	Push Tube
				FILL: Sand, dark grey, fine to medium grained, dense, trace clay, moist, grading to light grey with orange sand at 1.1m							300408-89-KW	Push Tube
				FILL: Silty clay, dark grey, minor medium grained sand, very dense with no odour								
				FILL: Sand, grey/orange, medium grained, moderately dense, wet at 1.5m								
				SILTY SAND: Silty sand, dark grey, fine grained, dense and moist to wet								
1						SILTY CLAY: Silty clay, dark grey, fine grained, dense and moist	300408-91-KW	Push Tube				
												
2												

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting:

Project: Cooks Cove

Northing:

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH445



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, loose, dry with roots	010508-138-KW	Push Tube						
					FILL: Sand, yellow, fine to medium grained, loose, dry. Brown silty lense at 1.2m	010508-137-KW	Push Tube					
						010508-136-KW	Push Tube					
1												
						FILL: Silty sand, grey, fine to medium grained, moist and dense						
						FILL: Silty clay, dark brown, soft and wet	010508-139-KW	Push Tube				
2						SAND: Sand with trace silt, grey, fine to medium grained, moderately dense, shells throughout						
						SILTY CLAY: Silty clay, dark grey, wet and soft with H2S odour						
						SILTY SAND: Silty sand, fine to medium grained, wet with shells and dense						
						SILTY CLAY: Silty clay, dark grey, moist and soft						
3				SILTY SAND: Silty sand, grey, fine to medium grained, moist with H2S odour								
				SILTY CLAY: Silty clay, dark grey, soft wet with H2S odour								
				SILT: Silt, black, moist to dry, fine grained with H2S odour								
4												

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242919.264



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

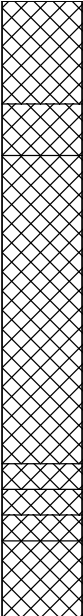
Northing: 329830.177

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH446**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty clay topsoil, dark brown, moist with roots and gravels	010508-146-KW	Push Tube							
						FILL: Sand, yellow, fine to medium grained layers, moist and loose							
						FILL: Silty clay, dark grey/brown mottles, moist and rootlets	010508-147-KW	Push Tube					
							FILL: Sand, yellow, fine grained, loose and moist						
1							FILL: Silty clay, dark grey, moist and soft						
							FILL: Sand, white/pale grey, fine to medium grained, loose, moist to dry						
							FILL: Silty clay, dark grey, wet, soft with organic odour						
							SILTY SAND: Silty sand, grey, moist and dense						
							SILTY SAND: Silty sand, grey, moist to wet at 1.4m, dense with shells throughout						
2							SILTY CLAY: Silty clay, dark grey, wet, soft, H2S odour and shells at 2.7m						

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242925.015



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

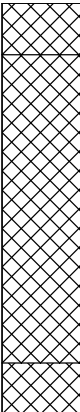
Northing: 329881.732

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH447**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, brown, fine grained, loose, dry and roots	010508-144-KW	Push Tube							
						FILL: Sand, yellow, fine to medium grained, loose, dry, becoming moist at 0.5m							
						FILL: Silty sand, dark brown, fine grained, rootlets, moderately dense and moist	010508-145-KW	Push Tube					
						FILL: Sand, pale grey, medium grained, moist, moderately dense, shells and gravels, brown silty clay lenses at 1.4m, moist to wet from 1.4m							
1													

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242916.076



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

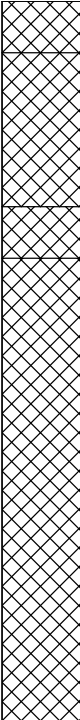
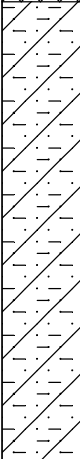
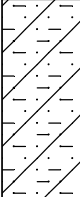
Northing: 329928.224

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH448**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty clay topsoil, brown, stiff, moist with rootlets	300408-98-KW	Push Tube						
				FILL: Sand, pale grey, fine to medium grained, loose to dense, moist. Shells at 0.3m								
				FILL: Silty clay, dark brown, shells, soft with organic odour	300408-99-KW	Push Tube						
				FILL: Sand, fine to medium grained, pale grey, and wet								
1							300408-100-KW	Push Tube				
						SILTY CLAY: Silty clay, soft, wet, brown with organic odour. Stiffer from 2.0m						
2						SILTY SAND: Silty sand, grey, fine grained, dense, moist with organic odour						
						SILTY CLAY: Silty clay, brown, stiff, moist with organic odour. Becoming stiffer with depth						

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242777.469



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

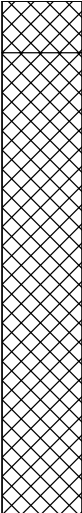
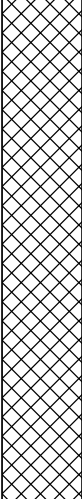
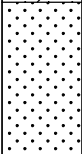
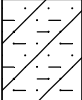
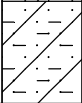
Northing: 329955.331

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH450**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, brown, dry, loose with roots									
				FILL: Sand, yellow, fine to medium grained, loose, dry to moist (increasing with depth), minor charcoal/coal fragments, from 0.1-0.8m. Crushed white sandstone at 0.8m	010508-140-KW	Push Tube							
1						FILL: Sand, yellow/pale grey, loose, moist to wet and shells throughout							
2				SILTY CLAY: Silty clay, dark grey, soft and wet									
				SAND: Sand, dark grey, fine to medium grained, wet and dense with shells at silt lenses									
				SILTY CLAY: Silty clay, dark grey, moist and soft									
				SILTY CLAY: Sand with silt lenses, dark grey, fine to medium grained and moist									

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242875.203



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329862.954

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log:

BBH451

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0										
Direct Push				FILL: Sand, yellow, fine to medium grained, moist and loose	010508-A1-KW	Grab				
				FILL: Silty clay, brown, moist and soft with roots	010508-142-KW	Push Tube				
					010508-143-KW	Push Tube				
				FILL: Sand, pale grey with orange lenses						
				FILL: Silty clay, dark brown, soft and wet						
				SAND: Sand, grey fine to medium grained, dense with shells, silt lenses and H2S odour						
				SILTY CLAY: Silty clay, dark grey, wet, soft with H2S odour						
				SILTY SAND: Silty sand, grey, fine to medium grained, wet and dense with H2S odour						
			CLAYEY SAND: Clayey silty sand, grey, soft and wet with H2S odour							
			SILTY SAND: Silty sand, grey, wet and dense with shells							
			SILTY CLAY: Silty clay with trace sand, wet with shells and H2S odour							

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242877.696



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

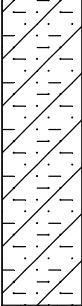
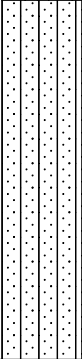
Northing: 329916.604

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH452**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, loose, moist with rootlets and trace clays	300408-96-KW	Push Tube						
				FILL: Sandy clay, dark brown, fine grained, dense/stiff and moist								
					FILL: Sand, pale grey, fine to medium grained, loose and dense, moist with shells at 0.7-0.8m	300408-97-KW	Push Tube					
					FILL: Silty clay, brown/dark grey mottles, stiff and moist							
1					FILL: Silty clay, dark brown, stiff, moist with organic odour. Soft layer at 1.4m							
					FILL: Sand, aple grey, wet, fine to medium grained, loose with shells							
					SILTY CLAY: Silty clay, dark brown, soft and wet							
2					SILTY SAND: Silty sand with trace clay, dark grey, wet and soft with shells. Increasing clay content from 2.4m							

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242882.563



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

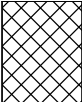
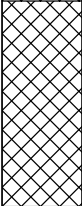
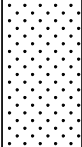
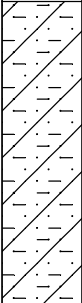
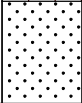
Northing: 329994.194

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH453**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil with trace clay, brown, dense, fine grained and moist with rootlets									
			FILL: Crushed sandstone, orange/white, coarse grained and dry	300408-92-KW	Push Tube								
			FILL: Sand, brown, fine to medium grained, loose and dry										
			FILL: Clayey sand, brown, fine grained, dense and moist	300408-93-KW	Push Tube								
1						FILL: Silty clay with trace sand, dark brown, fine grained, soft and dense, moist with slight organic odour							
						SAND: Sand, grey, medium grained, dense and wet							
						SILTY CLAY: Silty sandy clay, dark grey, fine grained, moist, soft and dense							
2						SILT: Silt, black, moist with H2S odour							
						SAND: Sand with trace silt and clay, pale grey, medium grained, dense and moist							

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242816.885



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

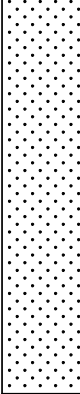
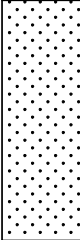
Northing: 329876.016

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH455**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Direct Push			FILL: Grass over silty sand topsoil, fine grained, dry to moist with rootlets	010508-120-KW	Push Tube							
				FILL: Sand, light brown, fine to medium grained, loose, dry to moist									
				FILL: Silty sand, dark brown, fine grained, loose and dry to moist									
						FILL: Sand, yellow/pale grey, fine grained, loose, dry to moist	010508-121-KW	Push Tube					
						FILL: Silty clay, dark brown and dry							
						FILL: Sand, yellow, fine to medium grained, dense and moist							
1						SAND: Sand, pale grey, medium grained, dense, moist with shells							
2						SAND: Sand, dark grey, medium grained, dense, moist to wet with shells throughout							
						SILTY CLAY: Silty clay, dark grey, moist to wet with organic odour							
						SILTY SAND: Silty sand, dark grey, medium grained and moist							
						SILT: Silt, black, moist with organic odour							
						End of borehole.							
3													

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting:

Project: Cooks Cove

Northing:

Client: Boyd Cook Cove

Elevation:

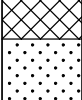
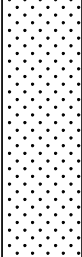
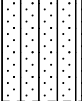
Location: Cooks Cove



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Environmental Log: **BBH456**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL				
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)							
							0	250	500	750				
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grain, dense, moist with rootlets	010508-118-KW	Push Tube								
				FILL: Sandy silt, brown, moist and dense										
				FILL: Sandy clay, brown with weathered/crushed sandstone (white/yellow)										
						FILL: Silty clay, brown/grey, moderately stiff								
						FILL: Sand, yellow, fine to medium grained, slightly dense, moist with shells								
														
1							010508-119-KW	Push Tube						
						SAND: Sand, pale grey, fine to medium grained, moderately dense, moist to wet at 1.4m								
						SILTY SAND: Silty sand, grading to silty clay, wet from 1.9-2.2m								
						SILTY SAND: Silty sand, grey, fine grained, moist and dense								
						SILTY CLAY: Silty clay, dark grey, fine grained, soft, moist to wet								
						SILTY SAND: Silty sand, grey, fine grained, moist and dense								
				SILTY CLAY: Silty clay, grey, minor sand and moist to wet										

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242838.899



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329986.908

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH457**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)			
							0	250	500	750
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, loose, moist with rootlets						
				FILL: Sandy clay, brown, fine grained, soft, moist with rootlets						
				FILL: Sand, dry to moist, black with ash(black and white), crunchy and sharp	300408-94-KW	Push Tube				
				FILL: Crushed weathered sandstone with trace clay, white/orange, dense and dry to moist						
				SILTY CLAY: Silty clay, dark brown, fine grained, stiff, soft from 1.1m, shells at 1.3m and organic odour						
1					300408-95-KW	Push Tube				
2										

Drill Company: Macquarie Drilling

Date Commenced: 30/04/2008

Drill Model:

Date Completed: 30/04/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6242800.902



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

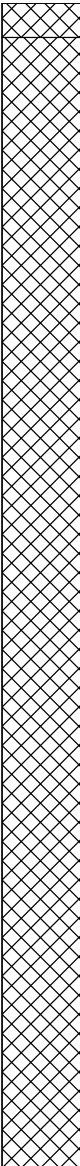
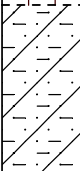
Northing: 329820.421

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BBH458**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL					
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)								
							0	250	500	750					
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, loose, dry with rootlets	010508-124-KW	Push Tube									
						010508-123-KW							Push Tube		
						010508-122-KW							Push Tube		
1							010508-125-KW	Push Tube							
2															
3															
							SILT: Silt with trace clay, black, moist with strong H2S odour								
							SILTY CLAY: Silty clay, dark grey, soft with strong H2S odour								
4							SILTY CLAY: Silty sandy clay, dark grey, dense with strong H2S odour								

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting:

Project: Cooks Cove

Northing:

Client: Boyd Cook Cove

Elevation:

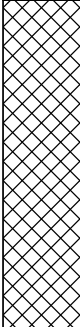
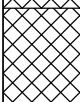
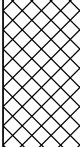
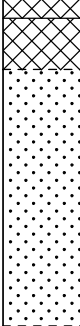
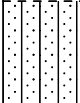
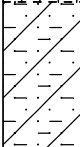
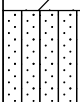
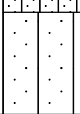
Location: Cooks Cove

Environmental Log: **BBH460**



**CONSULTING
EARTH
SCIENTISTS**

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0	Direct Push			FILL: Grass over silty sand topsoil, dark brown, fine grained, moist with rootlets	010508-114-KW	Push Tube					
				FILL: Sand, yellow, fine to medium grained, moderately dense, moist shells, silty clay, lenses at 0.8m							
						010508-115-KW	Push Tube				
				FILL: Sand, pale grey, fine to medium grained, moderately dense and moist							
1				FILL: Silty clay, dark grey, soft, fine grained, moist to wet							
				SAND: Sand, pale grey, fine to medium grained, wet at 1.5m and shells							
2				SILTY SAND: Silty sand, dark grey, fine to medium grained, wet with shells							
				SILTY CLAY: Silty clay, dark grey, fine grained, soft to dense and wet							
				SILTY SAND: Silty sand, grey, medium grained, moist with shells							
				SANDY SILT: Sandy silt, black/dark grey, organic and H2S odour							

Drill Company: Macquarie Drilling

Date Commenced: 01/05/2008

Drill Model:

Date Completed: 01/05/2008

Hole Diameter (mm):

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243088.007



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

Northing: 329478.534

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BLG401**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	0	FID/PID (ppm)				
								250	500	750		
0	Auger Solid Flight			FILL: Sandy clay, brown with concrete rubble and gravel, crushed sandstone and ironstone gravels	020508-185-KW	Push Tube						
				FILL: Clay, orange/grey/red mottled, gravels, shell, dry								
				FILL: Sand, yellow, fine grained, dry to moist, gravels and clear plastic sheeting								
1				FILL: Black gravels, sand and dry	020508-186-KW	Push Tube						
				FILL: Clay. Grey/orange/red, gravels, stiff and dry								
				FILL: Clayey sand, brown/grey/red, with brown gravels, glass at 1.9m, crushed brick/sandstone								
2												
				SAND: Grey, fine grained, dense, dry to moist with silt lenses								
				SAND: Pale grey, fine to medium grained, minor silt throughout, moist and dense. Becoming wet at 3.4m								
3												

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243088.007



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

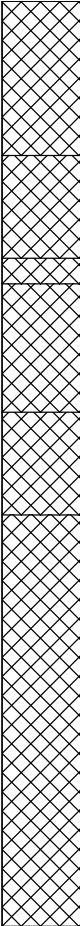
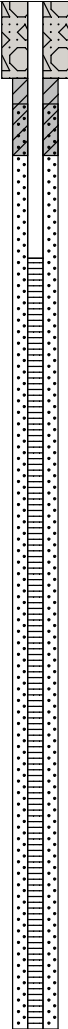
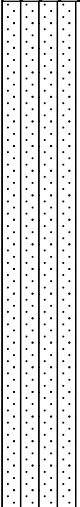
Northing: 329478.534

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BLG402**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)						
							0	250	500	750			
0	Auger Solid Flight			FILL: Grass over silty clay top soil, brown, fine grained, moist, loose with rootlets	020508-172-KW	Push Tube							
				FILL: Silty sand clay, brown, dense, slightly moist, rootlets									
				FILL: Silty sand, light brown, fine grained, dense, moist and shells	020508-173-KW	Push Tube							
				FILL: Sand, pale grey, medium grained, dense, moist, orange sand mottles									
				FILL: Silty clay, brown/orange/grey mottles, moist and stiff									
				FILL: Silty sand, dark grey, fine grained, gravels, moist, wet at 1.7m. Minor clay content									
1						SILTY SAND: Silty clay sand, dark grey/brown, fine grained, soft and wet							
2													

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243088.007



CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

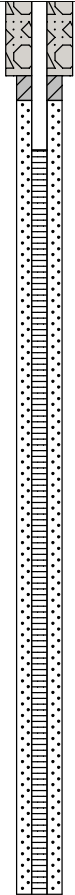
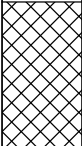
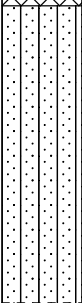
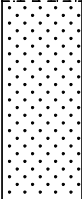
Northing: 329478.534

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BLG404**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL		
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)					
							0	250	500	750		
0	Auger Solid Flight			FILL: Silty sand top soil, brown, fine grained, dry and loose with gravels	020508-178-KW	Push Tube						
				UNKNOWN: Coreless								
1				FILL: Sand, pale grey, fine grained, loose and dry. Silt layers interspersed, dark brown with ash	020508-179-KW	Push Tube						
				SILTY SAND: Dark brown, fine grained, wet at 1.5m and shells								
2				SAND: Pale grey, fine to medium grained, wet and dense								
				SILTY SAND: Silty sand with clay content, dark grey and fine grained								
				SAND: Pale grey, fine to medium grained								
				SILTY CLAY: Dark brown, wet with H2S odour	020508-180-KW	Push Tube						
				End of borehole.								

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID: CES050706-BCC

Easting: 6243174.979



Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Project: Cooks Cove

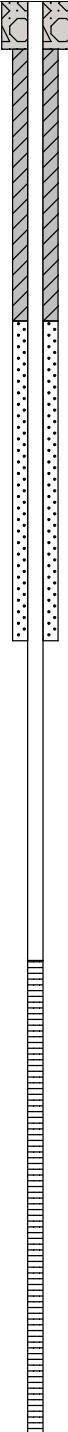
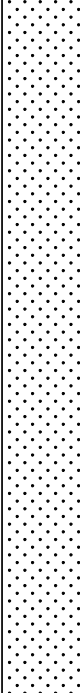
Northing: 329414.632

Client: Boyd Cook Cove

Elevation:

Location: Cooks Cove

Environmental Log: **BMW401**

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION						WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	0	FID/PID (ppm)				
								250	500	750		
0	Auger Solid Flight			TOPSOIL: Grass over silty sand, brown, dry, loose, rootlets with gravels.	020508-187-KW	Push Tube						
				CONCRETE: Concrete rubble								
				FILL: Crushed weathered sandstone								
				FILL: Clayey sand fill, brown, fine grained, dry, large gravels.	020508-A2-KW	Push Tube						
				FILL: Crushed sandstone fill, white, dry.								
1				FILL: Clay fill with brown/orange sand, dry with black gravels. Asbestos fragments at 0.7m.								
				FILL: Crushed sandstone, coarse grained, orange.	020508-188-LJ	Push Tube						
				FILL: Fill. Clay, brown/orange, stiff, dry, gravels, crushed sandstone, sandy clay with ash at 1.3m.								
2												
3				SAND: Sand. Dark grey grading to pale grey. Fine grained, moist and loose. Becoming wet at 3.4m. Silt lenses throughout at depth.								
4												

Drill Company: Macquarie Drilling

Date Commenced: 02/05/2008

Drill Model:

Date Completed: 02/05/2008

Hole Diameter (mm): 75

Logged/checked by: Jenkins/Weir

Project ID:

Project:

Client:

Location:

Easting:

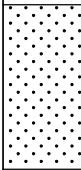
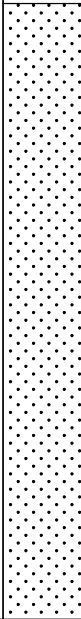
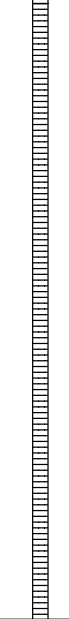
Northing:

Elevation:

CONSULTING
EARTH
SCIENTISTS

Jones Bay Wharf 19-21, Lower Level Suite 121
26-32 Pirrama Road Pyrmont 2009
PH: (02) 8569 2200 FAX: (02) 9552 4399

Environmental Log:

DRILLING INFO.			LITHOLOGY		SAMPLING INFORMATION					WELL DETAIL	
Depth	Method	Water	Symbol	Description	Sample ID	Type	FID/PID (ppm)				
							0	250	500	750	
0											
Auger Solid Flight				FILL: Grass over silty sand top soil, brown, dry, loose with roots	020508-175-KW	Push Tube					
				FILL: Crushed sandstone, white, coarse grained, gravels and ceramics							
				FILL: Sand, brown, fine grained, loose, dry, black gravels with silt inclusions	020508-176-KW	Push Tube					
				FILL: Sand, black, dry with black as gravels							
				UNKNOWN: Core loss							
				SAND: Sand, yellow, fine to medium grained, loose, dry to moist							
				UNKNOWN: Core loss							
				SAND: Sand, grey, fine to medium grained, silt lenses, dry to moist	020508-177-KW	Push Tube					
3											

Drill Company:

Drill Model:

Hole Diameter (mm):

Date Commenced:

Date Completed:

Logged/checked by:

Sheet:

Table 11: Soil Analytical Results - Metals ¹												
Location	Sample Depth (m)	Sample ID	Date Sampled	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury	
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise												
ABH202	0.45-0.55	090508-192-KW	09 May 2008	7.1	<1	8.5	24	4.7	180	69	<0.1	
ABH202	1.9-2.2	090508-202-KW	09 May 2008	8	<1	3.6	<1	1.6	1.7	1.4	<0.1	
ABH202	3.8-4	150508-601-KW	15 May 2008	nt	nt	nt	nt	nt	4	nt	nt	
ABH204	0.1-0.4	070508-55-KW	07 May 2008	<4	<1	3.1	3.9	1	9.9	4.8	<0.1	
ABH204	0.1-0.4	070508-56-KW Field Blind Replicate Sample of 070508-55-KW	07 May 2008	<4	<1	3	6.5	1	16	16	<0.1	
ABH204	0.1-0.4	070508-57-KW Split Field Duplicate of 070508-55-KW	07 May 2008	<5	<1	2	6	<2	9	8	<0.1	
ABH205	0.1-0.2	060508-49-KW	06 May 2008	<4	<1	3.4	12	3.9	33	64	0.14	
ABH205	0.4-0.5	060508-50-KW	06 May 2008	9.3	<1	7	8	1.5	23	13	<0.1	
ABH206	0.1-0.2	090508-208-KW	09 May 2008	<4	<1	3.1	11	2.7	47	36	0.9	
ABH206	1-1.2	090508-209-KW	09 May 2008	<4	<1	<1	1.9	<1	<1	33	<0.1	
ABH207	0.2-0.4	090508-207-KW	09 May 2008	<4	<1	6	2.2	1.7	6.3	7.1	<0.1	
ABH210	0.1-0.2	060508-46-KW	06 May 2008	13	<1	4	8.1	3.4	26	27	<0.1	
ABH2102	0.7-0.8	090508-186-KW	09 May 2008	4.6	<1	3.9	13	7.2	40	44	0.26	
ABH2103	0.1-0.2	090508-194-KW	09 May 2008	<4	<1	9.7	13	12	950	41	<0.1	
ABH2103	0.1-0.2	090508-195-KW Field Blind Replicate Sample of 090508-194-KW	09 May 2008	<4	<1	4.2	7.3	4	1200	34	<0.1	
ABH2103	0.9-1	090508-197-KW	09 May 2008	<4	<1	2.8	13	1.5	61	57	0.53	
ABH2104	0.3-0.5	090508-198-KW	09 May 2008	<4	<1	11	22	15	990	200	<0.1	
ABH2105	1.4-1.5	150508-333-KW	15 May 2008	nt	nt	nt	nt	nt	37	nt	nt	
ABH2105	3.8-4	150508-600-KW	15 May 2008	nt	nt	nt	nt	nt	2.2	nt	nt	
ABH2106	0.1-0.2	090508-204-KW	09 May 2008	<4	<1	6.7	25	9.2	130	89	<0.1	
ABH2107	1-1.1	150508-341-KW	15 May 2008	nt	nt	nt	nt	nt	58	nt	nt	
ABH2107	1.5-1.6	150508-342-KW	15 May 2008	nt	nt	nt	nt	nt	2.8	nt	nt	
ABH2108	0.1-0.2	150508-343-KW	15 May 2008	<4	<1	4.2	4.6	4.2	54	20	<0.1	
ABH2108	1.1-1.2	150508-345-KW	15 May 2008	nt	nt	nt	nt	nt	8.2	nt	nt	
ABH2108	4.2-4.5	150508-348-KW	15 May 2008	nt	nt	nt	nt	nt	2.1	nt	nt	
ABH211	1-1.2	120508-215-KW	12 May 2008	<4	<1	1.6	<1	<1	1	2.1	0.14	
ABH211	1-1.2	120508-216-KW Split Field Duplicate Sample of 120508-215-KW	12 May 2008	<5	<1	2	<5	<2	<5	<5	<0.1	
ABH212	0.35-0.45	080508-161-KW	08 May 2008	6.3	<1	7.2	240	8.6	33	340	<0.1	
ABH213	0.5-0.6	120508-212-KW	12 May 2008	<4	<1	2.2	3.1	1.3	10	11	0.56	
ABH215	0-0.2	060508-36-KW	06 May 2008	11	<1	17	12	7.4	29	82	<0.1	
ABH215	0.7-0.9	060508-37-KW Field Blind Replicate Sample of 060508-36-KW	06 May 2008	6.5	<1	2.7	<1	1.6	1.4	3	<0.1	
ABH215	0.7-0.9	060508-38-KW Split Sample Replicate of Sample 060508-37-KW	06 May 2008	<5	<1	3	<5	<5	<2	<5	<0.1	
ABH216	0-0.2	060508-40-KW	06 May 2008	12	<1	23	10	6.4	20	34	<0.1	
ABH216	2.6-2.8	060508-42-KW	06 May 2008	<4	<1	1	<1	<1	<1	4.4	<0.1	
ABH217	0-0.2	060508-43-KW	06 May 2008	<4	<1	3.5	11	1.9	36	38	<0.1	
ABH226	0-0.1	060508-06-KW	06 May 2008	9.6	<1	4.2	9.9	1.6	45	50	2	
ABH227	0.8-1	060508-09-KW	06 May 2008	<4	<1	1.9	3	<1	12	6.1	<0.1	
ABH227	0.2-0.3	060508-04-KW	06 May 2008	7	<1	3.9	27	21	11	38	0.71	
ABH229	0.5-0.6	060508-05-KW	06 May 2008	<4	<1	1.4	1.5	<1	7.7	7.1	<0.1	
ABH229	0.1-0.25	080508-158-KW	08 May 2008	<4	<1	1.9	7.6	1.5	34	67	0.29	
ABH297	0.5-0.55	090508-165-KW	09 May 2008	6.2	<1	2.1	3.6	<1	14	11	0.28	
ABH297	0.9-1.0	090508-166-KW	09 May 2008	4.5	<1	2.3	8.5	1.6	31	51	0.14	
ABH299	0.1-0.2	090508-168-KW	09 May 2008	5.1	<1	3.8	2	1.8	5.7	7.9	<0.1	
ABH299	1.2-1.3	090508-182-KW	09 May 2008	<4	<1	1.7	<1	<1	3	28	<0.1	
AMW203	0.25-0.35	090508-188-KW	09 May 2008	4.5	<1	5.4	16	4.5	68	47	0.23	
AMW203	0.7-0.8	090508-189-KW	09 May 2008	<4	<1	2.4	33	15	21	33	<0.1	
RE1 Public Recreation												
BBH401	0.2-0.4	280408-01-KW	28 Apr 2008	4.9	<1	4.1	3.4	2.3	7.7	12	0.13	
BBH402	0.5-0.6	280408-06-KW	28 Apr 2008	8.7	<1	15	44	32	64	65	<0.1	
BBH426	0.1-0.2	290408-69-KW	29 Apr 2008	<4	<1	4.4	7.6	1.4	34	46	<0.1	
BBH426	0.5-0.6	290408-70-KW	29 Apr 2008	<4	<1	<1	<1	<1	2.4	2.8	<0.1	
SP4 Enterprise												
ABH228	2.5-2.6	060508-12-KW	06 May 2008	<4	<1	1.2	<1	<1	1.2	14	<0.1	
ABH229	0.1-0.3	060508-13-KW	06 May 2008	68	<1	9.7	31	2	68	13	0.27	
ABH229	0.5-0.8	060508-14-KW	06 May 2008	<4	<1	2.1	<1	<1	1.1	36	<0.1	
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	<4	<1	1.8	<1	<1	1.2	12	<0.1	
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	<5	<1	<2	<5	<5	<2	28	<0.1	
ABH230	0.5-0.6	080508-149-KW	08 May 2008	4.9	<1	7.3	11	5.4	26	29	<0.1	
ABH231	0-0.3	080508-151-KW	08 May 2008	<4	<1	<1	3.4	<1	18	18	<0.1	
ABH231	0.6-0.7	080508-152-KW	08 May 2008	<4	<1	1.3	1.6	<1	7.8	9	<0.1	
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	<4	<1	1.2	1.8	<1	9.1	12	<0.1	
RE1 Public Recreation												
ABH235	0-0.1	070508-79-KW	07 May 2008	<4	<1	3.4	9.5	1.4	36	21	<0.1	
ABH235	0.4-0.55	070508-80-KW	07 May 2008	23	<1	31	8.4	11	21	40	<0.1	
SP4 Enterprise												
ABH236	0-0.1	080508-102-KW	08 May 2008	<4	<1	4.3	7.9	2.3	32	38	<0.1	
ABH237	0-0.2	060508-27-KW	06 May 2008	<4	<1	2.1	5.3	1.1	21	33	<0.1	
ABH238	0.1-0.5	060508-23-KW	06 May 2008	<4	<1	3.5	2.3	1	3.3	9.7	<0.1	
ABH240	0.1-0.4	080508-123-KW	08 May 2008	<4	<1	2	1.8	<1	3.5	5.3	<0.1	
ABH240	0.1-0.4	080508-124-KW Field Blind Replicate Sample of 080508-123-KW	08 May 2008	<4	<1	2.6	1.6	1.1	2	3.3	<0.1	
ABH240	0.1-0.4	080508-125-KW Split Field Duplicate of 080508-123-KW	08 May 2008	<5	<1	2	<5	<2	<5	<5	<0.1	
ABH241	0-0.1	080508-127-KW	08 May 2008	<4	<1	3.1	12	3	27	48	<0.1	
ABH242	0.5-0.7	080508-145-KW	08 May 2008	<4	<1	7.2	9.7	2.1	26	32	0.24	
ABH242	0.5-0.7	080508-146-KW Field Blind Replicate Sample of 080508-145-KW	08 May 2008	6.7	<1	12	13	2.9	26	23	0.1	
ABH242	2.6-2.8	080508-147-KW	08 May 2008	<4	<1	<1	<1	<1	<1	<1	<0.1	
ABH243	0.2-0.3	080508-142-KW	08 May 2008	8.1	1.8	20	110	15	180	320	0.71	
RE1 Public Recreation												
ABH247	1-1.2	070508-100-KW	07 May 2008	<4	<1	5.8	2.6	4	3.9	63	<0.1	
ABH248	1-1.1	080508-106-KW	08 May 2008	<4	<1	1	<1	<1	1.1	1.7	<0.1	
ABH248	1-1.1	080508-107-KW Field Blind Replicate Sample of 080508-106-KW	08 May 2008	<4	<1	<1	<1	<1	<1	4.2	<0.1	
SP4 Enterprise												
ABH249	1-1.1	080508-110-KW	08 May 2008	<4	<1	1.9	8.5	6.3	2.7	49	<0.1	
ABH249	1.2-1.4	080508-111-KW	08 May 2008	<4	<1	1.6	<1	<1	<1	4.5	<0.1	
ABH250	0.7-0.9	080508-114-KW	08 May 2008	<4	<1	3.2	6.3	9.1	2.6	14	<0.1	
ABH250	1.5-1.6	080508-115-KW	08 May 2008	8.3	<1	5.6	1.5	1.1	8.5	12	<0.1	
ABH251	0-0.1	080508-116-KW	08 May 2008	<4	<1	3	6.3	1.5	20	32	<0.1	
ABH252	0.6-0.8	080508-131-KW	08 May 2008	11	<1	14	9.6	5.5	22	43	<0.1	
ABH253	0-0.1	080508-133-KW	08 May 2008	<4	<1	5.2	18	2.6	50	73	<0.1	
ABH254	0-0.1	080508-136-KW	08 May 2008	4.9	<1	7.3	16	3.6	35	48	<0.1	
ABH254	0.6-0.7	080508-137-KW	08 May 2008	28	2	48	36	12	40	150	0.29	
ABH255	0-0.2	080508-139-KW	08 May 2008	6.3	<1	7.8	9.7	2.8	21	36	0.15	
RE1 Public Recreation												
ABH259	0-0.1	120508-248-KW	12 May 2008	4.8	<1	4.3	12	4.5	38	28	0.21	
ABH260	0.6-0.8	120508-245-KW	12 May 2008	<4	<1	<1	<1	<1	<1	1.9	<0.1	
ABH260	0.6-0.8	120508-246-KW Field Blind Replicate Sample of 120508-245-KW	12 May 2008	<4	<1	<1						

Table 11: Soil Analytical Results - Metals ¹											
Location	Sample Depth (m)	Sample ID	Date Sampled	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise											
ABH261	0-0.2	120508-244-KW	12 May 2008	< 4	< 1	4.1	22	1.6	100	130	< 0.1
ABH265	0-0.1	120508-228-KW	12 May 2008	4.7	< 1	5.1	8.3	2.3	21	32	< 0.1
ABH265	0.9-1.1	120508-229-KW	12 May 2008	< 4	< 1	< 1	1.2	< 1	< 1	2.1	< 0.1
ABH265	0.9-1.1	120508-230-KW Split Field Duplicate Sample of 120508-229-KW	12 May 2008	< 5	< 1	< 2	< 5	< 2	< 5	< 5	< 0.1
ABH266	1.2-1.3	120508-227-KW	12 May 2008	5.8	< 1	15	15	2.8	18	59	< 0.1
ABH267	0-0.2	120508-223-KW	12 May 2008	< 4	< 1	2.3	6.4	1.2	23	26	< 0.1
ABH268	0-0.2	120508-275-KW	12 May 2008	< 4	< 1	4.6	11	2.6	28	33	0.24
RE1 Public Recreation											
ABH270	0.1-0.2	130508-311-KW	13 May 2008	< 4	< 1	< 1	1.3	< 1	2.7	5.1	< 0.1
ABH270	1.5-1.6	130508-312-KW	13 May 2008	< 4	< 1	< 1	< 1	< 1	1.2	< 1	< 0.1
ABH271	0-0.2	130508-308-KW	13 May 2008	12	< 1	8.8	20	4.5	36	42	0.29
ABH271	0.4-0.5	130508-309-KW	13 May 2008	< 4	< 1	< 1	1.8	< 1	< 1	< 1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 4	< 1	4.1	13	2	72	120	0.12
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	< 4	< 1	4.8	17	2.2	81	110	0.18
ABH272	2.1-2.2	130508-307-KW	13 May 2008	24	1.3	59	36	15	92	250	0.58
ABH273	0.05-0.15	130508-292-KW	13 May 2008	< 4	< 1	5.3	8.6	2.5	25	38	< 0.1
ABH273	0.7-0.8	130508-293-KW	13 May 2008	< 4	< 1	2.8	3.7	< 1	13	17	< 0.1
ABH274	0.5-0.6	130508-290-KW	13 May 2008	< 4	< 1	1.9	2.3	< 1	5.5	6.5	< 0.1
ABH275	0.8-1.2	130508-286-KW	13 May 2008	< 4	< 1	< 1	< 1	< 1	< 1	3.5	< 0.1
ABH275	0.8-1.2	130508-287-KW Field Blind Replicate Sample of 130508-286-KW	13 May 2008	< 4	< 1	< 1	< 1	< 1	< 1	1.3	< 0.1
ABH275	0.8-1.2	130508-288-KW Split Field Duplicate of 130508-286-KW	13 May 2008	< 5	< 1	< 2	< 5	< 2	< 5	< 5	< 0.1
ABH276	0.05-0.25	130508-282-KW	13 May 2008	4.5	< 1	16	45	11	110	150	0.16
ABH276	0.8-1	130508-283-KW	13 May 2008	4	< 1	19	66	18	120	110	0.16
SP4 Enterprise											
ABH277	1.1-1.2	130508-280-KW	13 May 2008	12	< 1	7.3	15	3.9	45	14	0.15
ABH277	2.1-2.2	130508-281-KW	13 May 2008	< 4	< 1	8.4	2	1.1	4.3	3.6	< 0.1
RE1 Public Recreation											
ABH283	0-0.2	150508-381-KW	15 May 2008	26	< 1	58	48	6.4	75	77	0.37
ABH284	1.3-1.6	150508-385-KW	15 May 2008	< 4	< 1	2	1.7	1.3	2.7	25	< 0.1
ABH284	1.3-1.6	150508-386-KW Field Blind Replicate Sample of 150508-385-KW	15 May 2008	< 4	< 1	1.1	1.4	1.3	1.2	16	< 0.1
ABH284	1.3-1.6	150508-387-KW Split Field Duplicate of 150508-385-KW	15 May 2008	< 5	< 1	4	6	8	9	26	< 0.1
SP4 Enterprise											
ABH285	0-0.2	150508-389-KW	15 May 2008	11	< 1	21	30	7.5	160	150	0.53
ABH286	0.1-0.3	150508-391-KW	15 May 2008	< 4	< 1	2.2	3.5	1.4	11	14	< 0.1
ABH286	2.3-2.5	150508-393-KW	15 May 2008	< 4	< 1	4.2	< 1	< 1	2.1	1.9	< 0.1
ABH286	2.3-2.5	150508-394-KW Field Blind Replicate Sample of 150508-393-KW	15 May 2008	< 4	< 1	4.1	< 1	1	1.8	1.2	< 0.1
RE1 Public Recreation											
ABH287	0-0.4	150508-378-KW	15 May 2008	4.5	< 1	7.4	5.4	2.3	14	31	< 0.1
ABH287	0-0.4	150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008	< 4	< 1	5.9	5.7	1.8	18	26	< 0.1
ABH288	0.7-0.8	150508-374-KW	15 May 2008	7.6	< 1	8.9	4.5	2.8	5.6	11	< 0.1
ABH289	0-0.3	150508-370-KW	15 May 2008	22	< 1	42	28	8.5	65	88	0.3
ABH289	0-0.3	150508-371-KW Field Blind Replicate Sample of 150508-370-KW	15 May 2008	25	< 1	53	40	9.5	77	100	0.44
ABH290	1.3-1.4	150508-359-KW	15 May 2008	7.7	< 1	22	19	5.2	48	67	0.3
SP4 Enterprise											
ABH291	0.1-0.5	150508-352-KW	15 May 2008	< 4	< 1	2	2.2	1.9	64	14	< 0.1
ABH291	0.1-0.5	150508-353-KW Field Blind Replicate Sample of 150508-352-KW	15 May 2008	< 4	< 1	1.6	2.7	1.4	140	20	< 0.1
ABH291	0.1-0.5	150508-354-KW Split Field Duplicate of 150508-352-KW	15 May 2008	< 5	< 1	< 2	< 5	< 2	46	13	< 0.1
ABH291	2.7-2.8	150508-356-KW	15 May 2008	17	< 1	4.9	16	4.2	130	12	< 0.1
ABH291	4-4.2	150508-357-KW	15 May 2008	< 4	< 1	5.4	1.1	2.1	2.8	4	< 0.1
RE1 Public Recreation											
ABH293	0.4-0.5	130508-328-KW	13 May 2008	< 4	< 1	6.5	9.4	3.6	56	42	< 0.1
ABH293	2.1-2.2	130508-330-KW	13 May 2008	19	2.4	50	40	15	120	260	0.65
ABH294	0.5-0.6	150508-368-KW	15 May 2008	18	1	34	26	11	61	110	0.27
ALG204	1.6-1.7	150508-377-KW	15 May 2008	< 4	< 1	< 1	< 1	< 1	< 1	< 1	< 0.1
ALG205	1.1-1.2	150508-364-KW	15 May 2008	< 4	< 1	3.5	3.1	2.3	5.3	30	< 0.1
ALG205	2.6-2.8	150508-365-KW	15 May 2008	< 4	< 1	3.7	3.9	< 1	8.9	33	< 0.1
AMW204	0.9-1	080508-119-KW	08 May 2008	19	< 1	27	8.1	9.8	20	29	< 0.1
AMW204	2.6-2.8	080508-120-KW	08 May 2008	22	< 1	6.7	< 1	5.1	2.6	3.2	< 0.1
AMW205	0.1-0.2	080508-155-KW	08 May 2008	< 4	< 1	1.5	< 1	< 1	5.8	16	< 0.1
AMW205	2-2.2	080508-157-KW	08 May 2008	< 4	< 1	2.4	< 1	1.3	1.1	10	< 0.1
AMW207	0.5-0.7	120508-219-KW	12 May 2008	9.9	< 1	20	7500	59	350	540	< 0.1
AMW207	1.4-1.5	120508-220-KW	12 May 2008	< 4	< 1	3.8	12	3.7	7.2	13	< 0.1
BBH403	1.1-1.4	280408-12-KW	28 Apr 2008	7.3	< 1	6.1	1.6	2.9	5.8	17	< 0.1

Table 11: Soil Analytical Results - Metals ¹											
Location	Sample Depth (m)	Sample ID	Date Sampled	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BBH403	1.1-1.4	280408-13-KW Field Blind Replicate Sample of 280408-12-KW	28 Apr 2008	5.8	< 1	5.2	3.4	1.9	11	7.5	< 0.1
BBH403	1.1-1.4	280408-14-KW Split Field Duplicate of 280408-12-KW	28 Apr 2008	11	< 1	4	< 5	< 2	< 5	< 5	< 0.1
BBH404	0-0.1	280408-15-KW	28 Apr 2008	< 4	< 1	14	24	42	12	40	< 0.1
BBH405	0-0.2	290408-48-KW	28 Apr 2008	< 4	< 1	4.2	3.6	2.3	68	25	< 0.1
BBH405	0.4-0.5	290408-49-KW	28 Apr 2008	< 4	< 1	4	9.9	6.2	140	62	0.15
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	8	< 1	7	6.1	6.1	43	29	< 0.1
BBH411	0.2-0.4	290408-36-KW	29 Apr 2008	7.3	< 1	11	14	7.1	16	13	< 0.1
BBH411	0.8-0.9	290408-37-KW	29 Apr 2008	9.7	< 1	70	90	49	230	180	< 0.1
BBH415	0.1-0.3	300408-78-KW	30 Apr 2008	9.6	< 1	13	19	1.6	13	9.1	< 0.1
SP4 Enterprise											
BBH421	0-0.1	300408-105-KW	30 Apr 2008	< 4	< 1	3.1	5.2	1.2	16	22	< 0.1
BBH422	2-2.2	300408-113-KW	30 Apr 2008	29	1.9	38	15	16	40	110	0.33
RE1 Public Recreation											
BBH423	0.1-0.3	300408-81-KW	30 Apr 2008	11	< 1	3.7	5	2.3	20	51	< 0.1
BBH423	0.7-0.8	300408-82-KW	30 Apr 2008	4.7	< 1	5	6.7	3.2	10	7.4	< 0.1
BBH460	0-0.15	010508-114-KW	01 May 2008	5.2	< 1	7.5	7	1.7	18	22	2.5
BMW401	0.15-0.35	020508-187-KW	02 May 2008	< 4	< 1	2.8	4.1	1.1	75	27	0.11
BMW401	1.3-1.4	020508-188-KW	02 May 2008	< 4	1	35	110	12	360	200	3.7
BBH454	0-0.1	010508-126-KW	01 May 2008	6.5	< 1	8.4	6	3.8	12	24	< 0.1
BBH454	2.2-2.3	010508-128-KW	01 May 2008	< 4	< 1	5.9	44	1.1	36	57	0.36
BBH406	0.1-0.2	290408-46-KW	29 Apr 2008	15	< 1	26	79	4.2	130	120	0.34
BBH406	0.6-0.8	290408-47-KW	29 Apr 2008	38	< 1	7.3	12	2.1	62	43	0.27
BBH409	0.2-0.5	290408-39-KW	29 Apr 2008	82	< 1	73	160	3.8	290	140	0.49
BBH409	0.2-0.5	290408-40-KW Field Blind Replicate Sample of 290408-39-KW	29 Apr 2008	40	< 1	97	150	4.3	360	150	0.58
BBH409	0.2-0.5	290408-41-KW Split Field Duplicate of 290408-39-KW	29 Apr 2008	56	< 1	72	133	3	268	111	0.3
BBH417	0.2-0.4	290408-29-KW	29 Apr 2008	8.7	< 1	16	60	9.2	69	160	0.7
BBH429	0-0.1	010508-152-KW	01 May 2008	< 4	< 1	8.4	36	9.8	160	100	0.15
BBH429	2.4-2.5	010508-155-KW	01 May 2008	14	< 1	15	90	30	450	420	2.1
SP4 Enterprise											
BBH430	2.4-2.6	300408-107-KW	30 Apr 2008	44	3	65	260	59	2100	1100	0.65
RE1 Public Recreation											
BBH431	0.1-0.2	300408-84-KW	30 Apr 2008	< 4	< 1	3.1	5.1	1.1	13	25	< 0.1
BBH431	0.5-0.6	300408-85-KW	30 Apr 2008	< 4	< 1	7.4	12	2.8	9.3	23	< 0.1
BBH432	0-0.1	010508-160-KW	01 May 2008	10	< 1	20	24	6.8	59	120	0.26
SP4 Enterprise											
BBH433	0.1-0.3	010508-156-KW	01 May 2008	16	< 1	19	66	12	110	190	0.4
BBH433	0.1-0.3	010508-157-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008	7.9	< 1	14	41	6.6	160	180	0.35
BBH433	2.4-2.5	010508-159-KW	01 May 2008	28	7.7	87	180	18	4400	7800	0.93
BBH434	0-0.2	300408-108-KW	30 Apr 2008	< 4	< 1	2.5	5.9	< 1	30	36	< 0.1
BBH434	0.5-0.6	300408-109-KW	30 Apr 2008	< 4	< 1	1.9	3.3	< 1	42	75	< 0.1
BBH435	0.1-0.3	300408-110-KW	30 Apr 2008	4.8	< 1	7.3	13	2.2	55	42	0.12
RE1 Public Recreation											
BBH436	0.1-0.3	300408-87-KW	30 Apr 2008	< 4	< 1	7.1	6.4	1.8	26	40	< 0.1
BBH436	0.5-0.6	300408-88-KW	30 Apr 2008	4.5	< 1	3.7	4.8	1	3.9	17	< 0.1
BBH439	0.1-0.2	010508-133-KW	01 May 2008	8.2	< 1	21	34	12	75	110	0.22
BBH439	0.2-0.4	010508-134-KW	01 May 2008	11	1.1	20	71	17	140	260	0.54
BBH440	0.2-0.4	010508-148-KW	01 May 2008	< 4	< 1	2	2.4	< 1	4	6.5	< 0.1
BBH440	1-1.1	010508-149-KW	01 May 2008	< 4	< 1	1	3.8	< 1	2.7	9.5	< 0.1
SP4 Enterprise											
BBH441	0-0.2	010508-150-KW	01 May 2008	< 4	< 1	2.5	6.1	1.3	110	39	< 0.1
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	5	< 1	7.8	86	2.4	48	86	0.22
BBH442	0.1-0.4	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	< 4	< 1	5.8	40	1.8	30	61	0.12
RE1 Public Recreation											
BBH443	0.4-0.5	300408-89-KW	30 Apr 2008	5.3	< 1	8.8	11	< 1	9.1	2.1	< 0.1
BBH443	0.4-0.5	300408-90-KW Field Blind Replicate Sample of 300408-89-KW	30 Apr 2008	< 4	< 1	4.6	6.3	1.2	8.6	8.4	< 0.1
BBH443	2.2-2.4	300408-91-KW	30 Apr 2008	11	< 1	10	2.2	2.7	4.4	2.7	< 0.1
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 4	< 1	1.4	1.9	< 1	3	6.9	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 4	< 1	1.4	2.3	< 1	5	8.7	< 0.1
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	< 5	< 1	3	6	< 2	18	18	< 0.1
BBH445	1.8-1.9	010508-139-KW	01 May 2008	23	< 1	38	17	12	40	89	0.48
SP4 Enterprise											
BBH446	0.1-0.2	010508-146-KW	01 May 2008	11	< 1	11	26	3.5	66	84	0.27
BBH447	0.1-0.2	010508-144-KW	01 May 2008	< 4	< 1	1.6	3.8	< 1	51	25	< 0.1
BBH448	0.1-0.2	300408-98-KW	30 Apr 2008	7.4	< 1	13	10	4.5	22	30	< 0.1
RE1 Public Recreation											
BBH450	0.4-0.5	010508-140-KW	01 May 2008	< 4	< 1	< 1	< 1	< 1	1.9	3	< 0.1
BBH450	0.8-1	010508-141-KW	01 May 2008	< 4	< 1	< 1	< 1	1.5	1.1	2.2	< 0.1
BBH451	0-0.2	010508-142-KW	01 May 2008	4.7	< 1	9.7	19	3.4	58	52	< 0.1
SP4 Enterprise											
BBH452	0.1-0.2	300408-96-KW	30 Apr 2008	8.5	< 1	14	21	5.5	48	68	0.25
RE1 Public Recreation											
BBH453	0.2-0.3	300408-92-KW	30 Apr 2008	< 4	< 1	8.3	12	2.7	25	18	< 0.1
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 4	< 1	1.8	1.3	1.2	4.9	17	< 0.1
BBH455	0.5-0.6	010508-121-KW	01 May 2008	22	< 1	44	30	7.5	54	56	0.3
BBH456	0.2-0.4	010508-118-KW	01 May 2008	< 4	< 1	7.5	5.3	1.3	120	78	< 0.1
BBH456	1-1.2	010508-119-KW	01 May 2008	< 4	< 1	< 1	< 1	< 1	1.7	2.3	< 0.1
BBH457	0.45-0.6	300408-94-KW	30 Apr 2008	< 4	< 1	5.1	12	11	3.3	9.9	< 0.1
BBH457	1.1-1.2	300408-95-KW	30 Apr 2008	12	< 1	20	3.5	6.6	8.3	13	< 0.1
HIL-C Recreational				300	90	-	17000	1200	600	30000	80
HIL-D Commercial				3000	900	-	240000	6000	1500	400000	730
EIL - Urban residential / public open space				100	-	200	103	35	1131	275	-
EIL - Commercial/ Industrial				160	-	320	148	60	1831	405	-

Concentrations above this action level are shown in **bold** text.

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

Table 12: Soil Analytical Results - TPH/BTEX																				
Location	Sample Depth (m)	Sample ID	Date Sampled	TPH CG - C3	TPH C10 - C14	TPH C15 - C28	TPH C29 - C40	Benzene			Toluene			Ethylbenzene			m-x,p-isomers	o-xylene	Total Xylene	Total Xylenes
								Units	TPH mg/kg	mg/kg	TPH mg/kg	mg/kg	TPH mg/kg	mg/kg	TPH mg/kg	mg/kg				
SP4 Enterprise																				
ABH201	0.0-0.50	070508-150-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH202	1.0-2.2	070508-20-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH203	3.8-4	070508-40-KW	15 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH204	0.1-0.4	070508-55-KW	07 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH204	0.1-0.4	070508-56-KW Field Blank Replicate Sample of 070508-55-KW	07 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH204	0.1-0.4	070508-57-KW Field Duplicate of 070508-55-KW	07 May 2008	<10	<50	<100	<100	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
ABH205	0.1-0.2	070508-49-KW	06 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH210	0.1-0.2	070508-46-KW	15 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH210	0.5-0.5	060508-40-KW	06 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH213	0.1-0.1	070508-37-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH213	1.1-1.4	070508-35-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH214	0.1-0.5	070508-138-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH215	14.1-15	150508-16-KW	15 May 2008	200	720	130	<100	8.9	21	22	33	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
ABH215	1.0-2.2	070508-34-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH215	3.8-4	150508-40-KW	15 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH216	1.1-1.2	150508-205-KW	09 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH217	0.5-0.8	150508-33-KW	15 May 2008	<25	<50	<100	<100	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	
ABH217	1.1-1.1	150508-31-KW	15 May 2008	1400	1400	1400	<100	91	200	120	300	630	630	630	630	630	630	630	630	
ABH217	1.5-1.6	150508-34-KW	15 May 2008	1000	4300	500	<100	96	470	60	340	130	470	470	470	470	470	470	470	
ABH218	0.1-0.2	150508-34-KW	15 May 2008	<25																

nt = Not Tested

- = Action Level not established

Table 13: Soil Analytical Results - PAH																						
Location	Sample Depth (m)	Sample ID	Date Sampled	Naphthalene																		
				Units																		
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Total PAH			
SP4 Enterprise																						
ABH207	2.6-2.8	290408-77-KW	30 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.07	0.1	0.1	0.244	1.59		
ABH202	1.9-2.2	090508-202-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.05	0.1	0.1	0.242	1.75	
ABH204	0.1-0.4	070508-55-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH204	0.1-0.4	070508-56-KW Field Blind Replicate Sample of 070508-55-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.463	2.4	
ABH204	0.1-0.4	070508-57-KW Spill Field Duplicate of 070508-55-KW	07 May 2008	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.3	3.3	
ABH206	1.1-1.2	090508-209-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH207	0.2-0.4	090508-207-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH208	1.2-1.4	070508-68-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH209	0.15-0.25	070508-62-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH210	0.1-0.2	090508-46-KW	06 May 2008	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.453	2.5	
ABH210	0.1-0.2	090508-173-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH2101	0.4-0.5	090508-175-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.062	0.1	0.1	0.244	1.725	
ABH2102	0.7-0.8	090508-186-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.22	0.07	0.1	0.1	0.344	1.75	
ABH2104	0.3-0.5	090508-186-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.1	0.1	0.1	0.244	1.66	
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH2108	1.1-1.2	120508-345-KW	15 May 2008	30	0.1	0.6	1.2	5.1	1.5	4.8	4	1.4	1.3	1.4	0.8	0.5	0.1	0.3	4.446	3.1		
ABH211	0.35-0.45	090508-181-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH211	0.35-0.45	120508-323-KW	01 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH214	0.4-0.5	070508-71-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH218	0.4-0.5	090508-07-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.07	0.1	0.1	0.244	1.725	
ABH220	0.2-0.3	090508-04-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH221	0.75-0.85	090508-159-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH297	0.9-1.0	090508-166-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH293	0.25-0.35	090508-186-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.8	1	0.5	0.5	0.8	0.5	0.3	0.1	0.3	1.268	1.6	
ABH293	0.7-0.8	090508-186-KW	09 May 2008	0.1	0.1	0.1	0.1	0.7	0.1	0.4	0.4	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.905	3.1	
RE1 Public Recreation																						
ABH203	1.5-2	090508-159-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH402	0.5-0.6	280408-48-KW	28 Apr 2008	0.1	0.2	0.4	0.5	7.1	1.7	0.3	0.3	1.4	3.6	5.5	2.7	0.2	0.2	0.1	0.1	11.868	47.8	
ABH402	0.8-0.9	280408-07-KW	28 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.342	1.75	
ABH426	0.5-0.6	290408-70-KW	29 Apr 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
SP4 Enterprise																						
ABH225	0.2-0.6	090508-34-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH226	0.1-0.2	060508-20-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH226	0.4-0.5	090508-21-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH227	0.2-0.6	090508-17-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.2	0.2	0.1	0.344	1.725
ABH227	0.2-0.6	090508-16-KW Field Blind Replicate Sample of 090508-17-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.22	0.1	0.1	0.344	1.725	
ABH227	0.2-0.6	090508-28-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH228	0.2-0.3	090508-03-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.22	0.07	0.1	0.1	0.344	1.66	
ABH229	0.1-0.5	060508-13-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.453	2.5	
ABH229	0.5-0.8	090508-14-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH229	0.5-0.8	090508-15-KW Field Blind Replicate Sample of 090508-14-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH229	0.5-0.8	090508-16-KW Spill Field Duplicate of 090508-14-KW	06 May 2008	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.3	3.3	
ABH231	0.6-0.7	090508-152-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH231	0.6-0.7	090508-152-KW Field Blind Replicate Sample of 090508-152-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH232	1.5-2.1	090508-54-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH236	0.9-1.0	090508-26-KW	06 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH239	0.4-0.5	090508-122-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH240	0.1-0.4	090508-122-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH240	0.1-0.4	090508-124-KW Field Blind Replicate Sample of 090508-122-KW	08 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.085	0.1	0.1	0.244	1.725	
ABH240	0.1-0.4	090508-125-KW Spill Field Duplicate of 090508-122-KW	08 May 2008	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.3	3.3	
ABH243	0.2-0.3	090508-142-KW	08 May 2008	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.6	0.3	0.4	0.9	0.5	0.4	0.1	0.4	0.868	4.9		
RE1 Public Recreation																						
ABH247	0.1-0.4	070508-98-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH247	0.1-0.4	070508-99-KW Field Blind Replicate Sample of 070508-98-KW	07 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH248	0.2-0.8	090508-186-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
SP4 Enterprise																						
ABH249	1.1-1	090508-119-KW	09 May 2008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.22	0.205	0.1	0.1	0.244	1.725	
ABH249	1.2-1.4	090508-111-KW	09 May 2008	0.1	0.1	0.1	0.															

[illegible]

Table 15: Soil Analytical Results - OPP										
Location	Sample Depth (m)	Sample ID	Date Sampled	Dinoseb	Diazinon	Chlorpyrifos-methyl	Ronnel	Fenitrothion	Chlorpyrifos	Ethion
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise										
ABH205	0.1-0.2	060508-49-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH206	0.1-0.2	090508-208-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH207	0.2-0.4	090508-207-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2102	0.2-0.3	090508-185-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2103	0.1-0.2	090508-194-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2103	0.1-0.2	090508-195-KW Field Blind Replicate Sample of 090508-194-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2106	0.1-0.2	090508-204-KW	09 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH211	0-0.1	120508-214-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH216	0-0.2	060508-40-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH218	0-0.1	060508-06-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH221	0.1-0.25	080508-158-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
BBH401	0.2-0.4	280408-01-KW	28 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH454	0-0.1	010508-126-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH425	0.2-0.4	290408-57-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH426	0.1-0.2	290408-69-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH438	0.2-0.3	290408-72-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
ABH225	0-0.2	060508-33-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-14-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
ABH230	0.1-0.2	080508-148-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
ABH235	0-0.1	070508-79-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
ABH237	0-0.2	060508-27-KW	06 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH239	0-0.1	080508-121-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH240	0.1-0.4	080508-123-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH240	0.1-0.4	080508-124-KW Field Blind Replicate Sample of 080508-123-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH240	0.1-0.4	080508-125-KW Split Field Duplicate of 080508-123-KW	08 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
ABH243	0-0.1	080508-141-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
ABH247	0.1-0.4	070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH247	0.1-0.4	070508-99-KW Field Blind Replicate Sample of 070508-98-KW	07 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
ABH251	0-0.1	080508-116-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH253	0-0.1	080508-133-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH255	0-0.2	080508-139-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
ABH259	0-0.1	120508-248-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH260	0-0.2	120508-243-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
ABH263	0-0.1	120508-235-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH264	0-0.1	120508-232-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH266	0.1-0.2	120508-226-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH267	0-0.2	120508-223-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
ABH268	0-0.2	120508-275-KW	12 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH271	0-0.2	130508-308-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH274	0.1-0.3	130508-289-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH276	0.05-0.25	130508-282-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH282	0-0.2	130508-296-KW	13 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH283	0-0.2	150508-381-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
ABH285	0-0.2	150508-389-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
ABH287	0-0.4	150508-378-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH287	0-0.4	150508-379-KW Field Blind Replicate Sample of 150508-378-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH288	0-0.2	150508-373-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH290	0-0.2	150508-358-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ALG205	0-0.15	150508-363-KW	15 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
AMW205	0.1-0.2	080508-155-KW	08 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH404	0-0.1	280408-15-KW	28 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH415	0.1-0.3	300408-78-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
BBH421	0-0.1	300408-105-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
BBH406	0.1-0.2	290408-46-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH409	0.2-0.5	290408-39-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH409	0.2-0.5	290408-40-KW Field Blind Replicate Sample of 290408-39-KW	29 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH409	0.2-0.5	290408-41-KW Split Field Duplicate of 290408-39-KW	29 Apr 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
BBH429	0-0.1	010508-152-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH432	0-0.1	010508-160-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
BBH433	0.1-0.3	010508-156-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH433	0.1-0.3	010508-157-KW Field Blind Replicate Sample of 010508-156-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
BBH436	0.1-0.3	300408-87-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH439	0.1-0.2	010508-133-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH440	0.2-0.4	010508-148-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise										
BBH441	0-0.2	010508-150-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH442	0.1-0.4	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	< 0.05	< 0.05	< 0.05	nt	nt	< 0.05	< 0.05
SP4 Enterprise										
BBH446	0.1-0.2	010508-146-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH447	0.1-0.2	010508-144-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH448	0.1-0.2	300408-98-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Public Recreation										
BBH451	0-0.2	010508-142-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH453	0.2-0.3	300408-92-KW	30 Apr 2008	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH456	0.2-0.4	010508-118-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH457	0.45-0.6	300408-94-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
HIL-C Recreational				-	-	-	-	-	250	-
HIL-D Commercial				-	-	-	-	-	2000	-

= = Action Level not established

Table 17: Soil Analytical Results - Phenols¹

Location	Sample Depth (m)	Sample ID	Date Sampled	Total Phenolics
			Units	mg/kg
SP4 Enterprise				
ABH202	1.9-2.2	090508-202-KW	09 May 2008	< 5
ABH210	0.1-0.2	060508-46-KW	06 May 2008	< 5
ABH212	0.35-0.45	080508-161-KW	08 May 2008	< 5
ABH219	0-0.2	060508-08-KW	06 May 2008	< 5
ABH220	0.2-0.3	060508-04-KW	06 May 2008	< 5
ABH299	0.1-0.2	090508-168-KW	09 May 2008	< 5
ABH2103	1.3-1.4	090508-199-KW	09 May 2008	< 5
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	< 5
RE1 Public Recreation				
BBH426	1.7-1.8	290408-71-KW	29 Apr 2008	< 5
SP4 Enterprise				
ABH226	0.1-0.2	060508-20-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-14-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 5
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.5
ABH231	0.6-0.7	080508-152-KW	08 May 2008	< 5
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	< 5
ABH239	0.4-0.5	080508-122-KW	08 May 2008	< 5
ABH240	0.8-1	080508-126-KW	08 May 2008	< 5
ABH243	0.2-0.3	080508-142-KW	08 May 2008	< 5
ABH249	1-1.1	080508-110-KW	08 May 2008	< 5
ABH265	0-0.1	120508-228-KW	12 May 2008	< 5
RE1 Public Recreation				
ABH289	2-2.2	150508-372-KW	15 May 2008	< 5
AMW207	1.4-1.5	120508-220-KW	12 May 2008	< 5
SP4 Enterprise				
BBH421	0-0.1	300408-105-KW	30 Apr 2008	< 5
BBH407	0.4-0.5	290408-44-KW	29 Apr 2008	< 5
BBH424	1.4-1.6	290408-55-KW	29 Apr 2008	< 5
RE1 Public Recreation				
BBH429	2.4-2.5	010508-155-KW	01 May 2008	< 5
BBH437	2.6-2.8	290408-77-KW	30 Apr 2008	< 5
BBH443	0.4-0.5	300408-89-KW	30 Apr 2008	< 5
BBH443	0.4-0.5	300408-90-KW Field Blind Replicate Sample of 300408-89-KW	30 Apr 2008	< 5
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 5
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 5
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	<5
SP4 Enterprise				
BBH447	0.1-0.2	010508-144-KW	01 May 2008	< 5
BBH447	0.7-0.8	010508-145-KW	01 May 2008	< 5
RE1 Public Recreation				
BBH450	0.4-0.5	010508-140-KW	01 May 2008	< 5
			HIL-C Recreational	40000
			HIL-D Commercial	240000

Concentrations above this action level are shown in **bold** text

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

Table 18: Soil Analytical Results - Nutrients and Salinity'																			
Location	Sample Depth (m)	Sample ID	Date Sampled	Ammonia as N	Total Nitrogen	Nitrate as N	Nitrate as N	Total Phosphorus	pH	Texture	Electrical Conductivity	EC _e	Salinity as NaCl	Resistivity	Sulphate as SO ₄	Sulphate as SO ₄	Sulphate as SO ₄	Chloride	Chloride
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH	-	us/cm	dS/m	mg/kg	ohm m	mg/kg	mg/kg	%	mg/kg	%
RE1 Recreational																			
ALC205	0.0-0.15	150508-363-KW	15 May 2008	nt	nt	nt	nt	nt	7.3	nt	180	nt	120	56	<25	nt	nt	<100	nt
SP4 Enterprise																			
ABH201	0-0.2	050508-01-KW	05 May 2008	7.3	1100	<0.1	5.1	230	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH203	0-0.1	070508-59-KW	07 May 2008	7.3	2100	<0.1	1.7	630	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH206	0.1-0.2	090508-208-KW	09 May 2008	<0.5	2300	<0.1	4.9	220	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH217	0-0.2	060508-43-KW	06 May 2008	11	3300	<0.1	<0.5	350	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH221	0.1-0.25	080508-158-KW	08 May 2008	3.5	1500	<0.1	0.8	160	7.8	nt	61	nt	39	160	29	nt	nt	<100	nt
ABH222	0.0-0.1	070508-76-KW	07 May 2008	nt	nt	nt	nt	nt	6.2	nt	580	nt	370	17	63	nt	nt	820	nt
ABH224	0.0-0.3	060508-30-KW	06 May 2008	nt	nt	nt	nt	nt	5.6	nt	94	nt	60	110	48	nt	nt	<100	nt
ABH229	0.5-0.8	060508-14-KW	06 May 2008	1.2	240	<0.1	0.6	20	7.5	nt	88	nt	56	110	31	nt	nt	<100	nt
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	1.4	230	<0.1	0.7	19	7.3	nt	95	nt	61	110	30	nt	nt	130	nt
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	<20	140	0.199	0.1	24	6.7	nt	105	nt	nt	50	nt	nt	nt	100	nt
ABH233	0.4-0.15	070508-93-KW	07 May 2008	19	2900	1.8	5.9	440	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
RE1 Recreational																			
ABH235	0-0.1	070508-79-KW	07 May 2008	14	4600	0.2	2.9	250	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enterprise																			
ABH237	0-0.2	060508-27-KW	06 May 2008	4.5	2700	0.3	2.9	150	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH241	0-0.1	080508-127-KW	08 May 2008	14	2000	0.5	1.8	550	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH242	0.5-0.7	080508-145-KW	08 May 2008	2.5	320	<0.1	0.8	120	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH242	0.5-0.7	080508-146-KW Field Blind Replicate Sample of 080508-145-KW	08 May 2008	2.5	320	<0.1	0.7	72	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH243	0-0.1	080508-141-KW	08 May 2008	5.2	4100	<0.1	2.5	430	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
RE1 Recreational																			
ABH247	0.1-0.4	070508-98-KW	07 May 2008	1.5	840	<0.1	2.1	400	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enterprise																			
ABH252	0.0-0.1	080508-130-KW	08 May 2008	nt	nt	nt	nt	nt	8.1	nt	290	nt	190	35	31	nt	nt	380	nt
ABH256	0-0.1	120508-264-KW	12 May 2008	0.9	710	<0.1	0.7	1500	7.1	nt	90	nt	58	110	<25	nt	nt	<100	nt
RE1 Recreational																			
ABH260	0-0.2	120508-243-KW	12 May 2008	2.5	2000	<0.1	0.8	210	6.8	nt	130	nt	83	77	<25	nt	nt	<100	nt
ABH262	0.3-0.5	120508-238-KW	12 May 2008	0.7	240	<0.1	<0.5	77	8.6	nt	70	nt	45	140	<25	nt	nt	<100	nt
SP4 Enterprise																			
ABH267	0-0.2	120508-223-KW	12 May 2008	1.3	1700	<0.1	<0.5	84	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
RE1 Recreational																			
ABH272	0.1-0.5	130508-304-KW	13 May 2008	<0.5	480	<0.1	<0.5	340	7.7	nt	110	nt	70	91	<25	nt	nt	<100	nt
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	0.6	560	<0.1	<0.5	340	7.7	nt	110	nt	70	91	<25	nt	nt	<100	nt
ABH275	0.0-0.2	130508-285-KW	13 May 2008	nt	nt	nt	nt	nt	7.3	nt	110	nt	70	91	<25	nt	nt	<100	nt
ABH276	0.05-0.25	130508-282-KW	13 May 2008	1.6	610	<0.1	<0.5	380	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH280	0-0.2	130508-299-KW	13 May 2008	nt	nt	nt	nt	nt	8.4	nt	90	nt	58	110	<25	nt	nt	<100	nt
ABH282	0-0.2	130508-296-KW	13 May 2008	5.1	530	<0.1	2.3	200	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH284	0.4-0.15	150508-384-KW	15 May 2008	2.8	2400	<0.1	6.2	420	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH288	0-0.2	150508-373-KW	15 May 2008	8.3	1500	<0.1	3.2	430	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH294	0-0.2	150508-367-KW	15 May 2008	4.5	3000	<0.1	6	540	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH295	0-0.2	130508-322-KW	13 May 2008	2.2	300	<0.1	<0.5	64	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH296	0-0.2	120508-261-KW	12 May 2008	2.9	17000	<0.1	<0.5	1000	4.8	nt	99	nt	63	100	<25	nt	nt	<100	nt
AL2302	0.2-0.4	120508-279-KW	12 May 2008	2.4	320	<0.1	<0.5	200	6.3	nt	84	nt	54	120	<25	nt	nt	<100	nt
BMW201	0.1-0.2	120508-257-KW	12 May 2008	0.8	9100	<0.1	<0.5	1700	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH401	0.2-0.4	290408-01-KW	28 Apr 2008	0.6	440	0.1	<0.5	74	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH402	0.1-0.3	280408-05-KW	28 Apr 2008	nt	nt	nt	nt	nt	6.9	sandy loam	43	0.6	28	230	<25	<20	<0.002	<100	<0.01
BBH405	0.0-0.2	290408-48-KW	29 Apr 2008	nt	nt	nt	nt	nt	9.1	loam	75	0.75	48	130	<25	<20	<0.002	<100	<0.01
BBH406	0.1-0.2	290408-46-KW	29 Apr 2008	0.9	460	0.4	4.2	2800	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH411	0.2-0.4	290408-36-KW	29 Apr 2008	1.4	380	0.3	<0.5	75	7.7	light clay	92	0.78	59	110	62	49.6	0.00496	<100	<0.01
BBH423	0.1-0.3	300408-81-KW	30 Apr 2008	1.3	250	<0.1	<0.5	120	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH427	0.1-0.3	290408-59-KW	29 Apr 2008	0.7	690	0.1	<0.5	260	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enterprise																			
BBH439	0.1-0.3	300408-106-KW	30 Apr 2008	<0.5	680	<0.1	<0.5	68	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
RE1 Recreational																			
BBH432	0-0.1	010508-160-KW	01 May 2008	17	2500	0.4	0.8	700	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH440	0.2-0.4	010508-148-KW	01 May 2008	0.7	280	<0.1	0.6	100	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
SP4 Enterprise																			
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	1.8	830	<0.1	1.9	160	8.4	sandy loam	67	0.94	150	43	<25	<20	<0.002	<100	<0.01
BBH442	0.1-0.4	300408-102-KW Field Blind Replicate Sample of 300408-101-KW	30 Apr 2008	1.7	1200	<0.1	1.5	120	8.2	sandy loam	51	0.94	160	39	<25	<20	<0.002	<100	<0.01
RE1 Recreational																			
BBH445	0.1-0.4	010508-136-KW	01 May 2008	nt	nt	nt	nt	nt	8.2	sand	51	0.94	200	33	<25	<20	<0.002	<100	<0.01
BBH445	0.1-0.4	300408-137-KW Field Blind Replicate Sample of 300408-136-KW	01 May 2008	nt	nt	nt	nt	nt	8.2	sand	55	0.94	180	35	<25	<20	<0.002	<100	<0.01
SP4 Enterprise																			
BBH446	0.1-0.2	010508-146-KW	01 May 2008	4.5	1300	1	4.1	1700	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH448	0.4-0.5	300408-99-KW	30 Apr 2008	nt	nt	nt	nt	nt	7.5	sandy loam	3100	43.4	3.2	2000	6700	5360	0.536	200	0.02
BBH450	0.1-0.4	010508-122-KW	01 May 2008	<0.5	240	<0.1	<0.5	27	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH450	0.1-0.4	010508-123-KW Field Blind Replicate Sample of 010508-122-KW	01 May 2008	<0.5	280	<0.1	<0.5	43	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH450	0.1-0.4	010508-124-KW Split Field Duplicate Sample of 010508-122-KW	01 May 2008	<20	720	<0.1	<0.1	268	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
BBH460	0.4-0.15	010508-114-KW	01 May 2008	3	450	<0.1	1.8	210	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
RE1 Recreational																			
BMW401	0.15-0.35	020508-187-KW	02 May 2008	0.8	260	<0.1	0.6	67	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt

Concentrations above this action level are shown in **bold text**.

<### Represents results below the laboratory Practical Quantitation Limit

nt = Not Tested

- = Action Level not established

Table 19: Soil Analytical Results - VOC¹

Location	Sample Depth (m)	Sample ID	Date Sampled	Styrene	Cumene (isopropylbenzene)	n-Propylbenzene	1,3,5-Trimethylbenzene	sec-butylbenzene	1,2,4-Trimethylbenzene	tert-Butylbenzene	p-Isopropyltoluene	n-Butylbenzene	2,2-Dichloropropane	1,2-dichloropropane	cis-1,3-Dichloropropane	trans-1,3-Dichloropropane	1,2-Dibromoethane	Dichlorodifluoromethane	Chloromethane	Vinyl chloride	Bromomethane	Chloroethane	Trichlorofluoromethane	1,1-Dichloroethylene	trans-1,2-Dichloroethylene	1,1-Dichloroethane	cis-1,2-Dichloroethylene	1,1,1-Trichloroethane		
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise																														
ABH202	1.9-2.2	090508-202-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH210	0.1-0.2	060508-46-KW	06 May 2008	<1	<1	<1	1.5	<1	3.1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH2103	0.9-1	090508-197-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH2105	1.4-1.5	150508-333-KW	15 May 2008	<1	1.5	5.5	7.8	<1	43	<1	1.9	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH2105	3.8-4	150508-600-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH2107	1-1.1	150508-341-KW	15 May 2008	<10	<10	19	40	<10	160	<10	<10	<10	<10	<10	<10	<10	<100	<100	<100	<100	<100	<100	<100	<10	<10	<10	<10	<10		
ABH2108	4.2-4.5	150508-348-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH212	0.35-0.345	080508-161-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH299	0.1-0.2	090508-168-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
RE1 Recreational																														
BBH402	0.8-0.9	280408-07-KW	28 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
BBH438	1.9-2	290408-73-KW	30 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
SP4 Enterprise																														
ABH226	0.1-0.2	060508-20-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH229	0.5-0.8	060508-14-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5		
ABH231	0.6-0.7	080508-152-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH240	0.8-1	080508-126-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH249	1-1.1	080508-110-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH265	0-0.1	120508-228-KW	12 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
RE1 Recreational																														
ABH275	0.8-1.2	130508-286-KW	13 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH275	0.8-1.2	130508-287-KW Field Blind Replicate Sample of 130508-286-KW	13 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH275	0.8-1.2	130508-288-KW Split Field Duplicate of 130508-286-KW	13 May 2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5		
ABH276	0.8-1	130508-283-KW	13 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
ABH288	0.7-0.8	150508-374-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
AMW207	0.5-0.7	120508-219-KW	12 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
BBH409	1.9-2	290408-42-KW	29 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	<1	<1	<1		
BBH429	2.4-2.5	010508-155-KW	01 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	nt	<1	<1		
BBH431	0.5-0.6	300408-85-KW	30 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	nt	<1	<1		
SP4 Enterprise																														
BBH433	2.4-2.5	010508-159-KW	01 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	nt	<1	<1		
RE1 Recreational																														
BBH447	0.7-0.8	010508-145-KW	01 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	nt	<1	<1		
BBH450	0.4-0.5	010508-140-KW	01 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<1	<1	nt	<1	<1		

Concentrations above this action level are shown in bold text.

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

Table 19(continued): Soil Analytical Results - VOC1

Location	Sample Depth (m)	Sample ID	Date Sampled	Sample Name																													
				1,1-Dichloropropene	Carbon tetrachloride	1,2-Dichloroethane	Trichloroethene	Dibromomethane	1,1,2-trichloroethane	1,3-dichloropropane	Tetrachloroethene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	1,2-Dibromo-3-chloropropane	Heachlorobutadiene	Bromochloromethane	Chlorobenzene	Bromobenzene	o-Chlorotoluene	4-chlorotoluene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2,4-trichlorobenzene	1,2,3-trichlorobenzene	Chloroform	Bromodichloromethane	Chlorodibromomethane	Bromoform	Naphthalene		
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise																																	
ABH202	1.9-2.2	090508-202-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH210	0.1-0.2	060508-46-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH2103	0.9-1	090508-197-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH2105	1.4-1.5	150508-333-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	8.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH2105	3.8-4	150508-600-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH2106	1.1-1.2	090508-205-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt		
ABH2107	1-1.1	150508-341-KW	15 May 2008	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	nt	
ABH2108	4.2-4.5	150508-348-KW	15 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH212	0.35-0.345	080508-161-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH250	0.1-0.2	090508-168-KW	09 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
RE1 Recreational																																	
BBH402	0.8-0.9	280408-07-KW	28 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.1		
BBH438	1.9-2	290408-73-KW	30 Apr 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
SP4 Enterprise																																	
ABH226	0.1-0.2	060508-20-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH229	0.5-0.8	060508-14-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nt
ABH231	0.6-0.7	080508-152-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH231	0.6-0.7	080508-153-KW Field Blind Replicate Sample of 080508-152-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt
ABH240	0.8-1	080508-126-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH249	1-1.1	080508-110-KW	08 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
ABH252	0.8-1	120508-228-KW	12 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	nt	
RE1 Recreational																																	
ABH275	0.8-1.2	130508-286-KW	13 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1</											

Concentrations above this action level are shown in **bold** text.

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

Table 20: Soil Analytical Results - PAAH ¹												
Location	Sample Depth (m)	Sample ID	Date Sampled	2,4-DB	Dicamba	2-(2-Methyl-4-chlorophenoxy) propionic acid	2-Methyl-4-chlorophenoxyacetic acid	2,4-DP (Dichloroprop)	2,4-D	Triclopyr	2-(2,4,5-Trichlorophenoxy) propionic acid	2,4,5-T
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP4 Enterprise												
ABH205	0.1-0.2	060508-49-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH206	0.1-0.2	090508-208-KW	09 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH215	0-0.2	060508-36-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH221	0.1-0.25	080508-158-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH2102	0.2-0.3	090508-185-KW	09 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-14-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-15-KW Field Blind Replicate Sample of 060508-14-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH229	0.5-0.8	060508-16-KW Split Field Duplicate of 060508-14-KW	06 May 2008	< 0.04	< 0.04	nt	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
ABH230	0.1-0.2	080508-148-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH237	0-0.2	060508-27-KW	06 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH242	0.5-0.7	080508-145-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH242	0.5-0.7	080508-146-KW Field Blind Replicate Sample of 080508-145-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH251	0-0.1	080508-116-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH253	0-0.1	080508-133-KW	08 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
ABH259	0-0.1	120508-248-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise												
ABH261	0-0.2	120508-244-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH264	0-0.1	120508-232-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
ABH268	0-0.2	120508-275-KW	12 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-304-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH272	0.1-0.5	130508-305-KW Field Blind Replicate Sample of 130508-304-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH275	0-0.2	130508-285-KW	13 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise												
ABH285	0-0.2	150508-389-KW	15 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
ABH288	0-0.2	150508-373-KW	15 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
ABH290	0-0.2	150508-358-KW	15 May 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH423	0.1-0.3	300408-81-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH454	0-0.1	010508-126-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise												
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	< 0.1	< 0.1	nt	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH430	0.1-0.3	300408-106-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
BBH432	0-0.1	010508-160-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise												
BBH441	0-0.2	010508-150-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
BBH445	0.1-0.4	010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-137-KW Field Blind Replicate Sample of 010508-136-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BBH445	0.1-0.4	010508-138-KW Split Field Duplicate Sample of 010508-136-KW	01 May 2008	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
BBH446	0.1-0.2	010508-146-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
SP4 Enterprise												
BBH452	0.1-0.2	300408-96-KW	30 Apr 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
RE1 Recreational												
BBH455	0.1-0.2	010508-120-KW	01 May 2008	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Concentrations above this action level are shown in **bold** text.

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

Table 21: Asbestos Results

Location	Sample Depth	Sample Id	Date Sampled	Material Type	Sample Description	Asbestos ID in material
ABH283	0-0.2	150508-381-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH206	0.1-0.2	090508-208-KW	09 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH207	0.2-0.4	090508-207-KW	09 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH210	0.1-0.2	060508-46-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH212	0.35-0.45	080508-161-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH214	0-0.1	070508-70-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH217	0.0-0.2	060508-43-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH220	0.2-0.3	060508-04-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH221	0.1-0.25	080508-158-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH222	0-0.1	070508-76-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH225	0.0-0.2	060508-33-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH228	0.2-0.3	060508-10-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH231	0-0.3	080508-151-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH232	0-0.2	060508-52-KW	06 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH236	0-0.1	080508-102-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH243	0-0.1	080508-141-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH246	0-0.2	070508-84-KW	07 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH248	0-0.1	080508-105-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH251	0-0.1	080508-116-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH254	0-0.1	080508-136-KW	08 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH257	0-0.2	120508-254-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH265	0-0.1	120508-228-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH271	0-0.2	130508-308-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH274	0.1-0.3	130508-289-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH276	0.05-0.25	130508-282-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH281	0-0.2	130508-302-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH286	0.1-0.3	150508-391-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH287	0-0.4	150508-378-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH291	0.1-0.5	150508-352-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH293	0.4-0.5	130508-328-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH294	0-0.2	150508-367-KW	15 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH296	0-0.2	120508-261-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ABH296	2.6-2.8	120508-263-KW	12 May 2008	FILL	No asbestos detected	Respirable fibres not detected
ALG203	0-0.2	130508-317-KW	13 May 2008	FILL	No asbestos detected	Respirable fibres not detected
Area A1-A	Surface	130508-A1-KW	13 May 2008	MATERIAL	60x80x4mm fibre cement sheet fragm	Chrysotile asbestos detected.
Area A1-B	Surface	120508-A1-KW	12 May 2008	MATERIAL	200g fibre cement sheet fragments	Chrysotile asbestos detected. Amosite asbestos detected. Crocidolite asbestos detected
Area A2	Surface	120508-A2-KW	12 May 2008	MATERIAL	15g fibre cement sheet fragments	Chrysotile asbestos detected
Area A3	Surface	120508-A3-KW	12 May 2008	MATERIAL	15g fibre cement sheet fragments	Chrysotile asbestos detected
BBH407	0.05-0.15	290408-43-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH408	0-0.2	290408-50-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH412	0-0.2	280408-21-KW	29 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH415	0.1-0.3	300408-78-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH428	0.1-0.2	010508-162-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH430	0.1-0.3	300408-106-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH432	0.1-0.2	010508-160-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH435	0.1-0.3	300408-110-KW	19 Jun 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH438	0.2-0.3	290408-72-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH439	0.1-0.2	010508-133-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH442	0.1-0.4	300408-101-KW	30 Apr 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH446	0.1-0.2	010508-146-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH451	0.0-0.1	010508-A1-KW	01 May 2008	FILL	Fibre cement sheet	Chrysotile asbestos detected
BBH452	0.1-0.2	300408-96-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH453	0.2-0.3	300408-92-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH454	0-0.1	010508-126-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BBH455	0.1-0.2	010508-120-KW	01 May 2008	FILL	No asbestos detected	Respirable fibres not detected
BMW401	0.6-0.7	020508-A2-KW	02 May 2008	FILL	Fibre cement sheet	Chrysotile asbestos detected

- = not collected

Table 22: Soil analytical results - POCAS

Parameters	EQL	ABH203(1.9-2.0)	ABH209(1.7-1.9)	ABH210(2.6-2.8)	ABH214(1.8-2.0)	ABH228(1.9-2.2)	ABH230(1.8-2.0)	BH231(1.6-1.8)	ABH238(1.9-2.0)	ABH237(2.3-2.4)	ABH242(1.6-1.7)	ABH255(2.4-2.6)	ABH258(1.6-1.7)	ABH266(2.02.2)	ABH269(2.1-2.2)	ABH270(2.4-2.6)	Action Criteria (1 - 1000 tonnes)			Action Criteria (>1000 tonnes)		
		7-May-08 Sand	7-May-08 Sand	6-May-08 Sand	7-May-08 Sand	6-May-08 Silty sand	8-May-08 Silty sand	8-May-08 Silty sand	7-May-08 Sand	6-May-08 Sand	8-May-08 Sand	8-May-08 Sand	12-May-08 Sand	12-May-08 Silty sand	13-May-08 Silty sand	13-May-08 Silty sand	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays
Field ph (H ₂ O)	0.1	5.5	5.5	5.5	5.5	5.5	6	7	5.5	6	7	6	6	6.5	6.5							
Field ph (H ₂ O ₂)	0.1	1	1	1	5.5	0	5	8	2	0	5	0	3	2	1	0						
TAA (mol H ⁺ /tonne)	5	12	-	<5	-	12	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
TPA (mol H ⁺ /tonne)	5	130	-	5	-	165	-	-	-	-	-	213	-	-	-	-	18	36	62	18	18	18
S-KCl (%)	0.01	0.02	-	0.008	-	0.039	-	-	-	-	-	0.072	-	-	-	-	-	-	-	-	-	-
S-P (%)	0.01	0.33	-	0.053	-	0.48	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-
S-POS (%)	0.01	0.31	-	0.045	-	0.44	-	-	-	-	-	0.51	-	-	-	-	0.03	0.06	0.1	0.03	0.03	0.03
TSA (mol H ⁺ /tonne)	5	118	-	<5.0	-	153	-	-	-	-	-	213	-	-	-	-	-	-	-	-	-	-

Note: Concentrations over action criteria are highlighted and shown in bold text.

Parameters	EQL	ABH222(2.2-2.4)	ABH272(2.4-2.6)	ABH273(2.4-2.6)	ABH274(2.5-2.7)	ABH275(2.6-2.8)	ABH276(2.6-2.8)	ABH277(1.2-1.4)	ABH278(2.6-2.8)	ABH281(2.4-2.6)	ABH286(2.0-2.2)	ABH291(2.6-2.7)	ABH295(2.4-2.6)	ALG202(2.0-2.4)	ALG203(2.2-2.4)	ALG204(2.0-2.4)	Action Criteria (1 - 1000 tonnes)			Action Criteria (>1000 tonnes)		
		13-May-08 Sand	13-May-08 Silty sand	13-May-08 Silty clay	13-May-08 Silty clay	13-May-08 Silty sand	13-May-08 Silty sand	13-May-08 Silty sand	13-May-08 Silty sand	13-May-08 Silty clay	13-May-08 Silty sand	13-May-08 Silty clay	13-May-08 Silty clay	12-May-08 Silty sand	13-May-08 Silty clay	15-May-08 Silty sand	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays
Field ph (H ₂ O)	0.1	7	6	6.5	7	6.5	6.5	6	6.2	6	6.5	6.5	6.5	5	6.5	6.5						
Field ph (H ₂ O ₂)	0.1	6	3	0	1	0	0	4	0	3	3.5	6.5	6	4	6	6.5						
TAA (mol H ⁺ /tonne)	5	-	-	<5	<5	-	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
TPA (mol H ⁺ /tonne)	5	-	-	505	338	-	418	-	240	-	463	-	-	-	-	-	18	36	62	18	18	18
S-KCl (%)	0.01	-	-	0.034	0.031	-	0.058	-	0.038	-	0.036	-	-	-	-	-	-	-	-	-	-	-
S-P (%)	0.01	-	-	1.1	0.81	-	1.2	-	0.68	-	0.72	-	-	-	-	-	-	-	-	-	-	-
S-POS (%)	0.01	-	-	1	0.78	-	1.1	-	0.65	-	0.69	-	-	-	-	-	0.03	0.06	0.1	0.03	0.03	0.03
TSA (mol H ⁺ /tonne)	5	-	-	505	338	-	418	-	240	-	463	-	-	-	-	-	18	36	62	18	18	18

Note: Concentrations over action criteria are highlighted and shown in bold text.

Parameters	EQL	BBH401(2.6-2.8)	BBH403(2.0-2.2)	BBH406(1.8-1.9)	BBH408(2.0-2.2)	BBH411(2.2-2.3)	BBH412(2.2-2.4)	BBH415(2.6-2.8)	BBH421(1.8-2.0)	BBH422(2.6-2.8)	BBH427(2.6-2.8)	BBH440(2.3-2.4)	BBH442(2.6-2.8)	BBH447(2.6-2.8)	BBH453(2.5-2.6)	BBH458(3.8-4.0)	Action Criteria (1 - 1000 tonnes)			Action Criteria (>1000 tonnes)		
		28-Apr-08 Sand	28-Apr-08 Silty sand	29-Apr-08 Sand	29-Apr-08 Sand	29-Apr-08 Sand	28-Apr-08 Sand	30-Apr-08 Silty sand	30-Apr-08 Silty clay	30-Apr-08 Silty sand	29-Apr-08 Clayey silt	1-May-08 Silty clay	30-Apr-08 Silty clay	1-May-08 Silty clay	30-Apr-08 Silt	1-May-08 Silty sand	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays	Sands to loamy sands	Sandy loams to light clays	Medium to heavy clays
Field ph (H ₂ O)	0.1	7.5	6.5	6	6	6	7	6	6.5	6	7	6.5	6	6.5	5.5	6						
Field ph (H ₂ O ₂)	0.1	6.5	1	4.5	5	2	1	4.5	5	6	3	3	3.5	6.5	1.5	1						
TAA (mol H ⁺ /tonne)	5	-	<5	7.5	-	5	<5	-	-	-	<5	<5	-	-	<5	<5	-	-	-	-	-	-
TPA (mol H ⁺ /tonne)	5	-	333	108	-	<5	338	-	-	-	1010	253	-	-	195	1185	18	36	62	18	18	18
S-KCl (%)	0.01	-	0.047	0.016	-	0.009	0.039	-	-	-	0.13	0.024	-	-	0.043	0.13	-	-	-	-	-	-
S-P (%)	0.01	-	0.76	0.22	-	0.12	0.78	-	-	-	3.9	0.52	-	-	0.56	2.5	-	-	-	-	-	-
S-POS (%)	0.01	-	0.71	0.21	-	0.11	0.74	-	-	-	3.7	0.49	-	-	0.52	2.4	0.03	0.06	0.1	0.03	0.03	0.03
TSA (mol H ⁺ /tonne)	5	-	333	100	-	<5	335	-	-	-	1010	253	-	-	198	1188	18	36	62	18	18	18

Note: Concentrations over action criteria are highlighted and shown in bold text.

Table 23: Ground Water Field Parameters and Analytical Results																					
Location	Sample ID	Date Sampled	Standing Water Level	Temperature (field)	Redox (field)	Dissolved Oxygen (field)	pH (field)	Electrical Conductivity (field)	Chloride	Sulphate	Total Dissolved Solids	Resistivity	Salinity	Carbonate Alkalinity as	Bicarbonate Alkalinity as	Total Alkalinity	Calcium (II) Ion	Potassium (I) Ion	Sodium (Na)	Magnesium (II) Ion	Phenols
		Units	mBTOC	deg c	mV	mg/l	pH units	uS/cm	mg/L	mg/l	mg/l	ohm m	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
AMW203	290508-01-LJ	29 May 2008	1.59	20.1	-180	0.18	7.12	9640	3300	360	7500	nt	7	<0.1	630	nt	320	63	2000	220	<0.05
	AMW203	17 Feb 2017	1.48	25.5	-131.7	0.08	4.78	25134	10000	1500	nt	nt	nt	<5	370	370	300	230	7200	660	nt
	QAQC1	17 Feb 2017	1.48	25.5	-131.7	0.08	4.78	25134	9700	1400	nt	nt	nt	<5	370	370	310	240	7300	670	nt
	QAQC2	17 Feb 2017	1.48	25.5	-131.7	0.08	4.78	25134	9440	1110	nt	nt	nt	<1	323	323	437	205	5580	622	nt
ABH2105	290508-02-LJ	29 May 2008	1.59	19	-162	0.23	6.44	1071	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	1.5	24.7	-110.2	0.14	5.02	1013	140	54	nt	nt	nt	<5	270	270	97	8.8	84	16	nt
ABH202	290508-03-LJ	29 May 2008	1.4	21.1	-5	0.25	6.83	1092	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	1.48	25.3	-113.3	0.16	6.57	1658	320	110	nt	nt	nt	<5	270	270	150	10	140	24	nt
AMW205	290508-04-LJ	29 May 2008	0.49	17.6	-246	0.17	7.04	4200	1300	410	3600	nt	3.3	<0.1	540	nt	260	43	760	89	nt
	AMW205	17 Feb 2017	0.41	23.3	220.1	0.12	5.67	3791	880	410	2500	2.6	2500	<5	530	530	230	36	630	66	nt
	290508-05-LJ	29 May 2008	0.41	18.4	-69	0.16	6.22	1082	210	140	800	nt	<1	<0.1	150	nt	81	19	120	24	nt
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	0.41	18.4	-69	0.16	6.22	1082	230	130	900	nt	<1	<0.1	150	nt	78	19	120	24	nt
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	0.41	18.4	-69	0.16	6.22	1082	234	129	726	nt	0.62	<1	153	153	76	20	122	24	nt
AMW202	300508-12-LJ	30 May 2008	0.67	18.9	2	0.22	6.33	8140	3300	390	8600	nt	6.4	<0.1	110	nt	110	68	2100	230	nt
AMW204	290508-08-LJ	29 May 2008	0.72	18.6	-94	0.12	6.41	4150	1100	650	3600	nt	2.9	<0.1	490	nt	230	47	620	110	nt
AMW207	300508-09-LJ	30 May 2008	1.5	18.1	-31	2.13	6.59	1832	8900	1300	16000	nt	15	<0.1	470	nt	600	130	4600	450	nt
AMW206	300508-10-LJ	30 May 2008	0.85	18.7	-100	0.54	6.77	7810	2000	2300	8900	nt	6.2	<0.1	810	nt	610	93	1600	330	nt
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	0.67	18.9	2	0.22	6.33	8140	2100	2400	7600	nt	6.1	<0.1	810	nt	610	92	1500	320	nt
ABH2110	300508-13-LJ	30 May 2008	1.69	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	1.59	22.8	-40	0.21	6.25	7350	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	1.64	25.3	-105.3	0.76	6.59	5263	1400	340	nt	nt	nt	<5	360	360	97	33	960	42	nt
BBH304	180608-06-LJ	18 Jun 2008	0.43	18	-211	-0.23	7.05	6440	1400	1400	5100	1.6	4100	<0.1	590	nt	680	60	1000	110	nt
BMW401	170608-01-LJ	17 Jun 2008	3.96	21.1	85	-0.16	6.3	944	27	110	660	10	610	<0.1	420	nt	160	10	38	22	nt
	BMW401	17 Feb 2017	4.14	22.5	-150.2	0.3	6.54	804	30	3	nt	nt	nt	<5	460	460	110	12	36	14	nt
BMW402	170608-05-LJ	17 Jun 2008	2.13	19.3	-167	-0.25	6.77	2780	330	880	2100	3.6	1800	<0.1	560	nt	370	23	220	71	nt
BMW403	170608-02-LJ	17 Jun 2008	3.48	20.5	-93	0.01	6.77	2460	500	<5	1400	4	1600	<0.1	620	nt	130	25	320	3	nt
	BMW403	17 Feb 2017	3.5	22.4	-185.2	0.35	6.28	1721	320	17	920	6	1100	<5	450	450	82	23	250	24	nt
BMW404	170608-03-LJ	17 Jun 2008	2.38	19.7	-299	-0.33	6.83	15800	5900	830	11000	<1	10000	<0.1	280	nt	170	130	3500	30	nt
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	2.38	19.7	-299	-0.33	6.83	15800	6140	696	11000	62	9350	nt	nt	272	163	130	3160	336	nt
	BMW404	17 Feb 2017	2.24	22.4	-313.9	0.14	6.92	14142	5300	350	nt	nt	nt	<5	320	320	230	120	3500	300	nt
Limit of Reporting			0.01	0.1	1	0.01	0.01	0.1	0.1	1	10	1	1	0.1	1	1	1	1	1	1	0.05
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400

nt = not analysed

-- = Action Level not established

BR = blind replicate

SPD = split duplicate

Table 24: Groundwater Analytical Results - Dissolved metals

Location	Sample ID	Date Sampled	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
AMW203	290508-01-LJ-	29 May 2008	9.5	0.2	<1	3.9	<1	<0.5	5.9	<1
	AMW203	17 Feb 2017	32	<0.1	<1	<1	<1	<0.05	<1	<1
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	32	<0.1	<1	<1	<1	<0.05	<1	<1
	QAQC2 Field split replicate of AMW204	17 Feb 2017	22	<0.1	<1	<1	<1	<0.1	<1	<5
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	<1	nt	nt	nt
	ABH2105	17 Feb 2017	4	<0.1	<1	<1	<1	<0.05	<1	5
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	<1	nt	nt	nt
	ABH202	17 Feb 2017	9	<0.1	6	1	<1	<0.05	83	14
AMW205	290508-04-LJ	29 May 2008	5.6	<0.1	2.7	2.1	<1	<0.5	2.6	1.2
	AMW205	17 Feb 2017	4	<0.1	1	<1	<1	<0.05	2	<1
AMW201	290508-05-LJ	29 May 2008	11	<0.1	<1	<1	<1	<0.5	1.1	<1
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	11	<0.1	1.1	<1	<1	<0.5	1	<1
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	10	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.5
AMW202	300508-12-LJ	30 May 2008	4.9	0.1	1.6	<1	<1	<0.5	<1	<1
AMW204	290508-08-LJ	29 May 2008	6.1	0.3	5.3	<1	<1	<0.5	4.4	5.9
AMW207	300508-09-LJ	30 May 2008	14	0.2	11	<1	<1	<0.5	64	82
AMW206	300508-10-LJ	30 May 2008	5.7	0.2	1.5	<1	<1	<0.5	11	5.9
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	5.5	0.1	1.5	<1	<1	<0.5	11	5.7
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	<1	nt	nt	nt
	ABH2100	17 Feb 2017	14	0.4	4	3	7	<0.05	17	8
BBH304	180608-06-LJ	18 Jun 2008	4.9	<0.1	2.5	2.1	<1	<0.5	1.7	1.5
BMW401	170608-01-LJ	17 Jun 2008	2.2	<0.1	<1	1.8	<1	<0.5	<1	6.3
	BMW401	17 Feb 2017	14	<0.1	<1	3	<1	<0.05	<1	4
BMW402	170608-05-LJ	17 Jun 2008	5.6	<0.1	<1	<1	<1	<0.5	1.7	3.1
BMW403	170608-02-LJ	17 Jun 2008	4.9	<0.1	2	<1	<1	<0.5	3.1	<1
	BMW403	17 Feb 2017	3	<0.1	<1	1	<1	<0.05	1	1
BMW404	170608-03-LJ	17 Jun 2008	1.6	0.2	23	6.6	<1	<0.5	2.5	4.1
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	<1	<0.01	24	2	4	<1	6	<0.1
	BMW404	17 Feb 2017	8	<0.1	3	<1	<1	<0.05	1	1
Limit of Reporting			1	0.1	1	1	1	0.1	1	5
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	0.7	-	1.3	4.4	0.1	7	8

Note 1: ANZG 2018 Marine 95% (Concentrations above this action level are shown in **bold** text.)

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 25: Groundwater Analytical Results - TPH and BTEX

Location	Sample ID	Date Sampled	TPH C6 - C9	TPH C6 - C10	TPH C6 - C10 less BTEX (F1)	TPH C10 - C14	TPH C15 - C28	TPH C29 - C36	TRH >C10 - C16	TRH >C10 - C16 less Naphthalene (F2)	TRH >C16 - C34	TRH >C34 - C40	Benzene	Toluene	Ethylbenzene	meta- & para-Xylene	ortho-Xylene	Napthalene
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
AMW203	290508-01-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	AMW203	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<20	<20	<20	<50	<100	<50	<100	<100	<100	<100	<1	<2	<2	<2	<2	<5
ABH2105	290508-02-LJ	29 May 2008	650	nt	nt	550	<100	<100	nt	nt	nt	nt	190	70	60	150	30	nt
	ABH2105	17 Feb 2017	260	260	54	<50	<100	<100	<50	<50	<100	<100	200	2	<1	<2	<1	<1
ABH202	290508-03-LJ	29 May 2008	72	nt	nt	<50	<100	<100	nt	nt	nt	nt	3.8	<1	1	18	8	nt
	ABH202	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
AMW205	290508-04-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	AMW205	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
AMW201	290508-05-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	<20	nt	nt	<50	<100	<50	nt	nt	nt	nt	<1	<5	<2	<2	<2	nt
AMW204	290508-08-LJ	29 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
AMW207	300508-09-LJ	30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
AMW206	300508-10-LJ	30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
AMW202	300508-12-LJ	30 May 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
ABH2110	300508-13-LJ	30 May 2008	<10	nt	nt	nt	nt	nt	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
ABH2100	300508-14-LJ	30 May 2008	<10	nt	nt	nt	nt	nt	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	ABH2100	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
BBH304	180608-06-LJ	18 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
BMW401	170608-01-LJ	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	BMW401	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
BMW402	170608-05-LJ	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
BMW403	170608-02-LJ	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<1	<1	<2	<1	nt
	BMW403	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
BMW404	170608-03-LJ	17 Jun 2008	<10	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	1.5	<1	<2	<1	nt
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	<20	nt	nt	<50	<100	<100	nt	nt	nt	nt	<1	<5	<2	<2	<2	nt
	BMW404	17 Feb 2017	<10	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<2	<1	<1
Limit of Reporting			10	10	10	50	100	100	50	50	100	100	1	1	1	1	1	1
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	-	-	-	-	-	-	-	-	-	500	-	-	-	-	50
NEPM (2013) Health Screening Levels (HSLs) - HSL C - Sand, 2m-<4m.			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (2013) Health Screening Levels (HSLs) - HSL D - Sand, 2m-<4m.			-	-	600	-	-	-	-	-	-	-	500	-	-	-	-	-

Concentrations above this action level are shown in **bold** text

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 26 : Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons

Location	Sample ID	Date Sampled	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b+h)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
AMW203	290508-01-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	AMW203	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
AMW205	290508-04-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	AMW205	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
AMW201	290508-05-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1
AMW202	300508-12-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
AMW204	290508-08-LJ	29 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
AMW207	300508-09-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
AMW206	300508-10-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
BBH304	180608-06-LJ	18 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
BMW401	170608-01-LJ	17 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	BMW401	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
BMW402	170608-05-LJ	17 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
BMW403	170608-02-LJ	17 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	BMW403	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
	170608-03-LJ	17 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
BMW404	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1
	BMW404	17 Feb 2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1
Limit of Reporting			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Concentrations above this action level are shown in **bold** text

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 27: Ground Water Analytical Results - Nutrients

Location	Sample ID	Date Sampled	Ammonia as N	Total Nitrogen	Total Phosphorous
		Units	mg/L	mg/L	mg/L
AMW203	290508-01-LJ	29 May 2008	4.1	5	0.87
	AMW203	17 Feb 2017	1.1	1.4	nt
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	1.1	1.3	nt
	QAQC2 Field split replicate of AMW204	17 Feb 2017	0.96	1.5	0.62
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt
	ABH2105	17 Feb 2017	3	4.1	nt
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt
	ABH202	17 Feb 2017	0.73	1.8	nt
AMW205	290508-04-LJ	29 May 2008	2.4	5.1	0.81
	AMW205	17 Feb 2017	1	2.2	nt
AMW201	290508-05-LJ	29 May 2008	2	3.4	1.3
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	2.1	3.4	1.1
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	0.971	2.7	2.7
AMW202	300508-12-LJ	30 May 2008	1.9	2.7	<0.05
AMW204	290508-08-LJ	29 May 2008	7.2	6	0.28
AMW207	300508-09-LJ	30 May 2008	5.1	7.8	0.24
AMW206	300508-10-LJ	30 May 2008	3.1	7	1.1
AMW206	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	3.1	6.9	1.3
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt
	ABH2100	17 Feb 2017	0.29	1.2	nt
BBH304	180608-06-LJ	18 Jun 2008	2.9	5.3	0.63
BMW401	170608-01-LJ	17 Jun 2008	<0.1	9.5	0.06
	BMW401	17 Feb 2017	0.92	1.2	nt
BMW402	170608-05-LJ	17 Jun 2008	3	4.3	0.18
BMW403	170608-02-LJ	17 Jun 2008	14	21	0.19
	BMW403	17 Feb 2017	8	9.2	nt
BMW404	170608-03-LJ	17 Jun 2008	4.4	5.6	1
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	4.69	7	0.76
	BMW404	17 Feb 2017	1.7	2.8	nt
Limit of Reporting			0.01	0.01	0.01
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			0.91	-	-

Concentrations above this action level are shown in **bold** text

nt = Not Tested

-- = Action Level not established

BR: Blind replicate

SPD: Split duplicate

Table 29: Groundwater Analytical Results - OCP																						
Location	Sample ID	Date Sampled	HCB	alpha-BHC	gamma-BHC	beta-BHC	Heptachlor	delta-BHC	Aldrin	Heptachlor Epoxide	gamma-Chlordane	alpha-Chlordane	Endosulfan I	pp-DDE	Dieldrin	Endrin	pp-DDD	Endosulfan II	DDT	Endrin Aldehyde	Endosulfan Sulphate	Methoxychlor
			Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW203	290508-01-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nt	nt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW205	290508-04-LJ	29 May 2008	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	AMW205	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW201	290508-05-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<2
	300508-12-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW202	290508-08-LJ	29 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW207	300508-09-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW206	300508-10-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BBH304	180608-06-LJ	18 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW401	170608-01-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	BMW401	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW402	170608-05-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW403	170608-02-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	BMW403	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW404	170608-03-LJ	17 Jun 2008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<2
	BMW404	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	Limit of Reporting		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	-	-	-	-	-	-	-	-	-	0.005	-	-	0.004	-	-	-	-	-	-

Concentrations above this action level are shown in **bold** text

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 30: Groundwater Analytical Results - OPP														
Location	Sample ID	Date Sampled	Azinphos-methyl (Guthion)	Bromophos ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Dichlorovos	Dimethoate	Ethion	Fenitrothion	Malathion	Parathion	Romnel
			Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW203	290508-01-LJ	29 May 2008		<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	QAQC2 Field split replicate of AMW204	17 Feb 2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW205	290508-04-LJ	29 May 2008	nt	<2	<2	<2	<2	nt	<2	<2	<2	nt	nt	<2
	AMW205	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AMW201	290508-05-LJ	29 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	<0.5	<0.5	<0.5	<0.5	nt	<0.5	<0.5	nt	nt	nt	nt
AMW204	290508-08-LJ	29 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
AMW207	300508-09-LJ	30 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
AMW206	300508-10-LJ	30 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
AMW202	300508-12-LJ	30 May 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BBH304	180608-06-LJ	18 Jun 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
BMW401	170608-01-LJ	17 Jun 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	BMW401	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW402	170608-05-LJ	17 Jun 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
BMW403	170608-02-LJ	17 Jun 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	BMW403	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BMW404	170608-03-LJ	17 Jun 2008	nt	<0.2	<0.2	<0.2	<0.2	nt	<0.2	<0.2	<0.2	nt	nt	<0.2
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	nt	<0.5	<0.5	<0.5	<0.5	nt	<0.5	<0.5	<0.5	nt	nt	nt
	BMW404	17 Feb 2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Limit of Reporting			-	0.2	0.2	0.2	0.2	-	0.2	0.2	0.2	-	-	0.2
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	-	0.009	-	-	-	-	-	-	-	-	

Concentrations above this action level are shown in **bold** text

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 31: Groundwater Analytical Results - PCB

Location	Sample ID	Date Sampled	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Total PCB
			Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW203	290508-01-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
	AMW203	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
	QAQC1 Field blind replicate of AMW203	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
	QAQC2 Field split replicate of AMW204	17 Feb 2017	nt	nt	nt	nt	nt	nt	nt	nt
ABH2105	290508-02-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2105	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
ABH202	290508-03-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
	ABH202	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
AMW205	290508-04-LJ	29 May 2008	<20	nt	<20	<20	<20	<20	<20	<20
	AMW205	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
AMW201	290508-05-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW201	290508-06-LJ Field blind replicate of 290508-05-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW201	290508-07-LJ Field split replicate of 290508-05-LJ	29 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
AMW204	290508-08-LJ	29 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW207	300508-09-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW206	300508-10-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW206	300508-11-LJ Field blind replicate of 300508-10-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
AMW202	300508-12-LJ	30 May 2008	<2	nt	<2	<2	<2	<2	<2	<2
ABH2110	300508-13-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
ABH2100	300508-14-LJ	30 May 2008	nt	nt	nt	nt	nt	nt	nt	nt
	ABH2100	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
BBH304	180608-06-LJ	18 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
BMW401	170608-01-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
	BMW401	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
BMW402	170608-05-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
BMW403	170608-02-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
	BMW403	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
BMW404	170608-03-LJ	17 Jun 2008	<2	nt	<2	<2	<2	<2	<2	<2
	170608-04-LJ Field Blind Replicate of 170608-03-LJ	17 Jun 2008	-	nt	-	-	-	-	-	nt
	BMW404	17 Feb 2017	<2	<2	<2	<2	<2	<2	<2	<2
Limit of Reporting			2	2	2	2	2	2	2	1
NEPM (2013) Groundwater Investigation Levels (GILs) - Marine Waters			-	-	-	-	-	-	-	-

Concentrations above this action level are shown in **bold** text

<### Represents results below the laboratory Practical Quantitation Limit.

nt = Not Tested

-- = Action Level not established

BR = blind replicate

Table 32: Sub-surface Gas Monitoring Results														
Well ID	Ambient reading (ppm)	Initial well pressure above atmospheric (kPa)	Initial vent	Flow Rate L/hr	Initial well concentrations			Maximum vacuum on well (psi)	Recovery time (min)	Total volume purged (L)	Time vented (Minutes)	Well concentrations following purging		
					CH ₄	CO ₂	O ₂					CH ₄	CO ₂	O ₂
					(%)	(%)	(%)					(%)	(%)	(%)
ALG201	0	0	Nil	0	0.3	8.4	14.9	Unable to purge as groundwater was sucked into the vacuum tank during monitoring						
ALG202	0	0	Nil	0	0.2	2.6	18.4	-20	2	40	-	0.2	0.2	20.8
ALG203	0	0	Nil	0	0.1	0.3	20.0	-20	1	40	-	0.2	0.2	20.8
ALG204	0	0	Nil	0	0.2	10.2	4.0	Unable to purge as groundwater was sucked into the vacuum tank during monitoring						
ALG205	0	0	Nil	0	0.2	3.5	14.3	-20	1	40	-	0.2	3.7	13.6
ALG206	0	0	Nil	0	0.1	0.9	18.6	Unable to purge as groundwater was sucked into the vacuum tank during monitoring						
BLG401	0	0	Nil	0	0.1	2.7	18.6	-20	1	50	-	0.1	11.9	6.1
BLG402	0	0	Nil	0	0.2	0.4	20.3	-20	1	50	-	0.2	0.2	20.8
BLG403	0	0	Nil	0	0.2	1.5	19.7	-20	1	40	-	0.1	1.4	19.4
BLG404	0	0	Nil	0	0.1	1.2	19.4	-20	1	40	-	0.1	1.2	19.5

BOLD Represents detection levels above the NSW EPA (2016) detection limit of 1.0% v/v in subsurface gas monitoring wells