

QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-61	31/01/2011 31/01/2011	LCS-7	31/01/2011
Date analysed	-	51110-61	03/02/2011 03/02/2011	LCS-7	03/02/2011
pH 1:5 soil:water	pH Units	51110-61	5.9 5.9 RPD: 0	LCS-7	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51110-61	370 340 RPD: 8	LCS-7	104%
Chloride, Cl 1:5 soil:water	mg/kg	51110-61	360 [N/T]	LCS-7	105%
Sulphate, SO4 1:5 soil:water	mg/kg	51110-61	220 [N/T]	LCS-7	110%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-71	31/01/2011 31/01/2011	LCS-8	31/01/2011
Date analysed	-	51110-71	03/02/2011 03/02/2011	LCS-8	03/02/2011
pH 1:5 soil:water	pH Units	51110-71	6.2 6.2 RPD: 0	LCS-8	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51110-71	69 87 RPD: 23	LCS-8	104%
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	[NR]	[NR]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-81	31/01/2011 31/01/2011	LCS-9	31/01/2011
Date analysed	-	51110-81	03/02/2011 03/02/2011	LCS-9	03/02/2011
pH 1:5 soil:water	pH Units	51110-81	5.7 5.6 RPD: 2	LCS-9	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51110-81	120 190 RPD: 45	LCS-9	104%
Chloride, Cl 1:5 soil:water	mg/kg	51110-81	86 100 RPD: 15	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	51110-81	35 39 RPD: 11	[NR]	[NR]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-91	31/01/2011 31/01/2011	LCS-10	31/01/2011
Date analysed	-	51110-91	03/02/2011 03/02/2011	LCS-10	03/02/2011
pH 1:5 soil:water	pH Units	51110-91	5.5 5.8 RPD: 5	LCS-10	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51110-91	1200 1200 RPD: 0	LCS-10	104%
Chloride, Cl 1:5 soil:water	mg/kg	51110-91	2087 2100 RPD: 1	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	51110-91	210 230 RPD: 9	[NR]	[NR]

Client Reference: 40740.99, SMP

QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-101	31/01/2011 31/01/2011	51110-4	31/01/2011
Date analysed	-	51110-101	03/02/2011 03/02/2011	51110-4	03/02/2011
pH 1:5 soil:water	pH Units	51110-101	7.8 7.8 RPD: 0	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51110-101	1100 1000 RPD: 10	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	51110-4	90%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-121	31/01/2011 31/01/2011	51110-44	31/01/2011
Date analysed	-	51110-121	03/02/2011 03/02/2011	51110-44	03/02/2011
pH 1:5 soil:water	pH Units	51110-121	7.3 7.2 RPD: 1	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51110-121	72 73 RPD: 1	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	51110-44	101%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	51110-44	115%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-131	31/01/2011 31/01/2011	51110-89	31/01/2011
Date analysed	-	51110-131	03/02/2011 03/02/2011	51110-89	03/02/2011
pH 1:5 soil:water	pH Units	51110-131	6.0 5.9 RPD: 2	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51110-131	55 52 RPD: 6	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	51110-131	<20 [N/T]	51110-89	100%
Sulphate, SO4 1:5 soil:water	mg/kg	51110-131	<20 [N/T]	51110-89	108%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-141	31/01/2011 31/01/2011	51110-131	31/01/2011
Date analysed	-	51110-141	03/02/2011 03/02/2011	51110-131	03/02/2011
pH 1:5 soil:water	pH Units	51110-141	6.4 6.8 RPD: 6	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51110-141	150 120 RPD: 22	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	51110-141	74 [N/T]	51110-131	120%
Sulphate, SO4 1:5 soil:water	mg/kg	51110-141	48 [N/T]	51110-131	130%

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QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51110-151	31/01/2011 31/01/2011	51110-176	31/01/2011
Date analysed	-	51110-151	03/02/2011 03/02/2011	51110-176	03/02/2011
pH 1:5 soil:water	pH Units	51110-151	6.9 6.8 RPD: 1	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51110-151	770 680 RPD: 12	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	51110-176	123%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	51110-176	114%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Date prepared	-	51110-161	31/01/2011 31/01/2011		
Date analysed	-	51110-161	03/02/2011 03/02/2011		
pH 1:5 soil:water	pH Units	51110-161	5.0 5.0 RPD: 0		
Electrical Conductivity 1:5 soil:water	µS/cm	51110-161	270 300 RPD: 11		
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]		
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]		
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Date prepared	-	51110-181	31/01/2011 31/01/2011		
Date analysed	-	51110-181	03/02/2011 03/02/2011		
pH 1:5 soil:water	pH Units	51110-181	6.8 6.8 RPD: 0		
Electrical Conductivity 1:5 soil:water	µS/cm	51110-181	180 150 RPD: 18		
Chloride, Cl 1:5 soil:water	mg/kg	51110-181	<2.0 <2.0		
Sulphate, SO4 1:5 soil:water	mg/kg	51110-181	130 130 RPD: 0		
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Date prepared	-	51110-171	31/01/2011 31/01/2011		
Date analysed	-	51110-171	03/02/2011 03/02/2011		
pH 1:5 soil:water	pH Units	51110-171	6.1 6.2 RPD: 2		
Electrical Conductivity 1:5 soil:water	µS/cm	51110-171	54 69 RPD: 24		
Chloride, Cl 1:5 soil:water	mg/kg	51110-171	<20 [N/T]		
Sulphate, SO4 1:5 soil:water	mg/kg	51110-171	<20 [N/T]		

QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51110-181	31/01/2011 31/01/2011
Date analysed	-	51110-181	03/02/2011 03/02/2011
pH 1:5 soil:water	pH Units	51110-181	6.8 6.8 RPD: 0
Electrical Conductivity 1:5 soil:water	µS/cm	51110-181	180 150 RPD: 18
Chloride, Cl 1:5 soil:water	mg/kg	51110-181	<2.0 <2.0
Sulphate, SO4 1:5 soil:water	mg/kg	51110-181	130 130 RPD: 0
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51110-111	31/01/2011 31/01/2011
Date analysed	-	51110-111	03/02/2011 03/02/2011
pH 1:5 soil:water	pH Units	51110-111	7.5 7.9 RPD: 5
Electrical Conductivity 1:5 soil:water	µS/cm	51110-111	1300 1500 RPD: 14
Chloride, Cl 1:5 soil:water	mg/kg	51110-111	2100 2300 RPD: 9
Sulphate, SO4 1:5 soil:water	mg/kg	51110-111	240 250 RPD: 4

Report Comments:

Chloride\Sulphate:PQL raised due to sample matrix.

Sample #4: # Percent recovery not available due to sample matrix.

Revised report Conductivity for sample 67: initially reported 620, revised result 86us\cm

Sample 89 Chloride\ Sulphate initial result 330\55. revised 33\5.5mg\kg

Sample 164 Chloride\Sulphate initial result 6000\3300. revised 640\330mg\kg

Sample 176 Chloride initial result 62mg\kg, revised 620mg\kg

sample 181 Chloride\Sulphate result <20,dup <20\1300,dup 1300

revised <PQL,DUP<PQL\130, DUP 130 mg\kg

Asbestos ID was analysed by Approved Identifier:

Not applicable for this job

Asbestos ID was authorised by Approved Signatory:

Not applicable for this job

INS: Insufficient sample for this test

PQL: Practical Quantitation Limit

NT: Not tested

NA: Test not required

RPD: Relative Percent Difference

NA: Test not required

<: Less than

>: Greater than

LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

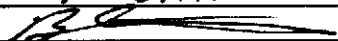
Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batched of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable.

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
38/0.2	1	27/01/2011	S	G	x	x	x	x					
38/0.5	2	27/01/2011	S	G	x	x							
26/0.2	3	27/01/2011	S	G	x	x							
26/0.5	4	27/01/2011	S	G	x	x	x	x					
26/1.0	5	27/01/2011	S	G	x	x							
26/1.5	6	27/01/2011	S	G	x	x	x	x	x				
26/2.0	7	27/01/2011	S	G	x	x							
26/2.5	8	27/01/2011	S	G	x	x	x	x	x				
26/3.0	9	27/01/2011	S	G	x	x							
35/0.2	10	27/01/2011	S	G	x	x							
35/0.5	11	27/01/2011	S	G	x	x	x	x					
11/0.2	12	27/01/2011	S	G	x	x	x	x					
11/0.5	13	27/01/2011	S	G	x	x							

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11 11:30am	Received by: WFP 28/1/11 Spm	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 51110
Date received: 28/1/11
Time received: 5pm
Received by: WFP
Temp: Cool/Dry
Corking: leg/ziplock
Security: bagged/sealed

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
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Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity	0	0	0	0	0	
1/1.0	14	27/01/2011	S	G	x	x	x	x	x						
1/1.5	15	27/01/2011	S	G	x	x									
1/2.0	16	27/01/2011	S	G	x	x	x	x							
1/2.5	17	27/01/2011	S	G	x	x									
1/3.0	18	27/01/2011	S	G	x	x	x	x							
8/0.2	19	27/01/2011	S	G	x	x									
8/0.5	20	27/01/2011	S	G	x	x	x	x	x						
8/1.0	21	27/01/2011	S	G	x	x									
8/1.5	22	27/01/2011	S	G	x	x	x	x							
8/2.0	23	27/01/2011	S	G	x	x									
8/2.5	24	27/01/2011	S	G	x	x	x	x							
8/3.0	25	27/01/2011	S	G	x	x	x	x	x						
9/0.5	26	27/01/2011	S	G	x	x	x	x							

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Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by:  28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
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Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
9/1.0	27	/01/2011	S	G	x	x							
9/1.5	28	/01/2011	S	G	x	x	x	x					
9/2.0	28	/01/2011	S	G	x	x							
9/2.5	30	/01/2011	S	G	x	x							
9/3.0	31	/01/2011	S	G	x	x	x	x					
10/0.2	32	/01/2011	S	G	x	x							
10/0.5	33	/01/2011	S	G	x	x	x	x					
10/1.0	34	/01/2011	S	G	x	x							
10/1.5	35	/01/2011	S	G	x	x	x	x	x				
10/2.0	36	/01/2011	S	G	x	x							
10/2.5	37	/01/2011	S	G	x	x	x	x					
10/3.0	38	/01/2011	S	G	x	x	x	x					
29/0.2	39	/01/2011	S	G	x	x							

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Relinquished by:					Transported to laboratory by:				
Signed:			Date & Time:			Received by: MP 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
29/0.5	40	27/01/2011	S	G	x	x	x	x	x						
29/1.0	41	27/01/2011	S	G	x	x									
29/1.5	42	27/01/2011	S	G	x	x	x	x							
29/2.0	43	27/01/2011	S	G	x	x									
29/2.5	44	27/01/2011	S	G	x	x	x	x							
29/3.0	45	27/01/2011	S	G	x	x									
31/0.2	46	27/01/2011	S	G	x	x	x	x	x						
31/0.5	47	27/01/2011	S	G	x	x									
30/0.2	48	27/01/2011	S	G	x	x									
30/0.5	49	27/01/2011	S	G	x	x	x	x	x						
30/1.0	50	27/01/2011	S	G	x	x	x	x							
30/1.5	51	27/01/2011	S	G	x	x	x	x							
30/2.0	52	27/01/2011	S	G	x	x									

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Relinquished by: BAH		Transported to laboratory by:							
Signed: 		Date & Time: 28-1-11				Received by: MJP 28/1/11 SPM			

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Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
30/2.4	53	27/01/2011	S	G	x	x							
34/0.2	54	27/01/2011	S	G	x	x	x	x	x				
34/0.5	55	27/01/2011	S	G	x	x							
33/0.2	56	27/01/2011	S	G	x	x							
33/0.5	57	27/01/2011	S	G	x	x	x	x	x				
36/0.2	58	27/01/2011	S	G	x	x	x	x	x				
36/0.5	59	27/01/2011	S	G	x	x							
28/0.2	60	27/01/2011	S	G	x	x							
28/0.5	61	27/01/2011	S	G	x	x	x	x					
28/1.0	62	27/01/2011	S	G	x	x							
28/1.5	63	27/01/2011	S	G	x	x	x	x					
28/2.0	64	27/01/2011	S	G	x	x							
28/2.5	65	27/01/2011	S	G	x	x	x	x	x				

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Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: MP 28/1/11 Spm	

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity	O	O	O	O	O	
28/3.0	66	27/01/2011	S	G	x	x									
39/0.2	67	27/01/2011	S	G	x	x	x	x	x						
29/0.5	68	27/01/2011	S	G	x	x									
32/0.2	69	27/01/2011	S	G	x	x									
32/0.5	70	27/01/2011	S	G	x	x	x	x	x						
27/0.2	71	27/01/2011	S	G	x	x									
27/0.5	72	27/01/2011	S	G	x	x	x	x							
27/1.0	73	27/01/2011	S	G	x	x									
27/1.5	74	27/01/2011	S	G	x	x	x	x	x						
27/2.0	75	27/01/2011	S	G	x	x									
27/2.5	76	27/01/2011	S	G	x	x	x	x							
27/3.0	77	27/01/2011	S	G	x	x									
79/0.2	78	27/01/2011	S	G	x	x	x	x	x						

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Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: MP 28/1/11 Spm	

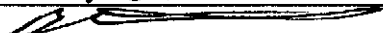
Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
74/0.5	79	27/01/2011	S	G	x	x							
7/0.2	80	27/01/2011	S	G	x	x							
7/0.5	81	27/01/2011	S	G	x	x	x	x					
7/1.0	82	27/01/2011	S	G	x	x							
7/1.5	83	27/01/2011	S	G	x	x	x	x	x				
7/2.0	84	27/01/2011	S	G	x	x							
7/2.5 7/0.2 85	85	27/01/2011	S	G	x	x							
7/3.0 7/0.5 86	86	27/01/2011	S	G	x	x	x	x					
82/0.2	87	27/01/2011	S	G	x	x	x	x	x				
82/0.5	88	27/01/2011	S	G	x	x							
6/0.2	89	27/01/2011	S	G	x	x	x	x					
6/0.5	90	27/01/2011	S	G	x	x							
6/1.0	91	27/01/2011	S	G	x	x	x	x					

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: mp 28/1/11 Spm	

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity	O	O	O	O	O	
6/1.5	92	27/01/2011	S	G	x	x									
6/2.0	93	27/01/2011	S	G	x	x	x	x	x						
6/2.5	94	27/01/2011	S	G	x	x									
6/3.0	95	27/01/2011	S	G	x	x	x	x							
83/0.2	96	27/01/2011	S	G	x	x									
83/0.5	97	27/01/2011	S	G	x	x	x	x	x						
1/0.2	98	27/01/2011	S	G	x	x	x	x							
1/0.5	99	27/01/2011	S	G	x	x									
1/1.0	100	27/01/2011	S	G	x	x	x	x	x						
1/1.5	101	27/01/2011	S	G	x	x									
1/2.0	102	27/01/2011	S	G	x	x									
1/2.5	103	27/01/2011	S	G	x	x	x	x							
1/3.0	104	27/01/2011	S	G	x	x									

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH					Transported to laboratory by:				
Signed: 					Date & Time: 28-1-11				
					Received by:  28/1/11 Spm				

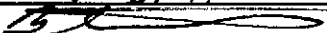
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Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
90/0.2	105	27/01/2011	S	G	x	x	x	x	x				
90/0.5	106	27/01/2011	S	G	x	x							
84/0.2	107	27/01/2011	S	G	x	x							
84/0.5	108	27/01/2011	S	G	x	x	x	x	x				
22/0.2	109	27/01/2011	S	G	x	x	x	x					
22/0.5	110	27/01/2011	S	G	x	x							
22/1.0	111	27/01/2011	S	G	x	x	x	x					
22/1.5	112	27/01/2011	S	G	x	x							
22/2.0	113	27/01/2011	S	G	x	x	x	x	x				
22/2.5	114	27/01/2011	S	G	x	x							
22/3.0	115	27/01/2011	S	G	x	x							
42/0.2	116	27/01/2011	S	G	x	x	x	x	x				
42/0.5	117	27/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WWP 28/1/11 Spm			

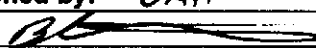
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Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
43/0.2	118	27/01/2011	S	G	x	x									
43/0.5	119	27/01/2011	S	G	x	x	x	x	x						
37/0.2	120	25/01/2011	S	G	x	x	x	x	x						
37/0.5	121	25/01/2011	S	G	x	x									
78/0.2	122	25/01/2011	S	G	x	x	x	x	x						
78/0.5	123	25/01/2011	S	G	x	x									
5/0.2	124	25/01/2011	S	G	x	x	x	x							
5/0.5	125	25/01/2011	S	G	x	x	x	x							
5/1.0	126	25/01/2011	S	G	x	x	x	x							
5/1.5	127	25/01/2011	S	G	x	x									
5/2.0	128	25/01/2011	S	G	x	x	x	x							
5/2.5	129	25/01/2011	S	G	x	x									
5/3.0	130	25/01/2011	S	G	x	x	x	x	x						

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Relinquished by: BAH					Transported to laboratory by:				
Signed: 					Date & Time: 28-1-11		Received by:  28/1/11 		

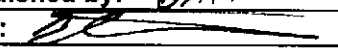
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Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
14/0.2	131	25/01/2011	S	G	x	x	y	x					
14/0.5	132	25/01/2011	S	G	x	x							
14/1.0	133	25/01/2011	S	G	x	x	x	x					
14/1.5	134	25/01/2011	S	G	x	x							
14/2.0	135	25/01/2011	S	G	x	x	x	x	x				
14/2.5	136	25/01/2011	S	G	x	x							
14/3.0	137	25/01/2011	S	G	x	x							
59/0.2	138	25/01/2011	S	G	x	x	x	x	x				
59/0.5	139	25/01/2011	S	G	x	x							
16/0.2	140	25/01/2011	S	G	x	x							
16/0.5	141	25/01/2011	S	G	x	x	x	x					
16/1.0	142	25/01/2011	S	G	x	x							
16/1.5	143	25/01/2011	S	G	x	x	x	x	x				

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Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by:  28/1/11 			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
16/2.0	144	25/01/2011	S	G	x	x									
16/2.5	145	25/01/2011	S	G	x	x	x	x	x						
16/3.0	146	25/01/2011	S	G	x	x									
15/0.2	147	25/01/2011	S	G	x	x									
15/0.5	148	25/01/2011	S	G	x	x	x	x							
15/1.0	149	25/01/2011	S	G	x	x									
15/1.5	150	25/01/2011	S	G	x	x	x	x	x						
15/2.0	151	25/01/2011	S	G	x	x									
15/2.5	152	25/01/2011	S	G	x	x	x	x							
15/3.0	153	25/01/2011	S	G	x	x									
61/0.2	154	25/01/2011	S	G	x	x	x	x	x						
61/0.5	155	25/01/2011	S	G	x	x									
62/0.2	156	25/01/2011	S	G	x	x									

Lab Report No:					
Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH			Transported to laboratory by:		
Signed: 		Date & Time: 28-1-11		Received by: mp 28/1/11 Spm	

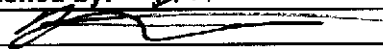
Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
62/0.5	157	25/01/2011	S	G	x	x	x	x	x				
66/0.2	158	25/01/2011	S	G	x	x	x	x	x				
66/0.5	159	25/01/2011	S	G	x	x							
70/0.2	160	25/01/2011	S	G	x	x	x	x	x				
70/0.5	161	25/01/2011	S	G	x	x	x	x					
12/0.2	162	25/01/2011	S	G	x	x	x	x					
12/0.5	163	25/01/2011	S	G	x	x							
12/1.0	164	25/01/2011	S	G	x	x	x	x	x				
12/1.5	165	25/01/2011	S	G	x	x							
12/2.0	166	25/01/2011	S	G	x	x	x	x					
12/2.5	167	25/01/2011	S	G	x	x							
12/3.0	168	25/01/2011	S	G	x	x	x	x					
73/0.2	169	25/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WMP 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
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Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
73/0.5	170	25/01/2011	S	G	x	x	x	x	x				
75/0.2	171	25/01/2011	S	G	x	x	x	x	x				
75/0.5	172	25/01/2011	S	G	x	x							
80/0.2	173	25/01/2011	S	G	x	x	x	x	x				
80/0.5	174	25/01/2011	S	G	x	x							
87/0.2	175	25/01/2011	S	G	x	x							
87/0.5	176	25/01/2011	S	G	x	x	x	x	x				
85/0.2	177	25/01/2011	S	G	x	x	x	x	x				
85/0.5	178	25/01/2011	S	G	x	x							
88/0.2	179	25/01/2011	S	G	x	x							
88/0.5	180	25/01/2011	S	G	x	x	x	x	x				
89/0.2	181	25/01/2011	S	G	x	x	x	x	x				
89/0.5	182	25/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: hmp 28/1/11 Spm			



EnviroLab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 51111

Client:

Douglas Partners Pty Ltd Smeaton Grange
Unit 5/50 Topham Rd
Smeaton Grange
NSW 2567

Attention: Chris Kline

Sample log in details:

Your Reference:	<u>40740.99, SMP</u>
No. of samples:	144 Soils
Date samples received:	28/01/11
Date completed instructions received:	28/01/11

This report supersedes the previous due to the change in results for pH, conductivity and sulfate.

Analysis Details:

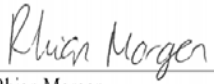
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

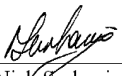
Report Details:

Date results requested by:	4/02/11
Date of Preliminary Report:	Not issued
Issue Date:	7/02/11

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Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:


Rhian Morgan
Reporting Supervisor


Nick Sarlamis
Inorganics Supervisor

EnviroLab Reference: 51111
Revision No: R 01



Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-1	51111-2	51111-3	51111-4	51111-5
Your Reference	-----	3/0.2	3/0.5	3/1.0	3/1.8	3/2.2
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.6	6.1	7.4	8.0	8.1
Electrical Conductivity 1:5 soil:water	µS/cm	34	150	910	1,200	1,300
Chloride, Cl 1:5 soil:water	mg/kg	<10	[NA]	1,400	[NA]	2,300
Sulphate, SO4 1:5 soil:water	mg/kg	<10	[NA]	170	[NA]	200

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-6	51111-7	51111-8	51111-9	51111-10
Your Reference	-----	3/2.5	3/3.2	86/0.2	86/0.5	2/0.2
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	8.1	8.2	5.9	6.9	6.1
Electrical Conductivity 1:5 soil:water	µS/cm	1,500	1,100	50	41	55
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	23	[NA]	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	7.6	[NA]	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-11	51111-12	51111-13	51111-14	51111-15
Your Reference	-----	2/0.5	2/1.0	2/1.5	2/2.0	2/2.5
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.8	5.6	7.3	8.0	7.6
Electrical Conductivity 1:5 soil:water	µS/cm	130	540	1,300	1,400	1,400
Chloride, Cl 1:5 soil:water	mg/kg	68	[NA]	2,200	[NA]	2,400
Sulphate, SO4 1:5 soil:water	mg/kg	44	[NA]	250	[NA]	220

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-16	51111-17	51111-18	51111-19	51111-20
Your Reference	-----	2/3.0	4/0.2	4/0.5	4/1.0	4/1.5
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	8.2	5.6	5.1	4.9	5.2
Electrical Conductivity 1:5 soil:water	µS/cm	1,400	33	160	410	700
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	210	[NA]	1,100
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	26	[NA]	63

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-21	51111-22	51111-23	51111-24	51111-25
Your Reference	-----	4/2.0	4/2.5	4/3.0	79/0.2	79/0.5
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.2	8.1	8.2	6.4	6.6
Electrical Conductivity 1:5 soil:water	µS/cm	1,100	1,200	1,200	26	60
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	2,100	9.7	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	200	<2.0	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-26	51111-27	51111-28	51111-29	51111-30
Your Reference	-----	68/0.2	68/0.5	69/0.2	69/0.5	67/0.2
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	25/01/2011	25/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.7	8.1	6.3	5.8	6.0
Electrical Conductivity 1:5 soil:water	µS/cm	52	360	80	200	96
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	240	20	[NA]	34
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	370	18	[NA]	45

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-31	51111-32	51111-33	51111-34	51111-35
Your Reference	-----	67/0.5	60/0.2	60/0.5	41/0.2	41/0.5
Date Sampled	-----	25/01/2011	25/01/2011	25/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.7	6.7	7.2	8.0	6.0
Electrical Conductivity 1:5 soil:water	µS/cm	190	45	110	380	480
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	41	220	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	3.6	41	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-36	51111-37	51111-38	51111-39	51111-40
Your Reference	-----	25/0.2	25/0.5	25/1.0	25/1.5	25/2.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.4	5.6	5.6	6.4	7.1
Electrical Conductivity 1:5 soil:water	µS/cm	130	180	420	720	1,200
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	140	[NA]	1,200	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	89	[NA]	150	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-41	51111-42	51111-43	51111-44	51111-45
Your Reference	-----	25/2.5	25/3.0	44/0.2	44/005	24/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	7.0	7.4	6.8	5.7	5.9
Electrical Conductivity 1:5 soil:water	µS/cm	1,100	1,000	40	280	36
Chloride, Cl 1:5 soil:water	mg/kg	1,900	[NA]	<10	[NA]	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	150	[NA]	<10	[NA]	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-46	51111-47	51111-48	51111-49	51111-50
Your Reference	-----	24/0.5	24/1.0	24/1.5	24/2.0	24/2.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.4	4.8	4.9	5.2	5.2
Electrical Conductivity 1:5 soil:water	µS/cm	290	730	840	550	1,100
Chloride, Cl 1:5 soil:water	mg/kg	270	[NA]	980	[NA]	1,545
Sulphate, SO4 1:5 soil:water	mg/kg	180	[NA]	100	[NA]	310

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-51	51111-52	51111-53	51111-54	51111-55
Your Reference	-----	24/3.0	47/0.2	47/0.5	23/0.2	23/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.7	6.1	5.6	6.2	6.4
Electrical Conductivity 1:5 soil:water	µS/cm	880	23	170	45	52
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	<10	[NA]	[NA]	<20
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	<10	[NA]	[NA]	<20

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-56	51111-57	51111-58	51111-59	51111-60
Your Reference	-----	23/1.0	23/1.5	23/2.0	23/2.5	23/3.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	7.0	7.0	7.5	7.4	8.0
Electrical Conductivity 1:5 soil:water	µS/cm	250	360	670	1,100	1,300
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	210	940	[NA]	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	110	240	[NA]	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-61	51111-62	51111-63	51111-64	51111-65
Your Reference	-----	40/0.2	40/0.5	52/0.2	52/0.5	17/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.8	5.8	6.0	5.8	5.7
Electrical Conductivity 1:5 soil:water	µS/cm	260	460	280	56	32
Chloride, Cl 1:5 soil:water	mg/kg	200	[NA]	[NA]	<10	11
Sulphate, SO4 1:5 soil:water	mg/kg	72	[NA]	[NA]	<10	2.1

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-66	51111-67	51111-68	51111-69	51111-70
Your Reference	-----	17/0.5	17/1.0	17/1.5	17/2.0	17/2.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.8	5.8	6.4	6.2	7.5
Electrical Conductivity 1:5 soil:water	µS/cm	120	520	680	670	990
Chloride, Cl 1:5 soil:water	mg/kg	43	740	[NA]	980	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	27	150	[NA]	120	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-71	51111-72	51111-73	51111-74	51111-75
Your Reference	-----	17/3.0	51/0.2	51/0.5	50/0.2	50/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	7.7	6.3	5.9	6.1	5.7
Electrical Conductivity 1:5 soil:water	µS/cm	1,300	42	140	50	130
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	70	<20	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	92	<20	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-76	51111-77	51111-78	51111-79	51111-80
Your Reference	-----	49/0.2	49/0.5	45/0.2	45/0.5	21/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.1	5.4	6.2	5.6	5.4
Electrical Conductivity 1:5 soil:water	µS/cm	39	250	210	640	220
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	160	100	[NA]	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	270	200	[NA]	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-81	51111-82	51111-83	51111-84	51111-85
Your Reference	-----	21/0.5	21/1.0	21/1.5	21/2.0	21/2.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.0	4.8	4.7	5.3	7.3
Electrical Conductivity 1:5 soil:water	µS/cm	400	660	770	550	820
Chloride, Cl 1:5 soil:water	mg/kg	480	[NA]	1,030	[NA]	1,183
Sulphate, SO4 1:5 soil:water	mg/kg	170	[NA]	200	[NA]	190

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-86	51111-87	51111-88	51111-89	51111-90
Your Reference	-----	21/3.0	46/0.2	46/0.5	20/0.2	20/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	7.6	6.2	5.7	6.2	5.4
Electrical Conductivity 1:5 soil:water	µS/cm	520	28	54	32	160
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	<10	[NA]	[NA]	120
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	<10	[NA]	[NA]	71

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-91	51111-92	51111-93	51111-94	51111-95
Your Reference	-----	20/1.0	20/1.5	20/2.0	20/2.5	20/3.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	4.6	4.8	4.8	4.9	4.9
Electrical Conductivity 1:5 soil:water	µS/cm	840	720	770	660	660
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	1,016	[NA]	880
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	310	[NA]	250

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-96	51111-97	51111-98	51111-99	51111-100
Your Reference	-----	48/0.2	48/0.5	19/0.2	19/0.5	19/1.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.3	5.4	5.4	5.8	5.8
Electrical Conductivity 1:5 soil:water	µS/cm	38	170	47	86	190
Chloride, Cl 1:5 soil:water	mg/kg	13	[NA]	[NA]	22	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	<10	[NA]	[NA]	120	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-101	51111-102	51111-103	51111-104	51111-105
Your Reference	-----	19/1.5	19/2.0	19/2.5	19/3.0	54/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.4	5.4	5.3	5.4	6.2
Electrical Conductivity 1:5 soil:water	µS/cm	420	410	520	690	100
Chloride, Cl 1:5 soil:water	mg/kg	490	[NA]	630	[NA]	46
Sulphate, SO4 1:5 soil:water	mg/kg	230	[NA]	200	[NA]	47

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-106	51111-107	51111-108	51111-109	51111-110
Your Reference	-----	54/0.5	55/0.2	55/0.5	13/0.2	13/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.0	6.2	5.6	7.2	7.7
Electrical Conductivity 1:5 soil:water	µS/cm	72	20	77	62	320
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	<20	16	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	<20	<10	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-111	51111-112	51111-113	51111-114	51111-115
Your Reference	-----	13/1.0	13/1.5	13/2.0	13/2.5	13/3.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.1	4.9	4.8	4.8	4.8
Electrical Conductivity 1:5 soil:water	µS/cm	420	470	540	680	630
Chloride, Cl 1:5 soil:water	mg/kg	450	560	[NA]	[NA]	750
Sulphate, SO4 1:5 soil:water	mg/kg	210	200	[NA]	[NA]	240

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-116	51111-117	51111-118	51111-119	51111-120
Your Reference	-----	56/0.2	56/0.5	57/0.2	57/0.5	58/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.9	5.3	6.0	6.1	6.3
Electrical Conductivity 1:5 soil:water	µS/cm	47	130	24	67	30
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	53	<10	[NA]	<10
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	90	<10	[NA]	<10

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-121	51111-122	51111-123	51111-124	51111-125
Your Reference	-----	58/0.5	53/0.2	53/0.5	18/0.2	18/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.6	5.8	5.6	5.5	6.2
Electrical Conductivity 1:5 soil:water	µS/cm	52	63	330	26	110
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	320	<10	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	240	17	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-126	51111-127	51111-128	51111-129	51111-130
Your Reference	-----	18/1.0	18/1.5	18/2.0	18/2.5	18/3.0
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.0	5.7	5.6	5.6	5.5
Electrical Conductivity 1:5 soil:water	µS/cm	120	290	320	410	480
Chloride, Cl 1:5 soil:water	mg/kg	94	230	[NA]	<10	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	37	60	[NA]	<10	[NA]

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-131	51111-132	51111-133	51111-134	51111-135
Your Reference	-----	63/0.2	63/0.5	65/0.2	65/0.5	64/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	6.5	7.9	6.6	5.1	6.3
Electrical Conductivity 1:5 soil:water	µS/cm	66	240	63	200	64
Chloride, Cl 1:5 soil:water	mg/kg	29	[NA]	[NA]	100	<10
Sulphate, SO4 1:5 soil:water	mg/kg	<10	[NA]	[NA]	180	<10

Miscellaneous Inorg - soil						
Our Reference:	UNITS	51111-136	51111-137	51111-138	51111-139	51111-140
Your Reference	-----	64/0.5	71/0.2	71/0.5	72/0.2	72/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.9	5.8	5.5	5.7	5.0
Electrical Conductivity 1:5 soil:water	µS/cm	170	45	92	48	300
Chloride, Cl 1:5 soil:water	mg/kg	[NA]	[NA]	25	<20	[NA]
Sulphate, SO4 1:5 soil:water	mg/kg	[NA]	[NA]	43	<20	[NA]

Miscellaneous Inorg - soil					
Our Reference:	UNITS	51111-141	51111-142	51111-143	51111-144
Your Reference	-----	76/0.2	76/0.5	81/0.2	81/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	01/02/2011	01/02/2011	01/02/2011	01/02/2011
Date analysed	-	04/02/2011	04/02/2011	04/02/2011	04/02/2011
pH 1:5 soil:water	pH Units	5.7	6.6	6.0	5.4
Electrical Conductivity 1:5 soil:water	µS/cm	170	64	54	310
Chloride, Cl 1:5 soil:water	mg/kg	75	[NA]	[NA]	310
Sulphate, SO4 1:5 soil:water	mg/kg	64	[NA]	[NA]	87

ESP/CEC Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	51111-1 3/0.2 25/01/2011 Soil	51111-5 3/2.2 25/01/2011 Soil	51111-8 86/0.2 25/01/2011 Soil	51111-13 2/1.5 25/01/2011 Soil	51111-20 4/1.5 25/01/2011 Soil
Exchangeable Ca*	meq/100g	3.0	0.88	5.6	0.51	0.26
Exchangeable K*	meq/100g	0.10	0.070	0.25	0.050	0.060
Exchangeable Mg*	meq/100g	4.7	4.6	3.4	7.2	6.4
Exchangeable Na*	meq/100g	0.72	1.9	0.33	4.1	1.8
Cation Exchange Capacity*	meq/100g	9.0	7.0	10	12	8.0
ESP*	%	8.0	26.0	3.0	35.0	21.0

ESP/CEC Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	51111-24 79/0.2 25/01/2011 Soil	51111-28 69/0.2 25/01/2011 Soil	51111-30 67/0.2 25/01/2011 Soil	51111-33 60/0.5 25/01/2011 Soil	51111-34 41/0.2 24/01/2011 Soil
Exchangeable Ca*	meq/100g	3.1	3.7	2.9	2.1	3.5
Exchangeable K*	meq/100g	0.11	0.54	0.86	0.070	0.11
Exchangeable Mg*	meq/100g	1.2	5.9	3.9	12	3.4
Exchangeable Na*	meq/100g	0.14	0.70	0.58	2.9	1.9
Cation Exchange Capacity*	meq/100g	5.0	11	8.0	17	9.0
ESP*	%	3.0	7.0	7.0	17.0	21.0

ESP/CEC Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	51111-39 25/1.5 24/01/2011 Soil	51111-43 44/0.2 24/01/2011 Soil	51111-50 24/2.5 24/01/2011 Soil	51111-52 47/0.2 24/01/2011 Soil	51111-58 23/2.0 24/01/2011 Soil
Exchangeable Ca*	meq/100g	0.050	2.2	0.080	4.8	0.22
Exchangeable K*	meq/100g	0.060	0.090	0.020	0.10	0.020
Exchangeable Mg*	meq/100g	5.6	8.6	1.6	5.0	6.9
Exchangeable Na*	meq/100g	3.2	1.4	1.3	0.41	4.3
Cation Exchange Capacity*	meq/100g	9.0	12	3.0	10	11
ESP*	%	36.0	12.0	43.0	4.0	38.0

ESP/CEC Our Reference: Your Reference Date Sampled Type of sample	UNITS ----- -----	51111-61 40/0.2 24/01/2011 Soil	51111-67 17/1.0 24/01/2011 Soil	51111-73 51/0.5 24/01/2011 Soil	51111-74 50/0.2 24/01/2011 Soil	51111-77 49/0.5 24/01/2011 Soil
Exchangeable Ca*	meq/100g	1.5	0.63	1.6	5.4	0.20
Exchangeable K*	meq/100g	0.78	0.020	0.070	0.70	0.090
Exchangeable Mg*	meq/100g	5.8	6.4	9.8	5.3	8.8
Exchangeable Na*	meq/100g	2.6	3.4	2.8	0.46	3.3
Cation Exchange Capacity*	meq/100g	11	10	14	12	12
ESP*	%	24.0	32.0	20.0	4.0	27.0

ESP/CEC						
Our Reference:	UNITS	51111-78	51111-83	51111-93	51111-96	51111-103
Your Reference	-----	45/0.2	21/1.5	20/2.0	48/0.2	19/2.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Exchangeable Ca*	meq/100g	0.55	0.020	0.01	2.8	0.020
Exchangeable K*	meq/100g	0.11	0.050	0.060	0.20	0.070
Exchangeable Mg*	meq/100g	4.3	3.8	2.3	4.2	8.3
Exchangeable Na*	meq/100g	3.8	1.8	1.2	0.38	5.3
Cation Exchange Capacity*	meq/100g	9.0	6.0	4.0	8.0	14
ESP*	%	44.0	32.0	33.0	5.0	39.0

ESP/CEC						
Our Reference:	UNITS	51111-105	51111-108	51111-115	51111-117	51111-120
Your Reference	-----	54/0.2	55/0.5	13/3.0	56/0.5	58/0.2
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Exchangeable Ca*	meq/100g	4.9	4.6	0.25	1.7	4.8
Exchangeable K*	meq/100g	1.6	0.070	0.01	0.060	0.18
Exchangeable Mg*	meq/100g	2.0	6.5	1.3	7.0	2.1
Exchangeable Na*	meq/100g	0.36	1.3	1.7	1.6	0.13
Cation Exchange Capacity*	meq/100g	9.0	13	3.0	10	7.0
ESP*	%	4.0	11.0	53.0	16.0	2.0

ESP/CEC						
Our Reference:	UNITS	51111-127	51111-131	51111-134	51111-135	51111-138
Your Reference	-----	18/1.5	63/0.2	65/0.5	64/0.2	71/0.5
Date Sampled	-----	24/01/2011	24/01/2011	24/01/2011	24/01/2011	24/01/2011
Type of sample		Soil	Soil	Soil	Soil	Soil
Exchangeable Ca*	meq/100g	0.01	9.8	3.1	5.0	1.9
Exchangeable K*	meq/100g	0.040	1.3	0.13	0.82	0.14
Exchangeable Mg*	meq/100g	6.2	7.2	8.6	4.2	6.9
Exchangeable Na*	meq/100g	4.4	0.74	2.0	0.30	0.99
Cation Exchange Capacity*	meq/100g	11	19	14	10	10
ESP*	%	42.0	4.0	15.0	3.0	10.0

ESP/CEC			
Our Reference:	UNITS	51111-141	51111-144
Your Reference	-----	76/0.2	81/0.5
Date Sampled	-----	24/01/2011	24/01/2011
Type of sample		Soil	Soil
Exchangeable Ca*	meq/100g	0.58	0.64
Exchangeable K*	meq/100g	0.040	0.080
Exchangeable Mg*	meq/100g	8.4	8.6
Exchangeable Na*	meq/100g	2.6	3.4
Cation Exchange Capacity*	meq/100g	12	13
ESP*	%	22.0	27.0

Method ID	Methodology Summary
LAB.1	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
LAB.2	Conductivity and Salinity - measured using a conductivity cell and dedicated meter, in accordance with APHA2510 20th ED and Rayment & Higginson.
LAB.81	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 21st ED, 4110-B.
Metals.23	Determination of exchangeable cations and cation exchange capacity in soil.

QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
Miscellaneous Inorg - soil						Base II Duplicate II %RPD		
Date prepared	-			3/2/2011 1	51111-1	01/02/2011 01/02/2011	LCS-1	3/2/2011
Date analysed	-			3/2/2011 1	51111-1	04/02/2011 04/02/2011	LCS-1	3/2/2011
pH 1:5 soil:water	pH Units		LAB.1	[NT]	51111-1	6.6 6.6 RPD: 0	LCS-1	102%
Electrical Conductivity 1:5 soil:water	µS/cm	1	LAB.2	<1.0	51111-1	34 36 RPD: 6	LCS-1	105%
Chloride, Cl 1:5 soil:water	mg/kg	2	LAB.81	<2.0	51111-1	<10 <10	LCS-1	104%
Sulphate, SO4 1:5 soil:water	mg/kg	2	LAB.81	<2.0	51111-1	<10 <10	LCS-1	110%
QUALITY CONTROL	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results	Spike Sm#	Spike % Recovery
ESP/CEC						Base II Duplicate II %RPD		
Exchangeable Ca*	meq/100 g	0.01	Metals.23	<0.01	51111-1	3.0 2.7 RPD: 11	LCS-3	98%
Exchangeable K*	meq/100 g	0.01	Metals.23	<0.01	51111-1	0.10 0.10 RPD: 0	LCS-3	107%
Exchangeable Mg*	meq/100 g	0.01	Metals.23	<0.01	51111-1	4.7 4.6 RPD: 2	LCS-3	95%
Exchangeable Na*	meq/100 g	0.01	Metals.23	<0.01	51111-1	0.72 0.72 RPD: 0	LCS-3	107%
Cation Exchange Capacity*	meq/100 g	1	Metals.23	<1.0	51111-1	9.0 8.0 RPD: 12	[NR]	[NR]
ESP*	%	1	Metals.23	<1.0	51111-1	8.0 9.0 RPD: 12	[NR]	[NR]
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Spike % Recovery			
Miscellaneous Inorg - soil			Base + Duplicate + %RPD					
Date prepared	-	51111-11	01/02/2011 01/02/2011	LCS-2	3/2/2011			
Date analysed	-	51111-11	04/02/2011 04/02/2011	LCS-2	3/2/2011			
pH 1:5 soil:water	pH Units	51111-11	5.8 5.9 RPD: 2	LCS-2	102%			
Electrical Conductivity 1:5 soil:water	µS/cm	51111-11	130 120 RPD: 8	LCS-2	105%			
Chloride, Cl 1:5 soil:water	mg/kg	51111-11	68 51 RPD: 29	LCS-2	104%			
Sulphate, SO4 1:5 soil:water	mg/kg	51111-11	44 38 RPD: 15	LCS-2	112%			
QUALITY CONTROL	UNITS	Dup. Sm#	Duplicate	Spike Sm#	Spike % Recovery			
ESP/CEC			Base + Duplicate + %RPD					
Exchangeable Ca*	meq/100 g	51111-34	3.5 5.6 RPD: 46	LCS-4	106%			
Exchangeable K*	meq/100 g	51111-34	0.11 0.12 RPD: 9	LCS-4	114%			
Exchangeable Mg*	meq/100 g	51111-34	3.4 5.3 RPD: 44	LCS-4	103%			
Exchangeable Na*	meq/100 g	51111-34	1.9 3.0 RPD: 45	LCS-4	114%			
Cation Exchange Capacity*	meq/100 g	51111-34	9.0 14 RPD: 43	[NR]	[NR]			

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QUALITY CONTROL ESP/CEC	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
ESP*	%	51111-34	21.0 21.0 RPD: 0	[NR]	[NR]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-21	01/02/2011 01/02/2011	LCS-3	3/2/2011
Date analysed	-	51111-21	04/02/2011 04/02/2011	LCS-3	3/2/2011
pH 1:5 soil:water	pH Units	51111-21	6.2 6.3 RPD: 2	LCS-3	101%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-21	1100 1000 RPD: 10	LCS-3	105%
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-3	104%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-3	112%
QUALITY CONTROL ESP/CEC	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Exchangeable Ca*	meq/100 g	51111-77	0.20 0.22 RPD: 10		
Exchangeable K*	meq/100 g	51111-77	0.090 0.090 RPD: 0		
Exchangeable Mg*	meq/100 g	51111-77	8.8 9.2 RPD: 4		
Exchangeable Na*	meq/100 g	51111-77	3.3 3.5 RPD: 6		
Cation Exchange Capacity*	meq/100 g	51111-77	12 13 RPD: 8		
ESP*	%	51111-77	27.0 27.0 RPD: 0		
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-31	01/02/2011 01/02/2011	LCS-4	3/2/2011
Date analysed	-	51111-31	04/02/2011 04/02/2011	LCS-4	3/2/2011
pH 1:5 soil:water	pH Units	51111-31	5.7 5.8 RPD: 2	LCS-4	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-31	190 170 RPD: 11	LCS-4	104%
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-4	106%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-4	120%
QUALITY CONTROL ESP/CEC	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Exchangeable Ca*	meq/100 g	51111-120	4.8 5.2 RPD: 8		
Exchangeable K*	meq/100 g	51111-120	0.18 0.24 RPD: 29		
Exchangeable Mg*	meq/100 g	51111-120	2.1 2.3 RPD: 9		
Exchangeable Na*	meq/100 g	51111-120	0.13 0.14 RPD: 7		

QUALITY CONTROL ESP/CEC	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD		
Cation Exchange Capacity*	meq/100 g	51111-120	7.0 8.0 RPD: 13		
ESP*	%	51111-120	2.0 2.0 RPD: 0		
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-41	01/02/2011 01/02/2011	LCS-5	3/2/2011
Date analysed	-	51111-41	04/02/2011 04/02/2011	LCS-5	3/2/2011
pH 1:5 soil:water	pH Units	51111-41	7.0 7.1 RPD: 1	LCS-5	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-41	1100 1100 RPD: 0	LCS-5	104%
Chloride, Cl 1:5 soil:water	mg/kg	51111-41	1900 2000 RPD: 5	LCS-5	104%
Sulphate, SO4 1:5 soil:water	mg/kg	51111-41	150 160 RPD: 6	LCS-5	116%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-51	01/02/2011 01/02/2011	LCS-6	3/2/2011
Date analysed	-	51111-51	04/02/2011 04/02/2011	LCS-6	3/2/2011
pH 1:5 soil:water	pH Units	51111-51	5.7 5.7 RPD: 0	LCS-6	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-51	880 720 RPD: 20	LCS-6	108%
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-6	112%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	LCS-6	112%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-61	01/02/2011 01/02/2011	LCS-7	3/2/2011
Date analysed	-	51111-61	04/02/2011 04/02/2011	LCS-7	3/2/2011
pH 1:5 soil:water	pH Units	51111-61	5.8 5.8 RPD: 0	LCS-7	102%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-61	260 270 RPD: 4	LCS-7	108%
Chloride, Cl 1:5 soil:water	mg/kg	51111-61	200 210 RPD: 5	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	51111-61	72 84 RPD: 15	[NR]	[NR]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-71	01/02/2011 01/02/2011	LCS-8	01/02/2011
Date analysed	-	51111-71	04/02/2011 04/02/2011	LCS-8	03/02/2011
pH 1:5 soil:water	pH Units	51111-71	7.7 7.7 RPD: 0	LCS-8	101%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-71	1300 1500 RPD: 14	LCS-8	108%
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	[NR]	[NR]
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	[NR]	[NR]

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QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-81	01/02/2011 01/02/2011	51111-3	01/02/2011
Date analysed	-	51111-81	04/02/2011 04/02/2011	51111-3	03/02/2011
pH 1:5 soil:water	pH Units	51111-81	5.0 5.0 RPD: 0	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51111-81	400 410 RPD: 2	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	51111-81	480 480 RPD: 0	51111-3	#
Sulphate, SO4 1:5 soil:water	mg/kg	51111-81	170 110 RPD: 43	51111-3	108%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-91	01/02/2011 01/02/2011	51111-46	01/02/2011
Date analysed	-	51111-91	04/02/2011 04/02/2011	51111-46	03/02/2011
pH 1:5 soil:water	pH Units	51111-91	4.6 4.7 RPD: 2	51111-46	3%
Electrical Conductivity 1:5 soil:water	µS/cm	51111-91	840 780 RPD: 7	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]	51111-46	100%
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]	51111-46	#
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-101	01/02/2011 01/02/2011	51111-126	01/02/2011
Date analysed	-	51111-101	04/02/2011 04/02/2011	51111-126	03/02/2011
pH 1:5 soil:water	pH Units	51111-101	5.4 5.4 RPD: 0	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51111-101	420 420 RPD: 0	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	51111-101	490 500 RPD: 2	51111-126	89%
Sulphate, SO4 1:5 soil:water	mg/kg	51111-101	230 220 RPD: 4	51111-126	100%
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	51111-111	01/02/2011 01/02/2011	51111-85	01/02/2011
Date analysed	-	51111-111	04/02/2011 04/02/2011	51111-85	03/02/2011
pH 1:5 soil:water	pH Units	51111-111	5.1 5.1 RPD: 0	[NR]	[NR]
Electrical Conductivity 1:5 soil:water	µS/cm	51111-111	420 430 RPD: 2	[NR]	[NR]
Chloride, Cl 1:5 soil:water	mg/kg	51111-111	450 [N/T]	51111-85	#
Sulphate, SO4 1:5 soil:water	mg/kg	51111-111	210 [N/T]	51111-85	93%

QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51111-121	01/02/2011 01/02/2011
Date analysed	-	51111-121	04/02/2011 04/02/2011
pH 1:5 soil:water	pH Units	51111-121	5.6 5.8 RPD: 4
Electrical Conductivity 1:5 soil:water	µS/cm	51111-121	52 52 RPD: 0
Chloride, Cl 1:5 soil:water	mg/kg	[NT]	[NT]
Sulphate, SO4 1:5 soil:water	mg/kg	[NT]	[NT]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51111-131	01/02/2011 01/02/2011
Date analysed	-	51111-131	04/02/2011 04/02/2011
pH 1:5 soil:water	pH Units	51111-131	6.5 6.5 RPD: 0
Electrical Conductivity 1:5 soil:water	µS/cm	51111-131	66 63 RPD: 5
Chloride, Cl 1:5 soil:water	mg/kg	51111-131	29 [N/T]
Sulphate, SO4 1:5 soil:water	mg/kg	51111-131	<10 [N/T]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51111-141	01/02/2011 01/02/2011
Date analysed	-	51111-141	04/02/2011 04/02/2011
pH 1:5 soil:water	pH Units	51111-141	5.7 5.7 RPD: 0
Electrical Conductivity 1:5 soil:water	µS/cm	51111-141	170 160 RPD: 6
Chloride, Cl 1:5 soil:water	mg/kg	51111-141	75 [N/T]
Sulphate, SO4 1:5 soil:water	mg/kg	51111-141	64 [N/T]
QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD
Date prepared	-	51111-120	01/02/2011 01/02/2011
Date analysed	-	51111-120	04/02/2011 04/02/2011
pH 1:5 soil:water	pH Units	51111-120	6.3 [N/T]
Electrical Conductivity 1:5 soil:water	µS/cm	51111-120	30 [N/T]
Chloride, Cl 1:5 soil:water	mg/kg	51111-120	<10 <10
Sulphate, SO4 1:5 soil:water	mg/kg	51111-120	<10 <10

Report Comments:

Chloride\Sulphate:PQL raised due to sample matrix.

Chloride: Samples no.3 and 85: # Percent recovery not available due to high analyte concentration.

Sulphate:Sample no.46:# Percent recovery not available due to sample matrix.

Asbestos ID was analysed by Approved Identifier:

Not applicable for this job

Asbestos ID was authorised by Approved Signatory:

Not applicable for this job

INS: Insufficient sample for this test

PQL: Practical Quantitation Limit

NT: Not tested

NA: Test not required

RPD: Relative Percent Difference

NA: Test not required

<: Less than

>: Greater than

LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable.

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
3/0.2	1	25/01/2011	S	G	x	x	x	x	x						
3/0.5	2	25/01/2011	S	G	x	x									
3/1.0	3	25/01/2011	S	G	x	x	x	x							
3/1.8	4	25/01/2011	S	G	x	x									
3/2.2	5	25/01/2011	S	G	x	x	x	x	x						
3/2.5	6	25/01/2011	S	G	x	x									
3/3.2	7	25/01/2011	S	G	x	x									
86/0.2	8	25/01/2011	S	G	x	x	x	x	x						
86/0.5	9	25/01/2011	S	G	x	x									
2/0.2	10	25/01/2011	S	G	x	x									
2/0.5	11	25/01/2011	S	G	x	x	x	x							
2/1.0	12	25/01/2011	S	G	x	x									
2/1.5	13	25/01/2011	S	G	x	x	x	x	x						

Envirolab Services
 12 Ashley St
 Chatswood NSW 2067
 Ph: 9910 6200

Job No: 5111
 Date received: 28/1/11
 Time received: 3pm
 Received by: [Signature]
 Temp: Cool (ambient)
 Cooler: Ice/inspack
 Security: In Envirolab's care

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: [Signature]				Date & Time: 28-1-11		Received by: [Signature] 28/1/11 3pm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
2/2.0	14	25/01/2011	S	G	x	x							
2/2.5	15	25/01/2011	S	G	x	x	x	x					
2/3.0	16	25/01/2011	S	G	x	x							
4/0.2	17	25/01/2011	S	G	x	x							
4/0.5	18	25/01/2011	S	G	x	x	x	x					
4/1.0	19	25/01/2011	S	G	x	x							
4/1.5	20	25/01/2011	S	G	x	x	x	x	x				
4/2.0	21	25/01/2011	S	G	x	x							
4/2.5	22	25/01/2011	S	G	x	x							
4/3.0	23	25/01/2011	S	G	x	x	x	x	x				
79/0.2	24	25/01/2011	S	G	x	x	x	x	x				
79/0.5	25	25/01/2011	S	G	x	x							
68/0.2	26	25/01/2011	S	G	x	x							

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: Morgan Phipps 28/1/11 Spm	

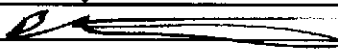
Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
68/0.5	27	25/01/2011	S	G	x	x	x	x							
69/0.2	28	25/01/2011	S	G	x	x	x	x	x						
69/0.5	28	25/01/2011	S	G	x	x									
67/0.2	30	25/01/2011	S	G	x	x	x	x	x						
67/0.5	31	25/01/2011	S	G	x	x									
60/0.2	32	25/01/2011	S	G	x	x									
60/0.5	33	25/01/2011	S	G	x	x	x	x	x						
41/0.2	34	24/01/2011	S	G	x	x	x	x	x						
41/0.5	35	24/01/2011	S	G	x	x									
25/0.2	36	24/01/2011	S	G	x	x									
25/0.5	37	24/01/2011	S	G	x	x	x	x							
25/1.0	38	24/01/2011	S	G	x	x									
25/1.5	39	24/01/2011	S	G	x	x	x	x	x						

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: DAK		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: WMP 28/1/11 Spm	

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
25/2.0	40	24/01/2011	S	G	x	x									
25/2.5	41	24/01/2011	S	G	x	x	x	x							
25/3.0	42	24/01/2011	S	G	x	x									
44/0.2	43	24/01/2011	S	G	x	x	x	x	x						
44/0.5	44	24/01/2011	S	G	x	x									
24/0.2	45	24/01/2011	S	G	x	x									
24/0.5	46	24/01/2011	S	G	x	x	x	x							
24/1.0	47	24/01/2011	S	G	x	x									
24/1.5	48	24/01/2011	S	G	x	x	x	x							
24/2.0	49	24/01/2011	S	G	x	x									
24/2.5	50	24/01/2011	S	G	x	x	x	x	x						
24/3.0	51	24/01/2011	S	G	x	x									
47/0.2	52	24/01/2011	S	G	x	x	x	x	x						

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: WMP 28/1/11 Spm	

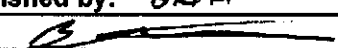
Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC 0	pH 0	Chloride 0	Sulphate	Sodicity	0 0	0	0	0	0	
47/0.5	53	24/01/2011	S	G	x	x									
23/0.2	54	24/01/2011	S	G	x	x									
23/0.5	55	24/01/2011	S	G	x	x	x	x							
23/1.0	56	24/01/2011	S	G	x	x									
23/1.5	57	24/01/2011	S	G	x	x	x	x							
23/2.0	58	24/01/2011	S	G	x	x	x	x	x						
23/2.5	59	24/01/2011	S	G	x	x	x	x							
23/3.0	60	24/01/2011	S	G	x	x									
40/0.2	61	24/01/2011	S	G	x	x	x	x	x						
40/0.5	62	24/01/2011	S	G	x	x									
52/0.2	63	24/01/2011	S	G	x	x									
52/0.5	64	24/01/2011	S	G	x	x	x	x							
17/0.2	65	24/01/2011	S	G	x	x	x	x							

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Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WMP 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
17/0.5	66	24/01/2011	S	G	x	x	x	x					
17/1.0	67	24/01/2011	S	G	x	x	x	x	x				
17/1.5	68	24/01/2011	S	G	x	x							
17/2.0	69	24/01/2011	S	G	x	x	x	x					
17/2.5	70	24/01/2011	S	G	x	x							
17/3.0	71	24/01/2011	S	G	x	x							
51/0.2	72	24/01/2011	S	G	x	x							
51/0.5	73	24/01/2011	S	G	x	x	x	x	x				
50/0.2	74	24/01/2011	S	G	x	x	x	x	x				
50/0.5	75	24/01/2011	S	G	x	x							
49/0.2	76	24/01/2011	S	G	x	x							
49/0.5	77	24/01/2011	S	G	x	x	x	x	x				
45/0.2	78	24/01/2011	S	G	x	x	x	x	x				

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH		Transported to laboratory by:	
Signed: 	Date & Time: 28-1-11	Received by: WJP 28/1/11 Sph	

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
45/0.5	79	24/01/2011	S	G	x	x							
21/0.2	80	24/01/2011	S	G	x	x							
21/0.5	81	24/01/2011	S	G	x	x	x	x					
21/1.0	82	24/01/2011	S	G	x	x							
21/1.5	83	24/01/2011	S	G	x	x	x	x	x				
21/2.0	84	24/01/2011	S	G	x	x							
21/2.5	85	24/01/2011	S	G	x	x	x	x					
21/3.0	86	24/01/2011	S	G	x	x							
46/0.2	87	24/01/2011	S	G	x	x	x	x					
46/0.5	88	24/01/2011	S	G	x	x							
20/0.2	89	24/01/2011	S	G	x	x							
20/0.5	90	24/01/2011	S	G	x	x	x	x					
20/1.0	91	24/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WMP 28/1/11 Spm			

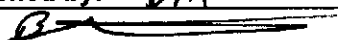
Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
20/1.5	92	24/01/2011	S	G	x	x							
20/2.0	93	24/01/2011	S	G	x	x	x	x	x				
20/2.5	94	24/01/2011	S	G	x	x							
20/3.0	95	24/01/2011	S	G	x	x	x	x					
48/0.2	96	24/01/2011	S	G	x	x	x	x	x				
48/0.5	97	24/01/2011	S	G	x	x							
19/0.2	98	24/01/2011	S	G	x	x							
19/0.5	99	24/01/2011	S	G	x	x	x	x					
19/1.0	100	24/01/2011	S	G	x	x							
19/1.5	101	24/01/2011	S	G	x	x	x	x					
19/2.0	102	24/01/2011	S	G	x	x							
19/2.5	103	24/01/2011	S	G	x	x	x	x	x				
19/3.0	104	24/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: MJP 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation	
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity					
54/0.2	105	24/01/2011	S	G	x	x	x	x	x					
54/0.5	106	24/01/2011	S	G	x	x								
55/0.2	107	24/01/2011	S	G	x	x								
55/0.5	108	24/01/2011	S	G	x	x	x	x	x					
13/0.2	109	24/01/2011	S	G	x	x	x	x						
13/0.5	110	24/01/2011	S	G	x	x								
13/1.0	111	24/01/2011	S	G	x	x	x	x						
13/1.5	112	24/01/2011	S	G	x	x	x	x						
13/2.0	113	24/01/2011	S	G	x	x								
13/2.5	114	24/01/2011	S	G	x	x								
13/3.0	115	24/01/2011	S	G	x	x	x	x	x					
56/0.2	116	24/01/2011	S	G	x	x								
56/0.5	117	24/01/2011	S	G	x	x	x	x	x					

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: mp 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
57/0.2	118	24/01/2011	S	G	x	x	x	x					
57/0.5	119	24/01/2011	S	G	x	x							
58/0.2	120	24/01/2011	S	G	x	x	x	x	x				
58/0.5	121	24/01/2011	S	G	x	x							
53/0.2	122	24/01/2011	S	G	x	x							
53/0.5	123	24/01/2011	S	G	x	x	x	x					
18/0.2	124	24/01/2011	S	G	x	x	x	x					
18/0.5	125	24/01/2011	S	G	x	x	x	x					
18/1.0	126	24/01/2011	S	G	x	x	x	x					
18/1.5	127	24/01/2011	S	G	x	x	x	x	x				
18/2.0	128	24/01/2011	S	G	x	x							
18/2.5	129	24/01/2011	S	G	x	x	x	x					
18/3.0	130	24/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WMP 28/1/11 Sph			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity				
63/0.2	131	24/01/2011	S	G	x	x	x	x	x				
63/0.5	132	24/01/2011	S	G	x	x							
65/0.2	133	24/01/2011	S	G	x	x							
65/0.5	134	24/01/2011	S	G	x	x	x	x	x				
64/0.2	135	24/01/2011	S	G	x	x	x	x	x				
64/0.5	136	24/01/2011	S	G	x	x							
71/0.2	137	24/01/2011	S	G	x	x							
71/0.5	138	24/01/2011	S	G	x	x	x	x	x				
72/0.2	139	24/01/2011	S	G	x	x	x	x					
72/0.5	140	24/01/2011	S	G	x	x							
76/0.2	141	24/01/2011	S	G	x	x	x	x	x				
76/0.5	142	24/01/2011	S	G	x	x							
81/0.2	143	24/01/2011	S	G	x	x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: DAK				Transported to laboratory by:					
Signed: 				Date & Time: 28-1-11		Received by: WMP 28/1/11 Spm			

Project Name: SMP		To: Envirolab Services	
Project No: 40740.99	Sampler: BAH	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: CCK	Mob. Phone: 0413 886 065	Attn: Tania Notaras	
Email: chris.kline@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: Standard		Email: tnotaras@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	EC	pH	Chloride	Sulphate	Sodicity						
81/0.5	144	24/01/2011	S	G	x	x	x	x	x						
10/0.05	145	1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									
		1/01/2011	S	G	x	x									

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: BAH		Transported to laboratory by:							
Signed: 		Date & Time: 28-1-11		Received by: mp 28/1/11 Spm					

Appendix G

Bulk Earthworks Plan



H:\061\06002 - Oran Park Landcom\06002 58 - Tranche 7\Drawings\Civil\DA\Bulk earthworks\06002 58-BE-DA-201.dwg

REV	DATE	DESCRIPTION	BY	VER	APP
00	10/12/2010	ISSUE FOR DEVELOPMENT APPLICATION	MC	RS	TT
01	21/12/2010	ISSUE FOR D.A. / C.C.	MC	RS	TT
02	28/03/2011	EARTHWORKS AMENDED	PS	MC	TT

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BY SUPERINTENDENT PRIOR TO
CONSTRUCTION. USE WRITTEN
DIMENSIONS ONLY, DO NOT SCALE.

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Brown Consulting (NSW) Pty Ltd
Level 2, 2 Burbank Place Norwest Business Park NSW Australia 2153
Telephone: 02 8808 5000 Facsimile: 02 8808 5099

BROWN

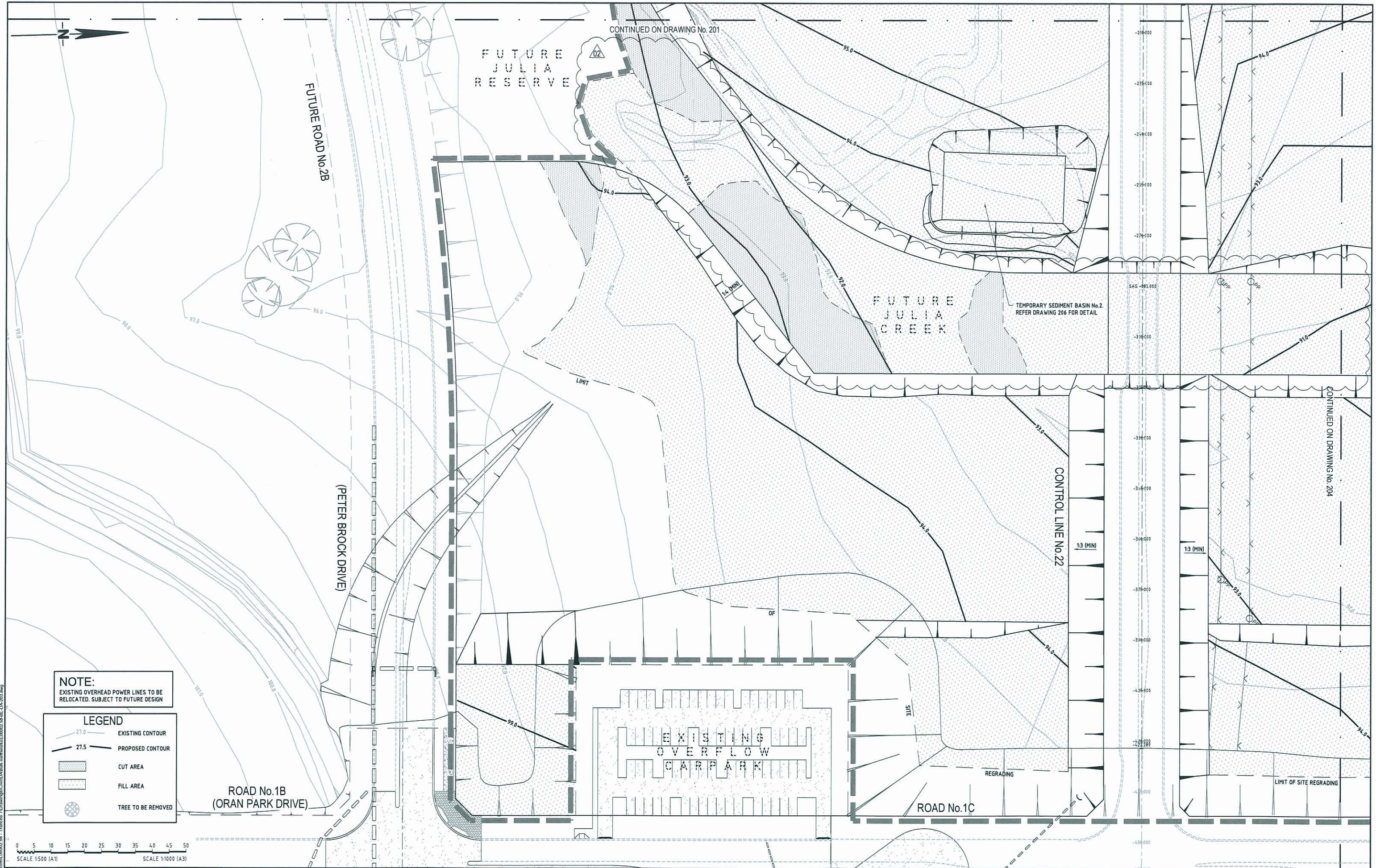
Sydney
Canberra
Brisbane
Melbourne
Singapore

APPROVAL
BY: TOBY TAMES
BE (Hons) Graduate Engineer
Director
SIGN: [Signature]
DATE: 28/3/11

Client: LANDCOM/GDC
Project: ORAN PARK TRANCHE 7 - BULK EARTHWORKS
DEVELOPMENT APPLICATION / CONSTRUCTION CERTIFICATE

Drawing: BULK EARTHWORKS PLAN
SHEET 01 OF 04

Drawn by: PS
Design by: MC
Project No: L06002.58-BE-DA
Drawing No: 201
Scale (A1): 1:500
Revision: 02



NOTE:
EXISTING OVERHEAD POWER LINES TO BE
RELOCATED. SUBJECT TO FUTURE DESIGN

LEGEND

- 27.0 — EXISTING CONTOUR
- 27.5 — PROPOSED CONTOUR
- [Hatched Box] CUT AREA
- [Dotted Box] FILL AREA
- [Circle with X] TREE TO BE REMOVED

ROAD No. 1B
(ORAN PARK DRIVE)

(PETER BROCK DRIVE)

CONTINUED ON DRAWING No. 201

FUTURE
JULIA
RESERVE

FUTURE
JULIA
CREEK

TEMPORARY SEDIMENT BASIN No. 2.
REFER DRAWING 206 FOR DETAIL

CONTROL LINE No. 22

EXISTING
OVERFLOW
CARPARK

ROAD No. 1C

CONTINUED ON DRAWING No. 204

H:\001\00002 - Oran Park Landcom\00002 58 - Tranche 7\Drawings\Civil\DA\Bulk earthworks\00002 58-BE-DA-203.dwg

REV	DATE	DESCRIPTION	BY	VER	APP
00	6/12/2010	ISSUE FOR DEVELOPMENT APPLICATION	MC	RS	TT
01	21/12/2010	ISSUE FOR D.A. / C.C.	MC	RS	TT
02	28/03/2011	EARTHWORKS AMENDED	PS	MC	TT

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Melbourne
Singapore

APPROVAL
BY: TOBY TAMES
BE (Planning and Design) Director
SIGN: [Signature]
DATE: 20/3/14

Client: LANDCOM/GDC
Project: ORAN PARK TRANCHE 7 - BULK EARTHWORKS
DEVELOPMENT APPLICATION / CONSTRUCTION CERTIFICATE

Drawing: BULK EARTHWORKS PLAN
SHEET 03 OF 04

Drawn by: PS
Design by: MC
Project No: L060002.58-BE-DA
Drawing No: 203
Scale (A1): 1:500
Revision: 02

