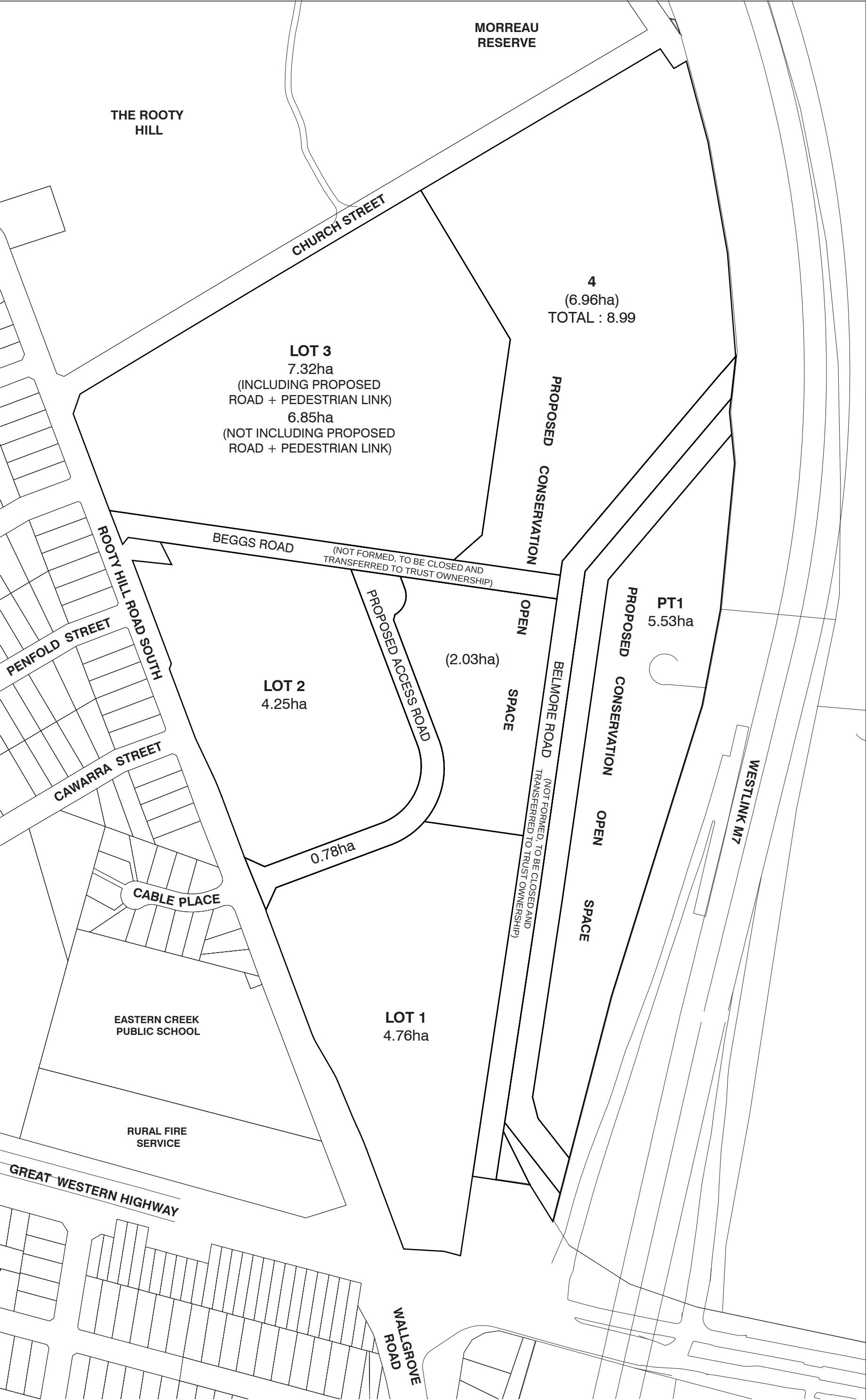




*This is an indicative
subdivision plan and
should as a guide only.
It is based on
Landpartners draft
subdivision plan.*

EASTERN CREEK BUSINESS HUB - WESTERN SYDNEY PARKLANDS

DATE	14th March, 2013	PREPARED FOR	Western Sydney Parklands Trust	PROPOSED SUPERLOT SUBDIVISION	SCALE 1:3000 @ A3	DRAWING NO. EIS-02(E)
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THE ROOTY
HILL

MORREAU
RESERVE

CHURCH STREET

RESERVATION ACCESS
FOR
PEDESTRIAN

RESERVATION ACCESS
FOR
PEDESTRIAN

BEGGS ROAD

Deceleration Lane

900mm median
installed in phases

New signalised intersection
at Cable Place and Rooty Hill
Road South

existing
drainage
line

(NO CHANGE)

BELMORE ROAD
GAS PIPELINE EASEMENT

WESTLINK M7

PENFOLD STREET

ROOTY HILL ROAD SOUTH

CAWARRA STREET

CABLE PLACE

EASTERN CREEK
PUBLIC SCHOOL

RURAL FIRE
SERVICE

GREAT WESTERN HIGHWAY

WALL GROVE
ROAD

Road widening to be
dedicated to council
(approx 1,000sqm)

LEGEND

- Superlot Boundary
- New Access Road
- Open Drainage Channels
- Detention/ Biofiltration Basins
- Stormwater Pipes / Shallow Box Culverts
- CPW planting in open space*
- New signalised intersection (extent of works)
- Road widening

Note - *staged rollout as development progresses
- CPW planting proposed on existing Council land (50% of Belmore Rd and Beggs Rd)

THE ROOTY
HILL

MORREAU
RESERVE

CHURCH STREET

LOT 3

LOT 4

LOT 2

LOT 1

BEGGS ROAD

ROOTY HILL ROAD SOUTH

PENFOLD STREET

CAWARRA STREET

CABLE PLACE

EASTERN CREEK
PUBLIC SCHOOL

RURAL FIRE
SERVICE

GREAT WESTERN HIGHWAY

WALL GROVE
ROAD

BELMORE ROAD
GAS PIPELINE EASEMENT

WESTLINK M7

existing
drainage
line

(NO CHANGE)

LEGEND

- Superlot Boundary
- Phase 1
- Phase 1b
- Phase 2
- Open Drainage Channels
- Detention/ Biofiltration Basins
- Stormwater Pipes / Shallow Box Culverts
- CPW planting in open space*
- Road widening

Notes:
a) Phase 1 includes early stormwater management works and some open space planting works east of the new access road.
b) Phase 1b road works will be triggered when the GFA in the development reaches a certain figure. This figure will be determined by the RMS.
c) Signalisation of the intersection will proceed only when vehicle movements reach RMS threshold.
d) Phase 2 will proceed only when market demand makes development feasible. This could be 10 years or more.

*Note - *staged rollout as development progresses - CPW planting proposed on existing Council land (50% of Belmore Rd and Beggs Rd)*

THE ROOTY HILL

MORREAU RESERVE



LEGEND

- Superlot Boundary
- Indicative subdivision
- Indicative bld. footprint
- Indicative parking layout
- Open Space/ CPW / Conservation
- Preferred location for playground
- Stormwater Strategy
- Remnant vegetation to be retained
- Gas pipeline
- Buffer to Gas pipeline (Belmore Road)
- Parking Access

- 1 - LARGE FORMAT RETAILER (w/ undercroft parking)
- 2 - VILLAGE CENTRE (CONVENIENCE RETAIL)
- 3 - BULK LIQUOR OUTLET (CONVENIENCE RETAIL)
- 4 - ADVENTURE OUTDOOR/CAMPING CENTRE (BULKY GOODS)
- 5 - BULKY GOODS (BULKY GOODS)
- 6 - GARDEN CENTRE (BULKY GOODS)
- 7 - SELF STORAGE (BULKY GOODS)
- (location of uses and areas indicative only)

AREA BREAKDOWN

(all areas are GFA)

- Phase 1 (south of Beggs Road)
 - Bulky Goods - 10,000qm
 - Large Format - 14,000sqm
 - Retail
 - Convenience - 9,500sqm
 - Retail
- Phase 2 (north of Beggs Road)
 - Bulky Goods - 19,300sqm

THE ROOTY HILL

MORREAU RESERVE



LEGEND

- Superlot Boundary
- Indicative subdivision
- Indicative bld. footprint
- Indicative parking layout
- Open Space/ CPW / Conservation
- Preferred location for playground
- Stormwater Strategy
- Remnant vegetation to be retained
- Gas pipeline
- Buffer to Gas pipeline (Belmore Road)
- Parking Access

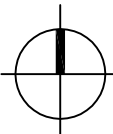
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- 6 - GARDEN CENTRE (BULKY GOODS)
- 7 - SELF STORAGE (BULKY GOODS)
- (location of uses and areas indicative only)

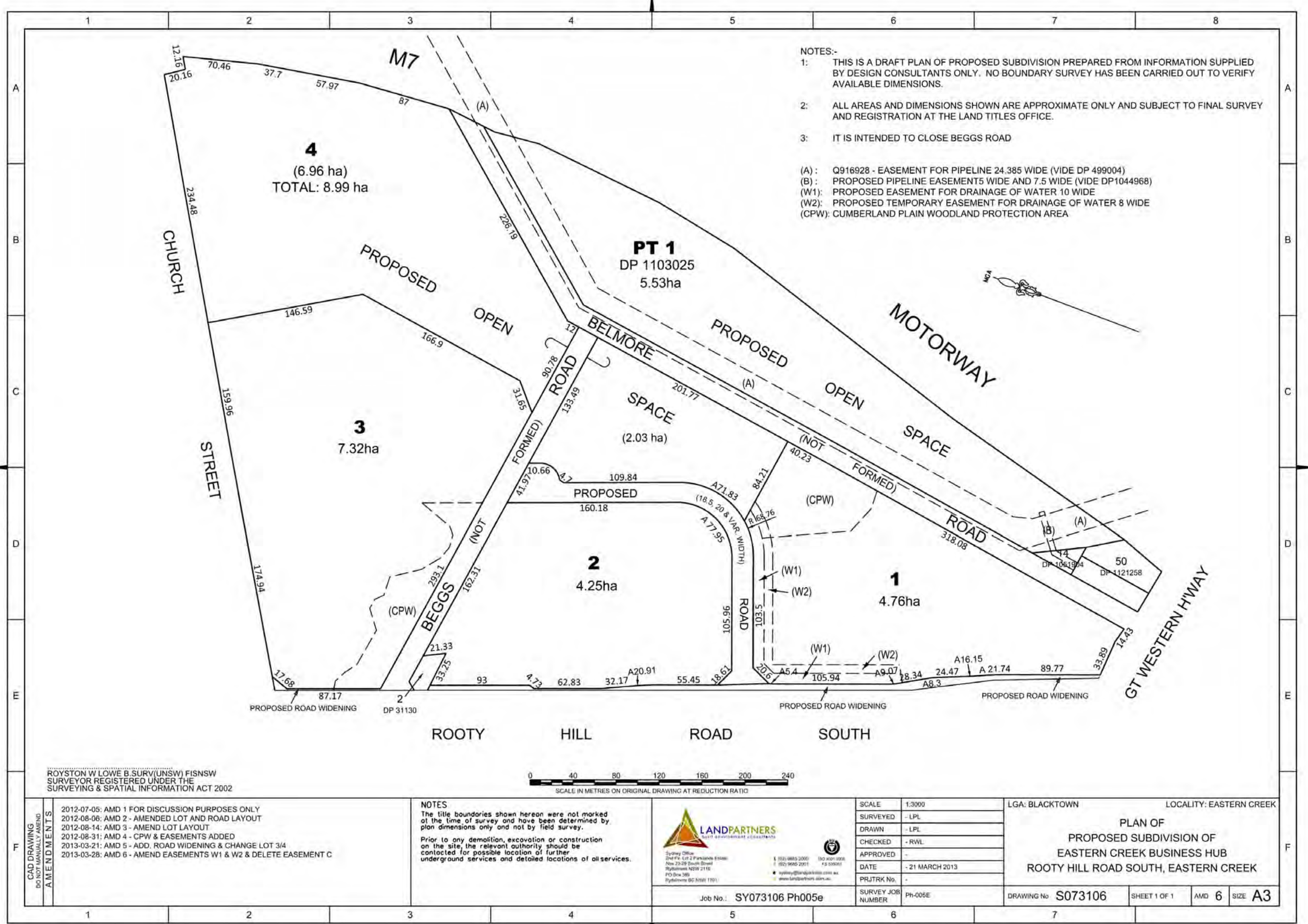
AREA BREAKDOWN

(all areas are GFA)

- Phase 1 (south of Beggs Road)
 - Bulky Goods - 6,500sqm
 - Large Format - 14,000sqm
 - Retail
 - Convenience - 9,500sqm
 - Retail

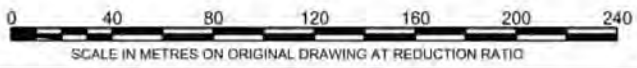
- Phase 2 (north of Beggs Road)
 - Bulky Goods - 19,300sqm





- NOTES:-
- 1: THIS IS A DRAFT PLAN OF PROPOSED SUBDIVISION PREPARED FROM INFORMATION SUPPLIED BY DESIGN CONSULTANTS ONLY. NO BOUNDARY SURVEY HAS BEEN CARRIED OUT TO VERIFY AVAILABLE DIMENSIONS.
 - 2: ALL AREAS AND DIMENSIONS SHOWN ARE APPROXIMATE ONLY AND SUBJECT TO FINAL SURVEY AND REGISTRATION AT THE LAND TITLES OFFICE.
 - 3: IT IS INTENDED TO CLOSE BEGGS ROAD
- (A) : Q916928 - EASEMENT FOR PIPELINE 24.385 WIDE (VIDE DP 499004)
(B) : PROPOSED PIPELINE EASEMENT 5 WIDE AND 7.5 WIDE (VIDE DP1044968)
(W1): PROPOSED EASEMENT FOR DRAINAGE OF WATER 10 WIDE
(W2): PROPOSED TEMPORARY EASEMENT FOR DRAINAGE OF WATER 8 WIDE
(CPW): CUMBERLAND PLAIN WOODLAND PROTECTION AREA

ROYSTON W LOWE B.SURV(UNSW) FISNSW
SURVEYOR REGISTERED UNDER THE
SURVEYING & SPATIAL INFORMATION ACT 2002



CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	2012-07-05: AMD 1 FOR DISCUSSION PURPOSES ONLY 2012-08-06: AMD 2 - AMENDED LOT AND ROAD LAYOUT 2012-08-14: AMD 3 - AMEND LOT LAYOUT 2012-08-31: AMD 4 - CPW & EASEMENTS ADDED 2013-03-21: AMD 5 - ADD. ROAD WIDENING & CHANGE LOT 3/4 2013-03-28: AMD 6 - AMEND EASEMENTS W1 & W2 & DELETE EASEMENT C	NOTES The title boundaries shown hereon were not marked at the time of survey and have been determined by plan dimensions only and not by field survey. Prior to any demolition, excavation or construction on the site, the relevant authority should be contacted for possible location of further underground services and detailed locations of all services.	 Landpartners Soil government consultants Sydney Office 2nd Fl. Lot 2 Parklands Estate New 23-29 South Street Ryde NSW 2116 PO Box 369 Ryde NSW 1585 1 (02) 8885 5000 1 (02) 9985 2001 1 (02) 9985 1000 1 (02) 9985 2001 sydney@landpartners.com.au www.landpartners.com.au	SCALE 1:3000	LGA: BLACKTOWN	LOCALITY: EASTERN CREEK
				SURVEYED - LPL	PLAN OF PROPOSED SUBDIVISION OF EASTERN CREEK BUSINESS HUB ROOTY HILL ROAD SOUTH, EASTERN CREEK	
				DRAWN - LPL		
				CHECKED - RWL		
				APPROVED -		
				DATE - 21 MARCH 2013		
				PRJTRK No. -		
				SURVEY JOB NUMBER -		
				Ph-005E	DRAWING No S073106	SHEET 1 OF 1
					AMD 6	SIZE A3

Appendix B – Figures and Tables from the CDM Smith Report



Table 1a - Heavy Metals, TPH, BTEX - Superlot 1

Sample Location						TP01L1		TP2L1		BH3L1				TP04L1		TP05L1				TP6L1		BH7L1					TP8L1		TP10L1		TP11L1			
Sample ID						TP01L1	TP01L1	TP2L1	TP2L1	BH3L1	BH3L1	BH3L1	BH3L1	QAQC13 (Intra Dupe for BH3L1)	TP04L1	TP04L1	TP05L1	TP05L1	TP5L1	TP5L1	TP6L1	TP6L1	BH7L1	BH7L1	BH7L1	BH7L1	QAQC14 (Intra Dupe for BH7L1)	TP8L1	TP8L1	TP10L1	TP10L1	TP11L1	TP11L1	
Depth (m bgs)						0-0.05	0.45-0.55	0-0.05	0.1-0.15	0-0.05	0.1-0.15	4-4.1	5.5-5.6		0-0.05	0.1-0.15	SP	0-0.05	0-0.05	0.5-0.6	0-0.05	0.3-0.4	0-0.05	0.5-0.6	7-7.1	9.6-9.7		0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	
Date Sampled						13/09/2012	13/09/2012	12/09/2012	12/09/2012	17/09/2012	17/09/2012	17/09/2012	17/09/2012		13/09/2012	13/09/2012	13/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	18/09/2012	18/09/2012	18/09/2012	18/09/2012	18/09/2012		26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	
PID Reading						0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0.1	0.0	0.0	0.0	IS	IS	0.3	1.4	0.2	0.0	0.4	0.0	IS	0.4	0.6	0.7	0.8	0.4	0.4	
Soil Matrix Description						Topsoil	Clay	Topsoil		Topsoil		Clay	Shale		Topsoil		Topsoil		Clay	Topsoil	Clay	Fill	Clay	Shale		Topsoil		Clay	Topsoil		Topsoil	Clay		
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																													
Heavy Metals																																		
Arsenic	4	-	200	500	20	6	4	<4	<4	<4	<4	9	7	7	<4	<4	6	5	6	<4	<4	7	4	4	10	6	<4	<4	<4	5	5	10		
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<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	0.6	<0.5		
Chromium (III+VI)	1	-	-	-	401	19	13	9	8	9	9	12	13	11	12	9	35	16	16	13	9	21	21	15	16	12	12	16	13	14	17	16	25	
Copper	1	-	2000	5000	100	14	21	5	4	4	4	31	33	31	8	4	120	15	19	16	7	13	30	11	35	37	39	16	15	10	24	19		
Manganese	1	-	3000	7500	500	1300	170	54	24	57	19	74	830	770	61	15	430	410	880	39	350	1400	410	630	1100	860	500	380	39	210	68	660	590	
Mercury	0.1	-	30	75	-	<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	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1		
Nickel	1	-	600	3000	60	7	8	3	2	3	2	15	16	16	4	2	21	7	10	8	4	7	18	7	18	14	14	15	5	4	4	6	6	
Lead	1	-	600	1500	600	24	13	14	7	9	8	14	16	14	29	8	73	22	20	9	43	20	35	13	20	22	17	34	11	37	11	92	30	
Zinc	1	-	14000	35000	200	24	30	11	5	7	4	51	58	59	33	7	650	64	25	19	33	17	89	14	60	61	68	56	16	65	12	170	21	
TPHs																																		
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
+C10 - C36 (Sum of total)		1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2340	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BTEX																																		
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Ethylbenzene	1	3.1	-	-	-	<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	
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Xylene (o)	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	
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 1a - Heavy Metals, TPH, BTEX - Superlot 1 (cont'd)

Sample Location						TP12L1				TP13L1		TP14L1			TP15L1		TP16L1			TP17L1		TP18L1		TP19L1								TP20L1	
Sample ID						TP12L1	QAQC43 (Intra Dupe for TP12L1)	QAQC44 (Inter Dupe for TP12L1)	TP12L1	TP13L1	TP13L1	TP14L1	TP14L1	TP14L1a	TP15L1	TP15L1	TP16L1	TP16L1	QAQC41 (Intra Dupe for TP16L1)	TP17L1	TP17L1	TP18L1	TP18L1	TP19L1	TP19L1	TP19L1	TP19L1	TP19L1	TP19L1_A	TP19L1_B	TP20L1	TP20L1	
Depth (m bgs)						0-0.05			0.2-0.3	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.5-0.6		0-0.05	0.5-0.6		0-0.05	0.9-1	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0.2-0.25	SP	SP	0-0.05	0.1-0.15	
Date Sampled						26/09/2012			26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012		26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012		
PID Reading						0.0	IS	IS	0.2	0.6	0.7	IS	IS		0.3	0.8	0.3	0.4		0.0	0.1	0.2	0.7	IS	IS	IS	IS	0.2	0.1	0.1	0.2	0.2	
Soil Matrix Description						Topsoil				Topsoil		Topsoil			Topsoil		Clay	Topsoil		Clay	Topsoil	Clay	Topsoil	Clay	-	-	Fill			Topsoil			
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																												
Heavy Metals																																	
Arsenic	4	-	200	500	20	<4	<4	7	<4	<4	<4	7	6	<4	7	<4	6	5	6	6	4	<4	5	7	6	5	6	5	5	8			
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<1	<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	<0.5	<0.5	<0.5	<0.5	<0.5			
Chromium (III+VI)	1	-	-	-	401	15	16	21	13	12	9	25	26	21	15	22	13	18	19	21	24	16	8	16	20	20	18	21	21	18	19	25	
Copper	1	-	2000	5000	100	29	27	38	7	12	4	8	9	14	11	15	11	14	12	7	12	16	7	8	9	17	7	13	18	14	12	12	
Manganese	1	-	3000	7500	500	330	350	465	130	380	77	1700	780	960	600	190	550	15	26	860	36	510	5	370	500	590	340	140	440	720	430	1100	
Mercury	0.1	-	30	75	-	0.4	0.7	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.6	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	0.8		
Nickel	1	-	600	3000	60	6	6	8	2	5	2	6	6	7	5	7	5	4	4	6	5	2	4	5	8	3	7	7	6	6	7		
Lead	1	-	600	1500	600	260	190	271	23	100	12	30	20	66	27	16	36	13	11	25	15	37	6	20	20	58	15	17	47	47	36		
Zinc	1	-	14000	35000	200	250	270	362	21	71	10	18	13	77	33	18	93	14	14	30	13	93	6	15	16	230	18	410	180	120	68	88	
TPHs																																	
C6 - C9	25	65	-	-	-	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50		
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
+C10 - C36 (Sum of total)		1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
BTEX																																	
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		
Ethylbenzene	1	3.1	-	-	-	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Xylene (m & p)	2	-	-	-	-	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
Xylene (o)	1	-	-	-	-	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	



Table 1a - Heavy Metals, TPH, BTEX - Superlot 1 (cont'd)

Sample Location						TP32L1				TP33L1				SP1L1			SP2L1			SP3L1	SP4L1	SP5L1			Area A							QA67	QA69	QA71					
Sample ID						TP32L1	TP32L1	QAQC49 (Intra Dupe for TP32L1)	QAQC50 (Inter Dupe for TP32L1)	TP33L1	TP33L1	QAQC47 (Intra Dupe for TP33L1)	QAQC48 (Inter Dupe for TP33L1)	SP1L1	SP1L1A	SP1L1B	SP2L1a	SP2L1b	SP2L1c	SP3L1	SP4L1	SP5L1a	SP5L1b	SP5L1c	TP01A	TP01A	TP02A	TP02A	TP12A	TP12A	TP36C	TP35C	TP25C						
Depth (m bgs)						0-0.05	0.5-0.6			0-0.05	0.1-0.15			0.5-0.6	0.5-0.6	0.9-1	0.4-0.5	0.4-0.5	0.4-0.5	0.5-0.6	0.5-0.6	0.3-0.4	0.4-0.5	0.4-0.5	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.45-0.55	0-0.05	0-0.05	0.1-0.15						
Date Sampled						27/09/2012	27/09/2012			27/09/2012	27/09/2012			27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	10/09/2012	10/09/2012	10/09/2012	10/09/2012	10/09/2012	10/09/2012	9/10/2012	9/10/2012	9/10/2012							
PID Reading						0.3	0.6			0.4	0.6			0.5	0.8	0.8	0.5	0.4	0.8	0.8	0.0	0.6	0.5	0.3	0.5	0.8	IS	IS	0.2	IS	IS								
Soil Matrix Description						Fill				Topsoil				Fill				Fill				Clay	Fill				Fill	Fill				Fill							
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																																		
Heavy Metals																																							
Arsenic	4	-	200	500	20	5	11	7	10	5	<4	<4	<5	4	5	5	4	4	4	11	<4	8	6	7	5	6	7	<4	<4	7	9	13	7						
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<1	<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	0.5	0.6	<0.5						
Chromium (III+VI)	1	-	-	-	401	17	22	21	34	29	17	21	18	32	27	22	33	23	11	20	3	21	31	29	16	18	20	16	13	24	27	18	20						
Copper	1	-	2000	5000	100	18	25	22	24	19	38	44	51	33	26	38	27	26	43	40	14	27	38	16	11	11	12	17	6	14	19	34	7						
Manganese	1	-	3000	7500	500	470	850	640	1670	500	420	460	568	530	340	1700	460	300	450	400	28	470	420	2300	530	680	1100	110	370	27	100	770	400						
Mercury	0.1	-	30	75	-	0.1	0.2	0.2	0.3	<0.1	<0.1	0.1	<0.1	0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.2	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1						
Nickel	1	-	600	3000	60	12	13	10	9	35	33	41	47	35	30	7	34	26	12	13	2	22	27	12	7	7	7	4	6	4	15	3							
Lead	1	-	600	1500	600	41	160	180	346	100	100	150	219	70	49	69	64	35	17	70	100	31	71	60	23	23	27	10	18	15	17	23	18						
Zinc	1	-	14000	35000	200	49	180	140	233	150	61	72	80	66	45	76	73	41	35	150	140	87	160	67	27	23	29	19	16	12	17	57	8						
TPHs																																							
C6 - C9	25	65	-	-	-	<25	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25						
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50						
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	120	<100	500	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100							
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	450	230	430	<100	<100	<100	350	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100						
+C10 - C36 (Sum of total)		1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	570	230	930	NC	NC	NC	350	NC	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200					
BTEX																																							
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2						
Ethylbenzene	1	3.1	-	-	-	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1						
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2						
Xylene (o)	1	-	-	-	-	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1						
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC					

Table 1a - Heavy Metals, TPH, BTEX - Superlot 1 (cont'd)

Sample Location						QAQC33	QAQC34	QAQC35	QAQC36	QAQC37					Area C	TP36C - Triplicate					SP6L1	SP7L1				SP8L1		SP9L1
Sample ID						TP9Y	TP9Y	TP10Y	TP10Y	TP15Y	TP25C	TP25C	TP26C	TP26C	TP35C	TP35C	TP36C	TP36C	TP36C	SP6L1	SP7L1	QAQC53 (Intra Dupe for SP7L1)	QAQC54 (Inter Dupe for SP7L1)	SP8L1	SP8L1a	SP9L1		
Depth (m bgs)						0.1-0.15	0.1-0.15	0-0.05	0-0.05	0.9-1	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0-0.05	0.1-0.15	0-0.05	0-0.05				0-0.05	0.1-0.15	0-0.05	
Date Sampled						25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	27/09/2012	27/09/2012				27/09/2012	27/09/2012	27/09/2012	
PID Reading																			0.5	0.8				0.2	IS	0.2		
Soil Matrix Description																			Fill	Fill				Fill	Fill	Fill		
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																							
Heavy Metals																												
Arsenic	4	-	200	500	20	<4	<5	<4	<5	6	<4	8	5	6	<4 - 8	7	<4	<4	7	20	6	5	10	<4	11	4		
Cadmium	0.5	-	40	100	3	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.5	<0.5	<0.5	<1	<0.5	3.2	0.9		
Chromium (III+VI)	1	-	-	-	401	8	9	7	7	13	6	20	15	30	3 - 19	18	30	36	25	21	22	18	35	13	25	12		
Copper	1	-	2000	5000	100	4	<5	4	<5	14	38	7	25	15	27 - 90	15	40	37	16	110	12	14	14	15	38	27		
Manganese	1	-	3000	7500	500	67	44	63	79	8	560	390	590	44	300 - 360	18	510	490	180	610	700	1100	727	320	310	170		
Mercury	0.1	-	30	75	-	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	0.2	0.1	<0.1	2.2	<0.1			
Nickel	1	-	600	3000	60	3	3	2	2	3	17	3	14	13	5 - 11	4	32	34	7	47	9	8	7	6	14	7		
Lead	1	-	600	1500	600	13	11	14	15	13	17	17	15	16	7 - 16	13	15	13	14	610	28	32	31	63	120	50		
Zinc	1	-	14000	35000	200	11	8	14	15	12	54	9	41	13	27 - 34	10	57	53	20	3400	300	640	283	300	2400	1000		
TPHs																												
C6 - C9	25	65	-	-	-	<25	<10	<25	<10	<25	<25	<25	<25	<25	<25	<25	-	<25	<25	<25	<25	<25	<10	<25	<25	<25		
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-	<50	<50	<50	<50	<50	<50	<50	<50	<50		
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100 - 150	<100	-	<100	<100	390	<100	<100	<100	<100	<100	<100		
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100 - 740	<100	-	260	<100	540	<100	<100	<100	<100	<100	<100		
+C10 - C36 (Sum of total)		1000	-	-	-	<200	<250	<200	<250	<200	<200	<200	<200	<200	<200 - 890	<200	-	310	<200	930	NC	NC	NC	NC	NC	NC		
BTEX																												
Benzene	0.2	1	-	-	-	<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		
Ethylbenzene	1	3.1	-	-	-	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<0.5	<1	<1	<1		
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5		
Xylene (m & p)	2	-	-	-	-	<2	<0.5	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<0.5	<2	<2	<2		
Xylene (o)	1	-	-	-	-	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<0.5	<1	<1	<1		
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	



Table 1b - VOCs, PCBs, OCPs - Superlot 1

Sample Location				TP01L1		TP2L1		BH3L1					TP04L1		TP05L1					TP6L1		BH7L1					TP8L1	
Sample ID				TP01L1	TP01L1	TP2L1	TP2L1	BH3L1	BH3L1	BH3L1	BH3L1	QAQC13 (Intra Dupe for BH3L1)	TP04L1	TP04L1	TP05L1	TP05L1	TP5L1	TP5L1	TP6L1	TP6L1	BH7L1	BH7L1	BH7L1	BH7L1	QAQC14 (Intra Dupe for BH7L1)	TP8L1	TP8L1	
Depth (m bgs)				0-0.05	0.45-0.55	0-0.05	0.1-0.15	0-0.05	0.1-0.15	4-4.1	5.5-5.6	0-0.05	0.1-0.15	SP	0-0.05	0-0.05	0.5-0.6	0-0.05	0.3-0.4	0-0.05	0.5-0.6	7-7.1	9.6-9.7	0-0.05	0.5-0.6			
Date Sampled				13/09/2012	13/09/2012	12/09/2012	12/09/2012	17/09/2012	17/09/2012	17/09/2012	17/09/2012	13/09/2012	13/09/2012	13/09/2012	13/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	18/09/2012	18/09/2012	18/09/2012	18/09/2012	26/09/2012	26/09/2012		
Compound	EQL	NEPM 1999	NEPM 1999																									
		HIL E ¹	HIL F ²																									
VOCs																												
Benzene	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	<0.2	<0.2	<0.2	<0.2		
Ethylbenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Toluene	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Xylene (m & p)	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
Xylene (o)	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1,1-trichloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1,2,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1,2-trichloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1-dichloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,1-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2,3-trichloropropane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2-dichloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,3-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
2,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Bromodichloromethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Bromoform	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Carbon tetrachloride	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Chlorodibromomethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Chloroethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Chloroform	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Chloromethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
cis-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
cis-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Dibromomethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Trichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Tetrachloroethene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
trans-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
trans-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Vinyl chloride	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2,3-trichlorobenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
2-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
4-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Bromobenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Chlorobenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2-dibromoethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Bromomethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Dichlorodifluoromethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Trichlorofluoromethane	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,2,4-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
1,3,5-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
Isopropylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
n-butylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA		
n-propylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	NA	NA	NA	<1	NA	NA	<1	<1	NA	<1	NA	<1	NA						

Table 1b - VOCs, PCBs, OCPs - Superlot 1 (cont'd)

Sample Location				TP10L1		TP11L1		TP12L1				TP13L1		TP14L1		TP15L1		TP16L1		QAQC41 (Intra Dupe for TP16L1)	TP17L1		TP18L1		TP19L1											
Sample ID				TP10L1	TP10L1	TP11L1	TP11L1	TP12L1	QAQC43 (Intra Dupe for TP12L1)	QAQC44 (Inter Dupe for TP12L1)	TP12L1	TP13L1	TP13L1	TP14L1	TP14L1a	TP14L1	TP15L1	TP15L1	TP16L1	TP16L1		TP17L1	TP17L1	TP18L1	TP18L1	TP19L1	TP19L1	TP19L1_A	TP19L1_B	TP19L1	TP19L1	TP19L1	TP19L1			
Depth (m bgs)				0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05			0.2-0.3	0-0.05	0.1-0.15	0-0.05	0.0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.5-0.6		0-0.05	0.5-0.6	0-0.05	0.9-1	0-0.05	0.1-0.15	SP	SP	0-0.05	0.1-0.15	0.2-0.25				
Date Sampled				26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012			26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012	26/09/2012		26/09/2012	26/09/2012	26/09/2012	26/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012					
Compound	EQL	NEPM 1999 HIL E ¹	NEPM 1999 HIL F ²																																	
VOCs																																				
Benzene	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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
Ethylbenzene	1	-	-	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Toluene	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
Xylene (m & p)	2	-	-	<2	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					
Xylene (o)	1	-	-	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1,1-trichloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1,2,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1,2-trichloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1-dichloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,1-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2,3-trichloropropane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2-dichloroethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,3-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
2,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Bromodichloromethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Bromoform	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Carbon tetrachloride	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Chlorodibromomethane	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Chloroethane	1	-	-	<1	NA	<1	NA	<1	<5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Chloroform	1	-	-	<1	NA	<1	NA	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Chloromethane	1	-	-	<1	NA	<1	NA	<1	<5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
cis-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
cis-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Dibromomethane	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Trichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Tetrachloroethene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
trans-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
trans-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Vinyl chloride	1	-	-	<1	NA	<1	NA	<1	<1	<5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2,3-trichlorobenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
2-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
4-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Bromobenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Isobromobenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2-dibromobenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Bromomethane	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Dichlorodifluoromethane	1	-	-	<1	NA	<1	NA	<1	<1	<5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Trichlorofluoromethane	1	-	-	<1	NA	<1	NA	<1	<1	<5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,2,4-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
1,3,5-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
Isopropylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
n-butylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA					
n-propylbenzene	1	-	-	<1	NA	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<										

NOTES:

All concentrations are in mg/kg

1 - Hill E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)

2 - Hill F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)

EQ L - Laboratory Estimated Quantitation Limit

IS = Insufficient sample for PID reading

-" indicates that the criteria is not applicable for these analytes

EQ Value = Concentration less than laboratory EQ L

NC - Non calculable

NA - Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample

Table 1b - VOCs, PCBs, OCPs - Superlot 1 (cont'd)

Sample Location				TP20L1		TP21L1			TP22L1			TP23L1			TP24L1		TP25L1		TP26L1		TP27L1				TP28L1			TP29L1		BH30L1					
Sample ID				TP20L1	TP20L1	TP21L1	QAQC39 (Intra Dupe for TP21L1)	QAQC40 (Inter Dupe for TP21L1)	TP21L1	TP22L1	TP22L1	TP23L1	QAQC10 (Intra Dupe for TP23L1)	TP23L1	TP24L1	TP24L1	TP25L1	TP25L1	TP26L1	TP26L1	TP27L1	TP27L1B	TP27L1	QAQC45 (Intra Dupe for TP27L1)	TP27L1	TP28L1	TP28L1	TP28L1	TP29L1	TP29L1	BH30L1	BH30L1	BH30L1	BH30L1	
Depth (m bgs)				0-0.05	0.1-0.15	0-0.05			0.3-0.4	0-0.05	0.1-0.15	0-0.05		0.45-0.55	0-0.05	0.95-1.05	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0.1-0.15		0.9-1	0-0.05	0.45-0.55	1.2-1.3	0.0-0.05	0.1-0.15	0-0.05	0.1-0.15	4-4.1	8-8.1	
Date Sampled				14/09/2012	14/09/2012	25/09/2012			25/09/2012	25/09/2012	25/09/2012	14/09/2012		14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	14/09/2012	26/09/2012	27/09/2012	26/09/2012		26/09/2012	14/09/2012	14/09/2012	14/09/2012	27/09/2012	27/09/2012	18/09/2012	18/09/2012	18/09/2012	18/09/2012
Compound	EQL	NEPM 1999																																	
		HIL E ¹	HIL F ²																																
VOCs																																			
Benzene	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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Ethylbenzene	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	<1	<1	<1	
Toluene	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	<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	
Xylene (m & p)	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Xylene (o)	1	-	-	<1	<1	<1	<1	<0.5	<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	
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1,1-trichloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1,2,2-tetrachloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1,2-trichloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1-dichloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1-dichloroethene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,1-dichloropropene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,2,3-trichloropropane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,2-dichloroethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,2-dichloropropane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
1,3-dichloropropane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
2,2-dichloropropane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Bromodichloromethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Bromoforn	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Carbon tetrachloride	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Chlorodibromomethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Chloroethane	1	-	-	<1	NA	<1	<1	<5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Chloroform	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Chloromethane	1	-	-	<1	NA	<1	<1	<5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
cis-1,2-dichloroethene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
cis-1,3-dichloropropene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Dibromomethane	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Trichloroethene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Tetrachloroethene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
trans-1,2-dichloroethene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
trans-1,3-dichloropropene	1	-	-	<1	NA	<1	<1	<0.5	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	<1	<1	NA	NA	NA	<1	<1	NA	NA	
Vinyl chloride	1	-	-	<1	NA	<1	<1	<5	NA	<1	NA	<1	NA	<1	NA	<1																			

Table 1b - VOCs, PCBs, OCPs - Superlot 1 (cont'd)

Sample Location				TP31L1		TP32L1		QAQC49 (Intra Dupe for TP32L1)	QAQC50 (Inter Dupe for TP32L1)	TP33L1				SP1L1		SP2L1			SP3L1	SP4L1	SP5L1a			SP6L1	SP7L1	QAQC54 (Inter Dupe for SP7L1)	SP8L1		SP9L1							
Sample ID				TP31L1	TP31L1	TP32L1	TP32L1			TP33L1	TP33L1	QAQC47 (Intra Dupe for TP33L1)	QAQC48 (Inter Dupe for TP33L1)	SP1L1	SP1L1A	SP1L1B	SP2L1a	SP2L1b	SP2L1c	SP3L1	SP4L1	SP5L1a	SP5L1b	SP5L1c	SP6L1	SP7L1	QAQC53 (Intra Dupe for SP7L1)	QAQC54 (Inter Dupe for SP7L1)	SP8L1	SP8L1a	SP9L1					
Depth (m bgs)				0-0.05	0.5-0.6	0-0.05	0.5-0.6			0-0.05	0.1-0.15			0.5-0.6	0.5-0.6	0.9-1	0.4-0.5	0.4-0.5	0.4-0.5	0.5-0.6	0.5-0.6	0.3-0.4	0.4-0.5	0.4-0.5	0-0.05	0-0.05			0-0.05	0.1-0.15	0-0.05					
Date Sampled				26/09/2012	26/09/2012	27/09/2012	27/09/2012			27/09/2012	27/09/2012			27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012	27/09/2012			27/09/2012	27/09/2012	27/09/2012					
Compound	EQL	NEPM 1999 HIL E ¹	NEPM 1999 HIL F ²																																	
VOCS																																				
Benzene	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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
Ethylbenzene	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					
Toluene	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
Xylene (m & p)	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					
Xylene (o)	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					
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<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-trichloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2,2-tetrachloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2-trichloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1-dichloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1-dichloroethene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1-dichloropropene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2,3-trichloropropane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-dichloroethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-dichloropropane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,3-dichloropropane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
2,2-dichloropropane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromodichloromethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromoform	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Carbon tetrachloride	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chlorodibromomethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloroethane	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloroform	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloromethane	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
cis-1,2-dichloroethene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
cis-1,3-dichloropropene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Dibromomethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Trichloroethene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Tetrachloroethene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
trans-1,2-dichloroethene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
trans-1,3-dichloropropene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Vinyl chloride	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2,3-trichlorobenzene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
2-chlorotoluene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
4-chlorotoluene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromobenzene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chlorobenzene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-dibromomethane	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromomethane	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Dichlorodifluoromethane	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Trichlorofluoromethane	1	-	-	<1	NA	NA	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2,4-trimethylbenzene	1	-	-	<1	NA	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,3,5-trimethylbenzene	1	-	-																																	

NOTES:

- All concentrations are in mg/kg
- 1 - Hill, E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - Hill, F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - laboratory Estimated Quantitation Limit
- IS = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- C Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQ = Laboratory Estimated Quantities Limit
- IS = Insufficient sample for PID reading
- indicates that the criteria is not applicable for these analyses
- < Value = Concentration less than laboratory EQ
- NC - Not calculable
- NA - Not Analysed
- Inter Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

[illegible]

NOTES:
All concentrations are in mg/kg
1 - HIL E Column 4 - Health Based Investigation Levels for Particulates
2 - HIL F Column 5 - Health Based Investigation Levels for Carbon Monoxide
EQL - laboratory Estimated Quantitation Limit
IS = Insufficient sample for PID reading
-- indicates that the criteria is not applicable for these analyses
< Value = Concentration less than laboratory EQL
NC - Non calculable
NA - Not Analysed
Intra Dup - Intra-laboratory duplicate sample
Inter Dup - Inter-laboratory duplicate sample



Table 1c - SVOCs - Superlot 1 (Cont'd)

[illegible]

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - Laboratory Estimated Quantitation Limit
- IS - Insufficient sample for PID reading
- indicates that the criteria is not applicable for these analyses
- < Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 1c - SVOCs - Superlot 1 (Cont'd)

[illegible]

NOTES:

- All concentrations are in mg/kg
- 1- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQ- Laboratory Estimated Quantitation Limit
- IS = Insufficient sample for PID reading
- * indicates that the criteria is not applicable for these analytes
- < Value = Concentration less than laboratory EQ
- NC - Non Calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 1d - Asbestos - Superlot 1

Sample ID			TP01L1	TP2L1	BH3L1	BH3L1	TP04L1	QA5	TP05L1	TP5L1	TP6L1	BH7L1	BH7L1	TP8L1	TP9L1	TP10L1	TP11L1	TP12L1	TP13L1	TP14L1	TP14L1A	TP15L1	TP16L1	TP16L1	TP17L1		
Sample Type			SLB	SS	SS	SS	SLB	SLB	SLB	SLB	SLB	SS	SS	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	Fragment	SLB		
Laboratory Reference			78908-49	78908-A-73	79070-40	79070-41	78908-53	78908-63	78908-59	79537-113	79537-90	79070-97	79070-99	79537-95	79537-130	79537-78	79537-108	79537-103	79537-74	79537-99	79537-139	79537-86	79537-121	79537-153	79537-117		
Depth (m bgs)			0.0-0.5	0.0-0.5	0.0-0.05	0.1-0.15	0.0-0.5		0.0-0.5	0.0-0.05	0.0-0.05	0.0-0.05	0.5-0.6	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05F	0.0-0.05		
Date Sampled			12/09/12	12/09/12	17/09/12	17/09/12	12/09/12		12/09/12	26/09/12	26/09/12	26/09/12	18/09/12	18/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12	26/09/12		
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AFIFA																							
Sample Description					Brown fine-grained soil & rocks	Brown fine-grained soil	Brown fine-grained soil & debris	Light brown fine-grained soil & debris	Brown fine-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained clay soil & rocks	Brown sandy clayey soil & rocks	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown fine-grained soil & rocks	Grey coarse-grained clayey soil & rocks	Brown coarse-grained clay soil & rocks	Grey-brown sandy clayey soil	Grey coarse-grained clayey soil & rocks	Brown sandy clayey soil & rocks	Brown coarse-grained clay soil & rocks	Brown fine-grained clayey soil & rocks	Brown fine-grained clayey soil	Brown fine-grained soil & rocks	Grey compressed fibre cement material	Brown coarse-grained clay soil & rocks
a) Chrysotile Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present	-
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present	-
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present	-
d) Sample mass (g)			NA	NA	478.51	40.00	40.00	40.00	389.35	361.70	320.51	305.73	537.28	40.00	40.00	594.88	331.92	485.92	382.76	277.49	422.58	251.34	467.17	418.07	306.53	-	297.82
e) Fragment Dimentions (mm)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50x25x4	-
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected
j) ACM w/w Analysis (%)			0.05%	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NC	-

Table 1d - Asbestos - Superlot 1 (Cont'd)

Sample ID			TP18L1	TP19L1	TP19L1	TP19L1_A	TP20L1	TP21L1	QAQC39	TP22L1	TP23L1	QAQC10	TP24L1	TP25L1	TP26L1	TP27L1	TP28L1	TP28L1	BH30L1	BH30L1	TP31L1	TP32L1	QAQC49	TP33L1	QAQC47		
Sample Type			SLB	SLB	SLB	SS	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SS	SS	SLB	SLB	SLB	SLB	SLB		
Laboratory Reference			79537-82	79070-81	79070-82	79070-87	79070-77	79537-41	79537-145	79537-37	79070-65	79070-138	79070-73	79070-69	79070-61	79537-125	79070-90	79070-92	79070-119	79070-120	79537-134	79621-39	79621-50	79621-2	79621-49		
Depth (m bgs)			0.0-0.05	0.0-0.05	0.1-0.15	SP	0.0-0.05	0.0-0.05		0.0-0.05	0.0-0.05		0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.45-0.55	0.0-0.05	0.1-0.15	0.0-0.05	0.5-0.6		0.1-0.15			
Date Sampled			26/09/12	14/09/12	14/09/12	14/09/12	14/09/12	25/09/12		25/09/12	14/09/12		14/09/12	14/09/12	14/09/12	26/09/12	14/09/12	14/09/12	18/09/12	18/09/12	26/09/12	27/09/12		27/09/12			
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AFIFA																							
Sample Description					Brown coarse-grained clay soil & rocks	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown coarse-grained clay soil & rocks	Grey coarse-grained clayey soil & rocks	Brown sandy clayey soil & rocks	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown coarse-grained soil & organic debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Grey coarse-grained clay soil & rocks	Brown coarse-grained soil & rocks
a) Chrysotile Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Sample mass (g)			NA	NA	231.41	478.48	573.36	40.00	489.31	355.36	379.92	269.01	352.34	258.20	387.11	302.22	604.48	436.69	783.47	438.31	40.00	40.00	419.25	383.50	279.39	359.17	469.46
e) Fragment Dimentions (mm)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)			0.05%	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 1d - Asbestos - Superlot 1 (Cont'd)

Sample ID			TP33L1	SP1L1	SP1L1A	SP1L1B	SP2L1A	SP2L1B	SP2L1C	SP3L1	SP4L1	SP5L1C	SP5L1A	SP5L1B	SP6L1	SP7L1	QAQC53	SP8L1	SP8L1A	SP9L1		
Sample Type			SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	
Laboratory Reference			79621-5	79621-33	79621-36	79621-48	79621-9	79621-12	79621-13	79621-32	79621-30	79621-14	79621-17	79621-18	79621-27	79621-19	79621-52	79621-23	79621-24	79621-21		
Depth (m bgs)			0.0-0.05	0.5-0.6	0.5-0.6	0.9-1.0	0.4-0.5	0.4-0.5	0.4-0.5	0.5-0.6	0.5-0.6	0.4-0.5	0.3-0.4	0.4-0.5	0.0-0.05	0.0-0.05		0.0-0.05	0.1-0.15	0.0-0.05		
Date Sampled			27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12	27/09/12		27/09/12	27/09/12	27/09/12		
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AFIFA																		
Sample Description					Brown coarse-grained clay soil & rocks	Brown fine-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Assorted sandy clay soil & rocks	Brown coarse-grained clay soil & rocks	Grey-brown sandy soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown clay soil & organic debris	Brown coarse-grained clay soil & rocks	Dark grey sandy clay soil & rocks	Dark grey sandy soil & organic debris	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	
a) Chrysotile Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present	-	Present	
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present	-	Present	
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d) Sample mass (g)			NA	NA	370.75	604.49	511.85	611.79	389.21	245.38	381.29	543.31	542.83	336.92	378.67	420.78	199.48	423.95	226.74	306.50	121.55	230.00
e) Fragment Dimentions (mm)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00328	
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.830	-	0.526	
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.996	-	NR	
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	0.0014%	
j) ACM w/w Analysis (%)			0.05%	NA	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	4.84%	No Asbestos Detected	0.23%	

Notes:

a) Chrysotile in ACM fragments (g)

b) Amosite in ACM fragments (g)

c) Crocidolite in ACM fragments (g)

d) Total mass of soil sample (g)

e) Laboratory reported dimensions of ACM fragments

f) Total free asbestos AF and FA (g)

g) Laboratory reported mass of ACM

h) Laboratory calculated fibres by weight of ACM (g)

i) Weight/Weight fibres in soil sample/sub-sample (%)

j) Weight/Weight ACM in soil sample/sub-sample (%)

NR = Not reported

NA = No criteria exist

SP = Stockpile

SS = Sub-sample

SLB = Snap Lock Bag

-' = not identified

NC = Non calculable

Table 2a - Heavy Metals, TPH, BTEX - Superlot 2, Area A

Area of Site				Superlot 2																																	
Sample Location				TP3L2				TP4L2				TP5L2				TP6L2				TP7L2				TP8L2		TP9L2		TP10L2		TP11L2		TP13L2		TP14L2		TP15L2	
Sample ID				TP3L2	TP3L2	TP4L2	TP4L2	TP5L2	TP5L2	SP5L2	QA59 (Intra Dupe for SP5L2)	QA60 (Inter Dupe for SP5L2)	TP6L2	QA61 (Intra Dupe for SP6L2)	QA62 (Inter Dupe for SP6L2)	TP6L2	TP7L2	TP7L2	TP8L2	TP8L2	TP9L2	TP9L2	TP10L2	TP10L2	TP11L2	TP11L2	TP13L2	TP13L2	TP14L2	TP14L2	TP15L2	TP15L2					
Depth (m bgs)				0-0.05	0.5-0.6	0-0.05	0.5-0.6	0-0.05	0.1-0.15		SP			0-0.05			0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.9-1	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.6-0.7				
Date Sampled				4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012		4/10/2012			4/10/2012		3/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	4/10/2012	8/10/2012	8/10/2012	8/10/2012	8/10/2012					
PID Reading				0.3	0.5	0.3	0.8	0.3	0.1		IS			0.5			0.4	0.3	0.3	0.2	0.2	0.4	0.2	0.4	0.2	0.3	0.4	0.9	2.1	0.1	0.1	0.5	0.1				
Soil Matrix Description				Topsoil	Clay	Topsoil	Clay	Topsoil			Fill			Topsoil			Topsoil		Topsoil	Clay		Topsoil		Topsoil		Topsoil	Clay		Topsoil	Clay	Topsoil	Clay					
Compound	EQL	EPA 1984 Health and Ecological ¹	NMEP 1999 HIL E ²	NEMF 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																																
Heavy Metals																																					
Arsenic	4	-	200	500	20	7	<4	7	5	7	<4	8	6	6	8	9	7	8	10	6	6	5	8	<4	8	5	8	5	6	5	7	7	6				
Cadmium	0.5	-	0	100	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<1	0.6	0.6	<1	<0.5	0.8	<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					
Chromium (III+VI)	1	-	401	-	401	18	13	34	17	30	11	26	18	23	23	24	25	24	22	21	15	13	18	<15	23	19	27	16	19	17	19	15	21	22			
Copper	100	-	2000	5000	100	13	20	14	24	17	13	26	15	14	23	27	15	24	15	15	16	13	12	14	18	17	30	11	12	12	11	16	12				
Manganese	1	-	3000	7500	500	1700	270	440	17	1300	37	1600	710	814	990	1000	943	1300	3300	930	1200	240	3700	40	800	110	680	43	1400	300	720	13	690	60			
Mercury	0.1	-	30	75	1	0.2	<0.1	1.6	<0.1	1.1	<0.1	0.7	<0.1	0.2	0.2	0.3	0.41	0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Nickel	1	-	600	3000	60	8	12	5	5	7	4	9	6	8	8	9	7	7	11	7	6	11	10	6	6	6	11	5	7	6	5	3	6	7			
Lead	1	-	600	1500	600	23	8	35	9	67	6	37	20	38	76	100	102	41	37	20	21	11	36	9	27	13	11	28	8	22	8	23	15				
Zinc	1	-	14000	35000	200	83	25	53	11	120	15	140	35	52	350	390	420	220	28	23	20	20	48	21	23	18	33	19	28	14	36	11	34	18			
TPH																																					
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25					
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50					
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100					
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100					
C10 - C36 (Sum of total)	1000	-	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				
BTEX																																					
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
Ethylbenzene	1	3.1	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					
Xylene (o)	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					
Xylene Total	14	-	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC				

Table 2a - Heavy Metals, TPH, BTEX - Superlot 2, Area A (Cont'd)

Area of Site				Superlot 2																																		
Sample Location				TP16L2				BH17L2				TP18L2		TP19L2		BH20L2						TP21L2		TP22L2		TP23L2		TP24L2		TP27L2								
Sample ID				TP16L2	TP16L2	Q457 (Intra Dupe for SP16L2)	Q458 (Intra Dupe for SP16L2)	BH17L2	BH17L2	BH17L2	Q4QC12 (Intra Dupe for SP17L2)	BH17L2	TP18L2	TP18L2	TP19L2	TP19L2	BH20L2	BH20L2	BH20L2	BH20L2	BH20L2	TP21L2	TP21L2	TP22L2	Q463 (Intra Dupe for SP22L2)	Q464 (Intra Dupe for SP22L2)	TP22L2	TP23L2	TP23L2	TP24L2	TP24L2	TP27L2	Q455 (Intra Dupe for SP27L2)	Q456 (Intra Dupe for SP27L2)				
Depth (m bgs)				0-0.05		0.1-0.15		0-0.05	0.5-0.6	7-7.1		8-8.1	0-0.05	0.5-0.6	0-0.05	0.5-0.6	0-0.05	0.1-0.15	4.45-4.55	8-8.1	0-0.05	0.1-0.15		0-0.05		0.1-0.15	0-0.05	0.4-0.5	0-0.05	0.5-0.6		0-0.05	0.1-0.15					
Date Sampled				3/10/2012		3/10/2012		17/09/2012	17/09/2012	17/09/2012		17/09/2012	8/10/2012	8/10/2012	3/10/2012	3/10/2012	17/09/2012	17/09/2012	17/09/2012	17/09/2012	3/10/2012	3/10/2012		8/10/2012		8/10/2012	8/10/2012	3/10/2012	3/10/2012		3/10/2012	3/10/2012						
PID Reading				0.5		0.4		IS		IS		0	0.5	0.1	0.7	0.6	0.1	0.1	0.1	0.4	1	0.5		0.2		0.1	0.2	0.1	0.5	0.5		0.5	0.4					
Soil Matrix Description				Topsoil		Clay		Fill	Clay	Shale		Shale	Fill	Clay	Topsoil	Clay	Topsoil		Shale		Topsoil		Fill		Fill		Clay	Topsoil	Clay		Topsoil							
Compound	EQL	EPA 1994 Health and Ecological 1	NPM1 1999 HIL E 2	NPM1 1999 HIL F 3	DEC 2 PILs (Column 5) 4																																	
Heavy Metals																																						
Arsenic	4	-	200	500	20	5	6	4	6	8	6	<4	4	<4	7	4	8	4	6	8	6	4	9	9	10	13	14	9	11	8	1	12	11	10	12	10	10	
Cadmium	0.5	-	<0.5	400	3	<0.5	<0.5	<1	<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	0.8	0.8	<1	1	0.6	1	0.7	<0.5	<0.5	<0.5	<1	<0.5				
Chromium (III+VI)	1	-	-	-	401	18	18	17	18	26	10	11	10	10	19	17	22	12	21	19	16	10	26	27	30	33	38	27	34	18	31	20	29	32	20	27		
Copper	1	-	2000	5000	100	15	17	18	17	11	19	38	38	34	10	19	14	11	16	20	28	17	29	14	17	23	22	26	11	49	18	9	29	27	32	28		
Manganese	1	-	3000	7500	500	500	540	500	468	700	13	140	1300	900	760	86	2200	810	400	500	360	500	840	970	500	814	510	300	1400	560	300	510	360	815	320			
Mercury	0.1	-	30	75	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Nickel	1	-	600	3000	60	7	6	6	5	6	5	17	16	13	6	16	11	3	8	6	15	12	10	7	6	9	10	7	13	11	2	13	10	15	14			
Lead	1	-	600	1500	600	29	24	14	24	20	7	15	15	13	52	22	31	10	24	52	14	20	30	22	100	96	166	300	29	100	29	11	29	24	29	20		
Zinc	1	-	14000	35000	200	43	33	25	22	18	22	60	60	60	30	88	22	37	10	94	140	22	70	59	51	200	150	451	330	82	340	71	7	66	58	58		
TPH																																						
C6 - C14	25	65	-	-	-	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
C10 - C19	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50		
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
<C10 - C36 (Sum of total)		1000	-	-	-	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	
BTX&E																																						
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Ethylbenzene	1	3.1	-	-	-	<1	<1	<1	<0.5	<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	
Toluene	0.5	1.4	-	-	-	<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	<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	
Xylene (m & p)	2	1	-	-	-	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Xylene (o)	1	1	-	-	-	<1	<1	<1	<0.5	<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	
Xylene Total		14	-	-	-	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC	<NC

Table 2a - Heavy Metals, TPH, BTEX - Superlot 2, Area A (Cont'd)

[illegible]

NOTES:

- All concentrations are in mg/kg
- 1- NSW EPA Guidelines for assessing service stations (NSW EPA, 1994)
- 2- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 3- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)

EQL - Laboratory Estimated Quantitation Limit

IS = insufficient sample for PID reading

IS - indicates that the criteria is not applicable for these analytes

< Value = Concentration less than laboratory EQL

NC - Non calculable

NA - Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample

Table 2b - VOCs, PCBs, OCPs - Superlot 2, Area A

Area of Site				Superlot 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Sample Location				TP3L2		TP4L2		TP5L2		TP5L2		TP5L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2		TP6L2	

Table 2a

ALL concentrations are in mg/kg

1 - HIL-E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)

2 - HIL-F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)

3 - LQL - Laboratory Estimated Quantitation Limit

S = Insufficient sample for PID reading

- = Indicates that the criteria is not applicable for these analytes

Value = Concentration less than laboratory EQL

NC = Not calculable

NA = Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample

TP3 2	TP4 2	TP5 2

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQI - Laboratory duplicate sample
- IS - Insufficient sample for PBI reading
- ** indicates that the criteria is not applicable for these analyses
- < Value = Concentration less than laboratory EQI
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 2c - SVOCs Table 2c - SVOCs - Superlot 2, Area A (Cont'd)

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQI - Laboratory duplicate sample
- IS - Insufficient sample for PBI reading
- ** indicates that the criteria is not applicable for these analyses
- < Value = Concentration less than laboratory EQI
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 2d - Asbestos - Superlot 2, Area A

Area of Site			Superlot 2																		
Sample ID			TP3L2	TP4L2	TP5L2	SP5L2	QA59	SP5L2	TP6L2	QA61	TP6L2	TP6L2	TP7L2	TP8L2	TP9L2	TP10L2	TP11L2	TP13L2	TP14L2	TP15L2	
Sample Type			SLB	SLB	SLB	SLB		Fragment	SLB	SLB	Fragment	Fragment	SLB	SLB	SLB	SLB	SS	SLB	SLB	SLB	
Laboratory Reference			79932-60	79932-68	79932-72	79932-76	79932-80	79932-77	79932-38	79932-81	79932-42	79932-43	79932-56	79932-52	79932-64	79932-A-84	79932-48	79932-44	80124-16	80124-20	
Depth (m bgs)			0.0-0.05	0.0-0.05	0.0-0.05	SP		SP	0.0-0.05		0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.05-0.05	0.05-0.05	
Date Sampled			4/10/12	4/10/12	4/10/12	4/10/12		4/10/12	4/10/12		4/10/12	4/10/12	4/10/12	4/10/12	4/10/12	4/10/12	4/10/12	4/10/12	8/10/12	8/10/12	
Components		WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																		
Sample Description				Brown finegrained clay soil	Brown finegrained clay soil	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Beige compressed fibre cement material	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Grey compressed fibre cement material	Beige compressed fibre cement material	Brown finegrained clay soil	Brown coarsegrained soil & rocks	Brown finegrained clay soil	Brown fine-grained soil & rocks	Brown coarse- grained soil	Brown coarsegrained soil & rocks	Dark grey fine- grained clay soil	Dark grey fine- grained clay soil & rocks
a) Chrysotile Asbestos		NA	NA	-	-	-	-	-	Present	-	-	Present	Present	-	-	-	-	-	-	-	-
b) Amosite Asbestos		NA	NA	-	-	-	-	-	Present	-	-	Present	Present	-	-	-	-	-	-	-	-
c) Crocidolite Asbestos		NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Sample mass (g)		NA	NA	484.91	309.93	657.92	468.33	565.95	-	326.92	409.93	-	-	440.37	601.45	311.90	474.87	13.22	552.20	520.83	588.20
e) Fragment Dimentions (mm)		NA	NA	-	-	-	-	-	221x105x4	-	-	43x30x8	95x67x4	-	-	-	-	-	-	-	-
f) Fibres (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)		NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	NC	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)		0.05%	NA						NC			NC	NC								

Table 2d - Asbestos - Superlot 2, Area A (Cont'd)

Area of Site			Superlot 2																	
Sample ID			TP16L2	BH17L2	BH17L2	TP18L2	TP19L2	TP21L2	TP22L2	QA63	TP22L2	TP22L2	TP22L2	TP22L2	TP23L2	TP24L2	TP27L2	QA55	TP28L2	SP28L2F
Sample Type			SLB	SS	SS	SLB	SLB	SLB	SLB	Fragment	Fragment	Fragment	Fragment	Fragment	SLB	SLB	SLB	SLB	SLB	Fragment
Laboratory Reference			79932-34	79070-22	79070-24	80124-25	79932-1	79932-30	80124-1	80124-50	80124-6	80124-7	80124-8	80124-9	80124-30	79932-26	79932-22	79932-78	79932-16	79932-21
Depth (m bgs)			0.0-0.05	0.0-0.05	0.5-0.6	0.05-0.05	0.0-0.05	0.0-0.05	0.05-0.05		0.0-0.05	0.1-0.15	0.0-0.05	0.1-0.15	0.0-0.05	0.0-0.05	0.0-0.05		0.0-0.05	SP
Date Sampled			4/10/12	17/09/12	17/09/12	8/10/12	3/10/12	3/10/12	8/10/12		8/10/12	8/10/12	8/10/12	3/10/12	8/10/12	3/10/12	3/10/12		3/10/12	3/10/12
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																
Sample Description			Brown coarsegrained soil, clay & rocks	Brown coarse- grained soil & debris	Beige fine-grained clay soil	Dark grey fine- grained clay soil	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Dark grey sandy clay soil & rocks	Dark grey fine- grained clay soil	Beige compressed fibre cement material	Grey compressed fibre cement material	Beige compressed fibre cement material	Beige compressed fibre cement material	Dark grey fine- grained clay soil & rocks	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Beige compressed fibre cement material
a) Chrysotile Asbestos	NA	NA	-	-	-	-	-	-	-	-	Present	Present	Present	Present	-	Present	-	Present	-	Present
b) Amosite Asbestos	NA	NA	-	-	-	-	-	-	-	-	Present	Present	Present	Present	-	-	-	Present	-	Present
c) Crocidolite Asbestos	NA	NA	-	-	-	-	-	-	-	-	-	Present	-	Present	-	-	-	Present	-	-
d) Sample mass (g)	NA	NA	462.39	40.00	40.00	364.48	540.94	509.90	291.39	248.44	-	-	-	-	696.50	423.12	532.59	391.61	417.54	-
e) Fragment Dimentions (mm)	NA	NA	-	-	-	-	-	-	-	-	103x90x5	140x100x4	50x42x5	102x60x5	-	NR	-	NR	-	57x33x4
f) Fibres (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1974	-	6.8472	-	-
h) Fibres by weight of ACM (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1796	-	-	-	-
i) AF w/w Analysis (%)	NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	NC	NC	NC	NC	No Asbestos Detected	NC	No Asbestos Detected	NC	No Asbestos Detected
j) ACM w/w Analysis (%)	0.05%	NA									NC	NC	NC	NC		0.28%		1.72%		NC

Table 2d - Asbestos - Superlot 2, Area A (Cont'd)

Area of Site																Area A			
Sample ID			TP29L2	SP29L2	SP29L2	SP29L2F	SP29L2F	TP30L2	TP31L2	TP31L2	TP32L2	TP32L2	TP32L2	SP33L2	QA65	TP34L2	TP01A	TP02A	TP12A
Sample Type			SLB	SLB	SLB	Fragment	Fragment	SLB	Fragment	SLB	SLB	Fragment	Fragment	SLB	SLB	SLB	SLB	SLB	SLB
Laboratory Reference			79932-5	79932-20	79932-9	79932-10	79932-11	79932-12	80124-44	80124-40	80124-45	80124-49	80124-35	80124-51	80124-12	78803-33	78803-37	78803-29	
Depth (m bgs)			0.0-0.05	SP	SP	SP	SP	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	SP		0.05-0.05	0.0-0.5	0.0-0.5	0.0-0.5	
Date Sampled			3/10/12	3/10/12	3/10/12	3/10/12	3/10/12	3/10/12	4/10/12	8/10/12	8/10/12	8/10/12	8/10/12		8/10/12	11/09/12	11/09/12	11/09/12	
Components	WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																	
Sample Description			Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Brown coarsegrained soil & rocks	Grey compressed fibre cement material	Grey compressed fibre cement material	Brown coarsegrained soil & rocks	Beige compressed fibre cement material	Dark grey fine-grained clay soil	Dark grey fine-grained clay soil & rocks	Beige compressed fibre cement material	Dark grey sandy soil & rocks	Dark grey sandy soil & rocks	Dark grey fine-grained clay soil & rocks	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown fine-grained soil	
a) Chrysotile Asbestos	NA	NA	-	-	-	Present	Present	-	Present	-	-	Present	-	-	-	-	-	-	
b) Amosite Asbestos	NA	NA	-	-	-	-	-	-	Present	-	-	-	-	-	-	-	-	-	
c) Crocidolite Asbestos	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d) Sample mass (g)	NA	NA	526.37	623.41	491.98	-	-	404.77	-	416.37	409.89	-	299.21	334.89	332.68	526.67	663.22	575.11	
e) Fragment Dimentions (mm)	NA	NA	-	-	-	35x17x7	50x17x5	-	54x45x5	-	-	75x40x6	-	-	-	-	-	-	
f) Fibres (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
g) ACM (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
h) Fibres by weight of ACM (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
i) AF w/w Analysis (%)	NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	NC	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
j) ACM w/w Analysis (%)	0.05%	NA				NC	NC		NC			NC							

Notes:
a) Chrysotile in ACM fragments (g)
b) Amosite in ACM fragments (g)
c) Crocidolite in ACM fragments (g)
d) Total mass of soil sample (g)
e) Laboratory reported dimentions of ACM fragments
f) Total free asbestos AF and FA (g)
g) Laboratory reported mass of ACM
h) Laboratory calculated fibres by weight of ACM (g)
i) Weight/Weight fibres in soil sample/sub-sample (%)
j) Weight/Weight ACM in soil sample/sub-sample (%)
NR = Not reported
NA = No criteria exist
SP = Stockpile
SS = Sub-sample
SLB = Snap Lock Bag
- = not identified
NC = Non calculable

Table 3a - Heavy Metals, TPH, BTEX - Area Y

Sample Location						TP1Y		BH2Y				TP3Y		TP4Y		TP5Y		TP6Y		TP7Y		TP8Y		TP9Y			
Sample ID						TP1Y	TP1Y	BH2Y	BH2Y	BH2Y	BH2Y	TP3Y	TP3Y	TP4Y	TP4Y	TP5Y	TP5Y	TP6Y	TP6Y	TP7Y	TP7Y	TP8Y	TP8Y	TP9Y	TP9Y	QAQC 33 (Intra Dupe for TP9Y)	QAQC 34 (Inter Dupe for TP9Y)
Depth (m bgs)						0-0.05	0.5-0.6	0-0.05	0.4-0.5	3-3.1	4-4.1	0-0.05	0.9-1	0-0.05	0.9-1	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0.1-0.15	0.1-0.15
Date Sampled						25/09/2012	25/09/2012	19/09/2012	19/09/2012	19/09/2012	19/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012
PID Reading						0.5	0.6	0.0	0.0	0.0	0.0	0.6	1.3	0.6	1.2	0.6	1.0	0.5	0.5	0.4	0.5	0.6	0.9	0.5	0.8	-	-
Soil Matrix Description						Topsoil	Clay	Clay	Clay	Clay	Clay	Topsoil	Clay	Topsoil	Clay	Topsoil	Clay	Topsoil	Topsoil	Topsoil	Topsoil	Clay	Topsoil	Topsoil	Topsoil	Topsoil	Topsoil
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																						
Heavy Metals																											
Arsenic	4	-	200	500	20	8	4	5	<4	5	<4	6	4	<4	4	4	<4	7	<4	<4	5	5	<4	<4	<4	<4	<5
Cadmium	0.5	-	40	100	3	<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	<0.5	<0.5	<0.5	<1	
Chromium (III+VI)	1	-	-	-	401	22	16	16	13	11	14	17	13	11	12	14	15	17	14	12	16	16	13	8	9	8	9
Copper	1	-	2000	5000	100	17	20	14	19	13	9	16	19	7	17	8	18	14	12	11	9	10	16	6	5	4	<5
Manganese	1	-	3000	7500	500	2300	20	870	26	490	49	1200	670	680	270	1400	98	1300	740	1100	910	1100	47	150	66	67	44
Mercury	0.1	-	30	75	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel	1	-	600	3000	60	10	5	8	5	11	3	8	13	5	9	6	9	7	6	6	6	5	6	3	3	3	3
Lead	1	-	600	1500	600	27	9	33	8	9	7	22	11	19	10	18	12	78	21	23	18	24	8	20	15	13	11
Zinc	1	-	14000	35000	200	33	17	44	14	33	10	29	26	24	20	13	18	140	56	40	11	28	16	29	12	11	8
TPH																											
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<10	
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
+C10 - C36 (Sum of total)	-	1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BTEX																											
Benzene	0.2	1	-	-	-	<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	<0.2	
Ethylbenzene	1	3.1	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	
Xylene (o)	1	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	
Xylene Total	-	14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NOTES:
All concentrations are in mg/kg
1 - NSW EPA Guidelines for assessing service stations (NSW EPA, 1994)
2 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
3 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
EQL - laboratory Estimated Quantitation Limit
IS = Insufficient sample for PID reading
"- " indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL
NC - Non calculable
NA - Not Analysed
Intra Dup - Intra-laboratory duplicate sample
Inter Dup - Inter-laboratory duplicate sample

Table 3a - Heavy Metals, TPH, BTEX - Area Y (Cont'd)

Sample Location						TP10Y				TP11Y			TP12Y		TP13Y		TP14Y		TP15Y			TP16Y		BH17Y				
Sample ID						TP10Y	QAQC 35 (Intra Dupe for TP10Y)	QAQC 36 (Inter Dupe for TP10Y)	TP10Y	TP11Y	TP11Y	TP12Y	TP12Y	TP13Y	TP13Y	TP14Y	TP14Y	TP15Y	TP15Y	QAQC 37 (Intra Dupe for TP15Y)	TP16Y	TP16Y	BH17Y	BH17Y	QAQC 18 (Intra Dupe for TP17Y)	BH17Y	BH17Y	BH17Y
Depth (m bgs)						0-0.05	0-0.05	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.9-1	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.9-1	0.9-1	0-0.05	0.5-0.6	0-0.05	1-1.1	1-1.1	2.5-2.6	5-5.1	
Date Sampled						25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	25/09/2012	19/09/2012	19/09/2012	19/09/2012	19/09/2012	19/09/2012	
PID Reading						0.8	-	0.9	0.5	0.5	1.5	1.5	0.7	1.0	0.5	0.6	0.5	1.1	0.0	0.4	0.4	0.0	0.0	-	0.1	0.0		
Soil Matrix Description						Topsoil		Topsoil		Topsoil		Clay		Topsoil		Clay		Topsoil		Clay		Topsoil		Clay		Shale		
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																							
Heavy Metals																												
Arsenic	4	-	200	500	20	<4	<4	<5	<4	<4	<4	6	<4	<4	8	6	7	5	6	7	<4	7	8	7	6	7		
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<1	<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	<0.5		
Chromium (III+VI)	1	-	-	-	401	8	7	7	9	8	8	19	12	11	22	15	23	17	13	22	15	24	21	17	10	19		
Copper	1	-	2000	5000	100	5	4	<5	4	5	4	6	14	7	7	6	15	12	12	14	8	10	10	29	26	13		
Manganese	1	-	3000	7500	500	74	63	79	14	79	14	110	6	180	28	270	18	610	19	8	1000	18	870	21	19	35		
Mercury	0.1	-	30	75	-	0.1	<0.1	<0.1	0.1	0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Nickel	1	-	600	3000	60	2	2	2	3	3	2	3	4	3	2	4	4	5	3	3	5	4	6	12	8	16		
Lead	1	-	600	1500	600	16	14	15	7	14	6	26	11	28	9	20	9	28	14	13	30	9	36	19	18	10		
Zinc	1	-	14000	35000	200	15	14	15	3	12	4	50	10	45	10	13	13	22	10	12	21	9	30	39	31	48		
TPH																												
C6 - C9	25	65	-	-	-	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50		
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
*C10 - C36 (Sum of total)	-	1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
BITX																												
Benzene	0.2	1	-	-	-	<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	<0.2		
Ethylbenzene	1	3.1	-	-	-	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Toluene	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	<0.5	<0.5	<0.5	<0.5	<0.5		
Xylene (m & p)	2	-	-	-	-	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
Xylene (o)	1	-	-	-	-	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Xylene Total	-	14	-	-	-	NC				NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		

NOTES:

All concentrations are in mg/kg

1 - NSW EPA Guidelines for assessing service stations (NSW EPA, 1994)

2 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)

3 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)

EQL - laboratory Estimated Quantitation Limit

IS = Insufficient sample for PID reading

-- indicates that the criteria is not applicable for these analytes

< Value = Concentration less than laboratory EQL

NC - Non calculable

NA - Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample



Table 3b - VOCs, PCBs, OCPs - Area Y

Sample Location		TP1Y		BH2Y			TP3Y			TP4Y		TP5Y		TP6Y		TP7Y		TP8Y		TP9Y		QAQC 33 (Intra Dupe for TP9Y)		QAQC 34 (Inter Dupe for TP9Y)		TP10Y		QAQC 35 (Intra Dupe for TP10Y)		QAQC 36 (Inter Dupe for TP10Y)		TP11Y		TP12Y		TP13Y		TP14Y		TP15Y		QAQC 37 (Intra Dupe for TP15Y)		TP16Y		BH17Y		QAQC 18 (Intra Dupe for TP17Y)		BH17Y	BH17Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Sample ID	Bgs	TP1Y	TP1Y	BH2Y	BH2Y	BH2Y	BH2Y	TP3Y	TP3Y	TP4Y	TP4Y	TP5Y	TP5Y	TP6Y	TP6Y	TP7Y	TP7Y	TP8Y	TP8Y	TP9Y	TP9Y	QAQC 33 (Intra Dupe for TP9Y)	QAQC 34 (Inter Dupe for TP9Y)	TP10Y	QAQC 35 (Intra Dupe for TP10Y)	QAQC 36 (Inter Dupe for TP10Y)	TP10Y	TP11Y	TP11Y	TP12Y	TP12Y	TP13Y	TP13Y	TP14Y	TP14Y	TP15Y	TP15Y	QAQC 37 (Intra Dupe for TP15Y)	TP16Y	TP16Y	BH17Y	BH17Y	QAQC 18 (Intra Dupe for TP17Y)	BH17Y	BH17Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Depth (m bgs)	Date Sampled	0-0.05	0.05-0.6	0-0.05	0.4-0.5	3-3.1	4-4.1	0-0.05	0-9.1	0-0.05	0-9.1	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.5-0.6	0-0.05	0-0.05	0.1-0.15	0-0.05	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	

NOTES:

- All concentrations are in mg/kg
- HL - HLE E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- HL - HLE F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQQL - Laboratory Estimated Quantitation Limit
- IS - Insufficient sample for P10 reading
- indicates that the criteria is not applicable for these analyses
- Value = Concentration less than laboratory EQQL
- NC - Non calculable
- NA - Not Analysed
- Inters Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 3c - SVOCs - Area Y

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - Laboratory Estimated Quantitation Limit
- IS - Insufficient sample for PID reading
- ** - Indicates that the criteria is not applicable for these analyses
- Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample



Table 3d

Client: Western Sydney Parklands Trust
Project: Environmental Site Assessment, Proposed Superlots 1,2 Areas A,C,P,Q,X Y, Eastern Creek Business Hub, Rooty Hill Road South, Rooty Hill NSW

Table 3d - Asbestos - Area Y

Sample ID			TP1Y	BH2Y	BH2Y	TP3Y	TP4Y	TP5Y	TP6Y	TP7Y	TP8Y	TP9Y	TP10Y	QAQC35		
Sample Type			SLB	SS	SS	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB		
Laboratory Reference			79537-5	79126-18	79126-20	79537-17	79537-62	79537-25	79537-9	79537-66	79537-54	79537-13	79537-50	79537-143		
Depth (m bgs)			0.0-0.05	0.0-0.05	0.4-0.5	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05			
Date Sampled			25/09/12	19/09/12	19/09/12	25/09/12	25/09/12	25/09/12	25/09/12	25/09/12	25/09/12	25/09/12	25/09/12			
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA												
Sample Description					Brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained soil & organic debris	Beige coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown fine-grained soil & organic debris	Brown coarse-grained clayey soil	Dark brown fine-grained sandy soil	Brown fine-grained sandy soil & rocks	Brown fine-grained soil & rocks
a) Chrysotile Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
d) Sample mass (g)			NA	NA	241.61	40.00	40.00	342.52	301.11	385.99	391.88	347.53	504.97	379.06	313.12	224.55
e) Fragment Dimentions (mm)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)			0.05%	NA												

Table 3d - Asbestos - Area Y (Cont'd)

Sample ID			TP11Y	TP12Y	TP13Y	TP14Y	TP15Y	TP16Y	BH17Y	BH17Y	QAQC18	BH22Y	BH22Y	
Sample Type			SLB	SLB	SLB	SLB	SLB	SLB	SS	SS	SS	SS	SS	
Laboratory Reference			79537-29	79537-46	79537-33	79537-21	79537-1	79537-70	79126-1	79126-4	79126-46	79126-32	79126-34	
Depth (m bgs)			0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	1.0-1.1		0.0-0.05	0.5-0.6	
Date Sampled			25/09/12	25/09/12	25/09/12	25/09/12	25/09/12	25/09/12	12/09/12	19/09/12		19/09/12	19/09/12	
Components		WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA											
Sample Description				Brown fine-grained clayey soil	Brown coarse-grained clay soil & rocks	Brown fine-grained sandy soil	Brown fine-grained soil & rocks	Brown coarse-grained clay soil & rocks	Brown coarse-grained clay soil & rocks	Brown fine-grained soil	Red-brown fine-grained clayey soil	Red-brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained clayey soil
a) Chrysotile Asbestos		NA	NA	-	-	-	-	-	-	-	-	-	-	-
b) Amosite Asbestos		NA	NA	-	-	-	-	-	-	-	-	-	-	-
c) Crocidolite Asbestos		NA	NA	-	-	-	-	-	-	-	-	-	-	-
d) Sample mass (g)		NA	NA	361.82	445.54	379.14	529.43	347.52	397.00	40.00	10.00	40.00	40.00	40.00
e) Fragment Dimentions (mm)		NA	NA	-	-	-	-	-	-	-	-	-	-	-
f) Fibres (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)		NA	NA	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)		NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)		0.05%	NA											

Notes:
a) Chrysotile in ACM fragments (g)
b) Amosite in ACM fragments (g)
c) Crocidolite in ACM fragments (g)
d) Total mass of soil sample (g)
e) Laboratory reported dimentions of ACM fragments
f) Total free asbestos AF and FA (g)
g) Laboratory reported mass of ACM
h) Laboratory calculated fibres by weight of ACM (g)
i) Weight/Weight fibres in soil sample/sub-sample (%)
j) Weight/Weight ACM in soil sample/sub-sample (%)
NR = Not reported
NA = No criteria exist
SP = Stockpile
SS = Sub-sample
SLB = Snap Lock Bag
- = not identified
NC = Non calculable

Sample Location					TP1X		TP2X		BH3X			TP4X		TP5X		TP6X			TP7X			TP8X			TP9X		TP10X		TP11X		TP12X		TP13X					
Sample ID					TP1X	TP1X	TP2X	TP2X	BH3X	BH3X	BH3X	BH3X	TP4X	TP4X	TP5X	TP5X	TP6X	TP6X	QAQC21 (Intra Dupe for TP6X)	QAQC22 (Inter Dupe for TP6X)	TP7X	QAQC19 (Intra Dupe for TP7X)	QAQC20 (Inter Dupe for TP7X)	TP7X	TP8X	TP8X	TP9X	TP9X	TP10X	TP10X	TP11X	QAQC23 (Intra Dupe for TP11X)	TP11X	TP12X	TP12X	TP13X	TP13X	
Depth (m bgs)					0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	2.5-2.6	4.5-4.5	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.9-1			0-0.05			0.5-0.6	0-0.05	0.5-0.6	0-0.05	0.9-1	0-0.05	0.9-1	0-0.05		0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	
Date Sampled					20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012			20/09/2012			20/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	21/09/2012	21/09/2012	21/09/2012		21/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	
PID Reading					0.2	0.6	0.1	0.8	0.3	0.3	0.4	0.7	0.0	0.0	0.0	0.1	0.5	0.4	-	-	0.7	-	-	0.5	0.1	0.4	0.5	0.7	0.0	0.4	0.4	-	0.4	0.1	0.2	0.6	0.6	
Soil Matrix Description					Topsoil	Clay	Topsoil	Clay	Topsoil	Clay		Shale	Topsoil	Clay	Topsoil		Topsoil	Clay			Topsoil			Clay	Topsoil	Clay	Topsoil	Clay	Topsoil	Clay	Fill		Topsoil		Topsoil			
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																																	
Heavy Metals																																						
Arsenic	4	-	200	500	3	5	<4	5	5	7	4	9	<4	5	<4	9	6	5	<4	<4	6	5	6	5	10	8	7	<4	8	7	7	10	6	6	5	5		
Cadmium	0.5	-	40	100	3	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Chromium (III+VI)	1	-	-	-	401	18	10	15	18	21	15	19	7	17	14	24	19	17	7	7	12	16	23	24	20	26	19	17	8	26	17	35	40	24	16	18	18	
Copper	1	-	2000	5000	100	20	17	18	17	13	18	21	17	15	18	16	13	8	10	9	12	6	6	8	12	13	15	10	7	15	18	18	28	15	18	8	8	
Manganese	1	-	3000	7500	500	1000	77	1600	980	2200	35	480	130	1100	240	2000	1500	440	5	6	6	230	220	304	18	380	18	160	4	400	20	440	650	910	1300	1500	390	270
Mercury	0.1	-	30	75	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Nickel	1	-	600	3000	60	10	6	10	8	8	4	10	10	9	5	8	5	4	2	2	3	4	4	5	6	5	4	2	5	5	35	27	7	4	4			
Lead	1	-	600	1500	600	29	9	30	18	26	13	17	11	31	10	36	23	6	7	10	2	6	13	14	18	29	6	13	24	18	18	29	30	25	23	20		
Zinc	1	-	14000	35000	200	81	18	41	24	28	21	53	47	94	20	45	20	24	10	11	15	19	18	15	62	15	27	7	51	14	43	62	55	71	63	21	16	
TPH																																						
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<10	<25	<19	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
C10-C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50			
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
C29-C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
HC10 - C36 (Sum of total)		1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
BTEX																																						
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
Ethylbenzene	1	3.1	-	-	-	<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	<1	<1			
Toluene	0.5	1.4	-	-	-	<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	<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			
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			
Xylene (o)	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	<1	<1			
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		

Sample Location						TP14X		TP15X		TP16X		TP17X		TP18X		TP19X		BH20X				TP21X		BH22X				TP23X		TP24X		TP25X		TP26X						
Sample ID						TP14X	TP14X	TP15X	TP15X	TP16X	TP16X	QAQC25 (Intra Dupe for TP16X)		TP17X	TP17X	TP18X	TP18X	TP19X	TP19X	BH20X	BH20X	BH20X	BH20X	TP21X	TP21X	BH22X	BH22X	BH22X	BH22X	TP23X	TP23X	TP24X	TP24X	QAQC27 (Intra Dupe for TP24X)		TP25X	TP25X	TP26X	TP26X	
Depth (m bgs)						0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15			0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.9-1	0-0.05	0.1-0.15	1.5-1.6	3.5-3.6	0-0.05	0.1-0.15		0-0.05	0.5-0.6	1.5-1.6	4.5-4.6	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0.1-0.15		
Date Sampled						21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012			21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	24/09/2012	24/09/2012	19/09/2012	19/09/2012	19/09/2012	19/09/2012	21/09/2012	21/09/2012	24/09/2012	24/09/2012	24/09/2012	24/09/2012	24/09/2012	24/09/2012			
PID Reading						0.2	0.3	0.5	0.6	0.2	0.3	-		0.3	0.3	0.3	0.3	0.4	0.5	1.5	0.4	0.7	0.5	0.9	0.3	0.2		19/09/2012	19/09/2012	19/09/2012	19/09/2012	0.6	0.7	0.4	0.3	-		0.4	0.4	
Soil Matrix Description						Topsoil		Fill		Topsoil				Topsoil	Clay	Fill	Topsoil	Topsoil	Clay	Topsoil	Clay	Shale	Topsoil								0.6	0.7	0.4	0.3			Fill	Clay	Topsoil	Clay
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																																			
Heavy Metals																																								
Arsenic	4	-	200	500	20	6	5	6	7	7	6	6	5	5	9	10	7	<4	5	<4	10	<4	7	5	6	<4	7	10	7	5	5	5	7	<4	<4	7	6			
Cadmium	0.5	-	40	100	3	<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	<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				
Chromium (III+VI)	1	-	-	-	401	21	18	21	22	21	21	19	22	17	20	21	18	12	19	16	15	8	19	19	17	12	13	13	19	16	17	14	21	16	13	23	20			
Copper	1	-	2000	5000	100	8	4	10	11	10	9	9	11	15	46	15	8	13	7	12	11	34	8	9	10	16	18	24	31	14	13	24	13	11	19	16	29	22		
Manganese	1	-	3000	7500	500	1800	1700	970	1000	1300	1100	1100	570	25	550	2400	590	290	1200	120	3100	17	3800	2200	3900	44	120	820	3200	2400	1600	3400	2800	760	37	1200	200			
Mercury	0.1	-	30	75	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<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	<0.1	<0.1				
Nickel	1	-	600	3000	60	30	6	6	7	6	5	4	6	9	6	4	9	6	5	24	9	7	6	13	4	19	15	8	7	11	9	10	13	8	11	15	15			
Lead	1	-	600	1500	600	25	20	30	28	27	21	21	24	12	110	31	29	10	18	8	28	4	34	22	26	8	20	22	30	25	39	24	26	31	14	50	15			
Zinc	1	-	14000	35000	200	56	14	58	88	25	16	16	34	12	240	62	34	12	14	12	52	37	27	11	24	14	45	56	38	29	98	17	96	83	14	110	24			
TPH																																								
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25			
C10-C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50			
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
C29-C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
+C10 - C36 (Sum of total)						NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
BTX																																								
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
Ethylbenzene	1	3.1	-	-	-	<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	<1	<1	<1	<1			
Toluene	2	1.4	-	-	-	<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	<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			
Xylene (m & p)	0.2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			
Xylene (o)	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	<1	<1	<1	<1			
Xylene Total	1	14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		

NOTES:

- All concentrations are in mg/kg
 - NSW EPA Guidelines for assessing service stations (NSW EPA, 1994)
 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- LQL - Laboratory Estimated Quantitation Limit
- S - Insufficient sample for PID reading
- * indicates that the criteria is not applicable for these analytes
- value = Concentration less than laboratory EQL
- VC - Non calculable
- VA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4a - Heavy Metals, TPH, BTEX - Area X (Cont'd)

Sample Location						TP41x						TP42x		TP43x		TP44x		TP45x		TP46x		TP47x		TP48x		TP49x		TP50x					
Sample ID						TP41x	QA5 (Intra Dupe for TP41X)	QA6 (Inter Dupe for TP41X)	TP41x	QA7 (Intra Dupe for TP41X)	QA8 (Inter Dupe for TP41X)	TP42x	TP42x	TP43x	TP43x	TP44x	TP44x	TP45x	TP45x	TP46x	TP46x	TP47x	TP47x	TP48x	TP48x	TP49x	TP49x	TP50x	TP50x				
Depth (m bgs)						0.0-05						0.0-05		0.1-0.15		0.0-05		0.1-0.15		0.1-0.15		0.3-0.4		0.0-05		0.1-0.15		0.0-05		0.1-0.15			
Date Sampled						12/09/2012						12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012		12/09/2012			
PID Reading						0.0						0.0		0.1		0.2		0.2		0.1		0.2		0.3		0.2		3.5		0.0		0.0	
Soil Matrix Description						Topsoil						Topsoil		Topsoil		Topsoil		Clay		Clay		Topsoil		Fill		Topsoil		Topsoil		Topsoil			
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴																												
Heavy Metals																																	
Arsenic	4	-	200	500	20	5	5	6	5	4	6	<4	5	10	7	<4	4	5	7	<4	<4	29	17	5	6	<4	4	5	6				
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	22	9.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Chromium (III+VI)	1	-	-	-	401	17	20	19	17	15	18	15	18	21	22	10	16	14	20	10	12	57	45	30	23	13	14	16	19				
Copper	1	-	2000	5000	100	16	15	18	18	7	8	7	11	29	23	4	15	10	22	4	6	11,000	1400	430	29	13	14	12	12				
Manganese	1	-	3000	7500	500	300	290	343	210	200	274	230	100	309	193	250	28	660	50	350	82	3700	830	560	590	930	610	100	1000				
Mercury	0.1	-	30	75	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.4	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Nickel	1	-	600	3000	60	3	4	4	3	3	3	4	5	12	9	3	5	4	5	3	4	62	49	25	16	7	9	6	7				
Lead	1	-	600	1500	600	18	21	25	14	12	18	15	13	24	22	13	9	26	14	14	10	1100	770	100	26	26	23	26	23				
Zinc	1	-	14000	35000	200	56	63	64	30	26	77	21	14	45	30	14	14	28	24	15	8	6800	5800	180	56	38	32	35	21				
TPH																																	
C8 - C9	25	65	-	-	-	<25	<25	<10	<25	<25	<10	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25				
C10-C14	50	-	-	-	-	<50	<50	<10	<50	<50	<10	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50				
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100				
C29-C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100				
+C10 - C36 (Sum of total)						NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	320	340	NC	NC	NC	NC	NC	NC	NC	NC		
BTX																																	
Benzene	0.2	1	-	-	-	<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	<0.2	<0.2	<0.2	<0.2				
Ethylbenzene	1	3.1	-	-	-	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Toluene	0.5	1.4	-	-	-	<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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Xylene (m & p)	2	-	-	-	-	<2	<2	<0.5	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
Xylene (o)	1	-	-	-	-	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Xylene Total	-	14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC			

NOTES:

- All concentrations are in mg/kg
- 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - laboratory Estimated Quantitation Limit
- IS = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- < Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4b - VOCs, PCBs, OCPs - Area X (Cont'd)

Sample Location				TP13X		TP14X		TP15X		TP16X			TP17X		TP18X		TP19X		BH20X				TP21X		BH22X				TP23X		TP24X			TP25X	
Sample ID				TP13X	TP13X	TP14X	TP14X	TP15X	TP15X	TP16X	TP16X	QAQC25 (Intra Dupe for TP16X)	TP17X	TP17X	TP18X	TP18X	TP19X	TP19X	BH20X	BH20X	BH20X	BH20X	TP21X	TP21X	BH22X	BH22X	BH22X	BH22X	TP23X	TP23X	TP24X	TP24X	QAQC27 (Intra Dupe for TP24X)	TP25X	TP25X
Depth (m bgs)				0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15		0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.9-1	0-0.05	0.1-0.15	1.5-1.6	3.5-3.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	1.5-1.6	4.5-4.6	0-0.05	0.1-0.15	0-0.05	0.1-0.15		0-0.05	0.5-0.6
Date Sampled				20/09/2012	20/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012		21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	24/09/2012	24/09/2012	19/09/2012	19/09/2012	19/09/2012	19/09/2012	21/09/2012	21/09/2012	24/09/2012	24/09/2012		24/09/2012	24/09/2012
Compound	EQL	NEPM 1999 HIL E ¹	NEPM 1999 HIL F ²																																
VOCs																																			
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,1,1-trichloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,1,1,2,2-tetrachloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,1,2-trichloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,1-dichloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,1-dichloropropene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2,3-trichloropropane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2-dichloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,3-dichloropropane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
2,2-dichloropropane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Bromodichloromethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Bromoform	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Carbon tetrachloride	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Chlorodibromomethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Chloroethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Chloroform	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Chloromethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
cis-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
cis-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Dibromomethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Trichloroethene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Tetrachloroethene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
trans-1,2-dichloroethene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
trans-1,3-dichloropropene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Vinyl chloride	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2,3-trichlorobenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
2-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
4-chlorotoluene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Bromobenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Chlorobenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2-dibromoethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Bromomethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Dichlorodifluoromethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Trichlorofluoromethane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,2,4-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
1,3,5-trimethylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Isopropylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
n-butylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
n-propylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
p-isopropyltoluene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
sec-butylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Styrene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
tert-butylbenzene	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA		
Cyclohexane	1	-	-	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	<1						

NOTES:

- All concentrations are in mg/kg
- 1- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - laboratory Estimated Quantitation Limit
- S = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- < Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4b - VOCs, PCBs, OCPs - Area X (Cont'd)

[illegible]

NOTES:

- All concentrations are in mg/kg
- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQL - laboratory Estimated Quantitation Limit
- S = Insufficient sample for PID reading
- " " indicates that the criteria is not applicable for these analytes
- Value = Concentration less than laboratory EQL
- JC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4b - VOCs, PCBs, OCPs - Area X (Cont'd)

Sample Location				TP40x		TP41x						TP42x		TP43x		TP44x		TP45x		TP46x		TP47x		TP48x		TP49x		TP50x		Area X		
Sample ID				TP40x	TP40x	TP41x	QA5 (Intra Dupe for TP41X)	QA6 (Inter Dupe for TP41X)	TP41x	QA7 (Intra Dupe for TP41X)	QA8 (Inter Dupe for TP41X)	TP42x	TP42x	TP43x	TP43x	TP44x	TP44x	TP45x	TP45x	TP46x	TP46x	TP47x	TP47x	TP48x	TP48x	TP49x	TP49x	TP50x	TP50x	DSP	ECBH-CAR	
Depth (m bgs)				0-0.05	0.1-0.15	0-0.05		0.1-0.15				0-0.05		0-0.05	0.1-0.15	0-0.05	0.45-0.55	0-0.05	0.95-1.05	0-0.05	0.1-0.15	0.1-0.15	0.3-0.4	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0-0.05	
Date Sampled				12/09/2012	12/09/2012	12/09/2012		12/09/2012				12/09/2012	12/09/2012	11/09/2012	11/09/2012	12/09/2012	12/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012	13/09/2012	13/09/2012	12/09/2012	12/09/2012	13/09/2012	13/09/2012	13/09/2012	13/09/2012	13/09/2012	12/09/2012	
Compound	EQL	NEPM 1999 HIL E ¹	NEPM 1999 HIL F ²																													
VOCs																																
1,1,1,2-tetrachloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<0.2	<0.2	
1,1,1-trichloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,1,2,2-tetrachloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<0.5	<0.5	
1,1,2-trichloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<2	<2	
1,1-dichloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,1-dichloropropene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<0.5	<0.5	
1,2,3-trichloropropane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2-dibromo-3-chloropropane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2-dichloroethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2-dichloropropane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,3-dichloropropane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
2,2-dichloropropane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Bromodichloromethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Bromoform	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Carbon tetrachloride	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Chlorodibromomethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Chloroethane	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Chloroform	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Chloromethane	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
cis-1,2-dichloroethene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
cis-1,3-dichloropropene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Dibromomethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Trichloroethene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Tetrachloroethene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
trans-1,2-dichloroethene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
trans-1,3-dichloropropene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Vinyl chloride	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2,3-trichlorobenzene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
2-chlorotoluene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
4-chlorotoluene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Bromobenzene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Chlorobenzene	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2-dibromoethane	1	-	-	NA	<1	<1	<1	<0.5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Bromomethane	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Dichlorodifluoromethane	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
Trichlorofluoromethane	1	-	-	NA	<1	<1	<1	<5	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	<1	NA	NA	<1	<1	NA	<1	<1	
1,2,4-trimethylbenzene	1	-	-	NA	<1																											

Table 4c - SVOCs - Area X

Sample Location		TP1X		TP2X		BH3X				TP4X		TP5X		TP6X		TP7X		TP8X		TP9X		TP10X		TP11X		TP12X		TP13X		TP14X		TP15X							
Sample ID		TP1X	TP1X	TP2X	TP2X	BH3X	BH3X	BH3X	BH3X	TP4X	TP4X	TP5X	TP5X	TP6X	TP6X	QAQC21 (Intra Duple for TP6X)	QAQC22 (Intra Duple for TP6X)	TP7X	QAQC19 (Intra Duple for TP7X)	QAQC20 (Intra Duple for TP7X)	TP7X	TP8X	TP8X	TP9X	TP9X	TP10X	TP10X	TP11X	QAQC23 (Intra Duple for TP11X)	TP11X	TP12X	TP12X	TP13X	TP13X	TP14X	TP14X	TP15X	TP15X	
Depth (m bgs)		0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05	0.5-0.6	2.5-2.6	4.5-4.5	0-0.05	0.5-0.6	0-0.05	0.1-0.15	0-0.05		0-9.1			0-0.05			0.5-0.6	0-0.05	0.5-0.6	0-0.05	0-9.1	0-0.05	0-9.1	0-0.05		0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15		
Date Sampled		20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012	20/09/2012			20/09/2012			20/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	21/09/2012	21/09/2012	21/09/2012		21/09/2012	21/09/2012	21/09/2012	20/09/2012	20/09/2012	21/09/2012	21/09/2012	21/09/2012	
Compound		EQL	NEPM 1999 HIL F ²	NEPM 1999 HIL F ²																																			
NYOCs																																							
N-nitrosodi-n-butylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
N-nitrosodi-n-propylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1-naphthylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2-naphthylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Diphenylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2-nitroaniline	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	<1	<1	<1	<1	<1	<1	<1	
3-nitroaniline	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	<1	<1	<1	<1	<1	<1	<1	
4-chloroaniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
4-nitroaniline	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	<1	<1	<1	<1	<1	<1	<1	
2-methyl-5-nitroaniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Aniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachlorobutadiene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachlorocyclopentadiene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2.5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachloroethane	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,3-dinitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,6-dinitrotoluene	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	<1	<1	<1	<1	<1	<1	<1	
Nitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachlorobenzene	0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2,4,5-tetrachlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2,4-trichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,3-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,4-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Pentachlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,3,4,6-tetrachlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,4,5-trichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,4,6-trichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,4-dichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,6-dichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2-chlorophenol	1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Pentachlorophenol	10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1	<10	<1	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachloronitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
4,4-DDE	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
a-BHC	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	

NOTES:

All concentrations are in mg/kg

1 - Hill E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999, NSW DEC 2006)

2 - Hill F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999, NSW DEC 2006)

EQL - laboratory Estimated Quantitation Limit

IS = insufficient sample for PID reading

"-" indicates that the criteria is not applicable for these analytes

< Value = Concentration less than laboratory EQL

NC - Non calculable

NA - Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample

Table 4c

NOTES:

- All Concentrations are in mg/kg
- 1 - Hill Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- 2 - Hill F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- EQI - laboratory Estimated Quantitation Limit
- IS = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- <Value = Concentration less than laboratory EQI
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4c - SVOCs - Area X (Cont'd)

Sample Location		TP31X		TP32X		TP33X		TP34x		TP35x		TP36x		TP37x		TP38x		TP39x		TP40x		TP41x			TP42x		TP43x		TP44x		TP45x								
Sample ID		TP31X	TP31X	TP32X	TP32X	TP33X	TP33X	TP34x	TP34x	TP35x	TP35x	TP36x	TP36x	TP37x	TP37x	TP38x	QA1 (Intra Dupe for TP38X)	QA2 (inter Dupe for TP38X)	TP38x	QA3 (Intra Dupe for TP38X)	QA4 (inter Dupe for TP38X)	TP39x	Dupe for TP39x	TP40x	TP40x	TP41x	QA5 (Intra Dupe for TP41X)	QA6 (inter Dupe for TP41X)	TP41x	QA7 (Intra Dupe for TP41X)	QA8 (inter Dupe for TP41X)	TP42x	TP42x	TP43x	TP43x	TP44x	TP44x	TP45x	
Depth (m bgs)		0-0.05	0.9-1	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.45-0.55	0-0.05	0.45-0.55		0-0.05			0.1-0.15		0-0.5	0.95-1.05	0-0.05	0.1-0.15		0-0.05			0.1-0.15		0-0.05	TP42x	TP42x	TP43x	TP43x	TP44x	TP44x	TP45x
Date Sampled		24/09/2012	24/09/2012	24/09/2012	24/09/2012	24/09/2012	24/09/2012	13/09/2012	13/09/2012	12/09/2012	12/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012				11/09/2012		11/09/2012	12/09/2012	12/09/2012	12/09/2012	12/09/2012		12/09/2012		12/09/2012		12/09/2012	12/09/2012	11/09/2012	11/09/2012	12/09/2012	12/09/2012	11/09/2012	
Compound		EQL	NEPM 1999 HIL F ²	NEPM 1999 HIL F ²																																			
SVOCs																																							
N-nitrosodi-n-butylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	
N-nitrosodi-n-propylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	
1-naphthylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	
2-naphthylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	
Diphenylamine	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1		
2-nitroaniline	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	<1	<1	<1	<1	<1	<1		
3-nitroaniline	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	<1	<1	<1	<1	<1	<1		
4-chloroaniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1		
4-nitroaniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2-methyl-5-nitroaniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Aniline	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Hexachlorobutadiene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Hexachlorocyclopentadiene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2.5	<1	<1	<2.5	<1	<1	<1	<1	<1	<1	<1	<1	<2.5	<1	<1	<2.5	<1	<1	<1	<1	<1		
Hexachloroethane	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
1,3-dinitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1		
2,6-dinitrotoluene	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	<1	<1	<1	<1	<1	<1		
Nitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Hexachlorobenzene	0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
1,2,4,5-tetrachlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1		
1,2,4-trichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
1,2-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
1,3-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
1,4-dichlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Pentachlorobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2,3,4,6-tetrachlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1		
2,4,5-trichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2,4,6-trichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2,4-dichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2,6-dichlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
2-chlorophenol	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
Pentachlorophenol	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	<10	<10	<10	<10	<10	<10	<10		
Pentachloronitrobenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1		
4,4-DDE	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	NA	<1	<1	<1	<1	<1		
a-BHC	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
Aldrin	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1</																

NOTES:
All concentrations are in mg/kg
1 - Hill E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
2 - Hill F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
EQL - laboratory Estimated Quantitation Limit
IS = Insufficient sample for PID reading
"- " indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL
NC - Non calculable
NA - Not Analysed
Intra Dup - Intra-laboratory duplicate sample
Inter Dup - Inter-laboratory duplicate sample

NOTES:

- All concentrations are in mg/kg
- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- QL - laboratory Estimated Quantitation Limit
- S = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- < Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

NOTES:

- All concentrations are in mg/kg
- HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
- HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
- QL - laboratory Estimated Quantitation Limit
- S = Insufficient sample for PID reading
- "-" indicates that the criteria is not applicable for these analytes
- < Value = Concentration less than laboratory EQL
- NC - Non calculable
- NA - Not Analysed
- Intra Dup - Intra-laboratory duplicate sample
- Inter Dup - Inter-laboratory duplicate sample

Table 4d - Asbestos - Area X

Sample ID			TP1X	TP1X	BH3X	BH3X	TP4X	TP5X	TP6X	TP7X	QAQC19	TP8X	TP10X	TP11X	TP11X		TP12X	TP14X	TP15X	TP16X	TP17X	TP18X	TP19X	TP23X		
Sample Type			SLB	SLB	SS	SS	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	Fragment		79382-5	79382-17	79382-43	79382-13	79382-9	79382-25	79382-21	79382-33		
Laboratory Reference			79247-29	79247-33	79247-1	79247-3	79247-37	79247-41	79247-45	79247-49	79247-61	79382-29	79382-1	79382-37	79382-41	79382-42	79382-5	79382-17	79382-43	79382-13	79382-9	79382-25	79382-21	79382-33		
Depth (m bgs)			0.0-0.05	0.0-0.05	0.0-0.05	0.5-0.6	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05		0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05F	0.0-0.05SF	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05		
Date Sampled			20/09/12	20/09/12	20/09/12	20/09/12	20/09/12	20/09/12	20/09/12	20/09/12		21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12	21/09/12		
Components			WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																						
Sample Description					Brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained clayey soils	Red-brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown fine-grained clayey soil	Brown coarse-grained soil & rocks	Brown fine-grained soil & debris	Brown coarse-grained clayey soil	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Red-brown fine-grained clay soil	Assorted fibre cement	Assorted fibre cement fragments	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris		
a) Chrysotile Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	Present	Present	-	-	-	-	-	-		
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	Present	Present	-	-	-	-	-	-		
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	Present	Present	-	-	-	-	-	-	-		
d) Sample mass (g)			NA	NA	191.45	277.81	40.00	40.00	195.28	344.84	546.21	227.79	285.21	313.81	214.99	419.87	-	-	401.45	387.82	421.48	522.91	361.84	256.94	372.03	416.54
e) Fragment Dimentions (mm)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	170x125x5	155x140x5	-	-	-	-	-	-	-		
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		
j) ACM w/w Analysis (%)			0.05%	NA	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		

Table 4d - Asbestos - Area X (Cont'd)

Sample ID	TP33X	TP29X	TP15X	TP13X	BH20X	BH20X	TP21X	TP24X	TP25X	TP26X	TP27X	TP28X	QAQC29	TP30X	TP31X	TP32X	TP34X	TP35X	TP36x	TP37X	TP38X	TP40x
Sample Type	SLB	SLB	Fragment	SLB	SS	SS	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	SLB	Fragment	SLB
Laboratory Reference	79382-47	79382-67	79382-93	79247-57	79247-15	79247-16	79382-79	79382-71	79382-75	79382-83	79537-58	79382-52	79382-90	79382-55	79382-59	79382-63	78908-31	78908-1	78803-16	78803-25	78803-11	78803-1
Depth (m bgs)	0.0-0.05	0.0-0.05	0.0-0.05F	0.0-0.05	0.0-0.05	0.1-0.15	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.1-0.15	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled	24/09/12	24/09/12	24/09/12	20/09/12	20/09/12	20/09/12	24/09/12	24/09/12	24/09/12	24/09/12	25/09/12	24/09/12	24/09/12	24/09/12	24/09/12	24/09/12	24/09/12	24/09/12	12/09/12	12/09/12	11/09/12	11/09/12
Components	WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																				
Sample Description			Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Grey compressed cement fragments	Brown fine-grained clayey soils	Brown fine-grained soil	Brown fine-grained clayey soils	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown coarse-grained clay soil	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown fine-grained soil & organic debris	Brown coarse-grained soil & debris	Brown fine-grained soil & debris	Brown coarse-grained soil & debris	Beige compressed fiber cement material
a) Chrysotile Asbestos	NA	NA	-	-	-	-	-	-	Present	-	-	-	-	-	-	-	-	-	-	-	-	Present
b) Amosite Asbestos	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present
c) Crocidolite Asbestos	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Sample mass (g)	NA	NA	409.28	301.72	-	449.79	40.00	40.00	473.13	384.54	414.86	229.83	274.20	139.93	399.53	269.07	298.17	260.09	420.59	622.80	640.79	617.89
e) Fragment Dimentions (mm)	NA	NA	-	-	140x80x23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143x71x10
f) Fibres (g)	NA	NA	-	-	-	-	-	-	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
h) Fibres by weight of ACM (g)	NA	NA	-	-	-	-	-	-	NC	-	-	-	-	-	-	-	-	-	-	-	-	-
i) AF w/w Analysis (%)	NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	0.0001%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC
j) ACM w/w Analysis (%)	0.05%	NA	-	-	-	-	-	-	NC	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos Detected

Table 4d - Asbestos - Area X (Cont'd)

Sample ID			TP43x	TP38X	TP38x	QA1	TP39X	TP40X	TP41X	TP42X	TP43X	TP44X	TP45x	TP47X	TP48X	TP49X	TP50X		
Sample Type			SLB	Fragment	SLB	SLB	SLB	SLB	SLB	SLB	Fragment	SLB	SLB	SLB	SLB	SLB	SLB		
Laboratory Reference			78803-5	78803-12	78803-10	78803-41	78908-5	78908-13	78908-9	78908-21	78803-6	78908-17	78803-21	78908-37	78908-26	78908-42	78908-45		
Depth (m bgs)			0.0-0.5	0.0-0.5	0.0-0.5		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5		
Date Sampled			11/09/12	11/09/12	11/09/12		12/09/12	12/09/12	12/09/12	12/09/12	12/09/12	11/09/12	12/09/12	11/09/12	12/09/12	12/09/12	12/09/12		
Components		WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA																
Sample Description					Brown coarse-grained soil & debris	Beige compressed fibre cement material	Brown coarse-grained soil & debris	Brown coarse-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown fine-grained soil & debris	Brown coarse-grained clay soil	Grey compressed fibre cement material	Brown fine-grained soil & debris	Brown fine-grained soil & rocks	Red-brown fine-grained soil & debris	Brown coarse-grained clay soil	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
a) Chrysotile Asbestos			NA	NA	-	Present	-	-	-	-	-	-	Present	-	-	Present	-	-	-
b) Amosite Asbestos			NA	NA	-	-	-	-	-	-	-	-	Present	-	-	Present	-	-	-
c) Crocidolite Asbestos			NA	NA	-	-	-	-	-	-	-	-	-	-	-	Present	-	-	-
d) Sample mass (g)			NA	NA	494.16	-	415.88	439.73	492.96	564.47	396.20	256.48	-	601.55	497.17	447.40	376.47	505.32	350.55
e) Fragment Dimentions (mm)			NA	NA	-	33x26x4	-	-	-	-	-	-	165x60x20	-	-	NR	-	-	-
f) Fibres (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	16.7706	-	-	-
h) Fibres by weight of ACM (g)			NA	NA	-	-	-	-	-	-	-	-	-	-	-	2.5156	-	-	-
i) AF w/w Analysis (%)			NA	0.001	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)			0.05%	NA		NC	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	NC	No Asbestos Detected	No Asbestos Detected	3.75%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Notes:
a) Chrysotile in ACM fragments (g)
b) Amosite in ACM fragments (g)
c) Crocidolite in ACM fragments (g)
d) Total mass of soil sample (g)
e) Laboratory reported dimentions of ACM fragments
f) Total free asbestos AF and FA (g)
g) Laboratory reported mass of ACM
h) Laboratory calculated fibres by weight of ACM (g)
i) Weight/Weight fibres in soil sample/sub-sample (%)
j) Weight/Weight ACM in soil sample/sub-sample (%)
NR = Not reported
NA = No criteria exist
SP = Stockpile
SS = Sub-sample
SLB = Snap Lock Bag
- = not identified
NC = Non calculable

Table 5a - Heavy Metals, TPH, BTEX - Area C

Sample Location						TP25C			TP26C		TP35C				TP36C		
Sample ID						TP25C	TP25C	QA71 (Intra Dupe for SP25C)	TP26C	TP26C	TP35C	QA69 (Intra Dupe for SP35C)	TP35CA	TP35C	TP36C	QA67 (Intra Dupe for SP36C)	TP36C
Depth (m bgs)						0-0.05		0.1-0.15		0-0.05		0-0.05		0-0.05		0.1-0.15	
Date Sampled						9/10/2012		9/10/2012		9/10/2012		9/10/2012		9/10/2012		9/10/2012	
PID Reading						0.2		0.1		0.1		0.0		0.0		0.0	
Soil Matrix Description						Fill			Fill	Clay	Fill			Clay	Fill	Clay	
Compound	EQL	EPA 1994 Health and Ecological ¹	NEPM 1999 HIL E ²	NEPM 1999 HIL F ³	DEC 2 PILs (Column 5) ⁴												
Heavy Metals																	
Arsenic	4	-	200	500	20	<4	8	7	5	6	8	13	<4	7	<4	9	7
Cadmium	0.5	-	40	100	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	0.5	<0.5
Chromium (III+VI)	1	-	-	-	401	6	20	20	15	30	19	18	3	18	36	27	25
Copper	1	-	2000	5000	100	38	7	7	25	15	27	34	90	15	37	19	16
Manganese	1	-	3000	7500	500	560	390	400	590	44	360	770	300	18	490	100	180
Mercury	0.1	-	30	75	-	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	1	-	600	3000	60	17	3	3	14	13	11	15	5	4	34	4	7
Lead	1	-	600	1500	600	17	17	18	15	16	7	23	7	13	13	17	14
Zinc	1	-	14000	35000	200	54	9	8	41	13	34	57	27	10	53	17	20
TPH																	
C6 - C9	25	65	-	-	-	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
C10 - C14	50	-	-	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15 - C28	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	150	<100	<100	<100	<100
C29 - C36	100	-	-	-	-	<100	<100	<100	<100	<100	<100	<100	740	<100	260	<100	<100
+C10 - C36 (Sum of total)		1000	-	-	-	NC	NC	NC	NC	NC	NC	NC	890	NC	260	NC	NC
BTEX																	
Benzene	0.2	1	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	1	3.1	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	0.5	1.4	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene (m & p)	2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene (o)	1	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene Total		14	-	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NOTES:

All concentrations are in mg/kg

1 - NSW EPA Guidelines for assessing service stations (NSW EPA, 1994)

2 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)

3 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)

EQL - laboratory Estimated Quantitation Limit

IS = Insufficient sample for PID reading

"- " indicates that the criteria is not applicable for these analytes

< Value = Concentration less than laboratory EQL

NC - Non calculable

NA - Not Analysed

Intra Dup - Intra-laboratory duplicate sample

Inter Dup - Inter-laboratory duplicate sample

Table 5b - VOCs, PCBs, OCPs - Area C

Sample Location				TP25C			TP26C		TP35C				TP36C		
Sample ID				TP25C	TP25C	QA71 (Intra Dupe for SP25C)	TP26C	TP26C	TP35C	QA69 (Intra Dupe for SP35C)	TP35CA	TP35C	TP36C	QA67 (Intra Dupe for SP36C)	TP36C
Depth (m bgs)				0-0.05	0.1-0.15	0.1-0.15	0-0.05	0.5-0.6	0-0.05	0-0.05	0-0.05	0.1-0.15	0-0.05	0-0.05	0.1-0.15
Date Sampled				9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012	9/10/2012
Compound	EQL	NEPM 1999 HIL E ¹	NEPM 1999 HIL F ²												
VOCs															
Benzene	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
Ethylbenzene	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	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
Xylene (m & p)	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene (o)	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1,1-trichloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1,2,2-tetrachloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1,2-trichloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1-dichloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1-dichloroethene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,1-dichloropropene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2,3-trichloropropane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2-dibromo-3-chloropropane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2-dichloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2-dichloropropane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,3-dichloropropane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
2,2-dichloropropane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Bromodichloromethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Bromoform	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Carbon tetrachloride	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Chlorodibromomethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Chloroethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Chloroform	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Chloromethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
cis-1,2-dichloroethene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
cis-1,3-dichloropropene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Dibromomethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Trichloroethene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Tetrachloroethene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
trans-1,2-dichloroethene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
trans-1,3-dichloropropene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Vinyl chloride	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2,3-trichlorobenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
2-chlorotoluene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
4-chlorotoluene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Bromobenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Chlorobenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2-dibromoethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Bromomethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Dichlorodifluoromethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Trichlorofluoromethane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,2,4-trimethylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
1,3,5-trimethylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Isopropylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
n-butylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
n-propylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
p-isopropyltoluene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
sec-butylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Styrene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
tert-butylbenzene	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
Cyclohexane	1	-	-	<1	NA	NA	<1	NA	<1	<1	<1	NA	<1	NA	NA
PCBs															
Arochlor 1016	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1221	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1232	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1242	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1248	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1254	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
Arochlor 1260	0.1	-	-	<0.1	NA	NA	<0.1	NA	<0.1	<0.1	<0.1	NA	<0.1	NA	NA
PCBs (Sum of total)		20	50	NC	NA	NA	NC	NA	NC	NC	NC	NA	NC	NA	NA
OCPs															
Hexachlorobenzene	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4-DDE	0.3	-	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
a-BHC	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin + Dieldrin	0.1	20	50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlordane (cis)	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlordane (trans)	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DDD	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DDT	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DDT+DDE+DDD	0.2	400	1000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (Lindane)	0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	

NOTES:
All concentrations are in mg/kg
1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
EQL - laboratory Estimated Quantitation Limit
IS = Insufficient sample for PID reading
"- " indicates that the criteria is not applicable for these analytes
< Value = Concentration less than laboratory EQL
NC - Non calculable
NA - Not Analysed
Intra Dup - Intra-laboratory duplicate sample
Inter Dup - Inter-laboratory duplicate sample

Table 5c

NOTES:
 All concentrations are in mg/kg
 1 - HIL E Column 4 - Health Based Investigation Levels for Parks, recreational open space and playing fields - (NEPC, 1999; NSW DEC 2006)
 2 - HIL F Column 5 - Health Based Investigation Levels for Commercial/Industrial land use - (NEPC, 1999; NSW DEC 2006)
 EQL - Laboratory Estimated Quantitation Limit
 IS = Insufficient sample for PID reading
 "-" indicates that the criteria is not applicable for these analytes
 < Value = Concentration less than laboratory EQL
 NC - Non calculable
 NA - Not Analysed
 Intra Dup - Intra-laboratory duplicate sample
 Inter Dup - Inter-laboratory duplicate sample

Table 6a - Well Gauging Data

Area	Well ID	Easting	Northing	Top of Casing (TOC) (m AHD)	Date Gauged	Gauged Well Depth (m BTOC)	Gauged SWL (m BTOC)	SWL (m AHD)
Superlot 1	BH3L1	301431.2	6259509.7	41.84	11/10/2012	10.96	2.40	39.44
	BH3L1B	301428.8	6259507.5	41.65	11/10/2012	6.04	2.10	39.55
	BH6 - Historic Well	301274.2	6259450.5	42.85	11/10/2012	6.75	1.96	40.90
	BH7L1	301292.4	6259471.7	43.07	9/10/2012	9.34	2.40	40.67
	BH30L1	301361.7	6259252.0	44.44	10/10/2012	10.75	2.60	41.84
Superlot 2	BH17L2	301195.5	6259654.6	45.13	9/10/2012	9.41	3.41	41.72
	BH20L2	301334.8	6259727.5	42.12	9/10/2012	10.86	1.93	40.19
Area X	BH3X	301617.6	6260142.7	37.92	10/10/2012	6.66	1.95	35.97
	BH20X	301633.8	6260043.8	38.03	10/10/2012	5.06	1.83	36.21
	BH22X	301541.6	6260004.8	38.35	10/10/2012	5.73	1.40	36.94
Area Y	BH2Y	301632.3	6259804.7	38.67	10/10/2012	6.30	1.17	37.50
	BH17Y	301513.2	6259331.4	41.67	10/10/2012	8.54	1.95	39.72

NOTES:

m AHD = metres Australian Height Datum

m BTOC = metres Below Top of Casing

SWL = Standing Water Level/Static Water Level

LNAPL = Light Non Aqueous Phase Liquid

NC = Not Calculable

Table 5d - Asbestos - Area C

Sample ID			TP25C	TP35C	QA69	TP36C	TP26C
Sample Type			SLB	SLB	SLB	SLB	SLB
Laboratory Reference			80192-15	80192-5	80192-33	80192-1	80192-10
Depth (m bgs)			0.0-0.05	0.0-0.05		0.0-0.05	0.0-0.05
Date Sampled			9/10/12	9/10/12		9/10/12	9/10/12
Components		WA Guidelines for ACM Comm/Ind	WA Guidelines for AF/FA				
Sample Description				Grey fine-grained soil, rocks & debris	Brown fine-grained soil, rocks & debris	Brown fine-grained soil, rocks & debris	Brown fine-grained soil, rocks & debris
a) Chrysotile Asbestos		NA	NA	-	-	-	-
b) Amosite Asbestos		NA	NA	-	-	-	-
c) Crocidolite Asbestos		NA	NA	-	-	-	-
d) Sample mass (g)		NA	NA	532.71	530.81	358.96	516.87
e) Fragment Dimentions (mm)		NA	NA	-	-	-	-
f) Fibres (g)		NA	NA	-	-	-	-
g) ACM (g)		NA	NA	-	-	-	-
h) Fibres by weight of ACM (g)		NA	NA	-	-	-	-
i) AF w/w Analysis (%)		NA	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
j) ACM w/w Analysis (%)		0.05%	NA				

Notes:

- a) Chrysotile in ACM fragments (g)
- b) Amosite in ACM fragments (g)
- c) Crocidolite in ACM fragments (g)
- d) Total mass of soil sample (g)
- e) Laboratory reported dimentions of ACM fragments
- f) Total free asbestos AF and FA (g)
- g) Laboratory reported mass of ACM
- h) Laboratory calculated fibres by weight of ACM (g)
- i) Weight/Weight fibres in soil sample/sub-sample (%)
- j) Weight/Weight ACM in soil sample/sub-sample (%)
- NR = Not reported
- NA = No criteria exist
- SP = Stockpile
- SS = Sub-sample
- SLB = Snap Lock Bag
- ' = not identified
- NC = Non calculable

Table 6b - Field Water Quality Parameters

Area	Sample ID	Date Sampled	Volume Purged (L)	Dissolved Oxygen (ppm)	Conductivity (µS/cm)	pH	Redox (mV)	Temp (Degrees Celcius)	Observations
Superlot 1	BH3L1	11/10/2012	5	0.35	23529	6.78	-1.1	17.1	Cloudy, dark grey silt, no sheen, no odour
			10	0.65	23945	6.74	-16.9	17.5	Silt on dipper, less cloudy after 7L, no sheen, no odour
			15	0.64	23968	6.73	-19.1	17.6	As above
			20	0.72	23966	6.72	-23.6	17.6	As above
			25	0.85	23981	6.73	-19.1	17.7	As above
			After Sample	0.83	23884	6.72	-23.1	17.5	
	BH3L1B	11/10/2012	5	4.89	23594	6.83	124.1	15.4	Dipper set at 3.5m, slightly turbid, no sheen, no odour
			10	2.15	23638	6.49	130.5	15.5	after 1L water becoming less turbid
			14	3.8	23629	6.48	130.7	15.6	Dry after 14L - Returned later to sample
			After Sample	4.1	23495	6.54	91.9	15.8	
	BH6 - Historic Well	11/10/2012	5	4.29	11211	6.67	106.7	15.7	Dipper set at 4m, no odour, no sheen, cloudy
			10	2.12	14580	6.47	107.8	15.9	Dipper set at 4.5m, lighter brown no odour, no sheen, cloudy
			15	1.67	16048	6.39	91.7	15.9	Becoming less cloudy, continues to become lighter brown, cloudy,
			20	1.59	17216	6.35	78.8	15.9	no odour, no sheen
			25	1.42	17950	6.34	66.3	15.9	Becomes cloudy, no odour, no sheen
			After Sample	1.4	18202	6.31	73.3	15.8	
	BH7L1	9/10/2012	5	0.43	26602	6.85	155	17.7	Turbid, brown, no odour, no sheen
			10	0.28	26257	6.67	126.6	17.1	As above
			15	0.81	26598	6.64	-90.3	17.2	As above
			20	0.54	26515	6.62	-76.1	17.1	As above
			25	0.87	26439	6.64	-58.8	17.1	As above
			After Sample	1.4	18202	6.31	73.3	17	Clear after filtering and sulphur odour
	BH30L1	10/10/2012	5	0.28	25449	6.89	6.7	18.5	Dipper set at 3.5m, slight sulphur odour, no sheen, very cloudy for
			9	0.58	25260	6.84	-5.2	18.3	first 2L, dark colour
			13	0.72	25284	6.81	-6.6	18.3	From 2L-8L quite cloudy but becoming clear after 8L, sulphur
			17	0.93	25354	6.81	-5.9	18.4	odour no longer noted
			After Sample	0.88	25302	6.8	-7.3	18.4	
Superlot 2	BH17L2	9/10/2012	5	0.29	27933	6.54	82.4	17.9	Cloudy, no sheen, no odour
			10	0.56	28152	6.54	86.4	18	Milky, no sheen, no odour
			15	0.98	28256	6.57	82.8	18.4	Turbid, no sheen, no odour, dry after 16L
			After Sample	1.91	27837	6.52	94.8	17.8	
	BH20L2	9/10/2012	4	0.23	31003	6.69	32.5	17.5	Milky, no odour, no sheen, clearing up
			9	0.36	26752	6.7	25	17.6	As above but slightly less milky
			14	0.24	26511	6.71	23.7	17.3	As above
			19	0.83	26489	6.69	16.1	17.4	As above
			After Sample	0.49	26922	6.72	19.8	17.9	As above
	BH3X	10/10/2012	5	0.28	25872	6.11	109.5	15.3	Dipper set at 3m initially, turbid for first 0.5L, no sheen, no odour
			10	0.98	25339	6.02	103.4	14.8	observed, draw down to 5m, slightly turbid from there after
			15	1.24	25681	6.01	101.6	14.8	
Area X	BH20X	10/10/2012	After Sample	1.72	26469	5.95	100.5	15.2	
			5	1.29	31074	6.62	111.7	15.6	Dipper set at 3m, no odour, no sheen, turbid, brown, less turbid
			9	1.24	31778	6.54	104.5	15.9	after 3L, dry at 4L - Returning later to sample
	BH22X	10/10/2012	After Sample	3.28	31816	6.69	113.4	15.8	
			5	0.32	30201	6.58	95	15.7	Dipper set at 2.5m initially, slightly turbid at the start, becoming
			10	0.58	30139	6.46	87.5	15.7	clear after first 10L, no odour, no sheen
			15	0.81	30036	6.36	82.1	15.5	
			20	0.99	29983	6.32	79	15.4	
			After Sample	1.39	29920	6.31	75.6	15.4	
Area Y	BH2Y	10/10/2012	5	0.47	30236	6.35	92.4	16	Turbid, no sheen, no odour, very turbid for first 2L then becoming
			10	0.77	29854	6.31	86.2	15.6	less until 10L
			15	1.05	29817	6.3	86.2	15.6	Predominately clear, slight turbidity, no odour, no sheen
			After Sample	0.99	29976	6.28	81.6	15.7	clear, no odour
	BH17Y	10/10/2012	5	0.58	23676	6.55	81.7	16.1	Some silt observed in filter paper
			10	0.94	23795	6.52	82.7	16.1	Dipper set at 4.5m, no odour, no sheen, slightly cloudy
			15	1.2	23933	6.51	76.4	16.2	Dipper set at 5m, no odour, no sheen, cloudy
			After Sample	1.26	23846	6.51	73.7	16.2	First litre turbid then becoming clear

NOTES:

L = Litre

mg/L = milligrams per litre

µS/cm = microSiemens per centimetre

pH = potential hydrogen

mV = milli volts

Field parameter measurements were taken during purging. Final measurements prior to sampling are in bold.



Table 6c

Client: Western Sydney Parklands Trust

Project: Environmental Site Assessment, Proposed Superlots 1,2 Areas A,C,P,Q,X Y, Eastern Creek Business Hub, Rooty Hill Road South, Rooty Hill NSW

Table 6c - Heavy Metals, TPHs, BTEX - Groundwater

Sample ID					BH17L2	BH17Y	BH20L2	BH20X	BH22X	BH2Y	BH30L1	QA73 (Intra-dupe BH30L1)	BH3L1B	BH3L1	QA76 (Intra-dupe BH3L1)	BH3X	BH6	BH7L1
Date Sampled					9/10/2012	11/10/2012	9/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012		11/10/2012	11/10/2012	11/10/2012	10/10/2012	11/10/2012	9/10/2012
Compounds	Units	EQL	ANZECC 2000 FW 95% ¹	ANZECC 2000 MW 95% ²														
Heavy Metals																		
Arsenic (Filtered)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (Filtered)	mg/L	0.0001	0.0002	0.0055	0.0002	0.0004	0.0001	0.001	0.0002	0.0002	0.0001	<0.0001	0.0003	0.0001	0.0001	0.0005	0.0003	<0.0001
Chromium (III+VI) (Filtered)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper (Filtered)	mg/L	0.001	0.0014	0.0013	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (Filtered)	mg/L	0.005	1.9	-	2.1	2	0.9	19	4.5	1	0.67	0.64	1.8	0.44	0.42	8.5	4	3.1
Lead (Filtered)	mg/L	0.001	0.0034	0.0044	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury (Filtered)	mg/L	0.00005	0.0006	0.0004	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel (Filtered)	mg/L	0.001	0.011	0.07	0.006	0.008	0.001	0.02	0.007	0.005	0.002	0.002	0.009	<0.001	<0.001	0.008	0.009	0.003
Zinc (Filtered)	mg/L	0.001	0.008	0.015	0.81	0.99	0.29	0.5	0.58	0.67	0.53	0.5	0.61	0.2	0.26	0.24	0.39	0.026
TPH																		
C6 - C9	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
C10 - C14	µg/L	50	-	-	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15 - C28	µg/L	100	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29 - C36	µg/L	100	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
+C10 - C36 (Sum of total)	µg/L		-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BTEX																		
Benzene	µg/L	1	950	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene (m & p)	µg/L	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene (o)	µg/L	1	350	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Xylenes	µg/L	1	-	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NOTES:

All concentrations are as described in table above

1 - ANZECC & ARMICANZ (2000) 95% level of protection for freshwater Aquatic ecosystems

2 - ANZECC & ARMICANZ (2000) 95% level of protection for marine Aquatic ecosystems

EQL - Laboratory Estimated Quantitation Limit

< Value = Concentration less than laboratory EQL

465 Concentration is in exceedance of the adopted criteria

NC - Non Calculable

NA indicates that the sample was not analysed for these analytes



Table 6d

Client: Western Sydney Parklands Trust

Project: Environmental Site Assessment, Proposed Superlots 1,2 Areas A,C,P,Q,X Y, Eastern Creek Business Hub, Rooty Hill Road South, Rooty Hill NS

Table 6d - VOCs - Groundwater

Sample ID					BH17L2	BH17Y	BH20L2	BH20X	BH22X	BH2Y	BH30L1	QA73 (Intra- dupe BH30L1)	BH3L1B	BH3L1	QA76 (Intra- dupe BH3L1)	BH3X	BH6	BH7L1
Date Sampled					9/10/2012	11/10/2012	9/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012		11/10/2012	11/10/2012	11/10/2012	10/10/2012	11/10/2012	9/10/2012
Compounds	Units	EQL	ANZECC 2000 FW 95% ¹	ANZECC 2000 MW 95% ²														
VOCs																		
Benzene	µg/L	1	950	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene (m & p)	µg/L	2	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylene (o)	µg/L	1	350	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	µg/L	1	6500	1900	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloropropene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichloropropane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,2-dichloropropane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-dichloroethene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-dichloroethene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,3-trichlorobenzene	µg/L	1	10	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene	µg/L	1	170	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichlorobenzene	µg/L	1	160	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-dichlorobenzene	µg/L	1	260	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	µg/L	1	60	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-chlorotoluene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-chlorotoluene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dibromoethane	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dichlorodifluoromethane	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichlorofluoromethane	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-trimethylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-trimethylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-butylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-propylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-isopropyltoluene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-butylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
tert-butylbenzene	µg/L	1	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cyclohexane	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

NOTES:
All concentrations are as described in table above
1 - ANZECC & ARMCANZ (2000) 95% level of protection for freshwater Aquatic ecosystems
2 - ANZECC & ARMCANZ (2000) 95% level of protection for marine Aquatic ecosystems
EQL - Laboratory Estimated Quantitation Limit
< Value = Concentration less than laboratory EQL
465 Concentration is in exceedance of the adopted criteria
NC - Non Calculable
NA indicates that the sample was not analysed for these analytes



Table 6e - SVOCs - Groundwater

Sample ID					BH17L2	BH17Y	BH20L2	BH20X	BH22X	BH2Y	BH30L1	QA73 (Intra-dupe BH30L1)	BH3L1B	BH3L1	QA76 (Intra-dupe BH3L1)	BH3X	BH6	BH7L1
Date Sampled					9/10/2012	11/10/2012	9/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012		11/10/2012	11/10/2012	11/10/2012	10/10/2012	11/10/2012	9/10/2012
Compounds	Units	EQL	ANZECC 2000 FW 95% ¹	ANZECC 2000 MW 95% ²														
SVOCs																		
N-nitrosodi-n-butylamine	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-nitrosodi-n-propylamine	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1-naphthylamine	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-naphthylamine	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diphenylamine	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-nitroaniline	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-nitroaniline	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-chloroaniline	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-nitroaniline	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-methyl-5-nitroaniline	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aniline	µg/L	10	250	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	µg/L	10	360	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dinitrobenzene	mg/L	0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,6-dinitrotoluene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	µg/L	10	550	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4,5-tetrachlorobenzene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-trichlorobenzene	µg/L	10	170	80	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-dichlorobenzene	µg/L	10	160	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-dichlorobenzene	µg/L	10	260	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-dichlorobenzene	µg/L	10	60	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorobenzene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,3,4,6-tetrachlorophenol	µg/L	10	20	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-trichlorophenol	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-trichlorophenol	µg/L	10	20	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-dichlorophenol	µg/L	10	160	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-dichlorophenol	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-chlorophenol	µg/L	10	490	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	µg/L	100	10	22	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Dinoseb	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachloronitrobenzene	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4,4-DDE	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
a-BHC	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aldrin	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
b-BHC	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chlordane (cis)	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chlordane (trans)	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
d-BHC	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
DDD	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
DDT	µg/L	10	0.01	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dieldrin	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endosulfan I	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endosulfan II	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endosulfan sulphate	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endrin	µg/L	10	0.02	0.008	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endrin aldehyde	µg/L	10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
g-BHC (Lindane)	µg/L	10	0.2	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Heptachlor	µg/L	10	0.09	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Heptachlor epoxide	µg/L	10	-	-	<10	<												

NOTES:

All concentrations are in mg/kg

RPDs have only been considered where a concentration is greater than 5 times the EQ_L.

RPD Calculation Method = $\frac{[D1-D2]}{([D1-D2]/2)} \times 100$

RPD result exceeding acceptance criteria - 50%

RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were <5 x EQ_L.

Reference: Australian Standard, Guide to the Investigation and Sampling of Potentially Contaminated Soil (AS4482.1:2006)

EQ_L/PQL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit

* - Indicates that these samples were not analysed

NA - Calculation not applicable or RPD=0

Table 7b - Soil RPD Results - VOCs (Cont'd)

[illegible]

NOTES:

RPDs have only been considered where a concentration is greater than 5 times the EQL

$$\text{RPD Calculation Method} = \frac{|D1-D2|}{D1} \times 100$$

RPD result exceeding acceptance criteria - 50%

RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were $<5 \times \text{EQL}$.

Reference: Australian Standard, Guide to the Investigation and Sampling of Polymers
EOL/POL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit

“-” indicates that these samples were not analysed

NA - Calculation not applicable or RPD=0

Table 7c. SVOCs - Soil RPD

All concentrations are in mg/kg				
RPDs have only been considered where a concentration is greater than 5 times the EQL				
RPD Calculation Method =		(D1-D2)	x 100	
		(D1+D2/2)		
RPD result exceeding acceptance criteria - 50%				
RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were <5 x EQL				
Reference: Australian Standard, Guide to the Investigation and Sampling of Potentially Contaminated Soil (AS4482.1-2005)				
EQL/PQL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit				
* - Indicates that these samples were not analysed				
NA - Calculation not applicable or RPD=0				

Table 8a - Groundwater RPD Results - Heavy Metals, TPH, BTEX

Lab Reference			80192		RPD	80192		RPD
Sample ID			BH30L1	QA73		BH3L1	QA76	
Duplicate Type			Intra-laboratory			Intra-laboratory		
Date Sampled			10/10/2012			11/10/2012		
Compounds	Units	EQL						
Heavy Metals								
Arsenic (Filtered)	mg/l	0.001	<0.001	<0.001	NA	<0.001	<0.001	NA
Cadmium (Filtered)	mg/l	0.0001	0.0001	<0.0001	NA	0.0001	0.0001	NA
Chromium (III+VI) (Filtered)	mg/l	0.001	<0.001	<0.001	NA	<0.001	<0.001	NA
Copper (Filtered)	mg/l	0.001	<0.001	<0.001	NA	<0.001	<0.001	NA
Manganese (Filtered)	mg/l	0.005	0.67	0.64	5	0.44	0.42	5
Mercury (Filtered)	mg/l	0.00005	<0.0001	<0.0001	NA	<0.0001	<0.0001	NA
Nickel (Filtered)	mg/l	0.001	0.002	0.002	NA	<0.001	<0.001	NA
Zinc (Filtered)	mg/l	0.001	0.53	0.5	6	0.2	0.26	26
Lead (Filtered)	mg/l	0.001	<0.001	<0.001	NA	<0.001	<0.001	NA
TPH								
C6 - C9	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
C10 - C14	µg/L	50	<50.0	<50.0	NA	<50.0	<50.0	NA
C15 - C28	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
C29-C36	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
BTEx								
Benzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Ethylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Toluene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Xylene (m & p)	µg/L	2	<2.0	<2.0	NA	<2.0	<2.0	NA
Xylene (o)	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA

NOTES:

All concentrations are in mg/kg

RPDs have only been considered where a concentration is greater than 5 times the EQL.

$$\text{RPD Calculation Method} = \frac{|D1-D2|}{(D1+D2)/2} \times 100$$

RPD result exceeding acceptance criteria - 50%

RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were <5 x EQL

Reference: Australian Standard, Guide to the Investigation and Sampling of Potentially Contaminated Soil (AS4482.1-2005 and AS4482.2-1999)

EQL/PQL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit

"-" Indicates that these samples were not analysed

NA - Calculation not applicable or RPD=0

Table 8b - Groundwater RPD Results - VOCs

Lab Reference			80192		RPD	80192		RPD
Sample ID			BH30L1	QA73		BH3L1	QA76	
Duplicate Type			Intra-laboratory					
Date Sampled			10/10/2012					
Compounds	Units	EQL				11/10/2012		
VOCs								
Benzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Ethylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Toluene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Xylene (m & p)	µg/L	2	<2.0	<2.0	NA	<2.0	<2.0	NA
Xylene (o)	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1,1,2-tetrachloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1,1-trichloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1,1,2,2-tetrachloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1,2-trichloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1-dichloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1-dichloroethene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,1-dichloropropene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2,3-trichloropropane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2-dibromo-3-chloropropane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2-dichloroethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2-dichloropropane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,3-dichloropropane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
2,2-dichloropropane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Bromochloromethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Bromodichloromethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Bromoform	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Carbon tetrachloride	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Chlorodibromomethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Chloroethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Chloroform	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Chloromethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
cis-1,2-dichloroethene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
cis-1,3-dichloropropene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Dibromomethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Hexachlorobutadiene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Hexachlorobutadiene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Hexachlorocyclopentadiene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Hexachloroethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Trichloroethene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Tetrachloroethene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
trans-1,2-dichloroethene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
trans-1,3-dichloropropene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Vinyl chloride	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2,3-trichlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2,4,5-tetrachlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2,4-trichlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2,4-trichlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,2-dichlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2-dichlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,3-dichlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,3-dichlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,4-dichlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,4-dichlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
2-chlorotoluene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
4-chlorotoluene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Bromobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Chlorobenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Hexachlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Pentachlorobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2-dibromoethane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Bromomethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dichlorodifluoromethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Trichlorofluoromethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,2,4-trimethylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
1,3,5-trimethylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Isopropylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
n-butylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
n-propylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
p-isopropyltoluene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
sec-butylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Styrene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
tert-butylbenzene	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
Cyclohexane	µg/L	1	<1.0	<1.0	NA	<1.0	<1.0	NA
2-(acetyl amino) fluorene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-(dimethylamino) azobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-bromophenyl phenyl ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-chlorophenyl phenyl ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Azobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzyl alcohol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroethoxy) methane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroethyl)ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroisopropyl) ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Carbazole	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dibenzofuran	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Hexachloropropene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Methapyrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
N-nitrosomorpholine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
N-nitrosopiperidine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Phenacetin	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Pentachloroethane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA

NOTES:

All concentrations are in mg/kg

RPDs have only been considered where a concentration is greater than 5 times the EQL.

$$\text{RPD Calculation Method} = \frac{|D1-D2|}{(D1+D2)/2} \times 100$$

RPD result exceeding acceptance criteria - 50%

RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were <5 x EQL

Reference: Australian Standard, Guide to the Investigation and Sampling of Potentially Contaminated Soil (AS4482.1-2005 and AS4482.2-1999)

EQL/PQL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit

"-" Indicates that these samples were not analysed

NA - Calculation not applicable or RPD=0

Table 8c - Groundwater RPD Results - SVOCs

Lab Reference			80192		RPD	80192		RPD
Sample ID			BH30L1	QA73		BH3L1	QA76	
Duplicate Type			Intra-laboratory			Intra-laboratory		
Date Sampled			10/10/2012			11/10/2012		
Compounds	Units	EQL						
SVOCs								
N-nitrosodi-n-butylamine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
N-nitrosodi-n-propylamine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1-naphthylamine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-naphthylamine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Diphenylamine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-nitroaniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
3-nitroaniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-chloroaniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-nitroaniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-methyl-5-nitroaniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Aniline	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
1,3-Dinitrobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,6-dinitrotoluene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Nitrobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,3,4,6-tetrachlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,4,5-trichlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,4,6-trichlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,4-dichlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,6-dichlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-chlorophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Pentachlorophenol	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
Dinoseb	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Pentachloronitrobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4,4-DDE	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
a-BHC	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Aldrin	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
b-BHC	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Chlordane (cis)	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Chlordane (trans)	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
d-BHC	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
DDD	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
DDT	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dieldrin	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Endosulfan I	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Endosulfan II	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Endosulfan sulphate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Endrin	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Endrin aldehyde	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
g-BHC (Lindane)	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Heptachlor	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Heptachlor epoxide	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Ethyl methanesulfonate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Isosafrole (trans)	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Safrole	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
7,12-dimethylbenz(a)anthracene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,4-dimethylphenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2,4-dinitrophenol	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
2-chloronaphthalene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-methylnaphthalene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-methylphenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-nitrophenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
3-methylcholanthrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4,6-Dinitro-2-methylphenol	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
4-methylphenol	µg/L	20	<20.0	<20.0	NA	<20.0	<20.0	NA
4-nitrophenol	µg/L	100	<100.0	<100.0	NA	<100.0	<100.0	NA
Acenaphthene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Acenaphthylene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Acetophenone	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Anthracene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benz(a)anthracene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzo(a) pyrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzo(b)fluoranthene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzo(g,h,i)perylene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzo(k)fluoranthene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Chrysene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dibenz(a,h)anthracene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Fluoranthene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Fluorene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Indeno(1,2,3-c,d)pyrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Naphthalene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Phenanthrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Phenol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Pyrene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-ethylhexyl) phthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Butyl benzyl phthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Diethylphthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dimethyl phthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Di-n-butyl phthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Di-n-octyl phthalate	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
2-(acetylamino) fluorene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-(dimethylamino) azobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-bromophenyl phenyl ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
4-chlorophenyl phenyl ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Azobenzene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Benzyl alcohol	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroethoxy) methane	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroethyl)ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Bis(2-chloroisopropyl) ether	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Carbazole	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Dibenzofuran	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Hexachloropropene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Methapyrilene	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
N-nitrosomorpholine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
N-nitrosopiperidine	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA
Phenacetin	µg/L	10	<10.0	<10.0	NA	<10.0	<10.0	NA

NOTES:
All concentrations are in mg/kg
RPDs have only been considered where a concentration is greater than 5 times the EQL.

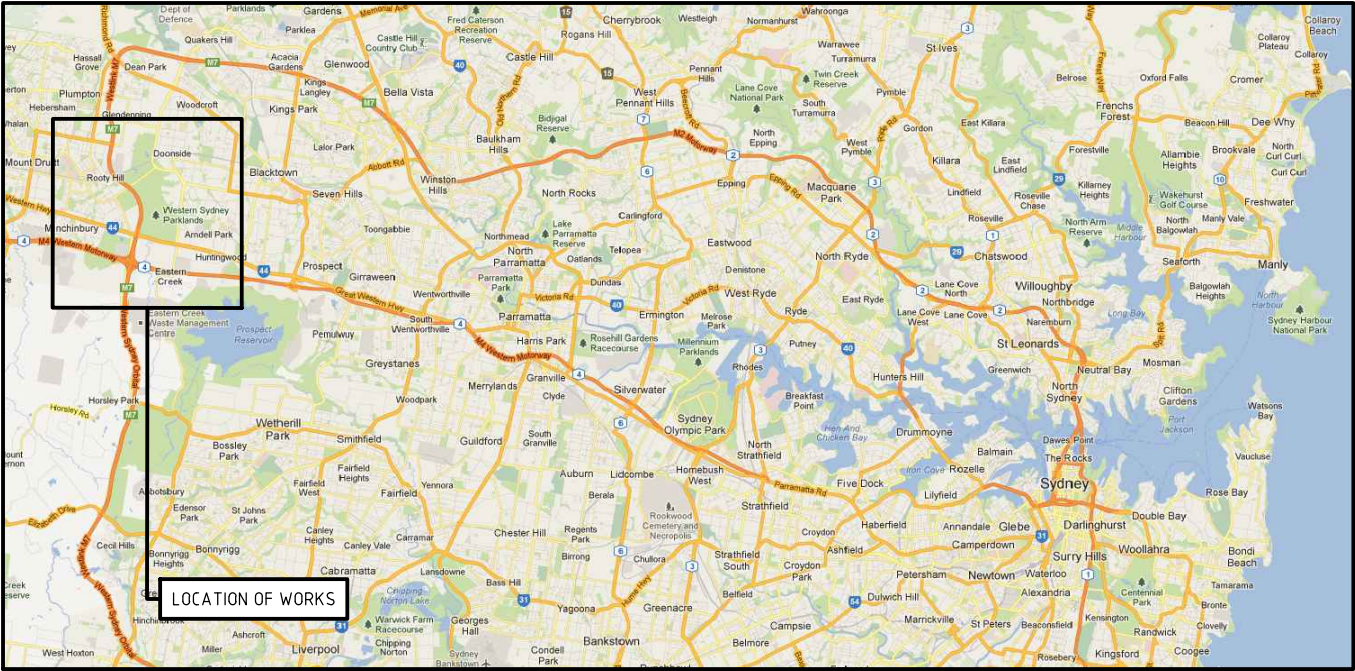
RPD Calculation Method = $\frac{|D1-D2|}{(D1+D2)/2} \times 100$

RPD result exceeding acceptance criteria - 50%
RPD results exceeding the acceptance criteria but were disregarded if primary or duplicate sample results were <5 x EQL
Reference: Australian Standard, Guide to the Investigation and Sampling of Potentially Contaminated Soil (AS4482.1-2005 and AS4482.2-1999)
EQL/PQL - Laboratory Estimated Quantitation Limit/Practical Quantitation Limit
"-" Indicates that these samples were not analysed
NA - Calculation not applicable or RPD=0

ECBH ENVIRONMENTAL SITE ASSESSMENT



LOCATION OF WORKS
SCALE 1:10,000 (A3)



LOCALITY MAP
NOT TO SCALE

DRAWING NUMBER	DRAWING TITLE	REVISION
S12388.01-DWG-001	SITE LOCATION	A
S12388.01-DWG-002	SITE LAYOUT AND SAMPLING LOCATIONS	A
S12388.01-DWG-003	PROPOSED LAND DIVISION USE	A
S12388.01-DWG-004	SUPERLOT 1 - SAMPLE LOCATION PLAN	A
S12388.01-DWG-005	SUPERLOT 2, AREA A & AREA C - SAMPLE LOCATION PLAN	A
S12388.01-DWG-006	AREA X - SAMPLE LOCATION PLAN	A
S12388.01-DWG-007	AREA Y - SAMPLE LOCATION PLAN	A
S12388.01-DWG-008	GROUNDWATER ELEVATION PLAN	A

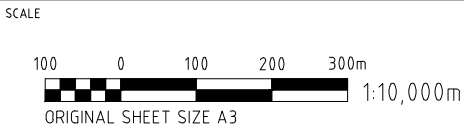
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REVISIONS

No.	BY	DATE	DESCRIPTION	APPD
A	MSM	21/11/12	DRAFT	APP

DESIGNED	CHECKED	DATE
DRAWN	MSM	21/11/12
APPROVED	MN	DATE

DATE PLOTTED: 07 December, 2012 - 2:47pm



PROJECT	S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT
TITLE	FIGURE 1 SITE LOCATION
STATUS	DRAFT
DRG No.	S12388.01-DWG-001
REV.	A



LEGEND	
	SUPERLOT / AREA BOUNDARY
	POTENTIAL LOCATION FOR ACTIVITY PLAYGROUND
	GAS PIPELINE EASEMENT
	BUFFER TO GAS PIPELINE
	OPEN SPACE / CUMBERLAND PLAIN WOODLAND
	PROPOSED STORMWATER CONTROL AREA
	PROPOSED BUILDING DEVELOPMENT LAYOUT
1	SUPERLOT
P	AREA
	BORE HOLE LOCATION
	TEST PIT LOCATION
	STOCKPILE LOCATION

CAD FILE: G:\CADD\SYDNEY\Projects\S12388.01 - Advice, Western Sydney Parklands Trust\Production Drawings\S12388.01-DWG-002.dwg

REVISIONS

No.	BY	DATE	DESCRIPTION
A	MSM	21/11/12	DRAFT

DESIGNED			
DRAWN			
APPROVED			
DATE PLOTTED: 07 December, 2012 - 2:47pm			

SCALE	
ORIGINAL SHEET SIZE A3	

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PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE FIGURE 2 SITE LAYOUT & SAMPLING LOCATIONS		
STATUS DRAFT	DRG No. S12388.01-DWG-002	REV. A



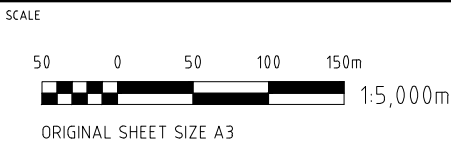
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	SUPERLOT/ AREA BOUNDARY
	POTENTIAL LOCATION FOR ACTIVITY PLAYGROUND
	GAS PIPELINE EASEMENT
	BUFFER TO GAS PIPELINE
	OPEN SPACE / CUMBERLAND PLAIN WOODLAND
	PROPOSED STORMWATER CONTROL AREA
	PROPOSED BUILDING DEVELOPMENT LAYOUT

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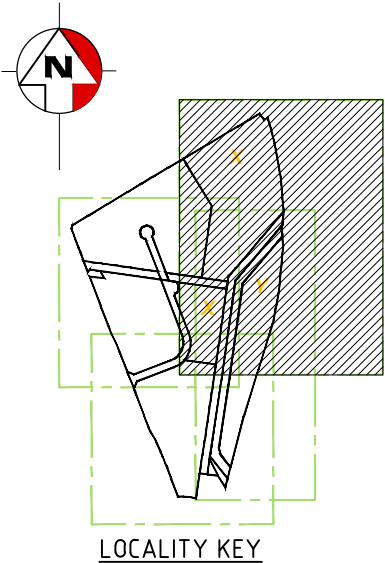
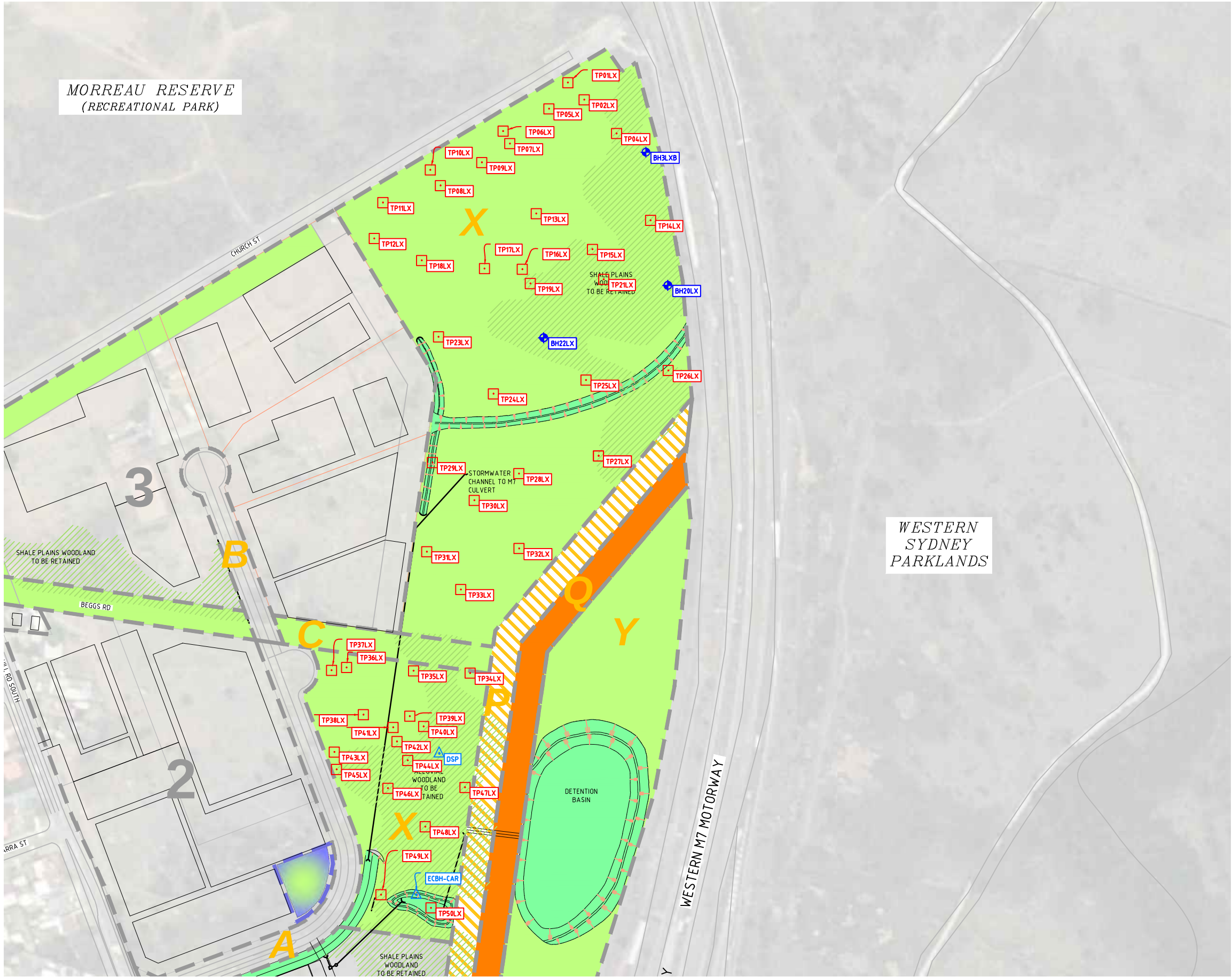
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PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE		
FIGURE 3 PROPOSED LAND DIVISION USE		
STATUS DRAFT		REV. A



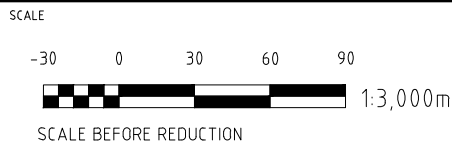
LEGEND	
	SUPERLOT / AREA BOUNDARY
	POTENTIAL LOCATION FOR ACTIVITY PLAYGROUND
	GAS PIPELINE EASEMENT
	BUFFER TO GAS PIPELINE
	OPEN SPACE / CUMBERLAND PLAIN WOODLAND
	PROPOSED STORMWATER CONTROL AREA
1	SUPERLOT
P	AREA
	BORE HOLE LOCATION
	TEST PIT LOCATION
	STOCKPILE LOCATION

CAD FILE: G:\CADD\SYDNEY\Projects\S12388.01 - Advice, Western Sydney Parklands Trust\Production Drawings\S12388.01-DWG-006.dwg

REVISIONS

No.	BY	DATE	DESCRIPTION
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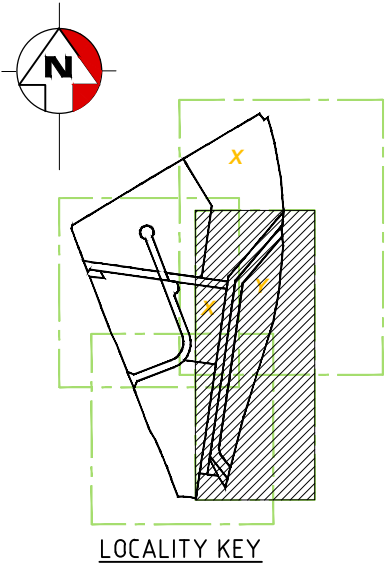
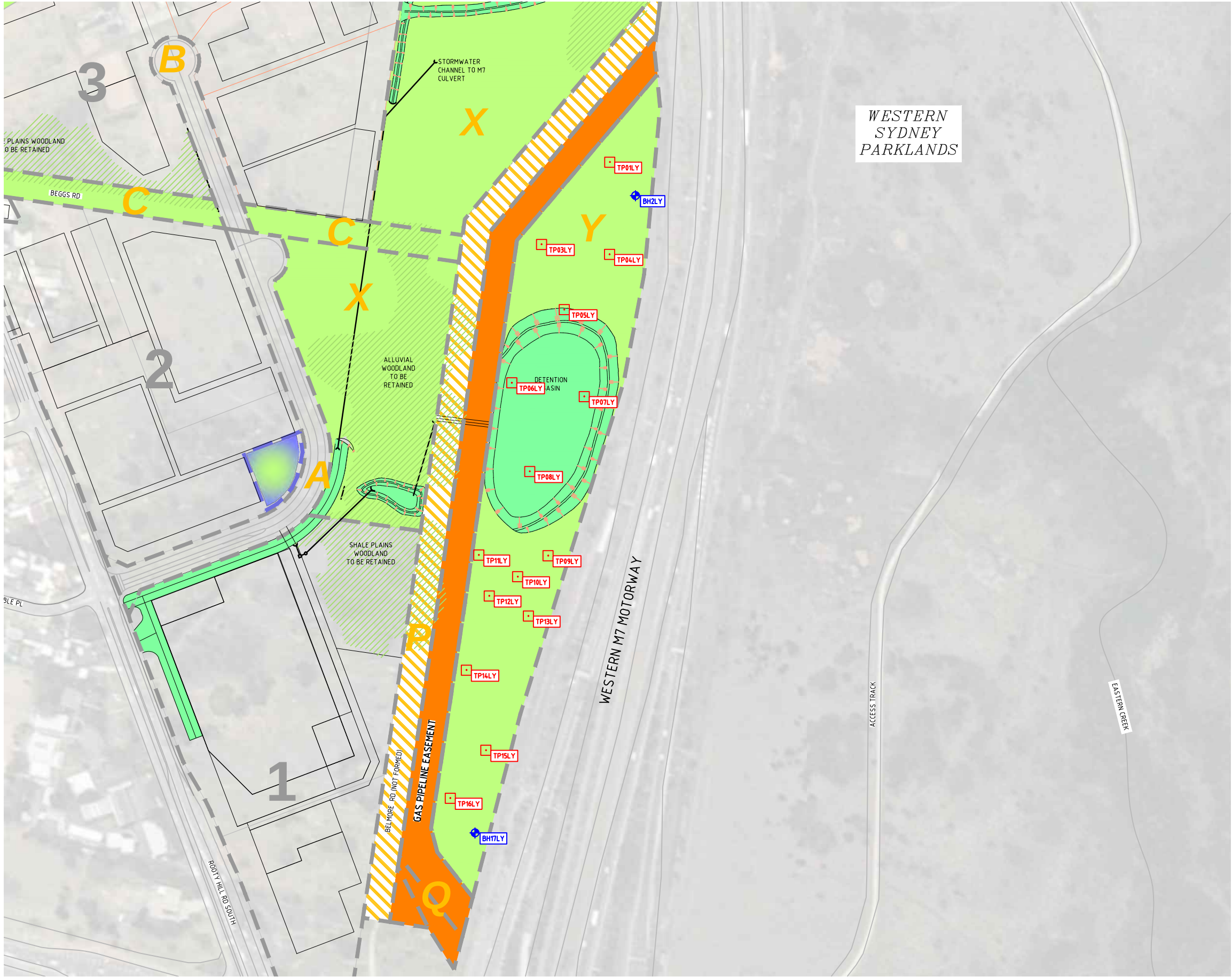
DESIGNED			
DRAWN			
APPROVED			
DATE PLOTTED: 07 December, 2012 - 2:47pm			



A3



PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE FIGURE 6 AREA X SAMPLE LOCATION PLAN		
STATUS DRAFT	DRG No. S12388.01-DWG-006	REV. A



LEGEND	
	SUPERLOT/ AREA BOUNDARY
	POTENTIAL LOCATION FOR ACTIVITY PLAYGROUND
	GAS PIPELINE EASEMENT
	BUFFER TO GAS PIPELINE
	OPEN SPACE / CUMBERLAND PLAIN WOODLAND
	PROPOSED STORMWATER CONTROL AREA
1	SUPERLOT
P	AREA
	BORE HOLE LOCATION
	TEST PIT LOCATION
	STOCKPILE LOCATION

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REVISIONS					
No.	BY	DATE	DESCRIPTION	APPD	
A	MSM	21/11/12	DRAFT	APP	

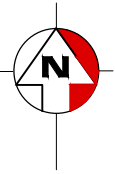
©COPYRIGHT CDM Smith This drawing is confidential and shall only be used for the purposes of this project.					
DESIGNED		CHECKED			
DRAWN	MSM	CHECKED	CG		
APPROVED	MN	DATE	21/11/12		
DATE PLOTTED: 07 December, 2012 - 2:48pm					

SCALE		A3
SCALE BEFORE REDUCTION		

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PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE FIGURE 7 AREA Y SAMPLE LOCATION PLAN		
STATUS DRAFT	DRG No. S12388.01-DWG-007	REV. A



LEGEND	
	SUPERLOT/ AREA BOUNDARY
	BORE HOLE LOCATION
	GROUNDWATER CONTOUR LINE (0.5m INTERVAL) (ELEVATION m AHD)
	GROUNDWATER FLOW DIRECTION ARROW

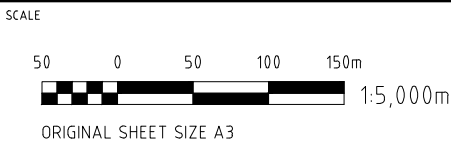
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REVISIONS

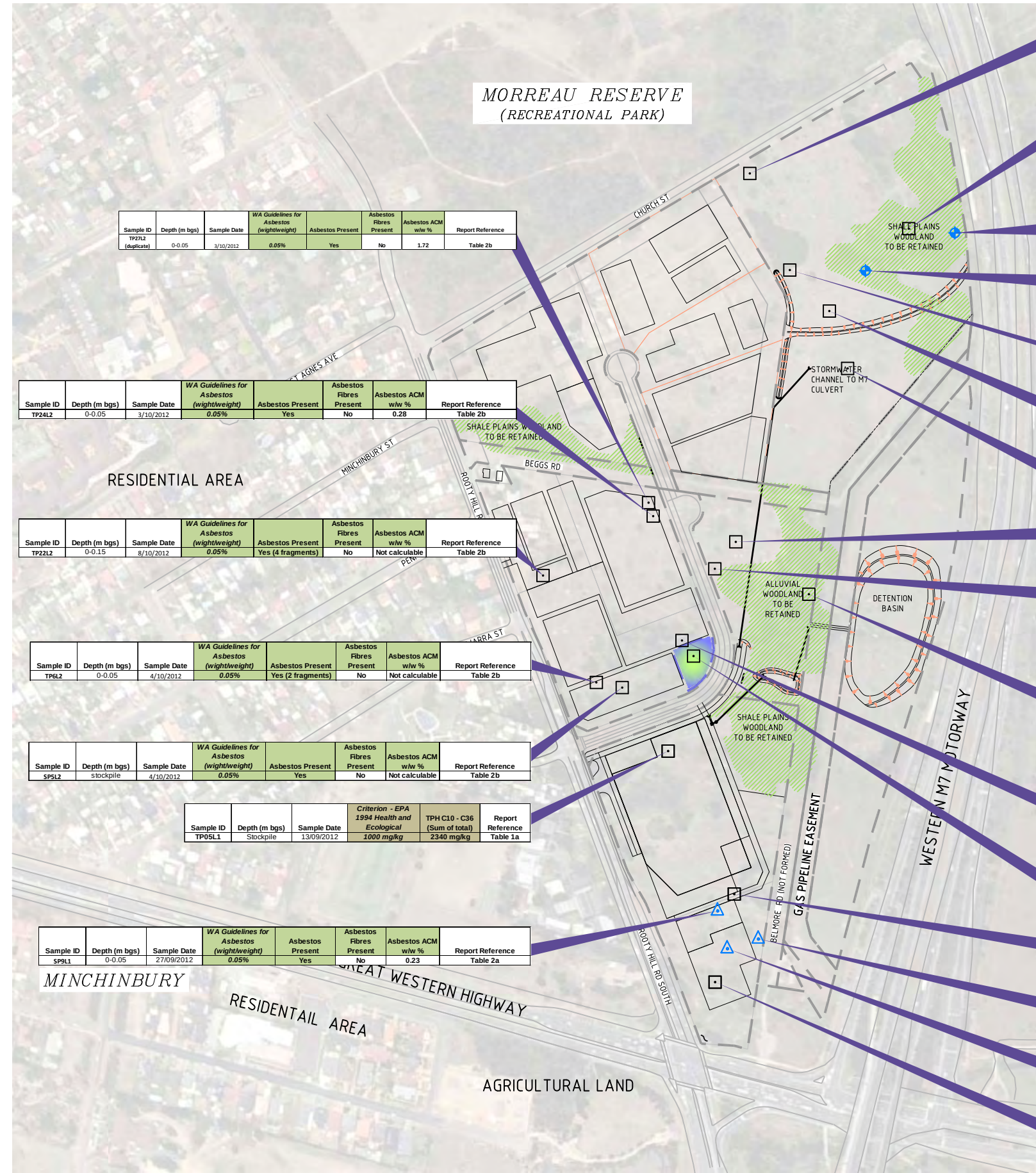
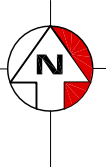
No.	BY	DATE	DESCRIPTION
A	MSM	21/11/12	DRAFT

DESIGNED			
DRAWN			
APPROVED			
DATE PLOTTED: 07 December, 2012 - 2:48pm			

DESIGNED	CHECKED
DRAWN	CHECKED
APPROVED	DATE
MSM	CG
MN	21/11/12



PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE		
FIGURE 8 GROUNDWATER CONTOUR PLAN		
STATUS DRAFT		REV. A
DRG No. S12388.01-DWG-008		



Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP21L2 (duplicate)	0-0.05	3/10/2012	0.05%	Yes	No	1.72	Table 2b

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP24L2	0-0.05	3/10/2012	0.05%	Yes	No	0.28	Table 2b

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP22L2	0-0.15	8/10/2012	0.05%	Yes (4 fragments)	No	Not calculable	Table 2b

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP6L2	0-0.05	4/10/2012	0.05%	Yes (2 fragments)	No	Not calculable	Table 2b

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
SP5L2	Stockpile	4/10/2012	0.05%	Yes	No	Not calculable	Table 2b

Sample ID	Depth (m bgs)	Sample Date	Criterion - EPA 1994 Health and Ecological	TPH C10 - C36 (Sum of total)	Report Reference
TP05L1	Stockpile	13/09/2012	1000 mg/kg	2340 mg/kg	Table 1a

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
SP9L1	0-0.05	27/09/2012	0.05%	Yes	No	0.23	Table 2a

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP11X	0-0.05	21/09/2012	0.05%	Yes	No	Not calculable	Table 2d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP21X	0-0.05	24/09/2012	3000 mg/kg	3800 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	Asbestos Present	WA Guidelines for ACM (wightweight)	Asbestos ACM w/w %	Asbestos Fibres Present	WA Guidelines for Asbestos Fibres(wightweight)	AF-w/w Analysis (%)	Report Reference
TP21X	0-0.05	24/09/2012	Yes	0.05%	Not calculable	YES	0.001%	0.0001	Table 2d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
BH20X	1.5-1.6	20/09/2012	3000 mg/kg	3100 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
BH22X	0-0.05	19/09/2012	3000 mg/kg	3900 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP23X	0-0.05	21/09/2012	3000 mg/kg	3200 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP24X	0.1-0.15	21/09/2012	3000 mg/kg	3400 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP28X	0.1-0.15	24/09/2012	3000 mg/kg	3900 mg/kg	Table 1d

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP38X	0-0.05	11/09/2012	0.05%	Yes (2 fragments)	No	Not calculable	Table 2d

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP43X	0-0.05	11/09/2012	0.05%	Yes	No	Not calculable	Table 2d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Copper	Criterion NEPM 1999 HIL E ²	Lead	Report Reference
TP47X	0.1-0.15	13/09/2012	2000 mg/kg	11000 mg/kg	600 mg/kg	1100 mg/kg	Table 1d
	0.3-0.4			1400 mg/kg		770 mg/kg	

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP47X	0-0.05	11/09/2012	0.05%	Yes	No	3.75	Table 2d

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP7L2	0-0.05	4/10/2012	3000 mg/kg	3300 mg/kg	Table 1b

Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Manganese	Report Reference
TP9L2	0-0.05	4/10/2012	3000 mg/kg	3700 mg/kg	Table 1b

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
TP16L1	0-0.05	26/09/2012	0.05%	Yes	No	Not calculable	Table 2a

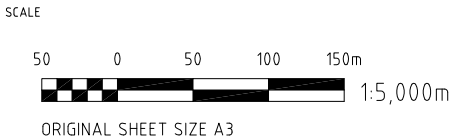
Sample ID	Depth (m bgs)	Sample Date	Criterion NEPM 1999 HIL E ²	Lead	Report Reference
SP6L1	0-0.05	27/09/2012	3000 mg/kg	610 mg/kg	Table 1a

Sample ID	Depth (m bgs)	Sample Date	WA Guidelines for Asbestos (wightweight)	Asbestos Present	Asbestos Fibres Present	Asbestos ACM w/w %	Report Reference
SP6L1	0-0.05	27/09/2012	0.05%	Yes	No	4.84	Table 2a

Sample ID	Depth (m bgs)	Sample Date	Criterion - EPA 1994 Health and Ecological	TPH C10 - C36 (Sum of total)	Report Reference
TP27L1B	0.1-0.15	27/09/2012	1000 mg/kg	2560 mg/kg	Table 1a

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REVISIONS				DESIGNED				CHECKED			
				DRAWN				CG			
A				MSM				DATE			
No.				BY				DATE			
				APP				DATE PLOTTED: 21 January, 2013 - 11:16am			
				APPD							



PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT			
TITLE			
FIGURE 9 SOIL CRITERIA EXCEEDANCES			
STATUS DRAFT		DRG No. S12388.01-DWG-009	
		REV. A	

CAD FILE: G:\ADDS\SYDNEY\Projects\S12388.01 - Advice, Western Sydney Parklands Trust\Production Drawings\S12388.01-DWG-010.dwg

REVISIONS

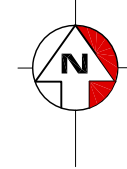
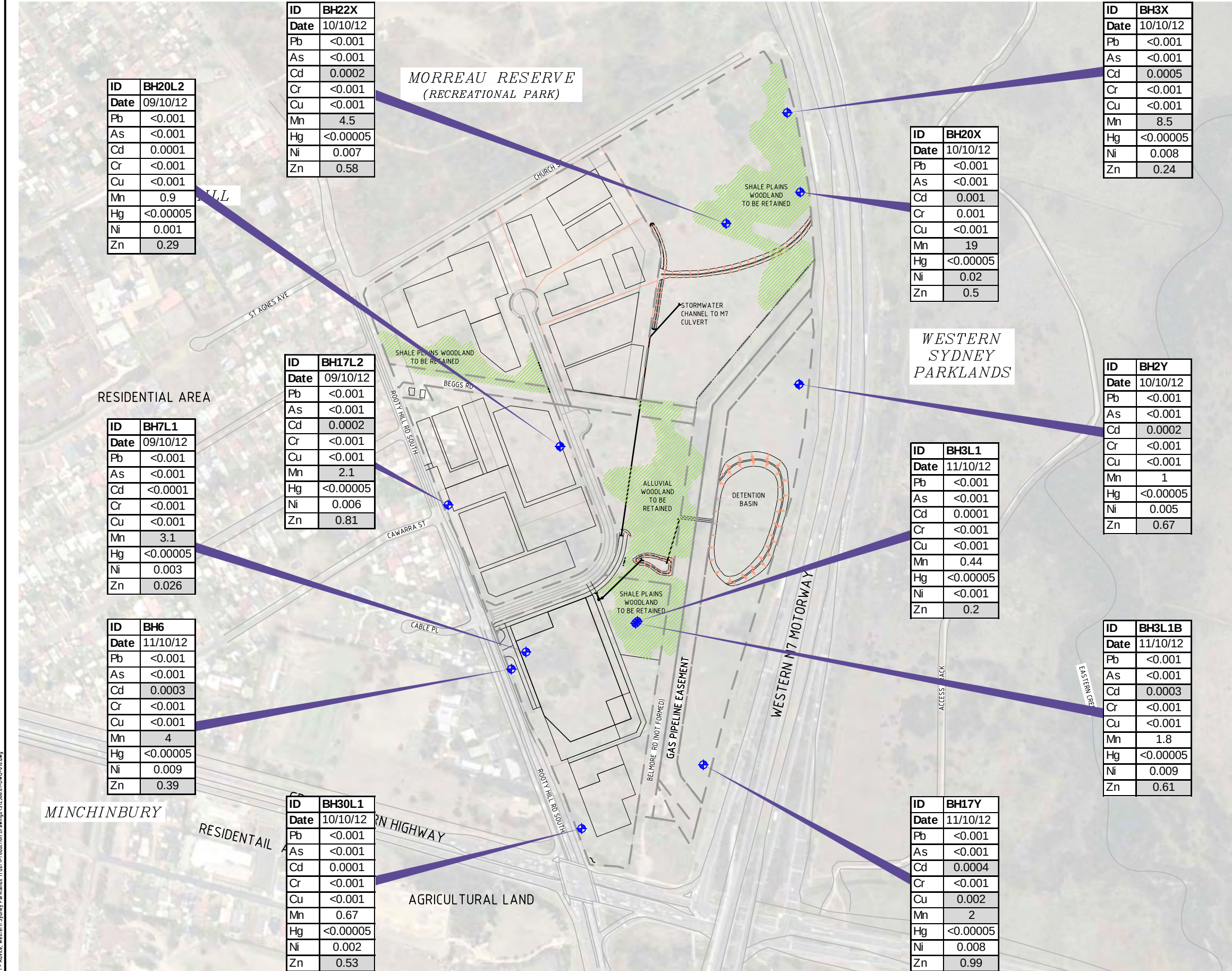
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A	MSM	21/11/12	DRAFT

DESIGNED			
DRAWN			
APPROVED			
DATE PLOTTED: 07 December, 2012 - 2:56pm			

SCALE	
50 0 50 100 150m	
ORIGINAL SHEET SIZE A3	

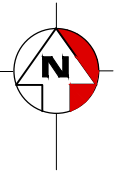


PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE		
FIGURE 10		
GROUNDWATER CRITERIA EXCEEDENCES		
STATUS DRAFT		REV. A



Analyte	Criteria
Pb	0.0034
As	
Cd	0.0002
Cr	
Cu	0.0014
Mn	1.9
Hg	0.0006
Ni	0.011
Zn	0.008

- NOTES
- ALL CONCENTRATIONS ARE IN MG/L.
 - CRITERIA USED ARE FROM ANZECC & ARMCAZ (2000) 95% LEVEL OF PROTECTION FOR FRESHWATER ECOSYSTEMS. GREY SHADING INDICATES SAMPLE CONCENTRATION EXCEEDENCE OF THE RELEVANT CRITERION.
 - ALL SAMPLES WERE FILTERED PRIOR TO ANALYSIS.



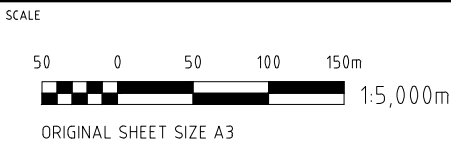
LEGEND	
	SUPERLOT / AREA BOUNDARY
	POTENTIAL LOCATION FOR ACTIVITY PLAYGROUND
	GAS PIPELINE EASEMENT
	BUFFER TO GAS PIPELINE
	OPEN SPACE / CUMBERLAND PLAIN WOODLAND
	PROPOSED STORMWATER CONTROL AREA
	PROPOSED BUILDING DEVELOPMENT LAYOUT
1	SUPERLOT
P	AREA
	BORE HOLE LOCATION
	TEST PIT LOCATION
	STOCKPILE LOCATION
	IDENTIFIED FILL WITH WASTE CONTENT LOCATION
	IDENTIFIED ASBESTOS MATERIAL LOCATION

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REVISIONS

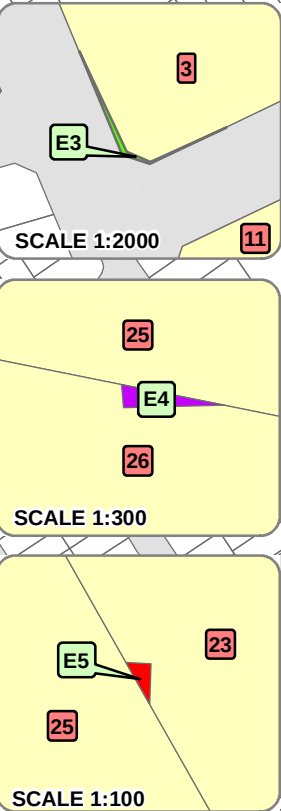
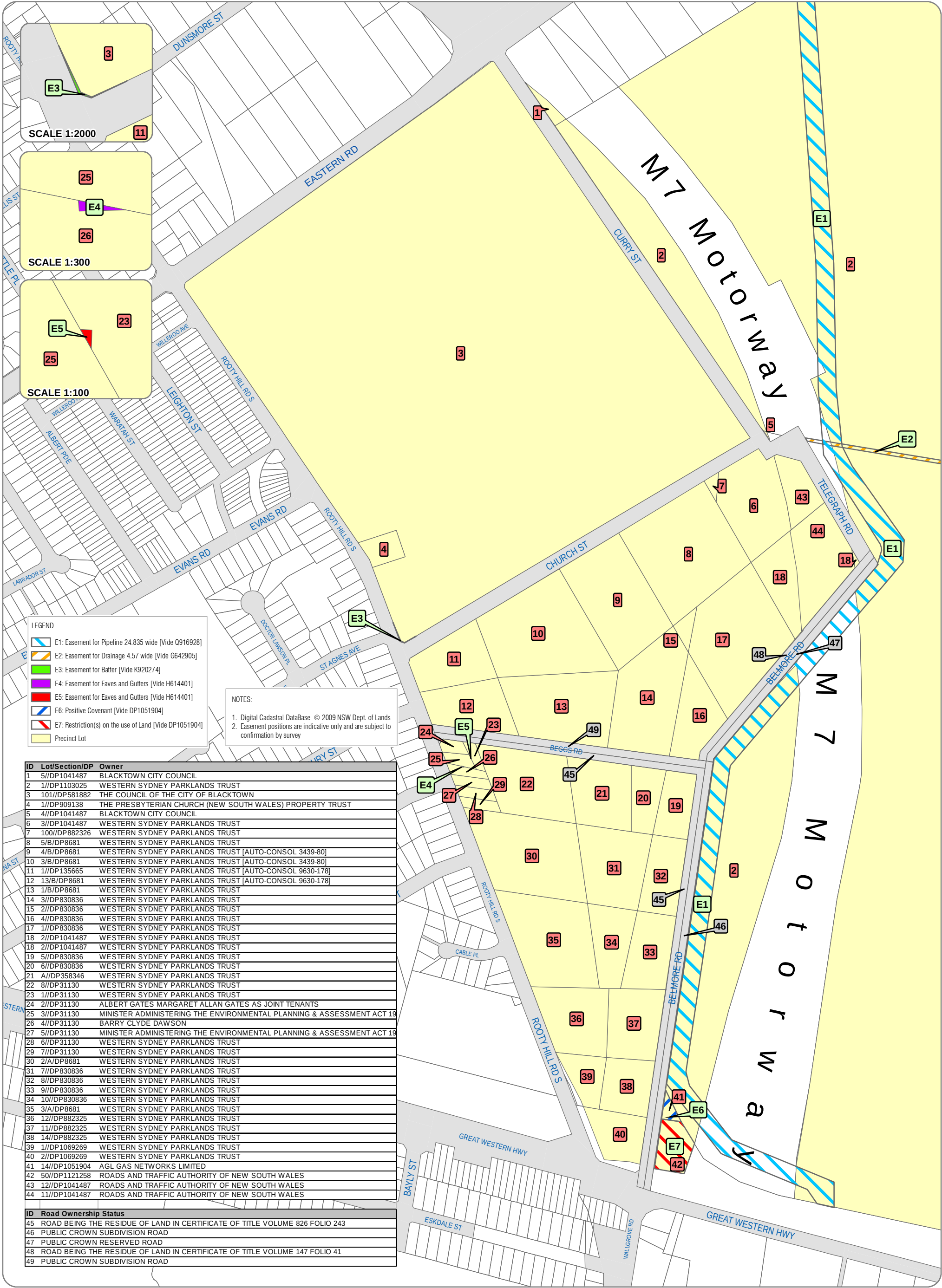
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A	MSM	10/12/12	DRAFT	APP

DESIGNED				CHECKED			
DRAWN				MSM	CHECKED	CG	
APPROVED				MN	DATE	10/12/12	
DATE PLOTTED: 10 December, 2012 - 4:56pm							



PROJECT S12388.01 - ECBH ENVIRONMENTAL SITE ASSESSMENT		
TITLE FIGURE 11 ASBESTOS AND WASTE LOCATION LOCATIONS		
STATUS DRAFT	DRG No. S12388.01-DWG-011	REV. A

Appendix C – Current Lot and DP Plan



LEGEND

	E1: Easement for Pipeline 24.835 wide [Vide Q916928]
	E2: Easement for Drainage 4.57 wide [Vide G642905]
	E3: Easement for Batter [Vide K920274]
	E4: Easement for Eaves and Gutters [Vide H614401]
	E5: Easement for Eaves and Gutters [Vide H614401]
	E6: Positive Covenant [Vide DP1051904]
	E7: Restriction(s) on the use of Land [Vide DP1051904]
	Precinct Lot

NOTES:

- Digital Cadastral DataBase © 2009 NSW Dept. of Lands
- Easement positions are indicative only and are subject to confirmation by survey

ID	Lot/Section/DP	Owner
1	5//DP1041487	BLACKTOWN CITY COUNCIL
2	1//DP1103025	WESTERN SYDNEY PARKLANDS TRUST
3	101//DP581882	THE COUNCIL OF THE CITY OF BLACKTOWN
4	1//DP909138	THE PRESBYTERIAN CHURCH (NEW SOUTH WALES) PROPERTY TRUST
5	4//DP1041487	BLACKTOWN CITY COUNCIL
6	3//DP1041487	WESTERN SYDNEY PARKLANDS TRUST
7	100//DP882326	WESTERN SYDNEY PARKLANDS TRUST
8	5//DP8681	WESTERN SYDNEY PARKLANDS TRUST
9	4//DP8681	WESTERN SYDNEY PARKLANDS TRUST [AUTO-CONSOL 3439-80]
10	3//DP8681	WESTERN SYDNEY PARKLANDS TRUST [AUTO-CONSOL 3439-80]
11	1//DP135665	WESTERN SYDNEY PARKLANDS TRUST [AUTO-CONSOL 9630-178]
12	13//DP8681	WESTERN SYDNEY PARKLANDS TRUST [AUTO-CONSOL 9630-178]
13	1//DP8681	WESTERN SYDNEY PARKLANDS TRUST
14	3//DP830836	WESTERN SYDNEY PARKLANDS TRUST
15	2//DP830836	WESTERN SYDNEY PARKLANDS TRUST
16	4//DP830836	WESTERN SYDNEY PARKLANDS TRUST
17	1//DP830836	WESTERN SYDNEY PARKLANDS TRUST
18	2//DP1041487	WESTERN SYDNEY PARKLANDS TRUST
19	2//DP1041487	WESTERN SYDNEY PARKLANDS TRUST
20	5//DP830836	WESTERN SYDNEY PARKLANDS TRUST
21	6//DP830836	WESTERN SYDNEY PARKLANDS TRUST
22	A//DP358346	WESTERN SYDNEY PARKLANDS TRUST
23	8//DP31130	WESTERN SYDNEY PARKLANDS TRUST
24	1//DP31130	WESTERN SYDNEY PARKLANDS TRUST
25	2//DP31130	ALBERT GATES MARGARET ALLAN GATES AS JOINT TENANTS
26	3//DP31130	MINISTER ADMINISTERING THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 19
27	4//DP31130	BARRY CLYDE DAWSON
28	5//DP31130	MINISTER ADMINISTERING THE ENVIRONMENTAL PLANNING & ASSESSMENT ACT 19
29	6//DP31130	WESTERN SYDNEY PARKLANDS TRUST
30	7//DP31130	WESTERN SYDNEY PARKLANDS TRUST
31	2//DP8681	WESTERN SYDNEY PARKLANDS TRUST
32	7//DP830836	WESTERN SYDNEY PARKLANDS TRUST
33	8//DP830836	WESTERN SYDNEY PARKLANDS TRUST
34	9//DP830836	WESTERN SYDNEY PARKLANDS TRUST
35	10//DP830836	WESTERN SYDNEY PARKLANDS TRUST
36	3//DP8681	WESTERN SYDNEY PARKLANDS TRUST
37	12//DP882325	WESTERN SYDNEY PARKLANDS TRUST
38	11//DP882325	WESTERN SYDNEY PARKLANDS TRUST
39	14//DP882325	WESTERN SYDNEY PARKLANDS TRUST
40	1//DP1069269	WESTERN SYDNEY PARKLANDS TRUST
41	2//DP1069269	WESTERN SYDNEY PARKLANDS TRUST
42	14//DP1051904	AGL GAS NETWORKS LIMITED
43	50//DP1121258	ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES
44	12//DP1041487	ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES
45	11//DP1041487	ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES
ID	Road Ownership Status	
45	ROAD BEING THE RESIDUE OF LAND IN CERTIFICATE OF TITLE VOLUME 826 FOLIO 243	
46	PUBLIC CROWN SUBDIVISION ROAD	
47	PUBLIC CROWN RESERVED ROAD	
48	ROAD BEING THE RESIDUE OF LAND IN CERTIFICATE OF TITLE VOLUME 147 FOLIO 41	
49	PUBLIC CROWN SUBDIVISION ROAD	

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B	30-04-2010	Ownership information updated, Easements added	KDS
A	20-07-2009	Table Amended	SAS

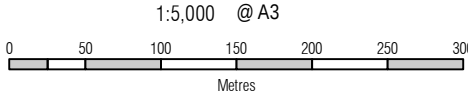
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PREPARED FOR:



CHECKED BY/DATE: KDS/07-05-2010
APPROVED BY/DATE: DWF/07-05-2010
GIS REF: F719-G-003b.mxd
JOB REF: F719

CO-ORDS: MGA
DATUM: N/A
DATE OF PLAN: 07-05-2010



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