



TABLES

Table 1.1
GTP Groundwater and Surface Water Chemical Monitoring Program
2008 - 2010

							Proposed 2008/2009 GTP Chemical Monitoring Program						
Chemical Sampling Locations							Analytical Program					Comments	
							Volatile CHCs			Semivolatile CHCs			
Plume Label	Location	Well/ Piezometer ID	All well sample port depths (m)	Scheduled Sample Depths (m)	Shallow depths (if app.)	VC SIM analysis sample ports	Quarterly	Annual (Sept 2008, Sept 2010 etc)	Biennial (Sept 2009, Sept 2011 etc)	Quarterly	Annual (Sept 2008, Sept 2010 etc)	Biennial (Sept 2009, Sept 2011 etc)	
Southern Plumes													
S1/S2	RailCorp	BP95	3, 6, 9, 12, 15, 18, 21	3, 6, 9, 12, 15, 18, 21	3	3						Quarterly and annual sampling of shallowest port to assess vCHC concentration against CHHRA. Biennial sampling of deeper ports to assess changes in CHC distribution in Rail Corridor and S1/S2. Upgradient of PCA. Additional annual svCHC analysis as per DECC comments August 2008. Annual sampling at 7 ports to commence in September 2009 as per Orica/DECC agreement (October 2008). Location has been destroyed (September 2009).	
S2/S3	Block 1 Southlands	BP23	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S1/C1	Block 1 Southlands	BP45	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20				5	5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs as per DECC comments August 2008.	
S1/C1	Block 1 Southlands	BP46	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20				5	5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs as per DECC comments August 2008.	
S1/S2	Block 1 Southlands	BP47	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S2	Block 1 Southlands	BP48	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S2/S3	Block 1 Southlands	BP49	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S2/S3	Block 1 Southlands	BP50	2, 4, 6, 8, 10, 12, 14, 16, 18, 20	6, 8, 12, 16, 20					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S1/C1	Block 1 Southlands	WG226S	(1-4)	(1-4)				1	1			New to program. Annual sampling of shallowest well to assess vCHC concentration against CHHRA and assess shallow groundwater adjacent to Springvale Drain.	
S1/S2	Block 1 Southlands	WG225S	(1-4)	(1-4)				1	1			New to program. Annual sampling of shallowest well to assess vCHC concentration against CHHRA and assess shallow groundwater adjacent to Springvale Drain.	
S2/S3	Block 1 Southlands	WG224S	(1-4)	(1-4)				1	1			New to program. Annual sampling of shallowest well to assess vCHC concentration against CHHRA and assess shallow groundwater adjacent to Springvale Drain.	
S3	Block 1 Southlands	BP51	3, 6, 9, 12, 15, 18, 21	6, 9, 12, 15, 21					5		5	Biennial sampling to assess changes in CHC distribution at Block 1 Southlands. Upgradient of PCA	
S3	Botany Road	WG23S/ WG75I	4-6, 12-15	4-6, 12-15	WG23S	WG23S	1	2	2	2	2	Quarterly sampling of shallowest port to assess vCHC concentration against CHHRA. Annual sampling of deeper well to assess changes in CHC distribution on periphery of S2/S3 Plumes. Additional VC SIM analysis and annual svCHCs analysis included as per DECC comments (August 2008).	
S2/S3	Discovery Cove	BP61	4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20	4	4	1	5	5	5	5	Quarterly sampling of shallowest port to assess vCHC concentration against CHHRA. Annual sampling of deeper ports to assess changes in CHC distribution. Upgradient of SCA. Additional annual svCHC analysis as per DECC comments August 2008.	
S2/S3	Discovery Cove	BP114	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	4,6,10,16,20	4	4	1	5	5		5	Quarterly sampling of shallowest port to assess vCHC concentration against CHHRA. Annual sampling of deeper ports to assess changes in CHC distribution on periphery of S2/S3 Plumes.	
S3	Discovery Cove	BP62	4, 6, 8, 10, 12, 14, 16, 18, 20	4, 8, 12, 16, 20		4		5	5		5	Annual monitoring to assess changes in vCHC distribution on periphery of S3. Biennial sampling to assess changes in svCHC distribution.	
S2/S3/C1	Downgradient of Foreshore Road	BP115	3.25, 5.25, 6.5	3.25, 5.25, 6.5	3	3	3	3	3			Quarterly sampling of shallowest well to assess vCHC concentration against CHHRA. Annual sampling of deeper wells to assess changes in CHC distribution. Between SCA and Botany Bay. Increase in sampling ports for quarterly program as per DECC comments August 2008 and decommissioning of other Penrhyn Estuary monitoring locations.	
S2/S3/C1	Downgradient of Foreshore Road	BP108	2.25,3.25,4.25	2.25,3.25,4.25								Quarterly monitoring of water quality parameters to assess salinity of groundwater. Between SCA and Botany Bay. Decommissioned in August 2008 (Port Botany expansion project).	
S2/S3/C1	Downgradient of Foreshore Road	BP109	2.25,3.25,4.25	2.25,3.25,4.25								Quarterly monitoring of water quality parameters to assess salinity of groundwater. Between SCA and Botany Bay. Decommissioned in August 2008 (Port Botany expansion project).	
S2/S3/C1	Downgradient of Foreshore Road	MWF15S/I/D	S, I, D	S, I, D	(/)		3	3	3			Quarterly monitoring of all wells to assess changes in vCHC distribution.	
							9	36	66	0	7	57	

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Surface Water													
Springvale Drain	Upstream of Orica Stormwater Pipe	SW046				SW046	1	1	1			1	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Springvale Drain	Realignment – Springvale Drain Outlet	SW049				SW049	1	1	1			1	Quarterly monitoring of vCHCs. Biennial monitoring of svCHCs.
Springvale Drain	McPherson Street	SW005				SW005	1	1	1			1	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Springvale Drain	Penrhyn Estuary Outlet	SW031*				SW031	2	2	2			2	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Springvale Drain	Penrhyn Estuary SVD channel	SW030				SW030	1	1	1			1	Quarterly monitoring of vCHCs. Biennial monitoring of svCHCs.
Springvale Drain	Penrhyn Estuary SVD channel on Southlands	SW062				SW062	1	1	1			1	Added to the program following recommendations in the Air Emissions Sampling Program and discussions with the DECC. Sampling at this location to commence in September 2009.
Springvale Drain	Penrhyn Estuary SVD channel on Southlands	SW062_East				SW062_East	1	1	1			1	Added to the program following recommendations in the Air Emissions Sampling Program and discussions with the DECC. Sampling at this location to commence in September 2009.
Springvale Drain	Penrhyn Estuary SVD channel near MCA Shipping Yard	SW064				SW064	1	1	1			1	Added to the program following recommendations in the Air Emissions Sampling Program and discussions with the DECC. Sampling at this location to commence in September 2009.
Penrhyn Estuary	Old Boat Ramp	SW028*				SW028	2	2	2			2	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Penrhyn Estuary	Opposite Old Boat Ramp	SW060				SW060	1	1	1			1	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Penrhyn Estuary	New Boat Ramp	SW048*				SW048	2	2	2			2	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
Botany Golf Course	Pond in Botany Golf Course	SW066				SW066		1	1			1	Biannual monitoring of vCHCs. Monitoring frequency to be reviewed pending CHC concentrations detected during first two sampling events. Removed from quarterly program December 2008.
Floodvale Drain	Upstream Southlands	SW052				SW052	1	1	1			1	Quarterly monitoring of vCHCs. Biennial monitoring of svCHCs.
Floodvale Drain	McPherson Street	SW053				SW053	1	1	1			1	Quarterly monitoring of vCHCs. Biennial monitoring of svCHCs.
Penrhyn Estuary	Floodvale Drain Outlet	SW029*				SW029	2	2	2			2	Quarterly monitoring of vCHCs for assessment against the CHHRA. Biennial monitoring of svCHCs.
							18	19	19	0	0	19	
							91	225	319	0	22	182	

* Samples to be collected at both high tide and low tide

note: vCHC = volatile chlorinated hydrocarbon compounds; svCHC = semi-volatile chlorinated hydrocarbon compounds

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Central EDC Plume													
C1	BIP	BP91	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	6, 10, 16, 20, 24, 26, 28, 30				8	8			8	Annual monitoring to assess changes in CHC distribution within C1 Source Area. Upgradient of BIP line.
C1	BIP	BP07	???	6, 8, 10, 12, 14				5	5			5	Annual monitoring to assess changes in CHC distribution within C1 Plume. Upgradient of BIP line.
N4/N5/C1	Downgradient HCB Drum Store	BP80	3, 6, 9, 12, 15, 18, 21, 24, 27, 30	6, 15, 18, 24, 30				5	5			5	Annual monitoring to assess changes in CHC distribution within N4/N5/C1 Plume. Upgradient of BIP line.
C1	Nant Street Tank Farm	BP06	???	6, 10, 12, 16, 18					5				Biennial monitoring to assess changes in CHC distribution within C1 Plume. Upgradient of PCA.
C1	Block 2 Southlands	BP02	4, 6, 8, 12, 14, 16, 18, 20, 22, 24, 26	8, 12, 14, 16, 20				5	5			5	Biennial monitoring to assess changes in CHC distribution within C1 Plume at Block 2 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs as per DECC comments August 2008.
C1/S1	Block 2 Southlands	BP03	4, 6, 8, 12, 14, 16, 18, 20, 22, 24, 26	6, 12, 14, 16, 22, 26				6	6		6	6	Biennial monitoring to assess changes in CHC distribution within C1/S1 Plume at Block 2 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs and svCHCs as per DECC comments August 2008.
C1	Block 2 Southlands	BP33	4, 6, 8, 12, 14, 16, 18, 20	8, 12, 14, 16, 18				5	5				Biennial monitoring to assess changes in CHC distribution within C1 Plume at Block 2 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs as per DECC comments August 2008.
C1	Block 2 Southlands	BP21	4, 6, 8, 12, 14, 16, 18, 20	8, 12, 14, 16, 18				5	5				Biennial monitoring to assess changes in CHC distribution within C1 Plume at Block 2 Southlands. Upgradient of PCA. Changed to annual monitoring of vCHCs as per DECC comments August 2008.
C1/S1	Block 2 Southlands	WG74S/I/D	(4-7) (14-17) (27-30)	(4-7) (14-17) (27-30)					3			3	Biennial monitoring to assess changes in CHC distribution within C1/S1 Plumes at Block 2 Southlands. Upgradient of PCA.
C1/N5	Greenfield Street	BP41	2, 4, 8, 12, 14, 16, 18, 20	2, 4, 8, 12, 14, 16, 18	2	2	3	7	7				Quarterly sampling of shallowest port for comparison to CHHRA. Annual sampling of deeper ports to assess changes in C1/N5 Plume distribution. Upgradient of SCA. Additional shallow ports 4 and 8 m added to quarterly monitoring round as per DECC comments August 2008.
C1/S1	ING Property - Botany Road	BP59	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	4, 8, 12, 16, 18, 20, 24, 30	4	4	3	6	8			8	Quarterly sampling of shallowest port for comparison against CHHRA. Annual sampling of deeper ports to assess changes in C1/S1 Plume distribution. Upgradient of SCA. Additional shallow ports 8 and 12 m added to quarterly monitoring round as per DECC comments August 2008. Additional VC SIM analysis included as per DECC comments (August 2008).
C1	Bayview Towers - Botany Road	BP76	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	4, 6, 10, 14, 18, 22, 26	4	4	1	7	7				Quarterly sampling of shallowest port for comparison to CHHRA. Annual sampling of deeper ports to assess changes in C1 Plume distribution. Regular monitoring of locations BP59, BP60 and BP77 in vicinity. Upgradient of SCA. Additional VC SIM analysis included as per DECC comments (August 2008).
C1/S1	Botany Golf Course	BP60	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28	4, 6, 10, 14, 18, 22, 26	4	4	7	7	7			7	Quarterly sampling of shallowest port for comparison to CHHRA. Annual sampling of deeper ports to assess changes in C1/S1 Plume distribution. Upgradient of SCA. March quarterly to include sampling at all ports as per DECC comments August 2008.
S1/C1	Botany Golf Course	WG154S/ WG154D	(4-7) and (17-20)	(4-7) and (17-20)	WG154S	WG154S	2	2	2		2	2	Quarterly sampling of shallowest well for comparison against CHHRA. Annual sampling of deeper ports to assess changes in C1/S1 Plume distribution. Upgradient of SCA. Additional annual svCHC analysis as per DECC comments August 2008. Quarterly sampling of deep location added after discussions with DECC 17 April 2009.
C1	Botany Golf Course	BP77	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	4, 6, 10, 14, 18, 22, 28	4	4	7	7	7				Quarterly sampling of shallowest well for comparison against CHHRA. Annual sampling of deeper ports to assess changes in C1 Plume distribution. Upgradient of SCA. March quarterly to include sampling at all ports as per DECC comments August 2008.
							23	75	85	0	8	49	

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Northern Plumes													
-	North of Plant Site - Collins St	BP87	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33	6, 9, 15, 18, 27, 30		6			6			Biennial monitoring to assess changes in vCHC concentrations.	
N1	Northwest of Plant Site - Queen St	BP86	3, 6, 9, 12, 15, 18, 21	3, 6, 9, 12, 15, 18		3			6			Biennial monitoring to assess changes in vCHC concentrations.	
-	Pagewood Public School	BP85	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39	6, 9, 12, 18, 24, 36		6			6			Biennial monitoring to assess changes in vCHC concentrations.	
N1/N2	Pater Street	BP110	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42	3, 6, 12, 21, 27, 33, 39	3	3		1	7			Annual sampling of shallow groundwater and biennial sampling of the deeper aquifer to assess changes in vCHC distribution within the N1/N2 Plumes downgradient of BIP. Additional VC SIM analysis included as per DECC comments (August 2008).	
N4	SRA/Tank Farm	WG68/ WG68D	(4-7) (10.5-13.5) (26-29)	(4-7) (10.5-13.5) (26-29)				2	2		2	Annual sampling to assess changes in vCHC distribution within the N4/N5 Plumes downgradient of BIP.	
N4	SRA/Tank Farm	WG227S	(1-4)	(1-4)	WG227S		1	1	1		1	New to program - replaces WG41S. Quarterly sampling to assess vCHC concentrations adjacent to Springvale Drain. Biennial monitoring of svCHCs.	
N3	Mobil Terminal Carpark	WG234S/ WG234I/ WG234D	(6-9) (15-18) (25-28)	(6-9) (15-18) (25-28)	WG234S	WG234S	1	3	3		3	New to program - replaces WG86. Quarterly monitoring of vCHCs in shallowest well for comparison to CHHRA. Annual sampling of vCHCs in deeper wells to assess changes in vCHC distribution within the N3 Plume downgradient of BIP. Biennial monitoring of svCHCs.	
N1	Stephen Road	WG231S/ WG231I/ WG231D	(8-11) (16-19) (28-31)	(8-11) (16-19) (28-31)	WG231S	WG231S	1	3	3			New to program - replaces BP78. Quarterly sampling of shallowest well for comparison to CHHRA. Annual sampling of deeper wells to assess changes in vCHC distribution within the N1 Plume downgradient of BIP.	
N1	Nuplex	WG229S/ WG229I/ WG229D	(8-11) (19-22) (26.5-29.5)	(8-11) (19-22) (26.5-29.5)	WG229S	WG229S	1	3	3			New to program - replaces BP04. Quarterly monitoring of vCHCs in shallowest well for comparison to CHHRA. Annual monitoring of vCHCs in deeper wells to assess changes in vCHC distribution within the N1 Plume downgradient of BIP.	
N2/N3	Nuplex	WG233S/ WG233I/ WG233D	(8-11) (19-22) (29-32)	(8-11) (19-22) (29-32)	WG233S	WG233S	1	3	3			New to program - replaces BP52. Quarterly monitoring of vCHCs in shallowest well for comparison to CHHRA. Annual monitoring of vCHCs in deeper wells to assess changes in vCHC distribution within the N2/N3 Plumes downgradient of BIP. Additional VC SIM analysis included as per DECC comments (August 2008).	
N1/N2	Nuplex	WG230S/ WG230I/ WG230D	(8-11) (18-21) (29.5-32.5)	(8-11) (18-21) (29.5-32.5)					3			New to program - replaces BP53. Biennial monitoring to assess changes in vCHC distribution within the N1/N2 Plumes downgradient of BIP. Quarterly monitoring of WG229S and WG233S considered to be sufficient to assess water quality in this area.	
N1	Wiggins St/Trevelyan St (Banksmeadow PS)	BP54	3, 6, 9, 12, 15, 18, 21, 24, 27	6, 12, 21, 24, 27	6	6	1	5	5			Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N1 Plume distribution.	
N1	Banksmeadow PS	WG72S/ WG72I/ WG72D	(15-18) (21-24) (29-32)	(15-18) (21-24) (29-32)		WG72S		3	3			Annual monitoring of vCHCs to assess changes in N1 Plume distribution.	
N2/N3	Australand access road (Fletcher's property) downgradient of rail corridor.	BP111	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42	3, 6, 12, 18, 24, 30, 39	3	3		1	7		7	Annual monitoring of vCHC in shallowest port for comparison to CHHRA. Biennial monitoring of vCHCs in deeper ports to assess changes in N2/N3 Plume distribution downgradient of BIP. Additional VC SIM analysis included as per DECC comments (August 2008). Location is said to be decommissioned in August 2009.	
N3/N4/N5	Northern boundary of Mobil property.	BP112	2, 5, 8, 11, 14, 17	2, 8, 11, 14, 17					5		5	Biennial monitoring of CHCs to assess changes in N3/N4/N5 Plume distribution.	
N3/N4/N5	Northern boundary of Mobil property.	WG236	(18.5-21.5)	(18.5-21.5)								New to program - deeper well to supplement BP112. Biennial monitoring to assess changes in CHC distribution within the N3/N4/N5 Plumes downgradient of BIP. Location has been destroyed (December 2008).	
N3/N4/N5	Greenfield Street - downgradient Solvay property McPherson Street	BP113	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42	3, 6, 15, 18, 24, 30, 36	3	3	1	7	7	7	7	Quarterly monitoring of vCHCs in shallowest port for comparison against CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N3/N4/N5 Plume distribution. Upgradient of SCA. Biennial monitoring of svCHCs. Additional annual svCHC analysis as per DECC comments August 2008.	
N3	McPherson Street	BP55	3, 6, 9, 12, 15, 18, 21, 24, 27	6, 12, 18, 24, 27	6	6		1	5		5	Annual monitoring of vCHCs in shallowest port for comparison to CHHRA. Biennial monitoring of CHCs in deeper ports to assess changes in N3 Plume distribution in region of the west of PCA. Additional VC SIM analysis included as per DECC comments (August 2008).	
N2	McPherson Street	BP56	3, 6, 9, 12, 15, 18, 21, 24, 27, 30	6, 12, 18, 24, 27	6		1	5	5		5	Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N2 Plume distribution in region of the west of PCA. Biennial monitoring of svCHCs.	

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Plume Label	Location	Well/ Piezometer ID	All well sample port depths (m)	Scheduled Sample Depths (m)	Shallow depths (if app.)	VC SIM analysis sample ports							
N1/N2	Stephen Road/Botany Road (Department of Defence)	BP89	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39	6, 12, 18, 21, 24, 27, 30	6	6	1	7	7			Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N1/N2 Plume distribution.	
N1	Fremlin Street	BP57	3, 6, 9, 12, 15, 18, 21, 24, 27, 30	3, 6, 12, 18, 24, 27	3	3	1	6	6			Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N1 Plume distribution.	
N2/N3	Botany Golf Course	BP58	3, 6, 9, 18, 24, 27	3, 6, 9, 18, 24, 27	3	3	1	6	6			Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N2/N3 Plume distribution. Upgradient of SCA.	
N2/N3	Botany Golf Course	WG88I	12-18m	12-18m				1	1			Annual monitoring of vCHCs to supplement monitoring at BP58. Upgradient of SCA.	
N2	Offsite – Botany Golf Course	BP72	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29	3, 5, 9, 15, 19, 23	3	3	1	6	6			Quarterly monitoring of vCHCs in shallowest port for comparison to CHHRA. Annual monitoring of vCHCs in deeper ports to assess changes in N2 Plume distribution.	
N1/N2	Foreshore Road	BP116	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39	6, 9, 15, 21, 24, 30, 36		6			7			Biennial monitoring of CHCs to assess vCHC concentrations at the periphery of the N1/N2 Plumes upgradient of Botany Bay.	
N1	Foreshore Road	WG76S/ WG76D	(4-7) (27-30)	(4-7) (27-30)		WG76S			2			Biennial monitoring of CHCs to assess vCHC concentrations at the periphery of the N1 Plume upgradient of Botany Bay.	
							12	64	115	0	7	35	
Other Areas													
-	Chlorine Plant	MWC10S/I/D	(6-9) (9-12) (18-21)	(6-9) (9-12) (18-21)		MWC10S			3			3	Biennial monitoring of CHCs.
-	McPherson St	WG30/ MCW12D	(4 - 7) (11-14)	(4 - 7) (11-14)		WG30		2	2			2	Biennial monitoring to assess CHC concentrations to the east of Southern Plumes.
							0	2	5	0	0	5	
Penrhyn Estuary													
S2/S3	Offsite – Penrhyn Estuary	BP01		0.75, 1.25, 2, 6, 10	0.75	0.75	5	5	5			5	Quarterly monitoring of vCHCs in shallowest port (0.75 m) for assessment against the CHHRA. Annual monitoring of deeper ports to assess changes in S1/S2/S3 Plume distribution. Biennial monitoring of svCHCs. Increase in sampling ports for quarterly program as per DECC comments August 2008 and decommissioning of other Penrhyn Estuary monitoring locations.
S2/S3	Central mudflat - Middle Estuary	BP42*, BP43*		0.1, 0.5, 2.0	0.1	0.1	12	12	12			6	Quarterly monitoring of vCHCs in shallowest port (0.1 m) at high/low tides for assessment against the CHHRA. Annual monitoring of 0.1, 0.5 and 2.0 m ports. Biennial monitoring of svCHCs. Due to be decommissioned August 2008 (Port Botany expansion project). BP44 was decommissioned prior to September 2008 sampling. Continued sampling of ports until locations have been removed due to the Port Botany expansion.
S1/C1	Northwestern mudflat - Middle Estuary	BP64*, BP65*		0.1, 0.5, 2.0	0.1	0.1	12	12	12			6	Quarterly monitoring of vCHCs in shallowest port (0.1 m) at high/low tides for assessment against the CHHRA. Annual monitoring of 0.1, 0.5 and 2.0 m ports. Biennial monitoring of svCHCs. Due to be decommissioned August 2008 (Port Botany expansion project). BP66 was decommissioned prior to September 2008 sampling. Continued sampling of ports until locations have been removed due to the Port Botany expansion.
							29	29	29	0	0	17	

**Table 1.2
GTP Hydraulic Containment Monitoring Locations
2008 - 2010**

Location ID	Monitoring Purpose	Location Description	Easting	Northing	Aquifer
			MGA56		Shallow/Deep
EWD01I	BIP - Containment	BIP - 2nd Street	335465	6241474	Deep
EWD01S	BIP - Containment	BIP - 2nd Street	335467	6241472	Shallow
EWD02I	BIP - Containment	BIP - 2nd Street	335449	6241495	Deep
EWD02S	BIP - Containment	BIP - 2nd Street	335451	6241492	Shallow
EWD03I	BIP - Containment	BIP - 2nd Street	335433	6241515	Deep
EWD03S	BIP - Containment	BIP - 2nd Street	335434	6241513	Shallow
EWD04I	BIP - Containment	BIP - 2nd Street	335420	6241532	Deep
EWD04S	BIP - Containment	BIP - 2nd Street	335423	6241528	Shallow
EWD05I	BIP - Containment	BIP - 2nd Street	335389	6241571	Deep
EWD05S	BIP - Containment	BIP - 2nd Street	335390	6241570	Shallow
EWD06I	BIP - Containment	BIP - 2nd Street	335364	6241603	Deep
EWD06S	BIP - Containment	BIP - 2nd Street	335366	6241601	Shallow
EWD07I	BIP - Containment	BIP - 2nd Street	335349	6241622	Deep
EWD07S	BIP - Containment	BIP - 2nd Street	335351	6241620	Shallow
EWD08I	BIP - Containment	BIP - 2nd Street	335327	6241650	Deep
EWD08S	BIP - Containment	BIP - 2nd Street	335329	6241648	Shallow
EWD09I	BIP - Containment	BIP - 2nd Street	335308	6241675	Deep
EWD09S	BIP - Containment	BIP - 2nd Street	335310	6241673	Shallow
EWD10I	BIP - Containment	BIP - 2nd Street	335286	6241703	Deep
EWD10S	BIP - Containment	BIP - 2nd Street	335288	6241701	Shallow
EWD11D	BIP - Containment	BIP - 1st Street	335229	6241613	Deep
EWD11S	BIP - Containment	BIP - 1st Street	335231	6241610	Shallow
EWD12D	BIP - Containment	BIP - 1st Street	335212	6241640	Deep
EWD12S	BIP - Containment	BIP - 1st Street	335214	6241637	Shallow
EWD13I	BIP - Containment	BIP - 1st Street	335198	6241657	Deep
EWD13S	BIP - Containment	BIP - 1st Street	335196	6241660	Shallow
EWD14D	BIP - Containment	BIP - 1st Street	335177	6241684	Deep
EWD14I	BIP - Containment	BIP - 1st Street	335181	6241679	Deep
EWD14S	BIP - Containment	BIP - 1st Street	335178	6241682	Shallow
EWD15D	BIP - Containment	BIP - 1st Street	335161	6241704	Deep
EWD15I	BIP - Containment	BIP - 1st Street	335164	6241701	Deep
EWD15S	BIP - Containment	BIP - 1st Street	335160	6241707	Shallow
EWD16D	BIP - Containment	BIP - 1st Street	335145	6241725	Deep
EWD17D	BIP - Containment	BIP - 1st Street	335130	6241745	Deep
EWD17I	BIP - Containment	BIP - 1st Street	335132	6241742	Deep
EWD18D	BIP - Containment	BIP - 1st Street	335120	6241757	Deep
EWD18I	BIP - Containment	BIP - 1st Street	335122	6241755	Deep
EWD19D	BIP - Containment	BIP - 1st Street	335091	6241794	Deep
EWD19I	BIP - Containment	BIP - 1st Street	335093	6241792	Deep
EWD20D	BIP - Containment	BIP - 1st Street	335065	6241827	Deep
EWD20I	BIP - Containment	BIP - 1st Street	335068	6241824	Deep
EWD21D	BIP - Containment	BIP - 1st Street	335045	6241853	Deep
EWD21I	BIP - Containment	BIP - 1st Street	335049	6241848	Deep
EWD21S	BIP - Containment	BIP - 1st Street	335047	6241851	Shallow
EWD22I	BIP - Containment	BIP - 1st Street	335018	6241887	Deep
EWD22S	BIP - Containment	BIP - 1st Street	335016	6241890	Shallow
EWD23I	BIP - Containment	BIP - 1st Street	334987	6241926	Deep
EWD23S	BIP - Containment	BIP - 1st Street	334985	6241930	Shallow
EWD24I	BIP - Containment	BIP - 1st Street	334956	6241966	Deep
EWD24S	BIP - Containment	BIP - 1st Street	334954	6241969	Shallow
EWD25I	BIP - Containment	BIP - 1st Street	334926	6242005	Deep
EWD25S	BIP - Containment	BIP - 1st Street	334923	6242009	Shallow
EWD26D	BIP - Containment	BIP - 1st Street	334900	6242037	Deep
EWD26I	BIP - Containment	BIP - 1st Street	334903	6242032	Deep
EWD26S	BIP - Containment	BIP - 1st Street	334901	6242035	Shallow
EWD27D	BIP - Containment	BIP - 1st Street	334884	6242094	Deep
EWD27I	BIP - Containment	BIP - 1st Street	334885	6242088	Deep
EWD27S	BIP - Containment	BIP - 1st Street	334885	6242092	Shallow
EWD28I	BIP - Containment	BIP - 1st Street	334924	6242161	Deep
EWD28S	BIP - Containment	BIP - 1st Street	334926	6242162	Shallow
MWD01I	BIP - Containment	BIP - 2nd Street	335457	6241484	Deep
MWD01S	BIP - Containment	BIP - 2nd Street	335457	6241484	Shallow
MWD02I	BIP - Containment	BIP - 2nd Street	335426	6241523	Deep
MWD02S	BIP - Containment	BIP - 2nd Street	335426	6241523	Shallow
MWD03I	BIP - Containment	BIP - 2nd Street	335379	6241583	Deep

Table 1.2
GTP Hydraulic Containment Monitoring Locations
2008 - 2010

Location ID	Monitoring Purpose	Location Description	Easting	Northing	Aquifer
			MGA56		Shallow/Deep
MWD03S	BIP - Containment	BIP - 2nd Street	335379	6241583	Shallow
MWD04I	BIP - Containment	BIP - 2nd Street	335338	6241636	Deep
MWD05D	BIP - Containment	BIP - 2nd Street	335303	6241681	Deep
MWD05I	BIP - Containment	BIP - 2nd Street	335303	6241681	Deep
MWD05S	BIP - Containment	BIP - 2nd Street	335303	6241681	Shallow
MWD06I	BIP - Containment	BIP - 12th Avenue	335249	6241661	Deep
MWD06S	BIP - Containment	BIP - 12th Avenue	335249	6241661	Shallow
MWD07D	BIP - Containment	BIP - 1st Street	335234	6241624	Deep
MWD07I	BIP - Containment	BIP - 1st Street	335234	6241624	Deep
MWD07S	BIP - Containment	BIP - 1st Street	335234	6241624	Shallow
MWD08I	BIP - Containment	BIP - 1st Street	335189	6241670	Deep
MWD08S	BIP - Containment	BIP - 1st Street	335189	6241670	Shallow
MWD09I	BIP - Containment	BIP - 1st Street	335153	6241715	Deep
MWD09S	BIP - Containment	BIP - 1st Street	335153	6241715	Shallow
MWD10I	BIP - Containment	BIP - 1st Street	335124	6241753	Deep
MWD10S	BIP - Containment	BIP - 1st Street	335124	6241753	Shallow
MWD11I	BIP - Containment	BIP - 1st Street	335079	6241809	Deep
MWD11S	BIP - Containment	BIP - 1st Street	335079	6241809	Shallow
MWD12I	BIP - Containment	BIP - 1st Street	335032	6241870	Deep
MWD12S	BIP - Containment	BIP - 1st Street	335032	6241870	Shallow
MWD13I	BIP - Containment	BIP - 1st Street	334972	6241946	Deep
MWD13S	BIP - Containment	BIP - 1st Street	334972	6241946	Shallow
MWD14I	BIP - Containment	BIP - 1st Street	334940	6241987	Deep
MWD14S	BIP - Containment	BIP - 1st Street	334940	6241987	Shallow
MWD15D	BIP - Containment	BIP - 1st Street	334898	6242135	Deep
MWD15I	BIP - Containment	BIP - 1st Street	334898	6242135	Deep
MWD16D	BIP - Regional	BIP - Site Utilities Carpark	335409	6241504	Deep
MWD16S	BIP - Regional	BIP - Site Utilities Carpark	335409	6241504	Shallow
WG117	BIP - Regional	BIP - Rosella	335234	6241958	Shallow
WG118	BIP - Regional	BIP - 1st Street	335073	6241836	Shallow
WG123D	BIP - Regional	BIP - 1st Street	334916	6242034	Deep
WG123S	BIP - Regional	BIP - 1st Street	334916	6242034	Shallow
WG124	BIP - Regional	BIP - Rosella	335358	6241770	Shallow
WG127S	BIP - Regional	BIP - Rosella	335303	6242213	Shallow
WG150D	BIP - Regional	BIP - 1st Street	335013	6241908	Deep
WG200D	BIP - Regional	HCB Waste Encapsulation	335644	6242358	Deep
WG200S	BIP - Regional	HCB Waste Encapsulation	335644	6242357	Shallow
WG202D	BIP - Regional	HCB Waste Encapsulation	335794	6242152	Deep
WG202S	BIP - Regional	HCB Waste Encapsulation	335794	6242152	Shallow
WG204D	BIP - Regional	BIP - Solvents Plant	335453	6241424	Deep
WG204S	BIP - Regional	BIP - Solvents Plant	335453	6241424	Shallow
WG205D	BIP - Regional	BIP - 2nd Street	335506	6241435	Deep
WG205S	BIP - Regional	BIP - 2nd Street	335506	6241435	Shallow
WG208D	BIP - Regional	BIP - Solvents Plant	335578	6241342	Deep
WG208S	BIP - Regional	BIP - Solvents Plant	335578	6241342	Shallow
WG215D	BIP - Regional	North-eastern extremities	336144	6241760	Deep
WG216D	BIP - Regional	North-eastern extremities	336112	6242124	Deep
WG216I	BIP - Regional	North-eastern extremities	336112	6242124	Deep
WG217D	BIP - Regional	North-eastern extremities	336065	6242340	Deep
WG217S	BIP - Regional	North-eastern extremities	336065	6242341	Shallow
WG228D	BIP - Regional	Offsite - Pater Street	334799	6241938	Deep
WG228S	BIP - Regional	Offsite - Pater Street	334799	6241938	Shallow
WG41S	BIP - Regional	Nant St Tank Farm	335141	6241614	Shallow
WG48	BIP - Regional	BIP - Rosella	335238	6241970	Shallow
WG49	BIP - Regional	BIP - Polypropylene Plant	335406	6242115	Deep
WG68D	BIP - Regional	Nant St Tank Farm	335114	6241643	Deep
WG83I	BIP - Regional	BIP - EDC Storage Tanks	335574	6241699	Deep
WG83S	BIP - Regional	BIP - EDC Storage Tanks	335575	6241699	Shallow
WG91S	BIP - Regional	BIP - Vinyls Plant	335647	6241656	Shallow
WG232I	Northern Areas	Eastlakes Golf Course	334449	6243244	Deep
WG232S	Northern Areas	Eastlakes Golf Course	334449	6243244	Shallow
WG235D	Northern Areas	David Philips Field	335733	6243970	Deep
WG235I	Northern Areas	David Philips Field	335736	6243978	Deep
WG235S	Northern Areas	David Philips Field	335735	6243974	Shallow
EWB02D	PCA - Containment	PCA - Block 2	334986	6241200	Deep
EWB05D	PCA - Containment	PCA - Block 2	334935	6241074	Deep
EWB06D	PCA - Containment	PCA - Block 2	334885	6241109	Deep
EWB07D	PCA - Containment	PCA - Block 1	335276	6241018	Deep
EWB08D	PCA - Containment	PCA - Block 1	335239	6241024	Deep
EWB09D	PCA - Containment	PCA - Block 1	335198	6241031	Deep

Table 1.2
GTP Hydraulic Containment Monitoring Locations
2008 - 2010

Location ID	Monitoring Purpose	Location Description	Easting	Northing	Aquifer
			MGA56		Shallow/Deep
EWB10D	PCA - Containment	PCA - Block 2	335130	6241042	Deep
EWB11D	PCA - Containment	PCA - Block 2	335105	6241047	Deep
EWB12D	PCA - Containment	PCA - Block 2	335045	6241057	Deep
EWB13D	PCA - Containment	PCA - Block 2	334992	6241066	Deep
EWB14D	PCA - Containment	PCA - Block 2	334965	6241166	Deep
EWB15D	PCA - Containment	PCA - Block 2	334859	6241088	Deep
MWB01I	PCA - Containment	PCA - Block 1	335256	6241021	Deep
MWB01S	PCA - Containment	PCA - Block 1	335256	6241021	Shallow
MWB02I	PCA - Containment	PCA - Block 1	335218	6241027	Deep
MWB02S	PCA - Containment	PCA - Block 1	335218	6241027	Shallow
MWB03I	PCA - Containment	PCA - Block 1	335174	6241034	Deep
MWB03S	PCA - Containment	PCA - Block 1	335174	6241034	Shallow
MWB04I	PCA - Containment	PCA - Block 2	335117	6241045	Deep
MWB04S	PCA - Containment	PCA - Block 2	335117	6241045	Shallow
MWB05I	PCA - Containment	PCA - Block 2	335083	6241050	Deep
MWB05S	PCA - Containment	PCA - Block 2	335083	6241050	Shallow
MWB06I	PCA - Containment	PCA - Block 2	335017	6241061	Deep
MWB06S	PCA - Containment	PCA - Block 2	335017	6241061	Shallow
MWB07I	PCA - Containment	PCA - Block 2	334960	6241071	Deep
MWB07S	PCA - Containment	PCA - Block 2	334960	6241071	Shallow
MWB08I	PCA - Containment	PCA - Block 2	334901	6241086	Deep
MWB09I	PCA - Containment	PCA - Block 2	334869	6241106	Deep
MWB11I	PCA - Containment	Macpherson Street	334996	6241047	Deep
MWB11S	PCA - Containment	Macpherson Street	334996	6241047	Shallow
MWB13S	PCA - Containment	Macpherson Street	335103	6241029	Shallow
MWB14S	PCA - Containment	Macpherson Street	334932	6241057	Shallow
MWB15S	PCA - Containment	Macpherson Street	335197	6241020	Shallow
MWB12D	PCA - Regional	PCA - Southlands Block 1	335378	6241000	Deep
MWB12S	PCA - Regional	PCA - Southlands Block 1	335378	6241000	Shallow
MWC09D	PCA - Regional	BIP - Chlor-Alkali plant	335828	6241080	Deep
MWC09S	PCA - Regional	BIP - Chlor-Alkali plant	335829	6241081	Shallow
MWC11D	PCA - Regional	BIP - Chlor-Alkali plant	335618	6240908	Deep
MWC11S	PCA - Regional	BIP - Chlor-Alkali plant	335618	6240909	Shallow
SL01D	PCA - Regional	Solvay	334776	6241162	Deep
WG141	PCA - Regional	Block 1 Southlands (BP24)	335355	6241162	Deep
WG146I	PCA - Regional	Southlands Block 2	335005	6241247	Deep
WG147I	PCA - Regional	Southlands Block 2	334963	6241188	Deep
WG152D	PCA - Regional	Southlands Block 2	334893	6241249	Deep
WG153D	PCA - Regional	Southlands Block 2	335045	6241126	Deep
WG162D	PCA - Regional	Block 2 Southlands	334899	6241122	Deep
WG162S	PCA - Regional	Block 2 Southlands	334899	6241123	Shallow
WG171I	PCA - Regional	Block 2 Southlands	335068	6241348	Deep
WG171S	PCA - Regional	Block 2 Southlands	335068	6241348	Shallow
WG21	PCA - Regional	Block 1 Southlands	335315	6241083	Shallow
WG61	PCA - Regional	Block 2 Southlands	334937	6241339	Deep
WG64	PCA - Regional	Block 2 Southlands	334940	6241340	Shallow
WG70D	PCA - Regional	Block 1 Southlands	335342	6241243	Deep
WG73D	PCA - Regional	Southlands Block 1	335252	6241031	Deep
WG73S	PCA - Regional	Southlands Block 1	335257	6241031	Shallow
WG74I	PCA - Regional	Southlands Block 2	334992	6241091	Deep
WG74S	PCA - Regional	Southlands Block 2	334990	6241091	Shallow
WG82D	PCA - Regional	Block 1 Southlands	335235	6241323	Deep
WG82S	PCA - Regional	Block 1 Southlands	335233	6241323	Shallow
EWF01D	SCA - Containment	SCA - Foreshore Road	334685	6240665	Deep
EWF01S	SCA - Containment	SCA - Foreshore Road	334681	6240665	Shallow
EWF02S	SCA - Containment	SCA - Foreshore Road	334665	6240668	Shallow
EWF03D	SCA - Containment	SCA - Foreshore Road	334645	6240671	Deep
EWF03S	SCA - Containment	SCA - Foreshore Road	334641	6240672	Shallow
EWF04S	SCA - Containment	SCA - Foreshore Road	334625	6240675	Shallow
EWF05D	SCA - Containment	SCA - Foreshore Road	334605	6240679	Deep
EWF05S	SCA - Containment	SCA - Foreshore Road	334601	6240680	Shallow
EWF06S	SCA - Containment	SCA - Foreshore Road	334585	6240684	Shallow
EWF07D	SCA - Containment	SCA - Foreshore Road	334565	6240688	Deep
EWF07S	SCA - Containment	SCA - Foreshore Road	334561	6240689	Shallow
EWF08S	SCA - Containment	SCA - Foreshore Road	334545	6240693	Shallow
EWF09D	SCA - Containment	SCA - Foreshore Road	334525	6240698	Deep
EWF09S	SCA - Containment	SCA - Foreshore Road	334521	6240699	Shallow
EWF10S	SCA - Containment	SCA - Foreshore Road	334505	6240704	Shallow
EWF11S	SCA - Containment	SCA - Foreshore Road	334485	6240710	Shallow
EWF12D	SCA - Containment	SCA - Foreshore Road	334465	6240716	Deep

**Table 1.2
GTP Hydraulic Containment Monitoring Locations
2008 - 2010**

Location ID	Monitoring Purpose	Location Description	Easting	Northing	Aquifer
			MGA56		Shallow/Deep
EWF12S	SCA - Containment	SCA - Foreshore Road	334461	6240717	Shallow
EWF13S	SCA - Containment	SCA - Foreshore Road	334445	6240722	Shallow
EWF14D	SCA - Containment	SCA - Foreshore Road	334425	6240729	Deep
EWF14S	SCA - Containment	SCA - Foreshore Road	334421	6240730	Shallow
EWF15S	SCA - Containment	SCA - Foreshore Road	334405	6240736	Shallow
EWF16D	SCA - Containment	SCA - Foreshore Road	334363	6240752	Deep
EWF16S	SCA - Containment	SCA - Foreshore Road	334359	6240753	Shallow
EWF17S	SCA - Containment	SCA - Foreshore Road	334338	6240762	Shallow
EWF18D	SCA - Containment	SCA - Foreshore Road	334313	6240773	Deep
EWF18S	SCA - Containment	SCA - Foreshore Road	334309	6240774	Shallow
EWF19S	SCA - Containment	SCA - Foreshore Road	334288	6240784	Shallow
EWF20D	SCA - Containment	SCA - Foreshore Road	334263	6240796	Deep
EWF21S	SCA - Containment	SCA - Foreshore Road	334705	6240662	Shallow
EWF22D	SCA - Containment	SCA - Foreshore Road	334731	6240658	Deep
EWF22S	SCA - Containment	SCA - Foreshore Road	334727	6240659	Shallow
EWF23S	SCA - Containment	SCA - Foreshore Road	334745	6240657	Shallow
EWF24D	SCA - Containment	SCA - Foreshore Road	334765	6240655	Deep
EWF24S	SCA - Containment	SCA - Foreshore Road	334761	6240655	Shallow
EWF25S	SCA - Containment	SCA - Foreshore Road	334785	6240653	Shallow
EWF26D	SCA - Containment	SCA - Foreshore Road	334805	6240651	Deep
EWF26S	SCA - Containment	SCA - Foreshore Road	334801	6240652	Shallow
EWF27S	SCA - Containment	SCA - Foreshore Road	334825	6240652	Shallow
EWF28D	SCA - Containment	SCA - Foreshore Road	334854	6240650	Deep
EWF28S	SCA - Containment	SCA - Foreshore Road	334849	6240650	Shallow
MWF01D	SCA - Containment	SCA - Foreshore Road	334673	6240667	Deep
MWF01I	SCA - Containment	SCA - Foreshore Road	334673	6240667	Deep
MWF01S	SCA - Containment	SCA - Foreshore Road	334673	6240667	Shallow
MWF02D	SCA - Containment	SCA - Foreshore Road	334633	6240674	Deep
MWF02I	SCA - Containment	SCA - Foreshore Road	334633	6240674	Deep
MWF02S	SCA - Containment	SCA - Foreshore Road	334633	6240674	Shallow
MWF03D	SCA - Containment	SCA - Foreshore Road	334593	6240682	Deep
MWF03I	SCA - Containment	SCA - Foreshore Road	334593	6240682	Deep
MWF03S	SCA - Containment	SCA - Foreshore Road	334593	6240682	Shallow
MWF04D	SCA - Containment	SCA - Foreshore Road	334553	6240691	Deep
MWF04I	SCA - Containment	SCA - Foreshore Road	334553	6240691	Deep
MWF04S	SCA - Containment	SCA - Foreshore Road	334553	6240691	Shallow
MWF05D	SCA - Containment	SCA - Foreshore Road	334513	6240702	Deep
MWF05I	SCA - Containment	SCA - Foreshore Road	334513	6240702	Deep
MWF05S	SCA - Containment	SCA - Foreshore Road	334513	6240702	Shallow
MWF06D	SCA - Containment	SCA - Foreshore Road	334475	6240713	Deep
MWF06I	SCA - Containment	SCA - Foreshore Road	334475	6240713	Deep
MWF06S	SCA - Containment	SCA - Foreshore Road	334475	6240713	Shallow
MWF07D	SCA - Containment	SCA - Foreshore Road	334436	6240725	Deep
MWF07I	SCA - Containment	SCA - Foreshore Road	334436	6240725	Deep
MWF07S	SCA - Containment	SCA - Foreshore Road	334436	6240725	Shallow
MWF08D	SCA - Containment	SCA - Foreshore Road	334384	6240744	Deep
MWF08I	SCA - Containment	SCA - Foreshore Road	334384	6240744	Deep
MWF08S	SCA - Containment	SCA - Foreshore Road	334384	6240744	Shallow
MWF09D	SCA - Containment	SCA - Foreshore Road	334326	6240767	Deep
MWF09I	SCA - Containment	SCA - Foreshore Road	334326	6240767	Deep
MWF09S	SCA - Containment	SCA - Foreshore Road	334326	6240767	Shallow
MWF10D	SCA - Containment	SCA - Foreshore Road	334275	6240790	Deep
MWF10I	SCA - Containment	SCA - Foreshore Road	334275	6240790	Deep
MWF10S	SCA - Containment	SCA - Foreshore Road	334275	6240790	Shallow
MWF11D	SCA - Containment	SCA - Foreshore Road	334696	6240663	Deep
MWF11I	SCA - Containment	SCA - Foreshore Road	334696	6240663	Deep
MWF11S	SCA - Containment	SCA - Foreshore Road	334696	6240663	Shallow
MWF12D	SCA - Containment	SCA - Foreshore Road	334753	6240656	Deep
MWF12I	SCA - Containment	SCA - Foreshore Road	334753	6240656	Deep
MWF12S	SCA - Containment	SCA - Foreshore Road	334753	6240656	Shallow
MWF13D	SCA - Containment	SCA - Foreshore Road	334793	6240652	Deep
MWF13I	SCA - Containment	SCA - Foreshore Road	334793	6240652	Deep
MWF13S	SCA - Containment	SCA - Foreshore Road	334793	6240652	Shallow
MWF14D	SCA - Containment	SCA - Foreshore Road	334837	6240650	Deep
MWF14I	SCA - Containment	SCA - Foreshore Road	334837	6240650	Deep
MWF14S	SCA - Containment	SCA - Foreshore Road	334837	6240650	Shallow
BP115	SCA - Regional	SCA - Penrhyn Estuary	334821	6240544	Deep
MWF15D	SCA - Regional	SCA - Penrhyn Estuary	334739	6240622	Deep
MWF15I	SCA - Regional	SCA - Penrhyn Estuary	334739	6240622	Deep
MWF15S	SCA - Regional	SCA - Penrhyn Estuary	334739	6240622	Shallow

Table 1.2
GTP Hydraulic Containment Monitoring Locations
2008 - 2010

Location ID	Monitoring Purpose	Location Description	Easting	Northing	Aquifer
			MGA56		Shallow/Deep
WG154D	SCA - Regional	Botany Golf Course	334824	6240773	Deep
WG154S	SCA - Regional	Botany Golf Course	334823	6240768	Shallow
WG155D	SCA - Regional	Offsite - Discovery Cove	334985	6240801	Deep
WG155S	SCA - Regional	Offsite - Discovery Cove	334985	6240800	Shallow
WG23S	SCA - Regional	Cnr Botany Rd and Foreshore Dr	335049	6240694	Shallow
WG75I	SCA - Regional	Cnr Botany Rd and Foreshore Dr	335052	6240692	Deep
WG88I	SCA - Regional	Botany Golf Course	334370	6240958	Deep
WG88S	SCA - Regional	Botany Golf Course	334370	6240958	Shallow
*WG224S	Springvale Drain	Nant St	335168	6241120	Shallow
*WG225S	Springvale Drain	Nant St	335164	6241238	Shallow
*WG226S	Springvale Drain	Nant St	335169	6241348	Shallow
*WG227S	Springvale Drain	Nant St	335132	6241586	Shallow
WG77S	Springvale Drain	Nant St Tank Farm	335151	6241410	Shallow
WG229D	Western Areas	Nuplex	334513	6241663	Deep
WG229S	Western Areas	Nuplex	334513	6241663	Shallow
WG231D	Western Areas	Offsite - Stephens Road	334492	6241924	Deep
WG231S	Western Areas	Offsite - Stephens Road	334492	6241924	Shallow
WG234D	Western Areas	Mobil Carpark	334853	6241530	Deep
WG234I	Western Areas	Mobil Carpark	334853	6241530	Deep
WG234S	Western Areas	Mobil Carpark	334853	6241530	Shallow
WG72D	Western Areas	Offsite - Banksmeadow PS	334380	6241482	Deep
WG72S	Western Areas	Offsite - Banksmeadow PS	334379	6241478	Shallow

Notes

- * Well not included in the Amended GTP Hydraulic Monitoring Programme but data included in the ongoing monitoring programme.

Table 3.1
Groundwater Elevations
March 2010

Bore Number	Area	shallow (1) / deep (2)	Easting	Northing	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10
EWD01I	BIP	2	335465	6241474	4.00	1.12	3.00	1.90	3.65	4.02	3.80	3.98	2.16	3.40	3.17	2.38	2.79
EWD01S	BIP	1	335467	6241472	4.08	2.61	3.30	1.48	3.59	3.94	3.71	4.28	2.88	2.00	1.62	2.85	2.61
EWD02I	BIP	2	335449	6241495	3.97	0.42	2.55	1.50	3.38	3.74	3.53	4.18	1.90	2.88	2.86	1.99	1.89
EWD02S	BIP	1	335451	6241492	4.11	2.25	2.07	2.32	1.19	1.99	3.55	4.17	1.43	1.24	1.84	2.63	1.24
EWD03I	BIP	2	335433	6241515	3.90	0.05	2.39	1.67	3.16	3.52	3.43	4.17	2.44	2.80	2.77	1.32	0.65
EWD03S	BIP	1	335434	6241513	4.01	2.29	1.71	1.61	1.63	1.70	3.58	4.25	0.71	1.01	0.45	1.26	1.16
EWD04I	BIP	2	335420	6241532	3.70	0.11	1.92	1.55	1.60	FT	3.18	4.03	1.47	2.36	2.43	1.94	1.51
EWD04S	BIP	1	335423	6241528	2.97	0.92	1.41	1.71	2.03	2.30	2.37	3.16	1.54	2.18	2.09	1.41	1.56
EWD05I	BIP	2	335389	6241571	3.54	0.64	1.90	2.09	2.83	3.57	2.65	4.13	2.35	3.04	2.50	1.16	1.36
EWD05S	BIP	1	335390	6241570	4.95	0.71	1.40	1.49	1.20	3.61	1.39	4.11	1.40	1.50	1.49	1.39	1.49
EWD06I	BIP	2	335364	6241603	2.15	0.81	1.27	1.09	1.51	1.97	1.19	4.04	1.49	2.40	2.83	1.36	1.63
EWD06S	BIP	1	335366	6241601	3.01	1.74	2.40	1.49	1.33	3.28	1.43	4.07	1.50	1.62	2.68	1.34	1.51
EWD07I	BIP	2	335349	6241622	2.40	0.89	2.50	2.64	1.50	3.58	1.27	3.96	1.42	2.38	2.89	1.50	2.18
EWD07S	BIP	1	335351	6241620	2.02	2.02	1.02	0.77	0.71	3.65	1.10	4.04	1.42	1.50	1.50	1.35	1.35
EWD08I	BIP	2	335327	6241650	2.82	1.00	2.46	2.61	3.17	3.89	2.19	4.01	2.19	2.85	2.52	1.92	2.53
EWD08S	BIP	1	335329	6241648	2.83	2.24	2.68	2.74	3.13	3.86	2.09	3.98	2.06	2.68	2.73	1.84	2.29
EWD09I	BIP	2	335308	6241675	2.05	1.27	0.79	3.03	3.03	3.68	1.20	3.66	1.18	1.67	1.47	1.03	2.49
EWD09S	BIP	1	335310	6241673	2.46	2.28	1.89	3.29	3.25	3.90	1.74	3.88	1.78	2.44	2.17	1.94	2.17
EWD10I	BIP	2	335286	6241703	3.14	0.81	0.25	3.18	3.23	3.81	0.87	3.77	1.06	1.33	1.28	0.67	2.76
EWD10S	BIP	1	335288	6241701	2.74	2.58	0.67	1.51	3.37	3.97	1.07	2.46	1.17	1.50	1.50	1.11	1.50
EWD11D	BIP	2	335229	6241613	0.77	0.26	0.67	1.02	1.10	3.14	0.94	1.56	0.67	1.00	0.65	1.82	0.61
EWD11S	BIP	1	335231	6241610	1.68	1.20	2.42	2.78	2.80	3.43	2.60	2.34	1.57	1.97	1.56	2.05	1.26
EWD12D	BIP	2	335212	6241640	2.03	1.63	1.88	2.14	2.22	2.94	2.07	2.44	1.53	1.99	1.62	1.76	1.57
EWD12S	BIP	1	335214	6241637	2.50	1.93	1.82	2.10	2.56	2.70	2.40	2.48	2.12	1.91	0.68	1.85	0.54
EWD13I	BIP	2	335198	6241657	1.94	1.66	1.97	2.21	2.29	2.82	2.09	2.48	1.77	2.25	1.89	1.57	1.81
EWD13S	BIP	1	335196	6241660	1.74	1.59	2.28	2.49	2.66	3.19	2.54	2.46	2.08	2.05	1.66	1.27	1.62
EWD14D	BIP	2	335177	6241684	2.13	1.81	1.87	1.16	1.43	1.90	1.54	1.91	1.25	1.99	1.44	1.11	1.25
EWD14I	BIP	2	335181	6241679	2.00	1.82	1.98	2.23	2.31	2.83	2.25	2.87	2.11	2.37	2.01	1.73	2.30
EWD14S	BIP	1	335178	6241682	1.97	1.74	1.88	2.10	2.17	2.70	2.24	2.89	2.12	2.24	1.93	1.53	1.88
EWD15D	BIP	2	335161	6241704	1.15	1.73	1.08	1.40	1.77	2.31	2.18	2.59	1.67	2.05	2.22	2.09	2.28
EWD15I	BIP	2	335164	6241701	1.54	1.22	1.24	1.61	1.81	2.87	1.80	2.73	1.74	2.24	2.11	1.82	1.99
EWD15S	BIP	1	335160	6241707	2.42	2.32	2.33	2.03	2.07	2.48	2.00	3.38	2.62	2.14	1.87	1.44	1.81
EWD16D	BIP	2	335145	6241725	1.70	1.49	1.53	1.98	2.61	2.97	2.08	3.39	2.11	2.18	2.19	1.99	2.18
EWD17D	BIP	2	335130	6241745	1.99	1.68	2.06	2.06	2.06	FT	2.06	2.06	2.06	2.06	2.06	2.06	2.06
EWD17I	BIP	2	335132	6241742	1.33	1.24	1.60	2.54	2.67	2.90	2.48	3.53	2.64	2.87	2.39	2.25	2.38
EWD18D	BIP	2	335120	6241757	2.19	1.95	1.95	2.49	2.40	1.13	1.37	3.65	0.99	1.49	1.24	2.29	2.36
EWD18I	BIP	2	335122	6241755	1.86	1.60	1.61	2.62	2.72	2.83	2.52	3.69	2.77	2.99	1.99	2.00	2.00
EWD19D	BIP	2	335091	6241794	5.16	1.43	1.39	1.92	2.66	-0.19	2.34	3.69	2.36	1.48	1.57	1.54	1.68
EWD19I	BIP	2	335093	6241792	4.44	1.09	1.12	1.60	1.75	1.93	1.78	FT	3.23	3.32	1.59	2.70	2.64
EWD20D	BIP	2	335065	6241827	1.30	2.45	7.70	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
EWD20I	BIP	2	335068	6241824	2.80	2.78	2.30	2.83	3.86	3.59	4.23	FT	6.36	7.63	1.31	2.39	1.43
EWD21D	BIP	2	335045	6241853	2.76	2.64	2.37	2.61	2.66	2.61	2.64	3.90	2.99	1.99	2.97	2.57	1.59
EWD21I	BIP	2	335049	6241848	2.44	2.77	2.32	2.38	2.55	2.57	2.39	4.01	1.93	2.12	3.02	2.68	2.12
EWD21S	BIP	1	335047	6241851	2.94	2.98	0.65	1.23	0.92	0.54	0.38	4.12	2.13	1.83	3.27	2.76	1.01
EWD22I	BIP	2	335018	6241887	2.89	2.95	2.73	2.42	2.96	2.37	2.29	4.21	3.70	3.75	3.58	2.73	2.46
EWD22S	BIP	1	335016	6241890	1.94	3.02	1.58	2.28	1.79	2.27	1.88	4.37	3.14	1.99	3.71	2.66	1.24
EWD23I	BIP	2	334987	6241926	2.61	1.36	1.72	2.39	1.82	2.31	3.29	4.23	3.92	4.14	3.84	2.61	1.59
EWD23S	BIP	1	334985	6241930	1.84	1.97	2.29	1.74	1.81	1.72	1.64	4.29	3.78	4.48	4.03	2.71	1.83
EWD24I	BIP	2	334956	6241966	1.97	2.18	3.31	3.58	3.49	2.75	3.77	4.36	4.24	4.49	4.11	1.83	1.26
EWD24S	BIP	1	334954	6241969	2.32	1.52	4.17	4.23	4.19	4.15	4.36	4.54	4.77	4.98	4.26	2.54	1.58
EWD25I	BIP	2	334926	6242005	1.44	1.88	3.56	3.84	3.78	3.73	4.00	4.30	4.37	4.62	4.24	2.16	2.01
EWD25S	BIP	1	334923	6242009	2.45	1.84	4.81	4.80	4.77	4.84	4.96	4.71	5.12	5.27	4.84	2.76	1.47
EWD26D	BIP	2	334900	6242037	1.96	1.88	3.93	4.16	4.10	4.17	4.35	4.46	4.69	4.89	4.57	1.99	1.08
EWD26I	BIP	2	334903	6242032	1.49	1.56	3.95	4.16	4.09	4.15	4.32	4.33	4.64	4.84	4.50	2.05	1.62
EWD26S	BIP	1	334901	6242035	3.70	3.84	5.38	5.29	5.28	5.31	5.42	5.03	5.52	5.60	5.27	3.60	2.77
EWD27D	BIP	2	334884	6242094	2.79	2.40	4.94	5.39	5.53	5.79	6.08	6.17	6.51	6.72	6.43	3.46	1.40
EWD27I	BIP	2	334885	6242088	1.55	1.54	4.08	4.28	4.20	4.30	FT	FT	2.78	4.73	4.43	1.92	1.14
EWD27S	BIP	1	334885	6242092	2.33	2.59	5.67	5.52	5.52	5.52	5.60	5.15	5.61	5.74	5.49	4.02	3.98
EWD28I	BIP	2	334924	6242161	2.48	1.76	4.63	4.85	4.85	4.96	5.04	5.04	5.37	5.60	5.28	2.92	1.99
EWD28S	BIP	1	334926	6242162	4.13	4.22	6.18	6.08	6.04	6.26	6.23	5.73	6.22	6.35	6.08	5.03	5.23
MWD01I	BIP	2	335457	6241484	3.97	1.78	3.04	2.49	3.44	3.74	3.51	4.11	2.53	3.20	3.13	2.55	2.67
MWD01S	BIP	1	335457	6241484	5.29	5.07	5.52	5.29	5.74	5.60	5.73	5.26	5.78	5.55	5.90	6.16	6.41
MWD02I	BIP	2	335426	6241523	3.84	1.42	2.65	2.43	2.93	FT	FT	FT	FT	2.99	2.92	2.28	2.52
MWD02S	BIP	1	335426	6241523	4.68	3.05	2.98	2.88	FT	FT	3.59	4.15	2.93	3.33	3.43	2.82	2.92
MWD03I	BIP	2	335379	6241583	3.37	1.86	2.58	2.60	2.80	3.54	2.61	FT	FT	2.92	2.97	2.12	2.43
MWD03S	BIP	1	335379	6241583	5.07	4.61	4.84	4.78	5.04	5.07	5.05	4.89	4.68	4.65	4.83	4.66	4.70
MWD04I	BIP	2	335338	6241636	3.10	2.01	2.61	2.94	2.90	3.76	2.36	3.97	2.26	2.88	2.91	2.15	2.58
MWD05D	BIP	2	335303	6241681	4.07	2.86	2.23	4.05	3.80	3.96	2.65	4.13	3.29	3.21	3.00	2.13	2.29
MWD05I	BIP	2	335303	6241681	2.84	1.95	1.96	3.07	3.07	3.77	2.09	3.73	1.99	2.48	2.39	1.83	2.67
MWD05S	BIP	1	335303	6241681	3.13	2.38	2.22	3.39	3.55	3.92	1.86	3.37	1.77	2.75	2.49	2.19	2.66
MWD06I	BIP	2	335249	6241661	2.56	1.85	2.05	2.63	2.78	3.39	2.29	3.42	1.98	2.52	FT	1.86	2.19
MWD06S	BIP	1	335249	6241661	2.87	2.30	2.37	3.00	3.17	3.48	2.54	3.34	2.35	3.23	2.44	2.01	2.34
MWD07D	BIP	2	335234	6241624	1.93	1.48	1.60	2.18	2.37	3.03	1.90	2.42	1.45	1.83	1.41	1.16	1.44
MWD07I	BIP	2	335234	6241624													

Table 3.1
Groundwater Elevations
March 2010

Bore Number	Area	shallow (1) / deep (2)	Easting	Northing	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10
MWD11S	BIP	1	335079	6241809	3.01	3.41	2.84	3.13	3.42	3.05	2.83	3.71	3.54	3.83	3.14	2.70	2.75
MWD12I	BIP	2	335032	6241870	2.92	2.89	2.60	2.68	2.79	2.74	2.97	4.32	3.46	3.60	3.43	2.67	2.41
MWD12S	BIP	1	335032	6241870	3.17	3.56	3.23	3.44	3.60	3.46	3.42	4.15	4.02	4.11	3.64	2.98	2.99
MWD13I	BIP	2	334972	6241946	2.22	2.12	2.77	3.26	3.28	3.06	3.55	4.24	4.09	-2.91	3.97	2.33	1.98
MWD13S	BIP	1	334972	6241946	3.16	3.40	4.19	4.11	4.35	4.20	4.26	4.58	4.70	5.07	4.10	3.30	3.34
MWD14I	BIP	2	334940	6241987	2.24	2.32	3.46	3.71	3.64	3.46	3.92	4.34	4.35	-2.60	4.23	2.24	2.06
MWD14S	BIP	1	334940	6241987	3.37	3.19	4.71	4.70	4.90	4.71	4.79	4.67	5.05	5.20	4.28	2.92	2.99
MWD15D	BIP	2	334898	6242135	2.30	2.12	4.06	4.24	6.01	4.27	4.48	4.49	4.75	4.79	4.69	1.32	1.48
MWD15I	BIP	2	334898	6242135	4.54	4.63	6.07	5.95	5.92	6.07	6.10	5.60	6.11	-1.93	6.54	5.10	5.76
MWD16D	BIP	2	335409	6241504	3.66	1.74	2.64	2.51	3.33	3.45	3.14	3.88	2.54	3.06	2.77	2.20	2.35
MWD16S	BIP	1	335409	6241504	5.50	5.06	5.24	4.73	5.37	5.30	5.55	5.05	5.02	5.34	5.15	FL	NA
WG117S	BIP	1	335259	6241953	7.00	7.52	7.13	6.94	7.23	7.38	7.13	6.56	7.05	7.53	6.76	6.68	6.42
WG118S	BIP	1	335073	6241836	4.46	4.39	4.59	4.58	4.84	4.74	4.81	4.58	4.79	4.95	4.31	4.20	4.38
WG123D	BIP	2	334916	6242034	1.99	2.08	3.90	4.10	4.30	5.83	4.26	4.32	4.61	4.61	4.42	2.05	2.03
WG123S	BIP	1	334916	6242034	5.07	5.23	5.74	5.48	5.89	4.08	5.99	5.21	5.68	6.05	5.45	4.93	5.01
WG124S	BIP	1	335358	6241770	5.92	3.99	4.35	5.01	4.26	4.93	4.32	4.82	4.06	4.51	4.54	3.94	4.24
WG127S	BIP	1	335033	6242213	8.30	8.30	8.42	8.25	8.34	8.33	#N/A	#N/A	8.02	8.38	8.37	8.40	8.39
WG150D	BIP	2	335013	6241908	2.92	2.99	2.71	2.96	3.25	3.11	3.00	4.29	3.87	3.79	3.55	2.33	2.45
WG200D	BIP	2	335644	6242358	7.04	5.94	7.35	6.78	6.15	7.75	8.24	8.42	8.16	8.19	8.71	8.44	8.31
WG200S	BIP	1	335644	6242357	9.08	8.91	9.46	9.25	9.59	9.57	9.69	9.77	9.63	9.83	10.03	9.99	9.88
WG202D	BIP	2	335794	6242152	7.38	6.89	7.73	7.38	7.34	7.51	6.96	7.43	6.89	6.95	8.25	7.24	6.78
WG202S	BIP	1	335794	6242152	8.45	8.19	8.20	8.51	8.65	8.61	8.61	8.47	8.24	8.42	9.09	8.79	8.56
WG204D	BIP	2	335453	6241424	3.84	2.89	3.30	3.49	3.37	#N/A	#N/A	3.90	2.75	3.38	3.21	2.55	2.78
WG204S	BIP	1	335453	6241424	5.66	5.73	5.67	5.56	5.73	#N/A	#N/A	5.39	5.38	5.77	5.59	5.35	5.27
WG205D	BIP	2	335506	6241435	4.12	2.92	3.56	3.33	4.04	4.07	3.79	4.21	3.18	3.73	3.66	3.01	3.25
WG205S	BIP	1	335506	6241435	6.12	5.91	6.27	6.01	6.50	6.36	6.40	6.03	6.10	6.37	6.06	FL	NA
WG208D	BIP	2	335578	6241342	4.30	3.84	4.07	4.27	3.98	4.27	4.03	4.22	3.52	4.05	3.97	3.54	3.69
WG208S	BIP	1	335578	6241342	6.32	6.25	6.47	6.23	6.45	6.44	6.40	6.18	6.06	6.27	6.34	6.19	6.16
WG215D	BIP	2	336144	6241760	8.11	7.93	8.56	8.21	8.23	8.26	8.16	7.95	7.59	8.13	8.52	8.20	8.15
WG216D	BIP	2	336112	6242124	8.69	8.53	9.34	8.91	9.01	9.04	9.00	8.87	8.50	8.91	9.61	9.10	8.96
WG216I	BIP	2	336112	6242124	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	9.05	9.68	9.30	9.16
WG217D	BIP	2	336065	6242340	9.24	8.99	10.14	9.79	9.91	9.90	10.27	10.27	10.01	10.29	10.69	10.48	10.36
WG217S	BIP	1	336065	6242341	9.53	9.42	10.06	9.87	10.10	10.10	10.35	10.22	10.06	10.28	10.71	10.59	10.40
WG228D	BIP	2	334799	6241938	#N/A	#N/A	#N/A	3.49	2.91	3.46	3.31	3.02	3.60	3.74	3.39	2.37	2.51
WG228S	BIP	1	334799	6241938	#N/A	#N/A	#N/A	5.22	2.40	5.34	5.30	5.04	5.22	5.33	5.07	4.90	4.93
WG41S	BIP	1	335140	6241579	3.11	1.85	2.03	2.26	2.33	2.91	2.36	2.64	2.10	#N/A	1.99	1.69	1.98
WG48D	BIP	2	335238	6241970	5.51	5.23	5.30	6.31	5.30	5.44	5.29	5.28	5.23	5.57	5.30	5.13	5.18
WG49D	BIP	2	335406	6242115	7.09	6.79	7.09	6.78	6.92	6.97	6.96	6.92	6.79	6.99	7.18	7.01	6.96
WG68D	BIP	2	335114	6241643	3.44	2.32	2.33	3.80	2.62	3.07	2.67	2.86	2.36	2.54	1.86	1.47	1.72
WG83I	BIP	2	335574	6241699	5.61	4.95	5.55	5.64	5.08	6.09	5.58	5.68	4.84	5.23	5.52	4.91	5.08
WG83S	BIP	1	335575	6241699	6.49	6.09	6.36	6.18	6.21	5.77	5.68	5.44	5.20	6.03	6.30	5.96	5.89
WG91S	BIP	1	335647	6241656	6.57	6.46	6.74	6.53	6.58	6.66	6.57	6.31	6.13	6.36	6.60	6.08	6.11
WG232I	NOR	2	334449	6243244	#N/A	#N/A	9.11	8.81	9.39	9.27	9.30	9.08	9.21	9.34	9.17	8.28	8.45
WG232S	NOR	1	334449	6243244	#N/A	#N/A	9.70	9.65	9.91	9.64	9.73	9.61	9.67	9.76	9.67	9.67	9.50
WG235D	NOR	2	335733	6243970	#N/A	10.82	14.16	14.29	14.59	14.38	14.22	14.45	14.41	14.56	15.05	15.05	14.98
WG235I	NOR	2	335736	6243978	#N/A	13.75	14.49	14.31	14.82	14.70	14.91	14.72	14.63	15.11	15.05	15.02	14.61
WG235S	NOR	1	335735	6243974	#N/A	14.11	14.75	14.51	15.05	14.84	15.08	14.83	14.76	15.23	15.32	15.15	14.90
EWB02D	PCA	2	334986	6241200	0.93	-0.50	1.07	-0.63	0.66	0.07	-0.33	-0.37	0.16	0.31	-0.96	-0.96	-0.85
EWB05D	PCA	2	334935	6241074	0.27	0.86	1.09	0.80	1.00	0.83	-0.50	0.15	-0.51	1.11	0.87	-0.99	2.92
EWB06D	PCA	2	334885	6241109	0.08	-0.12	0.31	0.83	-0.24	0.67	0.00	-0.19	-1.75	0.00	-0.99	0.74	0.93
EWB07D	PCA	2	335276	6241018	1.55	-0.14	1.38	-0.09	-0.29	0.00	-0.40	-0.37	0.99	0.00	0.06	1.00	0.86
EWB08D	PCA	2	335239	6241024	1.65	1.05	1.65	-0.98	-0.46	1.35	-0.99	-0.99	1.19	-0.99	-0.99	FT	-0.99
EWB09D	PCA	2	335198	6241031	0.87	0.59	1.40	0.26	0.27	-0.25	-0.99	-1.00	0.00	-0.99	-1.00	FT	-1.00
EWB10D	PCA	2	335130	6241042	0.65	-0.88	0.78	0.44	0.24	-0.31	-0.49	-0.50	-0.24	-0.50	-0.50	FT	0.78
EWB11D	PCA	2	335105	6241047	-0.01	-0.35	0.66	-0.62	-0.62	-0.49	-0.99	-0.02	0.54	0.18	-0.15	FT	0.10
EWB12D	PCA	2	335045	6241057	0.44	0.19	-0.41	-0.41	0.04	-0.10	-0.99	-1.00	-0.43	-0.99	-1.00	-0.99	-0.99
EWB13D	PCA	2	334992	6241066	-0.42	0.82	0.05	-0.21	0.03	-3.60	-0.58	-0.80	-0.80	-0.80	-0.79	-0.80	-0.80
EWB14D	PCA	2	334965	6241166	-0.09	-0.14	-0.40	-1.76	-0.75	-2.13	-2.00	-2.00	-0.30	-1.99	-2.00	-1.99	-1.99
EWB15D	PCA	2	334859	6241088	0.59	0.53	-0.25	-0.30	-0.25	1.01	FT	-1.00	-0.11	-0.99	-1.00	-0.99	-1.00
MWB01I	PCA	2	335256	6241021	1.84	1.11	1.17	0.96	0.98	1.41	0.99	1.19	1.57	1.02	1.05	1.26	1.28
MWB01S	PCA	1	335256	6241021	1.90	1.95	2.06	2.06	2.34	2.93	2.24	2.11	2.02	2.19	2.04	1.84	1.92
MWB02I	PCA	2	335218	6241027	1.76	1.01	2.00	0.39	1.53	1.31	0.87	0.91	1.17	0.96	1.05	0.96	1.05
MWB02S	PCA	1	335218	6241027	2.07	1.92	2.16	1.99	2.28	3.23	2.27	2.09	FL	2.27	1.99	1.72	1.83
MWB03I	PCA	2	335174	6241034	1.26	0.81	1.35	1.00	0.96	0.95	0.74	0.79	0.91	0.89	0.86	0.65	0.99
MWB03S	PCA	1	335174	6241034	1.79	1.77	1.92	1.82	2.15	0.84	2.00	1.85	1.67	2.05	1.81	1.54	1.68
MWB04I	PCA	2	335117	6241045	0.75	0.40	1.17	0.72	0.73	0.52	0.63	0.81	0.84	0.96	0.85	0.64	0.96
MWB04S	PCA	1	335117	6241045	1.23	1.18	1.47	1.28	1.64	2.78	1.31	1.29	FL	1.61	1.32	1.07	1.26
MWB05I	PCA	2	335083	6241050	0.72	0.64	1.02	0.68	0.76	0.35	0.25	0.43	0.78	0.83	0.65	0.52	0.79
MWB05S	PCA	1	335083	6241050	1.24	1.33	1.36	1.18	1.75	1.50	FL	1.40	1.31	1.67	1.38	1.05	1.24
MWB06I	PCA	2	335017	6241061	0.13	0.87	0.97	0.70	0.93	0.54	0.67	0.74	0.79	0.91	0.57	0.53	0.76
MWB06S	PCA	1	335017	6241061	0.99	1.19	1.10	1.22	1.61	2.66	1.37	1.32	1.03	1.61	1.24	0.93	1.11
MWB07I	PCA	2	334960	6241071	0.21	0.86	0.99	0.70	0.97	0.65	0.80	0.87	0.82	1.15	0.78	0.52	0.92
MWB07S	PCA	1	334960	6241071	0.94	1.08	1.01	1.09	0.00	1.01	1.13	1.08	1.03	1			

Table 3.1
Groundwater Elevations
March 2010

Bore Number	Area	shallow (1) / deep (2)	Easting	Northing	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10
MWC09D	PCA	2	335829	6241081	4.33	4.35	4.50	4.44	4.44	4.44	4.44	5.46	5.24	4.44	4.41	4.17	4.15
MWC09S	PCA	1	335828	6241080	5.37	5.48	5.70	5.53	5.70	5.67	5.68	4.31	4.21	5.55	5.53	5.42	5.34
MWC11D	PCA	2	335618	6240909	3.19	3.25	3.25	3.25	3.25	4.48	3.27	4.48	4.30	3.25	3.17	2.99	2.92
MWC11S	PCA	1	335618	6240908	4.18	4.42	4.36	4.45	4.47	3.26	4.51	3.09	3.15	4.31	4.24	4.52	4.53
SL01D	PCA	2	334776	6241162	1.35	1.30	1.34	1.40	1.76	1.59	1.48	1.43	1.40	1.71	1.30	1.19	1.32
WG141D	PCA	2	335355	6241162	3.09	2.76	#N/A	3.05	0.09	2.98	2.53	2.82	2.46	2.87	2.58	2.30	2.42
WG146I	PCA	2	335005	6241247	1.59	1.09	1.81	1.17	1.82	1.54	1.36	1.52	1.41	1.52	1.07	0.86	1.04
WG147I	PCA	2	334963	6241188	0.94	0.39	0.24	0.21	1.12	0.70	0.49	0.70	0.65	0.70	0.31	0.21	0.70
WG152D	PCA	2	334893	6241249	1.41	1.13	1.59	1.26	1.82	1.58	1.46	1.51	1.58	#N/A	1.33	1.16	1.33
WG153D	PCA	2	335045	6241126	1.03	0.97	0.89	0.99	1.58	2.65	1.26	1.17	1.15	1.50	1.09	0.85	1.05
WG162D	PCA	2	334899	6241122	0.66	1.52	0.27	0.88	0.89	1.13	0.67	1.35	1.34	1.56	0.61	0.61	0.82
WG162S	PCA	1	334899	6241123	1.43	1.93	1.43	1.63	1.67	1.45	1.48	1.53	1.54	1.92	1.58	1.26	1.40
WG171I	PCA	2	335068	6241348	2.56	2.59	2.07	0.10	2.40	2.71	2.18	2.42	2.23	2.60	2.14	1.80	2.01
WG171S	PCA	1	335068	6241348	2.55	2.71	2.18	2.79	2.37	2.82	2.32	FL	FL	2.74	2.25	1.91	2.10
WG21S	PCA	1	335315	6241083	2.15	1.88	#N/A	2.09	1.82	2.10	1.72	1.85	1.65	2.05	1.76	1.51	1.58
WG61D	PCA	2	334937	6241340	2.13	2.32	1.62	2.71	1.98	2.30	1.74	1.99	1.83	2.00	1.67	1.42	1.57
WG64S	PCA	1	334941	6241340	2.30	2.58	#N/A	2.42	2.22	2.58	2.10	2.20	-	2.58	1.88	1.77	1.93
WG70D	PCA	2	335342	6241243	3.19	2.63	#N/A	3.41	2.73	3.07	2.53	FL	3.16	2.93	2.64	2.27	3.43
WG73D	PCA	2	335252	6241031	2.11	1.26	1.66	0.96	1.38	1.45	1.00	1.31	1.95	#N/A	1.07	1.21	1.27
WG73S	PCA	1	335257	6241031	2.36	2.10	2.39	2.21	2.48	2.41	2.45	2.25	1.78	#N/A	1.14	0.91	1.00
WG74I	PCA	2	334992	6241091	0.17	0.83	0.40	0.47	1.24	1.35	0.73	0.83	1.04	#N/A	0.69	0.55	0.77
WG74S	PCA	1	334990	6241091	0.95	1.03	0.95	1.01	1.41	1.35	1.25	1.32	1.03	1.57	1.99	1.72	1.92
WG82D	PCA	2	335235	6241323	3.03	2.47	#N/A	3.14	2.62	1.16	2.44	2.88	2.36	2.82	2.46	2.06	2.25
WG82S	PCA	1	335233	6241323	3.29	2.57	#N/A	3.29	2.83	1.44	2.73	3.08	2.58	3.12	2.69	2.28	2.46
BP115D	SCA	2	334821	6240544	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.59	-0.04	0.03
EWF01D	SCA	2	334685	6240665	-0.97	-1.25	-2.45	-3.23	-2.96	-2.31	-2.50	-3.19	FT	-2.75	-2.75	-2.75	-2.75
EWF01S	SCA	1	334681	6240665	-0.29	0.01	-1.01	-0.61	-0.13	-3.95	-1.00	-0.87	-0.75	0.23	-0.75	-0.74	-0.74
EWF02S	SCA	1	334665	6240668	-0.76	0.18	-0.79	-0.87	-1.19	-0.75	-1.25	-1.38	-1.01	-1.50	-1.66	-1.64	-1.74
EWF03D	SCA	2	334645	6240671	-0.22	-1.50	-0.76	-0.93	-1.56	-0.87	-0.99	-0.69	-0.99	-0.99	-1.00	-0.99	-1.00
EWF03S	SCA	1	334641	6240672	-0.25	0.07	-0.52	-0.50	-0.26	-0.50	-1.14	-0.73	-0.84	-0.42	-0.92	-0.77	-0.61
EWF04S	SCA	1	334625	6240675	-0.33	-0.73	-0.77	-0.68	-0.30	-0.61	-1.42	-0.70	-0.67	-0.21	-0.86	-0.76	-0.57
EWF05D	SCA	2	334605	6240679	-0.27	-0.82	0.00	-0.60	FT	FT	FT	FT	FT	-1.08	0.17	-0.60	-0.59
EWF05S	SCA	1	334601	6240680	-0.14	0.19	-0.01	-0.08	-0.40	-0.36	-0.90	-1.07	FT	-0.13	FT	FT	-1.12
EWF06S	SCA	1	334585	6240684	-0.57	-0.41	-0.41	-0.94	-0.80	-0.81	-0.79	-1.11	-0.80	-0.79	-0.80	-0.79	-0.80
EWF07D	SCA	2	334565	6240688	-0.22	-0.16	-0.28	-0.48	-0.20	-0.30	-0.30	-0.19	-0.30	-0.25	-0.30	-0.02	0.06
EWF07S	SCA	1	334561	6240689	-0.23	-0.01	-0.63	-0.50	-0.21	-0.35	-0.53	-0.49	-0.50	-0.15	-0.50	-0.48	-0.39
EWF08S	SCA	1	334545	6240693	-0.25	-0.88	-0.87	-0.58	-0.16	-0.33	-0.75	-0.38	-0.51	0.00	-0.38	-0.28	-0.13
EWF09D	SCA	2	334525	6240698	-0.13	-0.39	-0.38	-0.58	-0.39	-0.39	-0.39	-0.30	-0.38	-0.38	-0.39	-0.38	-0.38
EWF09S	SCA	1	334521	6240699	-0.25	-0.12	-0.65	-0.44	-0.16	-0.21	-0.50	-0.01	-0.50	-0.04	-0.34	-0.23	-0.11
EWF10S	SCA	1	334505	6240704	-0.48	-0.72	-0.75	-0.46	-0.14	-0.24	-0.60	-0.38	-0.58	-0.08	-0.46	-0.36	-0.23
EWF11S	SCA	1	334485	6240710	-0.22	-0.07	-0.61	-0.38	0.09	0.07	-0.43	-0.28	-0.37	0.01	-0.26	-0.14	-0.09
EWF12D	SCA	2	334465	6240716	-0.86	-0.22	-0.66	-0.20	-0.25	-0.35	-0.25	-0.31	-0.25	-0.24	-0.24	-0.24	-0.25
EWF12S	SCA	1	334461	6240717	-0.48	-0.64	-0.74	-0.36	0.00	-0.13	-0.46	-0.28	-0.39	0.05	-0.38	-0.20	-0.09
EWF13S	SCA	1	334445	6240722	-0.07	-0.03	-0.72	-0.41	-0.10	-0.16	-0.49	-0.30	-0.49	0.01	-0.41	-0.27	-0.14
EWF14D	SCA	2	334425	6240729	-0.59	-1.44	-0.15	-0.99	-0.49	-0.99	0.00	0.11	0.00	0.20	0.01	0.00	0.08
EWF14S	SCA	1	334421	6240730	-0.05	-0.70	-0.60	-0.35	-0.03	-0.15	-0.38	0.00	-0.41	0.06	-0.34	-0.21	-0.13
EWF15S	SCA	1	334405	6240736	-0.01	-0.12	-0.65	-0.36	-0.08	-0.08	-0.36	-0.21	-0.42	0.09	-0.35	-0.28	-0.13
EWF16D	SCA	2	334363	6240752	-0.08	-0.99	-1.20	-0.96	-0.48	-0.49	-0.56	-0.23	-0.32	0.00	-0.18	0.05	-0.04
EWF16S	SCA	1	334359	6240753	-0.31	-0.74	-0.43	-0.19	0.01	0.04	-0.24	-0.14	-0.28	0.05	-0.26	-0.23	-0.13
EWF17S	SCA	1	334338	6240762	-0.55	0.21	-0.41	-0.27	0.05	0.06	-0.30	-0.14	-0.21	0.10	-0.03	0.11	0.21
EWF18D	SCA	2	334313	6240773	-0.96	0.30	-1.22	-1.86	-1.39	-1.40	-1.94	-1.33	-1.40	-1.39	-1.39	-1.39	-1.40
EWF18S	SCA	1	334309	6240774	0.03	FT	-0.45	-0.25	-0.01	-0.01	-0.31	-0.22	-0.31	-0.07	-0.33	-0.28	-0.19
EWF19S	SCA	1	334288	6240784	-0.52	FT	-0.40	-0.16	0.19	0.25	-0.16	-0.19	-0.25	-0.04	-0.28	-0.27	-0.20
EWF20D	SCA	2	334263	6240796	-0.67	FT	-0.88	-2.13	-2.00	0.27	0.22	0.26	FT	-2.28	-2.00	-1.76	-2.00
EWF21S	SCA	1	334705	6240662	0.00	FT	0.00	-1.29	-0.75	-0.85	-0.89	-1.20	-0.62	-0.49	-0.79	-0.87	-0.79
EWF22D	SCA	2	334731	6240658	0.03	-0.24	0.00	-2.36	0.13	-3.27	-1.50	-2.03	-2.00	-2.07	-2.00	-2.00	-2.00
EWF22S	SCA	1	334727	6240659	-0.64	0.64	0.00	-0.56	0.27	-1.72	-0.75	-0.23	-0.75	0.42	0.29	-0.80	-0.75
EWF23S	SCA	1	334745	6240657	-0.78	0.37	0.29	-0.67	0.15	-1.12	-0.75	-0.65	-0.50	-0.24	-0.50	-0.50	-0.50
EWF24D	SCA	2	334765	6240655	-2.19	-2.11	-2.33	-2.11	-2.13	-2.23	-2.25	-2.57	0.14	-1.41	-2.85	-3.16	-2.81
EWF24S	SCA	1	334761	6240655	-0.51	0.55	0.16	-1.20	-0.56	-1.23	-0.83	-2.26	-0.58	-0.34	-0.75	-0.74	-0.60
EWF25S	SCA	1	334785	6240653	-0.53	-0.51	0.16	-0.79	-0.28	-0.61	-0.79	-0.83	-0.79	0.50	-0.79	-0.78	-0.78
EWF26D	SCA	2	334805	6240651	-0.07	-0.30	-2.44	-4.37	-3.20	-3.32	-3.00	-3.48	-3.14	-3.49	-3.50	-3.49	-3.49
EWF26S	SCA	1	334801	6240652	-0.43	-0.41	-0.89	-1.15	-0.75	-1.22	-0.85	-1.04	-0.85	-0.89	-0.85	-0.84	-0.85
EWF27S	SCA	1	334825	6240652	0.00	-0.03	-0.20	-0.12	-1.10	-0.63	-1.00	-1.00	-1.00	0.23	-1.00	-0.99	-2.07
EWF28D	SCA	2	334854	6240650	-0.29	-2.28	-3.31	-2.94	-2.79	-3.76	-2.99	-2.81	-3.00	-3.49	-3.49	-3.49	-3.49
EWF28S	SCA	1	334849	6240650	-0.58	-0.93	-1.02	-1.76	-1.81	-1.20	-0.89	-0.79	-0.92	-1.41	-1.42	-1.41	-1.42
MWF01D	SCA	2	334673	6240667	0.16	0.05	0.26	-0.21	0.15	0.30	0.42	0.13	0.46	0.21	0.11	FT	FT
MWF01I	SCA	2	334673	6240667	0.01	0.15	0.00	-0.21	0.07	0.14	0.26	0.15	0.50	0.43	0.30	0.32	0.41
MWF01S	SCA	1	334673	6240667	-0.08	0.20	-0.07	-0.13	0.04	0.01	-0.21	-0.08	-0.07	0.19	-0.03	-0.09	0.00
MWF02D	SCA	2	334633	6240674	0.15	-0.10	0.32	-0.50	-0.35	-0.04	-0.04	-0.18	0.29	-0.05	0.01	-0.10	-0.04
MWF02I	SCA	2	334633	6240674	0.04	0.02	0.14	-0.17	0.00	0.09	0.12	0.12	0.18	0.22	FT	FT	0.00
MWF02S	SCA	1	334633	6240674	-0.26	0.00	-0.18	-0.39	-0.01	-0.16	-0.42	-0.20	-0.27	0.00	-0.34	-0.32	-0.17
MWF03D	SCA	2	334593	6240682	-0.24	-0.49	-0.13	-0.70	-0.34	-0.33	-0.35	-0.30	-0.22	-0.67	-0.18	-0.39	-0.22
MWF03I	SC																

Table 3.1
Groundwater Elevations
March 2010

Bore Number	Area	shallow (1) / deep (2)	Easting	Northing	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10
MWF06I	SCA	2	334475	6240713	-0.42	-0.18	-0.30	-0.18	-0.06	-0.09	-0.06	-0.09	-0.21	0.04	-0.11	-0.04	0.03
MWF06S	SCA	1	334475	6240713	-0.08	0.06	-0.12	0.05	0.29	0.27	-0.02	0.12	-0.07	0.33	-0.04	0.07	0.19
MWF07D	SCA	2	334436	6240725	FT	0.15	0.19	FT	FT	FT	FT	FT	0.78	0.92	FT	FT	0.96
MWF07I	SCA	2	334436	6240725	-0.39	-0.55	-0.15	-0.40	-0.13	-0.12	0.05	-0.35	-0.05	0.22	-0.01	0.05	0.14
MWF07S	SCA	1	334436	6240725	0.01	0.01	-0.17	0.02	0.22	0.23	-0.02	0.12	-0.08	0.33	0.06	FT	0.16
MWF08D	SCA	2	334384	6240744	-0.03	-0.22	-0.33	-0.35	-0.16	-0.15	-0.22	-0.16	-0.23	-0.01	FT	FT	FT
MWF08I	SCA	2	334384	6240744	-0.05	0.08	-0.20	-0.18	-0.04	-0.01	-0.12	-0.15	-0.15	0.05	-0.11	-0.18	0.00
MWF08S	SCA	1	334384	6240744	0.19	0.25	-0.01	0.17	0.35	0.47	0.30	0.30	0.19	0.62	0.23	0.18	0.29
MWF09D	SCA	2	334326	6240767	0.14	0.23	0.10	0.01	0.11	0.12	0.05	-0.04	0.12	0.19	0.10	-0.03	0.27
MWF09I	SCA	2	334326	6240767	-0.19	0.29	-0.29	-0.36	-0.13	-0.16	-0.33	-0.22	-0.37	-0.12	-0.29	-0.33	-0.26
MWF09S	SCA	1	334326	6240767	0.15	0.39	-0.01	0.12	0.28	0.31	0.10	0.15	0.01	0.25	0.06	0.02	0.09
MWF10D	SCA	2	334275	6240790	0.22	0.56	0.16	0.13	0.28	0.41	0.32	0.30	0.22	1.11	1.04	0.98	1.79
MWF10I	SCA	2	334275	6240790	0.10	0.43	0.12	0.02	0.11	0.18	0.15	0.12	0.21	0.28	0.15	0.04	0.16
MWF10S	SCA	1	334275	6240790	0.66	0.87	0.89	0.82	0.83	0.90	0.88	0.73	0.99	0.24	0.12	0.06	0.11
MWF11D	SCA	2	334696	6240663	0.51	0.26	0.39	0.20	0.62	0.25	-0.03	0.03	0.55	0.18	0.13	-0.24	-0.20
MWF11I	SCA	2	334696	6240663	0.05	1.19	0.07	-0.11	0.11	0.14	0.22	0.20	0.49	0.40	0.28	0.21	0.33
MWF11S	SCA	1	334696	6240663	0.01	0.30	0.05	-0.17	0.05	0.06	-0.35	-0.09	-0.13	0.11	-0.09	-0.16	-0.07
MWF12D	SCA	2	334753	6240656	0.29	0.04	0.01	-0.39	-0.02	0.00	0.03	0.04	0.47	0.14	0.14	0.11	0.20
MWF12I	SCA	2	334753	6240656	0.28	0.25	0.25	0.10	0.29	0.34	0.32	0.35	0.57	0.51	0.41	0.31	0.43
MWF12S	SCA	1	334753	6240656	-0.39	0.13	0.09	-0.20	0.06	-1.00	-0.27	-0.30	-0.06	0.08	-0.07	-0.20	-0.10
MWF13D	SCA	2	334793	6240652	0.34	0.04	-0.16	-0.22	0.08	-0.13	0.18	-0.05	0.52	0.10	0.03	0.00	0.10
MWF13I	SCA	2	334793	6240652	-0.28	-0.40	-0.26	-0.42	-0.31	0.39	-0.42	0.41	0.58	0.51	0.38	0.30	0.42
MWF13S	SCA	1	334793	6240652	0.33	0.26	0.22	0.12	0.43	0.18	0.38	-0.26	-0.05	0.14	-0.21	-0.29	-0.16
MWF14D	SCA	2	334837	6240650	0.43	-0.07	-0.32	-0.34	0.01	-0.20	0.15	-0.16	0.59	0.05	0.00	0.00	0.11
MWF14I	SCA	2	334837	6240650	0.26	0.14	0.10	0.14	0.05	0.34	0.40	0.48	1.00	0.54	0.42	0.34	0.33
MWF14S	SCA	1	334837	6240650	0.06	0.02	0.00	0.03	-0.03	0.05	0.05	0.53	0.13	0.30	-0.06	-0.15	0.01
MWF15D	SCA	2	334739	6240622	0.29	0.27	0.29	0.32	0.53	0.16	0.30	FL	#N/A	0.52	0.53	0.33	0.57
MWF15I	SCA	2	334739	6240622	0.19	0.12	0.18	0.04	0.39	1.73	0.22	FL	#N/A	0.54	0.30	0.20	0.28
MWF15S	SCA	1	334739	6240622	0.12	0.27	0.16	0.09	0.51	0.12	0.27	FL	#N/A	0.18	0.05	-0.02	0.05
WG154D	SCA	2	334824	6240773	0.52	0.51	0.42	1.12	0.68	0.24	0.47	FL	0.52	0.79	0.56	0.47	0.59
WG154S	SCA	1	334823	6240768	0.49	FL	0.49	0.40	0.81	1.10	0.58	0.58	0.67	0.77	0.71	0.63	0.66
WG155D	SCA	2	334985	6240800	0.77	0.96	0.73	2.84	0.74	0.81		0.78	0.79	0.84	0.73	0.63	0.75
WG155S	SCA	1	334985	6240800	0.83	0.98	0.83	0.94	0.79	0.86	0.74	0.84	0.84	1.02	0.86	0.73	0.82
WG23S	SCA	1	335049	6240694	0.75	0.69	0.79	0.72	1.01	0.79	0.82	0.75	0.78	0.89	0.75	0.59	0.64
WG75I	SCA	2	335052	6240692	1.03	0.92	0.98	0.91	1.21	0.98	0.98	0.97	0.92	1.03	0.91	0.82	0.91
WG88I	SCA	2	334370	6240958	0.57	0.73	0.77	0.67	1.00	0.88	0.91	0.75	0.77	1.00	0.67	0.62	0.64
WG88S	SCA	1	334370	6240958	0.65	0.77	0.70	0.59	0.92	0.87	0.94	0.63	0.73	0.90	0.60	0.58	0.61
WG224S	SVD	1	335168	6241120	#N/A	#N/A	#N/A	2.01	2.37	#N/A	#N/A	2.07	1.97	2.38	2.02	1.63	1.79
WG225S	SVD	1	335164	6241238	#N/A	#N/A	#N/A	2.31	2.73	#N/A	#N/A	2.42	2.30	2.68	2.24	1.88	2.08
WG226S	SVD	1	335169	6241348	#N/A	#N/A	#N/A	2.70	2.99	#N/A	#N/A	2.87	2.55	2.93	2.24	2.18	2.40
WG227S	SVD	1	335132	6241614	#N/A	#N/A	#N/A	3.31	#N/A	#N/A	#N/A	3.41	3.26	3.48	3.16	2.70	3.16
WG77S	SVD	1	335151	6241410	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	2.97	#N/A	3.01	2.63	2.22	2.53
WG229D	WEST	2	334513	6241663	#N/A	#N/A	2.36	2.57	3.59	2.49	2.31	2.27	2.35	2.55	2.28	1.96	2.03
WG229S	WEST	1	334513	6241663	#N/A	#N/A	4.75	4.45	4.99	4.42	4.36	4.34	4.33	4.51	4.45	4.28	4.18
WG231D	WEST	2	334492	6241924	#N/A	#N/A	#N/A	5.24	2.98	3.16	2.99	2.72	3.15	3.10	3.04	2.41	2.48
WG231S	WEST	1	334492	6241924	#N/A	#N/A	#N/A	3.30	3.45	5.39	5.31	6.34	6.49	6.47	5.37	5.24	5.15
WG234D	WEST	2	334853	6241530	#N/A	#N/A	2.13	2.49	2.77	2.67	2.47	2.63	2.52	2.71	2.32	1.99	2.15
WG234I	WEST	2	334853	6241530	#N/A	#N/A	2.26	2.61	2.86	2.62	2.60	2.75	2.69	2.98	2.78	2.65	2.31
WG234S	WEST	1	334853	6241530	#N/A	#N/A	2.49	2.74	3.00	2.91	2.80	2.77	2.77	3.01	2.59	2.35	2.48
WG72D	WEST	2	334380	6241482	1.86	2.03	2.03	2.19	2.09	2.19	2.09	2.00	2.07	2.40	1.96	1.71	1.78
WG72S	WEST	1	334379	6241478	3.17	3.25	3.59	3.28	3.44	4.34	3.34	3.18	3.18	3.43	3.38	3.30	3.20

Table 3.2
Measured and Reported Water Levels
March 2010

Location ID	Area	Location Description	Download Date	Download Time	SWL (mbtoc)	PVC mAHD	SWL (mAHD)	Reported (mAHD)	Comments
MWB01S	PCA	Southlands - Block 1	22/03/2010	10:15:00 AM	2.070	4.17	2.100	2.060	
MWB02S	PCA	Southlands - Block 1	22/03/2010	10:20:00 AM	2.035	4.01	1.975	1.950	
MWB03S	PCA	Southlands - Block 1	22/03/2010	10:25:00 AM	2.395	4.17	1.775	1.770	
MWB04S	PCA	Southlands - Block 2	22/03/2010	11:25:00 AM	2.885	4.32	1.435	1.410	
MWB05S	PCA	Southlands - Block 2	22/03/2010	11:30:00 AM	3.120	4.55	1.430	1.380	
MWB06S	PCA	Southlands - Block 2	22/03/2010	11:35:00 AM	3.305	4.59	1.285	1.280	
MWB07S	PCA	Southlands - Block 2	22/03/2010	11:45:00 AM	2.935	4.19	1.255	1.190	
MWB11I	PCA	McPherson St	22/03/2010	3:55:00 PM	2.890	3.76	0.870	0.940	
MWB11S	PCA	McPherson St	22/03/2010	3:55:00 PM	2.510	3.78	1.270	1.250	
MWB12D	PCA	Southlands - Block 1	22/03/2010	10:35:00 AM	2.050	4.25	2.200	2.200	
MWB12S	PCA	Southlands - Block 1	22/03/2010	10:35:00 AM	0.940	4.27	3.330	3.330	
MWB13S	PCA	McPherson St	22/03/2010	3:50:00 PM	2.170	3.66	1.490	1.400	
MWB14S	PCA	McPherson St	23/03/2010	7:30:00 AM	2.195	3.47	1.275	1.380	
MWB15S	PCA	McPherson St	22/03/2010	3:45:00 PM	1.380	3.21	1.830	1.810	
MWC09D	SOU	Adjacent Chlor-Alkali plant	22/03/2010	2:25:00 PM	7.015	11.26	4.245	4.240	
MWC09S	SOU	Adjacent Chlor-Alkali plant	22/03/2010	2:25:00 PM	5.835	11.27	5.435	5.440	
MWC11D	SOU	Adjacent Chlor-Alkali plant	22/03/2010	1:15:00 PM	7.430	10.51	3.080	3.000	
MWC11S	SOU	Adjacent Chlor-Alkali plant	22/03/2010	1:20:00 PM	6.195	10.48	4.285	4.450	
MWD01S	BIP	BIP - 2nd Street	23/03/2010	4:00:00 PM	2.060	7.22	5.160	6.390	Reported levels not correct - repair/replace.
MWD02S	BIP	BIP - 2nd Street	23/03/2010	4:05:00 PM	3.650	6.79	3.140	3.090	
MWD03S	BIP	BIP - 2nd Street	23/03/2010	4:10:00 PM	2.320	7.03	4.710	4.730	
MWD05D	BIP	BIP - 2nd Street	23/03/2010	4:15:00 PM	4.500	6.83	2.330	2.360	
MWD05S	BIP	BIP - 2nd Street	23/03/2010	4:15:00 PM	4.050	6.87	2.820	2.830	
MWD06S	BIP	BIP - 2nd Street	23/03/2010	11:40:00 AM	4.655	7.06	2.405	2.380	
MWD07D	BIP	BIP - 1st Street	31/03/2010	3:15:00 PM	5.540	7.12	1.580	1.620	
MWD07S	BIP	BIP - 1st Street	23/03/2010	11:30:00 AM	5.075	7.18	2.105	2.090	
MWD08S	BIP	BIP - 1st Street	23/03/2010	11:25:00 AM	5.175	7.33	2.155	2.180	
MWD09S	BIP	BIP - 1st Street	23/03/2010	11:20:00 AM	5.290	7.49	2.200	2.220	
MWD10S	BIP	BIP - 1st Street	23/03/2010	11:15:00 AM	5.015	7.58	2.565	2.590	
MWD11S	BIP	BIP - 1st Street	23/03/2010	11:10:00 AM	4.860	7.16	2.500	2.500	
MWD12S	BIP	BIP - 1st Street	23/03/2010	11:00:00 AM	3.920	6.71	2.790	2.800	
MWD13S	BIP	BIP - 1st Street	23/03/2010	10:50:00 AM	3.450	6.68	3.230	3.270	
MWD14S	BIP	BIP - 1st Street	23/03/2010	10:45:00 AM	3.800	6.9	3.100	3.060	
MWD15D	BIP	BIP - 1st Street	23/03/2010	10:35:00 AM	5.900	7.55	1.650	1.640	
MWD16D	BIP	BIP - 2nd Street	23/03/2010	11:50:00 AM	4.300	7.05	2.750	2.840	
MWD16S	BIP	BIP - 2nd Street	23/03/2010	11:50:00 AM	2.110	7.04	4.930	NA	Logger to be replaced
MWF15D	SCA	Foreshore Rd	23/03/2010	9:30:00 AM	2.400	3.06	0.660	0.640	
MWF15I	SCA	Foreshore Rd	23/03/2010	9:30:00 AM	2.730	3.06	0.330	0.340	
MWF15S	SCA	Foreshore Rd	23/03/2010	9:30:00 AM	2.960	3.08	0.120	0.100	
SL01D	PCA	Solvay	23/03/2010	2:30:00 PM		3.27	3.270	NA	No SWL data recorded due to faulty interface meter
WG117	BIP	BIP - Olefines 1	23/03/2010	1:30:00 PM	2.750	9.29	6.540	6.520	
WG118	BIP	BIP - 1st Street	23/03/2010	11:05:00 AM	2.815	7.02	4.205	4.270	
WG123D	BIP	BIP - 1st Street	23/03/2010	10:40:00 AM	3.770	7.86	4.090	1.910	Hydrograph consistent. Error likely to be due to rapid water level changes near the containment line.
WG123S	BIP	BIP - 1st Street	23/03/2010	10:40:00 AM	2.800	7.8	5.000	5.080	
WG124	BIP	BIP - Rosella	23/03/2010	10:40:00 AM	4.440	8.69	4.250	4.260	
WG127	BIP	BIP - Rosella	23/03/2010	11:15:00 PM	2.960	11.33	8.370	8.400	
WG141	PCA	Block 1 Southlands (BP24)	22/03/2010	9:30:00 AM	4.110	6.68	2.570	2.570	
WG146I	PCA	Southlands - Block 2	22/03/2010	11:15:00 AM	3.030	4.28	1.250	1.240	
WG147I	PCA	Southlands - Block 2	18/03/2010	2:30:00 PM	3.225	3.99	0.765	1.100	Hydrograph consistent. Error likely to be due to rapid water level changes near the containment line.
WG150D	BIP	BIP - 1st Street	23/03/2010	10:55:00 AM	5.295	7.08	1.785	1.870	
WG152D	PCA	Southlands - Block 2	22/03/2010	11:10:00 AM	2.540	4.01	1.470	1.470	
WG153D	PCA	Southlands - Block 2	18/03/2010	2:35:00 PM	3.625	4.96	1.335	1.330	
WG154D	SCA	Botany GC	19/03/2010	11:15:00 AM	2.630	3.37	0.740	0.730	
WG154S	SCA	Botany GC	19/03/2010	11:15:00 AM	2.765	3.39	0.625	0.780	Measured level not consistent with long term observations. Review at next monitoring round.
WG155D	SCA	Offsite - Discovery Cove	19/03/2010	1:20:00 PM	3.140	4.01	0.870	0.860	
WG155S	SCA	Offsite - Discovery Cove	19/03/2010	1:20:00 PM	3.115	4.05	0.935	0.920	
WG162D	PCA	Block 2 Southlands	22/03/2010	3:10:00 PM	3.700	4.57	0.870	0.870	
WG162S	PCA	Block 2 Southlands	22/03/2010	3:10:00 PM	2.930	4.55	1.620	1.620	
WG171I	PCA	Block 2 Southlands	22/03/2010	10:55:00 AM	2.200	4.35	2.150	2.130	
WG171S	PCA	Block 2 Southlands	22/03/2010	10:55:00 AM	2.145	4.38	2.235	2.200	
WG200D	BIP	HCW Waste Encapsulation	22/03/2010	1:00:00 PM	10.540	18.78	8.240	8.200	
WG200S	BIP	HCW Waste Encapsulation	22/03/2010	1:00:00 PM	8.835	18.79	9.955	9.940	
WG202D	BIP	HCW Waste Encapsulation	22/03/2010	1:40:00 PM	11.010	18.68	7.670	6.930	Hydrograph consistent. Error likely to be due to rapid water level changes near extraction wells.
WG202S	BIP	HCW Waste Encapsulation	22/03/2010	1:42:00 PM	10.230	18.87	8.640	8.590	Replaced with new logger 31/03/2010
WG204D	BIP	BIP - Solvents Plant	23/03/2010	12:00:00 PM	4.110	7.15	3.040	3.100	
WG204S	BIP	BIP - Solvents Plant	23/03/2010	12:01:00 PM	1.785	7.15	5.365	5.410	
WG205D	BIP	BIP - 2nd Street	23/03/2010	3:55:00 PM	4.470	7.91	3.440	3.520	
WG205S	BIP	BIP - 2nd Street	23/03/2010	3:55:00 PM	1.970	7.93	5.960	NA	Logger to be replaced
WG208D	BIP	BIP - Solvents Plant	23/03/2010	3:50:00 PM	5.930	9.76	3.830	3.880	
WG208S	BIP	BIP - Solvents Plant	23/03/2010	12:28:48 PM	3.540	9.74	6.200	6.290	
WG21	PCA	Block 1 Southlands	22/03/2010	9:20:00 AM	2.320	4.08	1.760	1.760	
WG216D	BIP	North-eastern extremities	19/03/2010	2:25:00 PM	14.165	22.3	8.135	8.130	
WG216D	BIP	North-eastern extremities	19/03/2010	2:30:00 PM	10.570	19.65	9.080	9.000	
WG216I	BIP	North-eastern extremities	19/03/2010	2:35:00 PM	10.480	19.64	9.160	9.210	
WG217D	NTH	Fraser St	22/03/2010	12:45:00 PM	7.100	17.5	10.400	10.390	
WG217S	NTH	Fraser St	22/03/2010	12:45:00 PM	6.990	17.51	10.520	10.530	
WG224S	Springvale Drain	Nant St	22/03/2010	10:10:00 AM	2.025	3.96	1.935	1.940	
WG225S	Springvale Drain	Nant St	22/03/2010	10:05:00 AM	2.095	4.3	2.205	2.220	
WG226S	Springvale Drain	Nant St	22/03/2010	10:00:00 AM	2.700	5.18	2.480	2.500	
WG227S	Springvale Drain	North of Tank Farm	23/03/2010	8:12:00 AM	3.650	5.4	1.750	2.800	Likely field measurement error. Review at next monitoring round
WG228D	NTH	Pater Street (BP110)	19/03/2010	12:50:00 PM	3.940	6.36	2.420	2.520	
WG228S	NTH	Pater Street (BP110)	19/03/2010	12:50:00 PM	1.385	6.36	4.975	5.020	
WG229D	NTH	Nuplex (BP04)	19/03/2010	8:45:00 AM	8.130	10.11	1.980	2.050	
WG229S	NTH	Nuplex/Stephen Rd (BP04)	19/03/2010	8:50:00 AM	5.830	10.1	4.270	4.250	
WG231D	NTH	Stephens Road	19/03/2010	1:10:00 PM	8.570	11.1	2.530	2.520	
WG231S	NTH	Stephens Road	19/03/2010	1:10:00 PM	5.940	11.15	5.210	5.220	
WG232I	NTH	Eastlakes GC	22/03/2010	2:40:00 PM	1.110	10.16	9.050	9.010	
WG232S	NTH	Eastlakes GC	22/03/2010	2:40:00 PM	0.570	10.19	9.620	9.600	
WG234D	NTH	Mobil Carpark	19/03/2010	10:15:00 AM	1.490	3.71	2.220	2.230	
WG234I	NTH	Mobil Carpark	19/03/2010	10:15:00 AM	1.360	3.71	2.350	2.350	Logger installed too deep - levels not correct. Modified conversion
WG234S	NTH	Mobil Carpark	19/03/2010	10:15:00 AM	1.200	3.71	2.510	2.500	
WG235D	NTH	David Phillips Fields	22/03/2010	1:55:00 PM	4.425	19.84	15.415	15.520	
WG235I	NTH	David Phillips Fields	22/03/2010	1:55:00 PM	4.830	19.8	14.970	14.980	
WG235S	NTH	David Phillips Fields	22/03/2010	1:55:00 PM	4.620	19.82	15.200	15.190	
WG23S	SCA	Botany Rd	19/03/2010	1:40:00 PM	2.470	3.28	0.810	0.760	

Table 3.2
Measured and Reported Water Levels
March 2010

Location ID	Area	Location Description	Download Date	Download Time	SWL (mbtoc)	PVC mAHD	SWL (mAHD)	Reported (mAHD)	Comments
WG41S	BIP	North of Tank Farm	23/03/2010	9:52:00 AM	3.060	4.97	1.910	2.010	
WG48	BIP	BIP - Olefines 1	23/03/2010	1:35:00 PM	3.360	8.55	5.190	5.210	
WG49	BIP	BIP - Polypropylene Plant	23/03/2010	1:00:00 PM	4.800	11.82	7.020	7.020	
WG61	PCA	Block 2 Southlands	22/03/2010	10:50:00 AM	2.080	3.8	1.720	1.680	
WG64	PCA	Block 2 Southlands	22/03/2010	10:50:00 AM	1.820	3.86	2.040	2.070	
WG68D	BIP	Nant St Tank Farm	22/03/2010	9:55:00 AM	3.580	5.39	1.810	1.870	
WG70D	PCA	Block 1 Southlands	22/03/2010	9:30:00 AM	3.575	6.14	2.565	2.640	
WG72D	NTH	Offsite - Banksmeadow PS	19/03/2010	12:35:00 PM	14.425	16.24	1.815	1.810	
WG72S	NTH	Offsite - Banksmeadow PS	19/03/2010	12:38:00 PM	13.045	16.24	3.195	3.290	
WG73D	PCA	Southlands - Block 2	22/03/2010	8:50:00 AM	3.420	4.84	1.420	1.450	
WG73S	PCA	Southlands - Block 2	22/03/2010	8:50:00 AM	2.750	4.9	2.150	1.160	Logger level likely to be incorrect. Review at next quarterly monitoring round.
WG74I	PCA	Southlands - Block 2	22/03/2010	3:10:00 PM	4.275	5.16	0.885	0.880	
WG74S	PCA	Southlands - Block 2	22/03/2010	3:10:00 PM	3.785	5.12	1.335	2.100	Logger level likely to be incorrect. Review at next quarterly monitoring round.
WG75I	SCA	Botany Rd	19/03/2010	1:45:00 PM	2.490	3.49	1.000	1.010	
WG77S	Springvale Drain	Nant St Tank Farm	23/03/2010	8:15:00 AM	3.255	5.79	2.535	2.540	
WG82D	PCA	Block 1 Southlands	22/03/2010	9:35:00 AM	3.515	5.93	2.415	2.410	
WG82S	PCA	Block 1 Southlands	22/03/2010	9:35:00 AM	3.275	5.91	2.635	2.620	
WG83I	BIP	BIP - 10th Ave	23/03/2010	12:10:00 PM	4.305	10.18	5.875	5.090	
WG83S	BIP	BIP - 10th Ave	23/03/2010	12:15:00 PM	5.140	10.19	5.050	5.870	Logger level likely to be incorrect (installed too deep). Repair/replace and review at next quarterly monitoring round.
WG88I	SCA	Botany GC	19/03/2010	1:55:00 PM	1.220	1.93	0.710	0.670	
WG88S	SCA	Botany GC	19/03/2010	1:15:00 PM	1.210	1.92	0.710	0.650	
WG91S	BIP	BIP - Vinyls Plant	23/03/2010	12:20:00 PM	4.170	10.25	6.080	6.070	
BP115	SCA	Dune Area	NA	NA	NA	3.96	NA	0.02	Reported level as at 17/3/10 14:00

Table 4.1
Field Observation Data
March 2010

Location	Depth	Date Sampled	Volume (L) Removed	DO ppm	EC (µS/cm)	pH	Redox (mV)	Temp (°C)	SWL (m)	Comments		
BP01	0.75	17/03/2010	2.00	1.08	14890.00	7.43	2.00	23.6		Clear no odour		
	1.25	17/03/2010	2.00	1.86	9450.00	7.30	-30.00	23.8		Clear no odour		
	2	17/03/2010	2.00	1.57	16820.00	5.71	-161.00	23.0		Clear, hydrogen sulphide odour		
	8	17/03/2010	2.00	1.77	9130.00	4.61	-182.00	21.5		Brown, hydrogen sulphide odour, turbid		
	10	17/03/2010	2.00	1.80	11800.00	4.72	-157.00	22.1		Brown, hydrogen sulphide odour, turbid		
BP41	2	16/03/2010	-	-	-	-	-	-		Dry. Not sampled		
	4	16/03/2010	2.00	1.38	155.00	6.01	-65.00	22.2		Clear to brown, slightly turbid, no odour		
			4.00	0.76	151.00	6.05	-98.00	22.0		Clear to brown, slightly turbid, no odour		
			6.00	0.55	154.00	6.07	-108.00	22.1		Clear to brown, slightly turbid, no odour		
	6	16/03/2010	2.00	3.54	168.00	6.01	-64.00	22.0		Clear, no odour		
			4.00	3.03	166.00	6.04	-80.00	21.8		Clear, no odour		
			6.00	2.77	168.00	6.05	-91.00	21.9		Clear, no odour		
	8	16/03/2010	2.00	0.94	220.00	5.94	-108.00	21.6		Clear to brown, slightly turbid, slight hydrogen sulphide odour		
			4.00	0.80	257.00	5.90	-118.00	21.6		Clear to brown, slightly turbid, slight hydrogen sulphide odour		
			6.00	0.54	252.00	5.87	-126.00	21.7		Clear to brown, slightly turbid, slight hydrogen sulphide odour		
BP54	6	18/03/2010	-	-	-	-	-	-		Dry or blocked. Not sampled.		
	9	18/03/2010	2.00	1.60	268.00	4.89	109.00	20.6		Clear, no odour		
			4.00	0.99	263.00	4.85	114.00	20.5		Clear, no odour		
6.00			0.72	262.00	4.84	120.00	20.4		Clear, no odour			
BP56	16/03/2010	2.00	1.53	215.00	5.60	11.00	21.3		Clear to pale yellow, slight hydrogen sulphide odour			
		4.00	1.37	175.00	5.54	24.00	21.0		Clear to pale yellow, slight hydrogen sulphide odour			
		6.00	0.91	167.00	5.53	25.00	21.0		Clear to pale yellow, slight hydrogen sulphide odour			
BP57	18/03/2010	2.00	0.83	280.00	5.73	113.00	24.1		Clear, no odour			
		4.00	0.45	275.00	5.72	113.00	24.2		Clear, no odour			
		6.00	0.35	275.00	5.72	112.00	24.3		Clear, no odour			
BP58	3	15/03/2010	-	-	-	-	-	-		Not sampled (not labelled)		
	6	15/03/2010	2.00	1.14	1968.00	5.58	23.00	22.2		Clear, hydrogen sulphide odour		
			4.00	0.63	1465.00	5.75	20.00	22.0		Clear, hydrogen sulphide odour		
			6.00	0.42	906.00	5.80	18.00	21.9		Clear, hydrogen sulphide odour		
			8.00	1.06	784.00	5.83	32.00	22.9		Clear, hydrogen sulphide odour		
10.00			0.54	735.00	5.84	34.00	22.6		Clear, hydrogen sulphide odour			
BP59	4	18/03/2010	2.00	0.06	7850.00	5.60	-195.00	25.4		Black, turbid, strong hydrogen sulphide odour		
			4.00	0.05	7910.00	5.62	-196.00	24.2		Black, turbid, strong hydrogen sulphide odour		
			6.00	0.02	7800.00	5.62	-195.00	24.0		Black, turbid, strong hydrogen sulphide odour		
	8	18/03/2010	2.00	0.63	1968.00	5.69	-164.00	24.0		Clear, hydrogen sulphide odour		
			4.00	0.55	2270.00	5.59	-161.00	24.2		Clear, hydrogen sulphide odour		
			6.00	0.41	2212.00	5.59	-163.00	23.7		Clear, hydrogen sulphide odour		
	12	18/03/2010	2.00	0.22	2031.00	4.81	-167.00	22.8		Clear, strong hydrogen sulphide odour		
			4.00	0.29	2015.00	4.85	-159.00	22.5		Clear, strong hydrogen sulphide odour		
			6.00	0.33	2102.00	4.86	-182.00	23.0		Clear, strong hydrogen sulphide odour		
BP60	4	15/03/2010	-	-	-	-	-	-		Dry or blocked. Not sampled.		
	6	15/03/2010	-	-	-	-	-	-		Not sampled (not labelled)		
			2.00	0.37	2490.00	5.13	-215.00	21.3		Clear, hydrogen sulphide odour		
			4.00	0.25	2400.00	5.13	-214.00	20.9		Clear, hydrogen sulphide odour		
	10	15/03/2010	2.00	0.33	2520.00	5.17	-214.00	21.2		Clear, hydrogen sulphide odour		
			4.00	1.50	1994.00	5.29	-138.00	21.5		Clear, hydrogen sulphide odour		
			6.00	0.24	2052.00	5.38	-229.00	20.7		Clear, hydrogen sulphide odour		
	14	15/03/2010	2.00	0.18	2116.00	5.36	-231.00	20.6		Clear, hydrogen sulphide odour		
			2.00	1.89	1745.00	5.18	-104.00	22.9		Clear, hydrogen sulphide odour		
			2.00	0.37	1099.00	5.22	-220.00	20.8		Clear, hydrogen sulphide odour		
	18	15/03/2010	2.00	0.23	1821.00	5.25	-221.00	21.3		Clear, hydrogen sulphide odour		
			-	-	-	-	-	-		Not sampled (not labelled)		
			2.00	0.54	3140.00	4.37	-163.00	21.3		Clear, hydrogen sulphide odour		
			2.00	0.20	3460.00	4.37	-163.00	21.3		Clear, hydrogen sulphide odour		
			6.00	0.10	3550.00	4.38	-162.00	20.9		Clear, hydrogen sulphide odour		
			24	15/03/2010	2.00	0.51	611.00	6.61	-197.00	22.3		Clear, hydrogen sulphide odour
					2.00	0.38	588.00	6.66	-177.00	21.8		Clear, hydrogen sulphide odour
6.00	0.40	468.00			6.62	-182.00	21.5		Clear, hydrogen sulphide odour			
26	15/03/2010	2.00	0.65	1244.00	6.61	-177.00	22.0		Clear, hydrogen sulphide odour			
		2.00	0.47	1324.00	6.19	-178.00	21.6		Clear, hydrogen sulphide odour			
		6.00	0.38	1320.00	6.20	-174.00	21.8		Clear, hydrogen sulphide odour			
BP61	16/03/2010	2.00	1.26	1293.00	5.66	-152.00	24.4		Clear to yellow, slight hydrogen sulphide odour			
		4.00	0.75	1284.00	5.65	-157.00	24.2		Clear to yellow, slight hydrogen sulphide odour			
		6.00	0.44	1278.00	5.62	-166.00	24.0		Clear to yellow, slight hydrogen sulphide odour			
		6.00	0.86	546.00	6.17	-16.00	21.1		Clear, no odour			
BP72	15/03/2010	2.00	0.23	540.00	6.16	-44.00	21.9		Clear, no odour			
		4.00	0.91	536.00	6.17	-33.00	21.8		Clear, no odour			
		6.00	0.91	536.00	6.17	-33.00	21.8		Clear, no odour			
BP76	18/03/2010	2.00	1.47	718.00	5.50	-147.00	23.8		Clear, slight hydrogen sulphide odour			
		4.00	0.51	848.00	5.38	-189.00	23.0		Clear, slight hydrogen sulphide odour			
		6.00	0.45	931.00	5.36	-203.00	22.9		Clear, slight hydrogen sulphide odour			
		8.00	0.28	1073.00	5.32	-252.00	22.8		Clear, slight hydrogen sulphide odour			
BP77	4	16/03/2010	-	-	-	-	-	-		Dry. Not sampled		
	6	16/03/2010	2.00	2.50	1678.00	5.38	-21.00	19.3		Brown, turbid, hydrogen sulphide odour		
			4.00	0.72	1704.00	5.41	-173.00	20.1		Brown, turbid, hydrogen sulphide odour		
			6.00	0.27	1717.00	5.41	-196.00	20.3		Brown, turbid, hydrogen sulphide odour		
	10	16/03/2010	2.00	1.37	1526.00	5.49	-107.00	19.7		Clear, hydrogen sulphide odour		
			4.00	0.72	1555.00	5.50	-188.00	20.1		Clear, hydrogen sulphide odour		
			6.00	0.47	1567.00	5.50	-203.00	20.2		Clear, hydrogen sulphide odour		
	12	16/03/2010	2.00	0.68	1848.00	5.42	-182.00	19.9		Clear, hydrogen sulphide odour, effervescent		
			4.00	0.58	1869.00	5.44	-190.00	20.2		Clear, hydrogen sulphide odour, effervescent		
			6.00	0.67	1869.00	5.44	-198.00	20.3		Clear, hydrogen sulphide odour, effervescent		
	14	16/03/2010	2.00	0.67	2930.00	5.02	-148.00	20.0		Clear, strong hydrogen sulphide odour		
			4.00	0.33	2930.00	5.02	-182.00	20.2		Clear, strong hydrogen sulphide odour		
			6.00	0.25	2880.00	5.01	-186.00	20.3		Clear, strong hydrogen sulphide odour		
	18	16/03/2010	-	-	-	-	-	-		Blocked. Not sampled.		
	20	16/03/2010	2.00	0.98	3260.00	4.97	-131.00	20.2		Clear to brown slightly turbid, hydrogen sulphide odour		
			4.00	0.38	3910.00	4.97	-182.00	20.3		Clear to brown slightly turbid, hydrogen sulphide odour		
			6.00	0.26	3160.00	5.00	-182.00	20.4		Clear to brown slightly turbid, hydrogen sulphide odour		
	22	16/03/2010	2.00	0.63	4060.00	4.53	-130.00	20.2		Clear, strong hydrogen sulphide odour		
			4	0.22	4060.00	4.50	-160.00	20.3		Clear, strong hydrogen sulphide odour		
6.00			0.18	4050.00	4.50	-158.00	20.3		Clear, strong hydrogen sulphide odour			
28	16/03/2010	2.00	0.58	1205.00	6.53	-155.00	20.3		Brown, hydrogen sulphide odour, turbid			
		2.00	0.58	1205.00	6.53	-155.00	20.3		Brown, hydrogen sulphide odour, turbid			
		4.00	0.50	874.00	6.59	-181.00	20.3		Brown, hydrogen sulphide odour, turbid			
		6.00	0.28	1012.00	6.59	-185.00	20.3		Brown, hydrogen sulphide odour, turbid			

Table 4.1
Field Observation Data
March 2010

Location	Depth	Date Sampled	Volume (L) Removed	DO ppm	EC (µS/cm)	pH	Redox (mV)	Temp (°C)	SWL (m)	Comments
BP89	6	18/03/2010	2.00	1.30	2280.00	4.82	-142.00	24.0		Clear to yellow, hydrogen sulphide odour
			4.00	0.45	2300.00	4.86	-175.00	22.4		Clear to yellow, hydrogen sulphide odour
			6.00	0.26	2290.00	4.86	-195.00	22.2		Clear to yellow, hydrogen sulphide odour
BP113	3	15/03/2010	2.00	1.20	609.00	6.65	-105.00	22.3		Clear, no odour
			4.00	0.54	632.00	6.62	-139.00	22.3		Clear, no odour
			6.00	0.32	633.00	6.60	-158.00	22.2		Clear, no odour
			8.00	0.27	633.00	6.62	-160.00	22.2		Clear, no odour
BP114	6	15/03/2010	2.00	0.37	2087.00	5.38	-178.00	22.4		Clear, no odour
			4.00	0.17	2087.00	5.37	-186.00	22.2		Clear, no odour
			6.00	0.08	2084.00	5.37	-192.00	22.2		Clear, no odour
WG23	S	18/03/2010	3.00	1.30	2280.00	4.82	-142.00	24.0	2.47	Clear to yellow, hydrogen sulphide odour
			6.00	0.45	2300.00	4.86	-175.00	22.4		Clear to yellow, hydrogen sulphide odour
			9.00	0.26	2290.00	4.86	-195.00	22.2		Clear to yellow, hydrogen sulphide odour
WG154	S	19/03/2010	3.00	1.96	2670.00	5.15	-187.00	20.8	5.77	Clear, effervescent, hydrogen sulphide odour
			6.00	0.74	2660.00	5.16	-197.00	20.6		Clear, effervescent, hydrogen sulphide odour
			9.00	0.69	2690.00	5.17	-196.00	20.6		Clear, effervescent, hydrogen sulphide odour
	D	19/03/2010	3.00	2.21	2590.00	5.17	-197.00	20.8	5.63	Clear, effervescent, strong hydrogen sulphide odour
			6.00	0.83	3110.00	4.95	-194.00	20.6		Clear, effervescent, strong hydrogen sulphide odour
9.00	0.77	3210.00	4.93	-192.00	20.6		Clear, effervescent, strong hydrogen sulphide odour			
WG227	S	23/03/2010	3.00	1.79	499.00	6.14	95.00	22.6	2.65	Brown, slight hydrocarbon odour
			6.00	0.94	483.00	6.12	90.00	22.8		Brown, slight hydrocarbon odour
			9.00	0.64	486.00	6.14	81.00	23.0		Brown, slight hydrocarbon odour
WG229	S	19/03/2010	2.00	0.69	1075.00	6.97	-209.00	22.6	5.83	Dark brown to black, hydrogen sulphide odour
			4.00	0.52	1065.00	6.99	-226.00	22.4		Dark brown to black, hydrogen sulphide odour
			6.00	0.44	1064.00	7.01	-230.00	22.4		Dark brown to black, hydrogen sulphide odour
WG231		18/03/2010	3.00	1.66	365.00	5.10	186.00	21.4	5.94	Clear to yellow, no odour
			6.00	0.96	289.00	5.24	126.00	20.9		Clear to yellow, no odour
			9.00	0.70	273.00	5.23	103.00	20.7		Clear to yellow, no odour
WG233	S	19/03/2010	3.00	1.60	270.00	6.31	-97.00	23.7	6.05	Clear, solvent odour
			6.00	1.02	256.00	6.11	-99.00	23.5		Clear, solvent odour
			9.00	0.84	249.00	6.15	-85.00	23.6		Clear, solvent odour
WG234	S	19/03/2010	3.00	1.39	728.00	6.09	-96.00	23.4	1.20	Yellow, hydrogen sulphide odour.
			6.00	1.76	737.00	5.80	-109.00	23.4		Yellow, hydrogen sulphide odour.
			9.00	1.57	729.00	5.79	-103.00	23.4		Yellow, hydrogen sulphide odour.
PENRHYN ESTUARY / DUNES										
BP01	0.75	17/03/2010	1.00	1.08	14890.00	7.43	2.00	23.6		Clear, no odour.
	1.25	17/03/2010	1.00	1.86	9450.00	7.30	-30.00	23.8		Clear, no odour.
	2	17/03/2010	1.00	1.57	16820.00	5.71	-161.00	23.0		Brown, turbid, hydrogen sulphide odour.
	4	17/03/2010	1.00	1.77	9130.00	4.61	-30.00	21.5		Clear, hydrogen sulphide odour.
	6	17/03/2010	-	-	-	-	-	-		6m port dry. Alternatively, 4m port was sampled.
	10	17/03/2010	1.00	1.80	11800.00	4.72	2.00	22.1		Clear, no odour.
BP115	3.25	17/03/2010	-	-	-	-	-	-		Dry. Not sampled
	5.25	17/03/2010	2.00	1.02	16450.00	6.91	-162.00	25.3	3.73	Clear, no odour
			4.00	0.19	18540.00	6.77	-212.00	22.6		Clear, no odour
			6.00	0.16	18640.00	6.73	-201.00	22.0		Clear, no odour
	6.5	17/03/2010	2.00	0.44	16730.00	7.63	-244.00	24.2	3.75	Clear, slight hydrogen sulphide odour
			4.00	0.33	17170.00	7.70	-260.00	24.4		Clear, slight hydrogen sulphide odour
6.00			0.17	17290.00	7.71	-274.00	24.7		Clear, slight hydrogen sulphide odour	
MWF15	S	17/03/2010	2.00	0.25	41200.00	6.45	-123.00	20.5	2.90	Clear, no odour
			4.00	0.20	41500.00	5.91	-129.00	20.3		Clear, no odour
			6.00	0.32	40300.00	5.97	-111.00	21.3		Clear, no odour
	I	17/03/2010	2.00	0.59	8090.00	4.83	-83.00	22.0	2.58	Clear, moderate hydrogen sulphide odour
			4.00	0.52	10390.00	4.74	-127.00	20.9		Clear, moderate hydrogen sulphide odour
			6.00	1.05	8170.00	4.87	-91.00	22.4		Clear, moderate hydrogen sulphide odour
D	17/03/2010	2.00	0.39	966.00	6.56	-107.00	22.1	2.13	Clear, slight hydrogen sulphide odour	
		4.00	1.17	658.00	6.43	-69.00	22.0		Clear, slight hydrogen sulphide odour	
		6.00	0.68	1666.00	6.56	-137.00	20.7		Clear, slight hydrogen sulphide odour	
High Tide										
BP42	0.1	17/03/2010	1.00	6.58	45000.00	7.28	12.00	26.1		Clear, no odour.
	0.5	17/03/2010	1.00	5.87	43200.00	6.97	14.00	27.2		Clear, no odour.
	2	17/03/2010	1.00	5.13	37000.00	6.24	-43.00	27.0		Clear, slight hydrogen sulphide odour.
BP43	0.1	17/03/2010	1.00	3.70	46100.00	6.97	-21.00	26.7		Clear, slight hydrogen sulphide odour.
	0.5	17/03/2010	1.00	3.90	42000.00	6.81	-23.00	27.5		Clear, slight hydrogen sulphide odour.
	1	17/03/2010	1.00	4.62	42800.00	6.80	-38.00	26.5		Clear, slight hydrogen sulphide odour.
	2	17/03/2010	-	-	-	-	-	-		2m port dry. Alternatively, 1m port was sampled.
BP64	0.1	17/03/2010	1.00	2.63	44300.00	7.05	24.00	26.0		Clear, no odour.
	0.5	17/03/2010	1.00	1.85	43800.00	6.94	-29.00	26.1		Clear, no odour.
	2	17/03/2010	1.00	2.90	37100.00	5.93	-13.00	25.4		Clear, no odour.
BP65	0.1	17/03/2010	1.00	2.99	44100.00	7.70	12.00	26.5		Clear, no odour.
	0.5	17/03/2010	1.00	2.04	45000.00	7.14	-62.00	26.9		Clear, no odour.
	2	17/03/2010	1.00	3.87	44100.00	7.02	-58.00	27.5		Clear, no odour.
Low Tide										
BP42	0.1	17/03/2010	1.00	5.88	43700.00	7.36	-54.00	24.3		Clear, no odour.
	0.5	17/03/2010	1.00	2.64	41300.00	6.96	-32.00	23.4		Clear, slight hydrogen sulphide odour.
	2	17/03/2010	1.00	3.26	34300.00	6.12	-99.00	23.6		Clear, slight hydrogen sulphide odour.
BP43	0.1	17/03/2010	1.00	5.37	44600.00	6.95	-81.00	24.0		Clear, slight hydrogen sulphide odour.
	0.5	17/03/2010	1.00	2.40	40900.00	6.81	-107.00	23.8		Clear, no odour.
	1	17/03/2010	1.00	3.64	42500.00	6.71	-170.00	23.8		Clear, no odour.
	2	17/03/2010	-	-	-	-	-	-		2m port blocked. Alternatively, 1m port was sampled.
BP64	0.1	17/03/2010	1.00	3.35	46100.00	7.06	-116.00	24.7		Clear, no odour.
	0.5	17/03/2010	1.00	4.26	44800.00	7.24	-139.00	24.3		Clear, slight hydrogen sulphide odour.
	2	17/03/2010	1.00	4.36	38000.00	6.41	-131.00	24.9		Clear, strong hydrogen sulphide odour.
BP65	0.1	17/03/2010	1.00	4.57	44900.00	7.13	-70.00	24.7		Clear, no odour.
	0.5	17/03/2010	1.00	4.67	45800.00	7.22	-64.00	24.4		Clear, no odour.
	2	17/03/2010	1.00	4.96	44600.00	7.16	-75.00	24.6		Clear, no odour.

Table 4.1
Field Observation Data
March 2010

Location	Depth	Date Sampled	Volume (L) Removed	DO ppm	EC (µS/cm)	pH	Redox (mV)	Temp (°C)	SWL (m)	Comments
SURFACE WATER										
High Tide										
SW028	-	17/03/2010	-	4.26	45500.00	7.24	16.00	26.0		Clear, no odour.
SW029	-	17/03/2010	-	4.79	36900.00	7.42	161.00	22.7		Clear to brown, slightly turbid, no odour.
SW031	-	17/03/2010	-	4.42	22600.00	7.15	96.00	22.4		Clear, no odour.
SW048	-	17/03/2010	-	-	-	-	-	-		Not sampled (not accessible)
Low Tide										
SW028	-	17/03/2010	-	7.57	45500.00	8.90	-81.00	25.5		Clear, no odour.
SW029	-	17/03/2010	-	6.58	41000.00	7.34	-19.00	26.30		Clear, no odour.
SW031	-	17/03/2010	-	2.31	22600.00	6.66	-183.00	25.7		Clear, slightly turbid, hydrogen sulphide odour.
SW048	-	17/03/2010	-	-	-	-	-	-		Not sampled (not accessible)
Tide Non-specific										
SW005	-	17/03/2010	-	2.10	1080.00	6.35	202.00	16.5		Clear, stagnant, algae present
SW030	-	17/03/2010	-	4.84	27100.00	7.64	94.00	25.30		Brown, slightly turbid, no odour
SW046	-	17/03/2010	-	0.50	970.00	6.87	-31.00	19.0		Stagnant, slight hydrogen sulphide odour
SW049	-	17/03/2010	-	2.65	2680.00	6.54	90.00	15.2		Turbid, stagnant, algae, orange oxides
SW052	-	17/03/2010	-	4.56	507.00	6.99	-83.00	19.8		Clear to slightly yellow, aquatic vegetation present, no odour
SW053	-	17/03/2010	-	0.83	630.00	6.99	-27.00	19.1		Clear to slightly brown, stagnant, no odour
SW060	-	17/03/2010	-	5.22	44700.00	7.41	179.00	23.7		Brown, slightly turbid, no odour
SW062	-	17/03/2010	-	0.58	2500.00	6.57	-38.00	16.6		Stagnant, abundant algae, oxidised sediment
SW062_east	-	17/03/2010	-	0.82	810.00	6.64	3.00	18.3		Stagnant, slight hydrogen sulphide odour, vegetation present
SW064	-	17/03/2010	-	2.18	1277.00	6.84	4.00	19.1		Stagnant, clear to slightly turbid, slight hydrogen sulphide odour

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 199mv).

TDS = EC in µS x 0.6

- = no record

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:			BP01_00.75	BP01_01.25	BP01_02.00	BP01_08.00	BP01_10.00	BP41_04.00	BP41_06.00	BP41_08.00
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	16/03/2010	16/03/2010	16/03/2010
Sample ID:			BP01_00.75_17/03/10	BP01_01.25_17/03/10	BP01_02.00_17/03/10	BP01_08.00_17/03/10	BP01_10.00_17/03/10	BP41_04.0016/03/10	BP41_06.0016/03/10	BP41_08.0016/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels								
Carbon Tetrachloride	mg/l	0.24	< 0.020	< 0.001	< 0.020	< 0.020	< 0.020	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	4.86	0.003	7.26	7.6	2.3	< 0.001	< 0.001	0.17
Methylene chloride	mg/l		0.036	< 0.005	0.059	0.126	0.06	< 0.005	< 0.005	0.044
Chloromethane	mg/l		< 0.200	< 0.010	< 0.200	< 0.200	< 0.200	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		4.896	0.003	7.319	7.726	2.36	< 0.010	< 0.010	0.214
Pentachloroethane	mg/l		< 0.020	< 0.001	< 0.020	< 0.020	< 0.020	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.020	< 0.001	< 0.020	< 0.020	< 0.020	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	1.21	< 0.001	6.22	7.95	3.69	< 0.001	< 0.001	0.006
1.1.1-1-Trichloroethane	mg/l		0.024	< 0.001	< 0.020	< 0.020	< 0.020	< 0.001	< 0.001	< 0.001
1.1.2-1-Trichloroethane	mg/l	1.9	3.71	0.003	5.16	5.19	1.67	< 0.001	< 0.001	0.103
1.1-Dichloroethane	mg/l	0.25	0.389	0.002	0.398	0.328	0.162	< 0.001	0.002	0.064
1.2-Dichloroethane	mg/l	1.9	22.5	0.028	23.8	21.9	11.1	0.004	0.011	0.711
Chloroethane (Ethyl chloride)	mg/l		< 0.200	< 0.010	< 0.200	< 0.200	< 0.200	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		27.833	0.033	35.578	35.368	16.622	0.004	0.013	0.884
Tetrachloroethene	mg/l	0.07	0.005	< 0.001	0.094	3.4	1.92	< 0.001	0.001	0.003
Trichloroethene	mg/l		5.5	0.003	25.5	38.5	30.2	0.005	0.007	0.091
1.1-Dichloroethene	mg/l		0.764	0.001	1	0.805	0.688	0.001	0.004	0.064
cis-1.2-Dichloroethene	mg/l		2.77	0.004	3.23	3.86	1.82	0.002	0.012	0.144
trans-1.2-Dichloroethene	mg/l		1.02	< 0.001	1.8	0.648	0.476	< 0.001	0.004	0.024
Vinyl chloride	mg/l	0.1	2.06	< 0.010	1.7	< 0.200	< 0.200		< 0.010	0.26
Vinyl chloride (SIM)	mg/l	0.1						< 0.001		
Total Chlorinated Ethenes	mg/l		12.119	0.008	33.324	47.213	35.104	0.008	0.028	0.586
Hexachlorobutadiene	mg/l		< 0.020	< 0.001	< 0.020	< 0.020	< 0.020	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		44.848	0.044	76.221	90.307	54.086	0.012	0.041	1.684
Carbon disulfide	mg/l		< 0.020	< 0.001	0.236	0.706	0.383	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:			BP54_09.00	BP56_06.00	BP57_03.00	BP58_06.00	BP59_04.00	BP59_08.00	BP59_12.00
Date Sampled			18/03/2010	16/03/2010	18/03/2010	15/03/2010	18/03/2010	18/03/2010	18/03/2010
Sample ID:			BP54_09.0018/02/10	BP56_06.0016/03/10	BP57_03.0018/02/10	BP58_06.0015/03/10	BP59_04.0018/02/10	BP59_08.0018/02/10	BP59_12.0018/02/10
Analyte	Unit	ANZECC 2000 Trigger Levels							
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
Chloroform	mg/l	0.37	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	2.03
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.92
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 10.000
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	4.95
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	2.93
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	< 0.001	0.004	0.003	0.014	< 1.000
1.2-Dichloroethane	mg/l	1.9	0.011	0.003	< 0.001	0.345	0.019	1.36	1160
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 10.000
Total Chlorinated Ethanes	mg/l		0.011	0.003	< 0.010	0.349	0.022	1.374	1162.93
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	2.77
Trichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.007	< 0.001	0.09	6.43
1,1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.004	< 0.001	0.016	1.54
cis-1,2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.022	< 0.001	0.784	1.3
trans-1,2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.002	< 0.001	0.164	< 1.000
Vinyl chloride	mg/l	0.1		< 0.010		0.03		2.74	19.6
Vinyl chloride (SIM)	mg/l	0.1	< 0.001		< 0.001		< 0.001		
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.010	< 0.001	0.065	< 0.001	3.794	31.64
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000
Total Volatile CHCs	mg/l		0.011	0.003	< 0.010	0.414	0.022	5.168	1199.52
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 1.000

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:			BP60_08.00	BP60_10.00	BP60_14.00	BP60_22.00	BP60_24.00	BP60_26.00	BP61_04.00	BP72_03.00	BP76_04.00
Date Sampled			15/03/2010	15/03/2010	15/03/2010	15/03/2010	15/03/2010	15/03/2010	16/03/2010	15/03/2010	18/03/2010
Sample ID:			BP60_08.0015/03/10	BP60_10.0015/03/10	BP60_14.0015/03/10	BP60_22.0015/03/10	BP60_24.0015/03/10	BP60_26.0015/03/10	BP61_04.0016/03/10	BP72_03.0015/03/10	BP76_04.0018/02/10
Analyte	Unit	ANZECC 2000 Trigger Levels									
Carbon Tetrachloride	mg/l	0.24	< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	2.22	0.761	0.026	12.6	0.878	< 0.001	< 0.001	< 0.001	0.065
Methylene chloride	mg/l		0.858	0.332	< 0.005	< 0.500	< 0.200	< 0.005	< 0.005	< 0.005	0.021
Chloromethane	mg/l		< 0.200	< 0.050	< 0.010	< 5.000	< 2.000	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		3.078	1.093	0.026	12.6	0.878	< 0.010	< 0.010	< 0.010	0.086
Pentachloroethane	mg/l		< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	0.152	0.024	0.003	8.37	1.53	< 0.001	< 0.001	< 0.001	0.005
1.1.1-1-Trichloroethane	mg/l		< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-1-Trichloroethane	mg/l	1.9	3.91	0.416	0.012	5	0.877	< 0.001	< 0.001	< 0.001	0.1
1.1-Dichloroethane	mg/l	0.25	0.944	0.523	0.46	0.823	< 0.200	0.002	0.061	< 0.001	0.21
1.2-Dichloroethane	mg/l	1.9	29.5	2.21	0.213	1360	162	0.038	0.006	0.016	0.247
Chloroethane (Ethyl chloride)	mg/l		< 0.200	< 0.050	< 0.010	< 5.000	< 2.000	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		34.506	3.173	0.688	1374.193	164.407	0.04	0.067	0.016	0.562
Tetrachloroethene	mg/l	0.07	0.06	0.25	0.011	8.97	0.753	0.004	< 0.001	< 0.001	0.001
Trichloroethene	mg/l		1.13	0.788	0.044	19.2	1.71	0.066	< 0.001	< 0.001	0.02
1.1-Dichloroethene	mg/l		2.37	1.34	0.143	2.27	0.339	0.004	< 0.001	< 0.001	0.239
cis-1.2-Dichloroethene	mg/l		2.58	1.42	0.309	3.54	2.17	0.006	< 0.001	< 0.001	0.392
trans-1.2-Dichloroethene	mg/l		0.291	0.149	0.094	0.514	0.448	0.004	< 0.001	< 0.001	0.041
Vinyl chloride	mg/l	0.1	3.98	3.62	3.65	26.5	< 2.000	< 0.010			0.85
Vinyl chloride (SIM)	mg/l	0.1							< 0.001	< 0.001	
Total Chlorinated Ethenes	mg/l		10.411	7.567	4.251	60.994	5.42	0.084	< 0.001	< 0.001	1.543
Hexachlorobutadiene	mg/l		< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		47.995	11.833	4.965	1447.787	170.705	0.124	0.067	0.016	2.191
Carbon disulfide	mg/l		< 0.020	< 0.005	< 0.001	< 0.500	< 0.200	< 0.001	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:			BP77_06.00	BP77_10.00	BP77_12.00	BP77_14.00	BP77_20.00	BP77_22.00	BP77_28.00	BP89_06.00	BP113_03.00
Date Sampled			16/03/2010	16/03/2010	16/03/2010	16/03/2010	16/03/2010	16/03/2010	16/03/2010	18/03/2010	15/03/2010
Sample ID:			BP77_06.0016/03/10	BP77_10.0016/03/10	BP77_12.0016/03/10	BP77_14.0016/03/10	BP77_20.0016/03/10	BP77_22.0016/03/10	BP77_28.0016/03/10	BP89_06.0018/02/10	BP113_03.0015/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels									
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	0.003	1.3	2.72	4.65	4.6	2.01	0.001	< 0.001	< 0.001
Methylene chloride	mg/l		< 0.005	0.081	0.413	1.01	0.773	< 1.000	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.200	< 0.050	< 0.200	< 0.200	< 10.000	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		0.003	1.381	3.133	5.66	5.373	2.01	0.001	< 0.010	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	0.11	0.119	0.383	1.23	5.77	0.003	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	0.003	1.07	3.7	3.28	3.33	2.57	0.004	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	0.044	0.237	0.617	0.914	0.727	< 1.000	0.005	< 0.001	< 0.001
1.2-Dichloroethane	mg/l	1.9	0.566	17.7	6.68	34.3	62.8	1880	0.21	< 0.001	< 0.001
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.200	< 0.050	< 0.200	< 0.200	< 10.000	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		0.613	19.117	11.116	38.877	68.087	1888.34	0.222	< 0.010	< 0.010
Tetrachloroethene	mg/l	0.07	< 0.001	0.104	0.063	0.054	1.27	3.82	0.007	< 0.001	< 0.001
Trichloroethene	mg/l		0.004	0.542	1.78	1.89	3.14	8.36	0.025	< 0.001	< 0.001
1.1-Dichloroethene	mg/l		0.012	0.361	0.709	0.834	1.78	1.45	0.005	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		0.051	0.505	1.19	4.09	2.45	7.97	0.009	< 0.001	< 0.001
trans-1.2-Dichloroethene	mg/l		0.003	0.076	0.157	0.481	0.465	< 1.000	0.008	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1		< 0.200	2.16	< 0.200	< 0.200	24.1	< 0.010		
Vinyl chloride (SIM)	mg/l	0.1	< 0.001							< 0.001	< 0.001
Total Chlorinated Ethenes	mg/l		0.07	1.588	6.059	7.349	9.105	45.7	0.054	< 0.001	< 0.001
Hexachlorobutadiene	mg/l		< 0.001	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		0.686	22.086	20.308	51.886	82.565	1936.05	0.277	< 0.010	< 0.010
Carbon disulfide	mg/l		0.02	< 0.020	< 0.005	< 0.020	< 0.020	< 1.000	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:			BP114_06.00	BP115_05.25	BP115_06.50	MWF15_S	MWF15_I	MWF15_D	WG23_S	WG154_S	WG154_D	WG227_S
Date Sampled			16/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	18/03/2010	19/03/2010	19/03/2010	23/03/2010
Sample ID:			BP114_06.0016/03/10	BP15_05.25_17/03/10	BP15_06.50_17/03/10	MWF15S_17/03/10	MWF15I_17/03/10	MWF15D_17/03/10	WG23S18/02/10	WG154S19/03/10	WG154D19/03/10	WG227S23/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels										
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.005	< 0.001	4.9	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	0.736	< 0.001	32.4	< 0.001	0.048	1.27	9.66	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	0.082	< 0.005	0.052	< 0.005	0.009	1.2	< 0.200	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.050	< 0.010	< 0.200	< 0.010	< 0.050	< 0.500	< 2.000	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	0.818	< 0.010	37.352	< 0.010	0.057	2.47	9.66	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.005	< 0.001	< 0.020	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.005	< 0.001	< 0.020	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	0.118	0.001	16.5	0.002	0.026	0.366	1.64	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.005	< 0.001	< 0.020	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	0.245	< 0.001	6.08	0.001	0.007	2.09	6.14	0.026
1.1-Dichloroethane	mg/l	0.25	0.004	0.078	0.07	0.001	0.206	< 0.001	0.02	0.704	0.507	0.016
1.2-Dichloroethane	mg/l	1.9	0.015	< 0.001	1.74	0.005	20.9	0.01	0.006	61.7	378	0.004
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.050	< 0.010	< 0.200	< 0.010	< 0.050	< 0.500	< 2.000	< 0.010
Total Chlorinated Ethanes	mg/l		0.019	0.078	2.173	0.007	43.686	0.013	0.059	64.86	386.287	0.046
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	0.298	0.004	15.9	0.006	0.043	1.1	5.87	0.002
Trichloroethene	mg/l		< 0.001	< 0.001	0.51	< 0.001	36.4	0.008	0.039	1.85	7.34	0.025
1.1-Dichloroethene	mg/l		0.002	< 0.001	< 0.005	< 0.001	0.997	< 0.001	0.017	1.64	0.901	0.002
cis-1.2-Dichloroethene	mg/l		0.172	< 0.001	1.19	0.004	2.55	0.014	1.07	3.04	3.04	0.065
trans-1.2-Dichloroethene	mg/l		0.025	< 0.001	0.205	< 0.001	0.456	0.003	0.127	0.291	< 0.200	0.044
Vinyl chloride	mg/l	0.1		< 0.050	< 0.010		0.69	< 0.010		8.21	7.16	< 0.010
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001					< 0.001			
Total Chlorinated Ethenes	mg/l		0.199	< 0.001	2.203	0.008	56.993	0.031	1.296	16.131	24.311	0.138
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.005	< 0.001	< 0.020	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001
Total Volatile CHCs	mg/l		0.218	0.078	5.194	0.015	138.031	0.044	1.412	83.461	420.258	0.184
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.005	< 0.001	2.86	< 0.001	< 0.005	< 0.050	< 0.200	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.2
Groundwater Volatile CHCs
March 2010

Location ID:		WG229_S	WG231_S	WG233_S	WG234_S
Date Sampled		19/03/2010	18/03/2010	19/03/2010	19/03/2010
Sample ID:		WG229S19/03/10	WG231S18/02/10	WG233S19/03/10	WG234S19/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels			
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	mg/l	1.9	0.009	< 0.001	1.35
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		0.009	< 0.010	1.35
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001
Trichloroethene	mg/l		< 0.001	< 0.001	0.046
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	0.036
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1			
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001	0.047
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.001	0.129
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		0.009	< 0.010	1.479
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.3
Penrhyn Estuary Pore Water
March 2010

Location ID:			BP42_00.10	BP42_00.10	BP42_00.50	BP42_00.50	BP42_02.00	BP42_02.00
Tide:			H	L	H	L	H	L
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			BP42_00.10_H_17/03/10	BP42_00.10_L_17/03/10	BP42_00.50_H_17/03/10	BP42_00.50_L_17/03/10	BP42_02.00_H_17/03/10	BP42_02.00_L_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels						
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	0.002	0.009	0.1	0.134
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.025	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	0.002	0.009	0.1	0.134
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	0.003	< 0.001	< 0.001	< 0.005	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	0.002	< 0.005	0.001
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	< 0.001	0.003	0.093	0.053
1.2-Dichloroethane	mg/l	1.9	0.004	0.003	0.047	0.079	0.915	1.02
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010
Total Chlorinated Ethanes	mg/l		0.004	0.006	0.047	0.084	1.008	1.074
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	0.005
Trichloroethene	mg/l		< 0.001	< 0.001	0.001	0.004	0.017	0.013
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.002	0.022	0.027
cis-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	0.014	0.052	0.873	0.88
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	0.006	0.189	0.227
Vinyl chloride	mg/l	0.1			0.02	0.06	2.6	2.92
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001				
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.001	0.035	0.124	3.701	4.072
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001
Total Volatile CHCs	mg/l		0.004	0.006	0.084	0.217	4.809	5.28
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.3
Penrhyn Estuary Pore Water
March 2010

Location ID:			BP43_00.10	BP43_00.10	BP43_00.50	BP43_00.50	BP43_01.00	BP43_01.00
Tide:			H	L	H	L	H	L
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			BP43_00.10_H_17/03/10	BP43_00.10_L_17/03/10	BP43_00.50_H_17/03/10	BP43_00.50_L_17/03/10	BP43_01.00_H_17/03/10	BP43_01.00_L_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels						
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	0.001	0.001	< 0.001	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	0.001	0.001	< 0.010	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	0.008	< 0.001	< 0.001	< 0.001	0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	0.003	0.004	0.016	0.016	0.01	0.012
1.2-Dichloroethane	mg/l	1.9	0.013	0.018	0.007	0.009	0.017	0.008
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		0.016	0.032	0.023	0.025	0.027	0.021
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	mg/l		< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		< 0.001	0.001	0.007	0.009	0.009	0.003
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1			< 0.010	< 0.010	< 0.010	< 0.010
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001				
Total Chlorinated Ethenes	mg/l		< 0.001	0.001	0.011	0.009	0.009	0.003
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		0.016	0.033	0.035	0.035	0.036	0.024
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.3
Penrhyn Estuary Pore Water
March 2010

Location ID:			BP64_00.10	BP64_00.10	BP64_00.50	BP64_00.50	BP64_02.00	BP64_02.00
Tide:			H	L	H	L	H	L
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			BP64_00.10_H_17/03/10	BP64_00.10_L_17/03/10	BP64_00.50_H_17/03/10	BP64_00.50_L_17/03/10	BP64_02.00_H_17/03/10	BP64_02.00_L_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels						
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	0.002	0.001
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	0.002	0.002	0.008	0.011
1.2-Dichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	0.052	0.11
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		< 0.010	< 0.010	0.002	0.002	0.061	0.122
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	0.004	0.002
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.003
cis-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	0.017	0.032
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	0.006	0.011
Vinyl chloride	mg/l	0.1			< 0.010	< 0.010	< 0.010	< 0.010
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001				
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.001	< 0.010	< 0.010	0.029	0.048
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		< 0.010	< 0.010	0.002	0.002	0.092	0.171
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.008

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.3
Penrhyn Estuary Pore Water
March 2010

Location ID:			BP65_00.10	BP65_00.10	BP65_00.50	BP65_00.50	BP65_02.00	BP65_02.00
Tide:			H	L	H	L	H	L
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			BP65_00.10_H_17/03/10	BP65_00.10_L_17/03/10	BP65_00.50_H_17/03/10	BP65_00.50_L_17/03/10	BP65_02.00_H_17/03/10	BP65_02.00_L_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels						
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001
1.2-Dichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	0.005	0.002
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	0.005	0.003
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1			< 0.010	< 0.010	< 0.010	< 0.010
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001				
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.001	< 0.010	< 0.010	< 0.010	< 0.010
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	0.005	0.003
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.4
Surface Water Volatile CHCs
March 2010

Location ID:			SW005	SW028	SW028	SW029	SW029	SW030	SW031	SW031	SW046	SW049	SW052
Tide:			17/03/2010	H	L	H	L	17/03/2010	H	L	17/03/2010	17/03/2010	17/03/2010
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			SW005_17/03/10	SW028_H_17/03/10	SW028_L_17/03/10	SW029_H_17/03/10	SW029_L_17/03/10	SW030_17/03/10	SW031_H_17/03/10	SW031_L_17/03/10	SW046_17/03/10	SW049_17/03/10	SW052_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels											
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.042	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003	0.022	0.028	< 0.001	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.003	0.022	0.07	< 0.010	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.004	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.004	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	mg/l	1.9	0.002	< 0.001	0.002	< 0.001	< 0.001	< 0.001	0.002	0.006	0.002	0.004	< 0.001
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		0.002	< 0.010	0.002	< 0.010	< 0.010	< 0.010	0.003	0.016	0.004	0.004	< 0.010
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003	0.008	< 0.001	< 0.001
Trichloroethene	mg/l		0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003	0.023	0.053	0.002	< 0.001
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.003	< 0.001	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		0.005	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.022	0.234	0.048	0.01	< 0.001
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.004	0.029	< 0.001	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1											
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.042	< 0.001	0.009	< 0.001	< 0.001
Total Chlorinated Ethenes	mg/l		0.007	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.071	0.292	0.118	0.012	< 0.001
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		0.009	< 0.010	0.002	< 0.010	< 0.010	0.001	0.077	0.33	0.192	0.016	< 0.010
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.4
Surface Water Volatile CHCs
March 2010

Location ID:			SW053	SW060	SW062	SW062_EAST	SW064
Tide:			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Date Sampled			17/03/2010	17/03/2010	17/03/2010	17/03/2010	17/03/2010
Sample ID:			SW053_17/03/10	SW060_17/03/10	SW062_17/03/10	SW062_EAST_17/03/10	SW064_17/03/10
Analyte	Unit	ANZECC 2000 Trigger Levels					
Carbon Tetrachloride	mg/l	0.24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.37	< 0.001	< 0.001	0.003	0.001	< 0.001
Methylene chloride	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Methanes	mg/l		< 0.010	< 0.010	0.003	0.001	< 0.010
Pentachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	mg/l	0.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	mg/l	1.9	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethane	mg/l	0.25	0.001	< 0.001	0.003	< 0.001	0.001
1.2-Dichloroethane	mg/l	1.9	0.002	< 0.001	0.015	0.004	< 0.001
Chloroethane (Ethyl chloride)	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Chlorinated Ethanes	mg/l		0.003	< 0.010	0.018	0.004	0.001
Tetrachloroethene	mg/l	0.07	< 0.001	< 0.001	< 0.001	0.002	< 0.001
Trichloroethene	mg/l		< 0.001	< 0.001	0.007	0.008	0.001
1.1-Dichloroethene	mg/l		< 0.001	< 0.001	0.001	< 0.001	< 0.001
cis-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	0.083	0.021	0.003
trans-1.2-Dichloroethene	mg/l		< 0.001	< 0.001	0.001	< 0.001	< 0.001
Vinyl chloride	mg/l	0.1					
Vinyl chloride (SIM)	mg/l	0.1	< 0.001	< 0.001	0.067	< 0.001	< 0.001
Total Chlorinated Ethenes	mg/l		< 0.001	< 0.001	0.159	0.031	0.004
Hexachlorobutadiene	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Total Volatile CHCs	mg/l		0.003	< 0.010	0.18	0.036	0.005
Carbon disulfide	mg/l		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Note: Analysis of hexachlorobutadiene conducted as part of the volatile organics scan
Concentrations presented incorporate the maximum concentrations reported for primary samples and their respective duplicates/triplicates.

Table 4.5
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - 1,2-Dichloroethane (EDC)

Plume Label	Post GTP Aquifer Contaminant Zone	Well/Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
N1/N2	3	BP116	6		<0.001											ID	0.005		
			9		<0.001											ID	0.002		
			15		0.005											ID	0.003		
			21		<0.001											ID	0.001		
			24		<0.001											ID	0.002		
			30		<0.001											ID	0.003		
			36		<0.001											ID	0.004		
-	1	MWC10S	(6-9)		<0.001								<0.001			ID	0.001		
-	1	MWC10I	(9-12)		<0.001								<0.001			ID	0.001		
-	1	MWC10D	(18-21)		<0.001								<0.001			ID	0.001		
-	1	MWC12D	(12-15)						0.002							ID	0.002		
S2/S3C1	3	MWF15S	(4-7)	0.010	0.016	0.034	0.005	0.008	0.007	0.006	0.001	<0.001	<0.001	<0.001	0.005	0.001	0.007		
S2/S3C1	3	MWF15I	(11.5-14.5)	17.3	19.8	24	0.004	17.5	18	17.1	13.7	17.8	11.4	21.6	20.9	16.13	18.35		
S2/S3C1	3	MWF15D	(22-25)	0.008	<0.001	0.004	36.1	0.002	<0.001	0.005	0.005	0.008	0.002	<0.001	0.01	0.004	0.010		
S3	3	WG23S	(4-8)	0.017	0.014	0.039	0.021	0.033	0.028	0.026	0.018	0.011				0.012	0.025		
			(4-7)		0.002				0.002							ID	0.003		
N4	3	WG68I	(10.5-13.5)	0.029	0.008				0.002							ID	0.045		
N4	3	WG68D	(26-29)	0.009	<0.001				<0.001							ID	1.116		
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.002		
N1	3	WG72I	(21-24)		0.025	0.009			0.027							ID	0.016		
N1	3	WG72D	(28-32)		0.013				0.166							ID	0.021		
C1/S1	4	WG74S	(4-7)		0.042								0.019			ID	27.02		
C1/S1	4	WG74I	(14-17)		89.8								367			ID	1787		
C1/S1	4	WG74D	(27-30)		0.080								564			ID	0.078		
S3	3	WG75I	(12-15)	0.017	0.009	0.010	0.009	0.009	0.007				0.004			ID	0.053		
N1	3	WG76S	(4-7)		<0.001											ID	0.002		
N1	3	WG76D	(27-30)		0.004											ID	0.003		
N2/N3	4	WG88I	(12-15)		0.084				0.009				0.071			ID	0.055		
S1/C1	4	WG154S	(4-7)	3.850	2.7	18.7	0.928	13.3	8.53	92.6	48	2.73	52.3	75.4	61.7	46.61	19.94		
S1/C1	4	WG154D	(17-20)		56.9		69.2		8.41			195	268	432	378	331.7	59.32		
S2/S3	1	WG224S	(1-4)						0.144				0.615			ID	0.380		
S1/S2	1	WG225S	(1-4)						<0.001				<0.001			ID	0.001		
S1/C1	3	WG226S	(1-4)						0.033	0.004			0.004			ID	0.019		
N4	3	WG227S	(1-4)						0.006	0.001	0.004	0.003	0.003	<0.001	0.004	0.003	0.005		
N1	3	WG229S	(8-11)						0.055	0.006	0.008	0.006	0.006	0.003	0.009	0.006	0.014		
N1	3	WG229I	(19-22)						0.006				0.076			ID	0.041		
N1	3	WG229D	(26.5-29.5)						0.36				0.184			ID	0.272		
N1	3	WG230S	(8-11)										0.022			ID			
N1	3	WG230I	(18-21)										0.002			ID			
N1	3	WG230D	(30-33)										0.002			ID			
N1	3	WG231S	(8-11)						0.002	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	0.001		
N1	3	WG231I	(16-19)						0.015	0.016			0.016			ID	0.016		
N1	3	WG231D	(29-31)						0.003	0.003			0.003			ID	0.003		
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N2/N3	3	WG233I	(19-22)						0.003				0.011			ID	0.007		
N2/N3	3	WG233D	(25-32)						0.518	0.196			0.196			ID	0.357		
N3	3	WG234S	(6-9)						1.49	1.35			1.35			1.151	16.14		
N3	3	WG234I	(15.5-18.5)			61.1	1.84	2.05	13.9	22.9	2.62	0.462	2.76	0.173	1.35	ID	8.330		
N3	3	WG234D	(25-28)						12				47.5			ID	29.75		

Note: All concentrations in mg/L
 Note: Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note: Historical data from 1994/95 to March 2007 not shown.
 Notes: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 + May 2004 Data is Reported in the March 2004 Column for BP59
 Blkd Blocked
 Possibly anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date

Table 4.6
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - Tetrachloroethene (PCE)

Plume Label	Pest GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
N1/N2	3	BP116	6		<0.001											ID	0.001		
			9		<0.001											ID	0.001		
			15		<0.001											ID	0.001		
			21		<0.001											ID	0.001		
			24		<0.001											ID	0.001		
			30		<0.001											ID	0.001		
			36		<0.001											ID	0.001		
	1	MWC10S	(6-9)		<0.001								<0.001			ID	0.001		
	1	MWC10I	(8-11)		<0.001								<0.001			ID	0.001		
	1	MWC10D	(18-21)		0.004								0.004			ID	0.004		
	1	MWC12D	(12-15)		<0.001				0.001				<0.001			ID	0.001		
S2/S3/C1	3	MWF15S	(6-7)	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	<0.001	0.004	0.001	0.001		MAX
S2/S3/C1	3	MWF15I	(11.5-14.5)	15.8	25.4	26.100	0.002	25.9	29.6	31	33.7	31.3	23.5	18.2	15.9	26.68	23.46		
S2/S3/C1	3	MWF15D	(22-25)	<0.001	<0.001	<0.001	<0.001	0.002	0.004	0.003	<0.001	0.002	<0.001	0.006	0.002	0.002	0.002		
S3	3	WG23S	(4-6)	0.026	0.007	0.051	0.006	0.003	0.006	0.106	0.012	<0.001	0.017	0.135	0.043	0.041	0.111		
	4	WG30	(4-7)		0.009				0.009							ID	0.007		
N4	3	WG68I	(10.5-13.5)	0.222	0.016				0.005							ID	0.374		
N4	3	WG68D	(26-29)	0.007	<0.001				<0.001							ID	0.261		
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.002		
N1	3	WG72I	(21-24)		<0.001				<0.001							ID	0.002		
N1	3	WG72D	(28-32)		<0.001				<0.001							ID	0.001		
C1/S1	4	WG74S	(4-7)		0.001											ID	2.283		
C1/S1	4	WG74I	(14-17)		34.2								36			ID	25.45		
C1/S1	4	WG74D	(27-30)		0.005											ID	0.916		
S3	3	WG75I	(12-15)	0.125	0.146	0.130	0.138	0.015	0.031							ID	1.156		
N1	3	WG76S	(4-7)		<0.001											ID	0.001		
N1	3	WG76D	(27-30)		<0.001											ID	0.002		
N2/N3	4	WG68I	(12-15)		<0.001				<0.001				<0.001			ID	0.001		
S1/C1	4	WG154S	(4-7)	0.800	0.432	1.37	0.227	1.68	1.18	1.54	1.21	0.201	1.2	1.14	1.1	0.938	2.314		
S1/C1	4	WG154D	(17-20)		9.78			8.86	1.07			5.12	6.92	7.82	5.87	6.620	13.40		
S2/S3	1	WG224S	(1-4)						0.116				3.97			ID	2.043		
S1/S2	1	WG225S	(1-4)						<0.001				<0.001			ID	0.001		
S1/C1	3	WG226S	(1-4)						<0.001				<0.001			ID	0.001		
N4	3	WG227S	(1-4)						0.002	<0.001	0.002	0.002	<0.001	<0.001	0.002	0.002	0.002		
N1	3	WG229S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229I	(19-22)						<0.001				<0.001			ID	0.001		
N1	3	WG229D	(26.5-29.5)						<0.001				<0.001			ID	0.001		
N1	3	WG230S	(8-11)										<0.001			ID	ID		
N1	3	WG230I	(18-21)										<0.001			ID	ID		
N1	3	WG230D	(30-33)										<0.001			ID	ID		
N1	3	WG231S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG231I	(16-19)						0.003				<0.001			ID	0.002		
N1	3	WG231D	(28-31)						0.002				<0.001			ID	0.002		
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N2/N3	3	WG233I	(19-22)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001		
N2/N3	3	WG233D	(29-32)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001		
N3	3	WG234S	(6-9)			0.512	<0.005	<0.005	<0.005	0.015	<0.005	<0.001	<0.005	<0.001	<0.005	0.005	0.005		DL
N3	3	WG234I	(15.5-18.5)						<0.02				0.008			ID	0.014		
N3	3	WG234D	(25-28)						0.11				0.095			ID	0.103		

Note: All concentrations in mg/L.
 Note: Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note: Historical data from 1994/95 to March 2007 not shown.
 Note: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 * May 2004 Data is Reported in the March 2004 Column for BP59
 Bldk Blocked
 Possibly anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date

Table 4.7
March 2010 Quarterly Monitoring Report
Historical Data Trends - Trichloroethene (TCE)

Plume Label	Pest GTP Acquirer Contaminant Zone	Well/Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag		
S2/S3	3	BP01	0.75	<0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.012	0.03	5.5	0.911	0.813		MAX	
			1.25	0.005	0.106	<0.001	0.003	0.002	<0.001	<0.001	<0.001	0.009	0.006	0.001	0.003		0.017	0.016			
			2	0.002	0.015	0.496	0.004	0.002	4.93	19.2	0.005	0.027	0.009	0.114	25.5		0.039	3.059		MAX	
			6	1.69	1.870	24.100	0.462	0.78	5.2	40.5	29	26.8	23.6	24.3							
			8														38.5	25.93	13.65		
			10	37.6	35.00	43.80	29.2	23	35.9	36	24.8	42.4	25.4	25.4	25.4		29.50	36.98			
			12																		
			14																		
C1	4	BP02	8		10.5				0.021				0.012				ID	8.285			
			12		12.3				3.63				1.78				ID	12.52			
			14		16.2				8.34				2.89				ID	9.304			
			16		5.42				7.59				8.34				ID	11.53			
			18														ID	2.715			
			20														ID	0.002			
			24								17.7						ID	11.56			
			26												11.2		ID	73.60			
C1/S1	4	BP03	6		4.98				2.79				0.973				ID	7.863			
			10														ID	0.846			
			12							3.36				0.52			ID	2.948			
			14							2.51				0.948			ID	2.038			
			16							2.75				1.14			ID	3.848			
			22							46				28.9			ID	36.20			
			26											6.78			ID	9.440			
			28														ID	4.559			
C1	3	BP06	6		0.921								0.002				ID	1.870			
			10		1.28									0.003			ID	6.105			
			12		0.014									0.008			ID	9.114			
			16		0.408									1.27			ID	4.929			
			18		0.002		0.002		0.001					0.006			ID	0.511			
			8		0.103		0.847		3.64					3.92			ID	5.775			
			10		5.55		2.6		4.68					4.47			ID	4.966			
			12		0.001		0.984		0.002		<0.001			0.002			ID	0.106			
C1	4	BP21	10		0.100		0.026		3.6			0.27				ID	5.972				
			12		0.002				0.036				0.004			ID	0.700				
			14		0.918				1.81				0.01			ID	3.878				
			16		5.23		4.56		4.56				3.44			ID	14.32				
			18		4.26				5.4				4.77			ID	16.99				
			20		0.374				0.151				0.06			ID	17.00				
			4														ID	11.44			
			6		12.2										13.6		ID	12.90			
C1	4	BP33	8													ID	6.108				
			10													ID	19.20				
			12													ID	7.700				
			14		0.529											ID	1.986				
			16		1.46											ID	1.986				
			18		2.26											ID	37.38				
			20												82.1		ID	37.38			
			22														ID	2.099			
C1/N5	3	BP41	6	0.012	0.004	1.26	0.007	0.002	<0.001	0.87	0.003	0.001		0.565	0.005	0.914	0.876				
			8	0.178	0.022	1.93	0.018	0.002	0.002	1.41	0.092	0.003	0.002	0.65	0.007		0.187	0.393			
			10	1.24	0.048		0.102	0.004	0.009	1.46	0.943	0.019		2.68	1.59	0.091	0.951	1.452			
			12		4.09	3.63		0.086	2.78					3.16			ID	3.242			
			14		4.19				3.16					4.35			ID	5.379			
			16		4.24				4.46					4.24			ID	6.117			
			18		0.086			0.003	0.003					0.003			ID	3.270			
			20		0.400			0.033	0.015					0.015			ID	4.765			
S1/C1	1	BP45	8		3.92			0.415					2.86			ID	5.331				
			12		5.26			11.9					0.577			ID	5.953				
			16		8.88			4.15					2.68			ID	10.84				
			20													ID	2.940				
			4		1.8			0.086						0.043			ID	3.244			
			8		3.91			9.4						3.49			ID	2.990			
			12		3.02			2.02						2.8			ID	2.990			
			16		3.54			6.85						1.46			ID	3.271			
S1/S2	1	BP47	4	<0.001												ID	8.973				
			8		0.610											ID	0.269				
			12		0.729											ID	0.629				
			16		0.503											ID	0.689				
			20		0.648											ID	0.525				
			4		7.4											ID	0.895				
			8		6.28											ID	6.544				
			12		4.36											ID	4.238				
S2/S3	1	BP49	4		17.1											ID	2.696				
			8													ID	3.275				
			10		12.1											ID	1.236				
			12		4.02											ID	1.236				
			16		12.3											ID	13.32				
			20		4.36											ID	8.366				
			4														ID	19.90			
			6														ID	12.49			
S2/S3	1	BP50	4													ID	10.78				
			6		<0.001									<0.001		ID	0.001				
			8		0.352									4.84		ID	0.857				
			12		0.334									5.42		ID	0.854				
			14		0.215									4.92		ID	1.364				
			16		<0.001									4.7		ID	3.470				
			18		<0.001											ID	0.001				
			20													ID	0.001				
S3	1	BP51	6		<0.001									<0.001		ID	0.993				
			8		0.263									0.115		ID	0.279				
			12		2.46									2.67		ID	1.326				
			15		0.136									0.151		ID	1.630				
			18		<0.001									0.001		ID	3.536				
			21		8.82									0.001		ID	0.001				
			24		<0.001									<0.001		ID	0.001				
			27		<0.001									<0.001		ID	0.001				
N1	3	BP54	6	<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			
			9														ID	0.001			
			12	<0.001	<0.001		<0.001		<0.001		<0.001			<0.001			ID	0.001			
			21	<0.001	<0.001	0.001	<0.001		<0.001		<0.001			<							

Table 4.7
March 2010 Quarterly Monitoring Report
Historical Data Trends - Trichloroethene (TCE)

Plume Label	Pest GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag		
C1/S1	4	BP60	4	0.004	0.003	0.005	0.006	0.006	0.003	0.003	0.004	0.018	0.003	0.002		0.007	0.041				
			6	0.064	0.070	0.243	0.392										ID	0.269			
			8					0.365	0.489							1.13	0.927	0.594	MAX		
			10	2.44	2.73	2.54	3.36	2.22	1.73			1.05			1.32	0.788	1.185	2.723			
			12															ID	0.541		
			14		2.62			1.6	0.057			0.028	0.028			0.044	0.039	4.230			
			16							3.89			3.44			2.98		3.210	4.053		
			18						7.56									ID	7.282		
			20		7.81													ID	14.85		
			22		12.2				17.6		17		20.1			19.7		19.90	11.34		
S2/S3	3	BP61	4	0.003	0.002	<0.005	0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.710			
			6	0.006	0.006	<0.005	0.007	<0.001	<0.001								<0.001	1.176			
			12		8.63												<0.001	27.20			
			16		0.965												ID	14.85			
			20		0.555					1.98							ID	8.341			
S3	3	BP62	4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					<0.001		ID	0.003				
			6	0.016	0.023	0.029	0.021	0.02								ID	0.036				
			12		0.053												ID	0.069			
			16		<0.001												ID	0.003			
			20		<0.001												ID	0.004			
N2	4	BP72	4	<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	0.501			
			6		0.010		0.008	0.013			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.005			
			8		0.001		0.001										0.002	0.001			
			10															ID	0.001		
			12															ID	0.001		
			14		0.034					0.035								ID	0.027		
			16															ID	0.001		
			18															ID	0.001		
			20		<0.001													ID	0.001		
			22															ID	0.001		
C1	3	BP76	4	0.003	0.002	<0.005	0.012	0.001	0.002	0.004	<0.001	<0.001	<0.001	0.003	0.093	0.02	0.025	0.954			
			6	0.008	0.007	0.003	0.015	0.012	0.009								0.047	0.380			
			8														0.032	ID	2.239		
			10	1.680		1.25	1.03	1.54	1.51									ID	4.903		
			12		3.21													ID	4.903		
			14		4.28					1.08						1.35		ID	4.247		
			16		5.01											6.62		ID	13.95		
			18								8.12					8.71		ID	0.116		
			20		13.1						12.6					0.02		ID	0.007		
			22								0.457					0.004	0.003	ID	0.004		
C1	4	BP77	4	0.006	0.009	0.012	0.007	0.022	0.024	0.004	0.011	0.01	0.004	0.003	0.004	0.004	0.004	0.624			
			6	0.022	0.020	0.022	0.015	0.015	0.009								0.005	0.575	0.620		
			8	0.456	0.202	0.216	0.328	0.264	0.31								0.542	ID	0.215		
			10														1.78	ID	2.983		
			12		1.98		3.63	3.18	3.18			1.23	1.84			1.89	2.200	2.983			
			14		4.26		3.93	4.6	4.6			2.66	4.22				3.440	2.931			
			16									2.53						ID	16.309		
			18		12.1		16.4			23.5							14.8	ID	0.084		
			20														0.047	0.027	0.097		
			22		0.061		0.106						0.372				0.005	0.005	0.005		
N4/N5	1	BP80	6	0.048		0.16	0.09	0.09	0.036					0.036		ID	2.016				
			8	0.492		0.49	0.444	0.444	0.236	0.444						ID	0.415				
			10	0.437		0.355	0.217	0.217	0.402							ID	0.265				
			12	1.64		10.4	2.08	2.08	0.573							ID	2.285				
			14		2.53		12.9	12.9	2.36								ID	4.798			
-	NA	BP85	6	<0.001					<0.001					<0.001		<0.001	0.001				
			8		0.002												ID	0.002			
			10		0.003												ID	0.006			
			12		<0.001												ID	0.001			
			14		<0.001												ID	0.001			
			16		0.001												ID	0.001			
			18		0.023												ID	0.005			
			20		0.092												ID	0.018			
			22		0.256												ID	0.057			
			24		0.517												ID	0.140			
-	NA	BP87	6		0.025											ID	0.264				
			8		0.001												ID	0.014			
			10														ID	0.001			
			12														ID	0.004			
			14		0.012												ID	0.010			
			16		0.512												ID	0.224			
			18														ID	0.057			
			20														ID	0.001			
			22														ID	0.002			
			24														ID	0.002			
N1/N2	3	BP89	6	<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			
			8		<0.001												ID	0.001			
			10		0.298					0.325							ID	0.167			
			12		<0.001					<0.001							ID	0.001			
			14		0.190					0.365							ID	0.141			
			16		<0.001					<0.001							ID	0.001			
			18		<0.001					<0.001							ID	0.001			
			20		<0.001					<0.001							ID	0.001			
			22		0.485		0.093		0.156								ID	2.963			
			24														ID	3.256			
C1	1	BP91	6	1.45		1.06		1.12						1.98		1.98	2.386				
			8	0.096		0.107		0.098						0.092		ID	0.223				
			10	11.4		9.56		9.56						9.36		ID	13.221				
			12		0.52		0.306										ID	0.531			
			14		10.9		0.904		0.922								ID	10.24			
			16		21.6		26.2		24.4												

Table 4.7
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - Trichloroethene (TCE)

Plume Label	Pest GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag		
N1/N2	3	BP116	6		<0.001											ID	0.001				
			9		<0.001												ID	0.001			
			15		<0.001													ID	0.001		
			21		<0.001													ID	0.001		
			24		<0.001													ID	0.001		
			30		<0.001											ID	0.001				
			36		<0.001											ID	0.001				
-	1	MWC10S	(6-9)		<0.001								<0.001			ID	0.001				
-	1	MWC10I	(8-13)		<0.001								<0.001			ID	0.001				
-	1	MWC10D	(18-21)		0.004								0.004			ID	0.004				
	1	MWC12D	(12-15)						0.006				0.004			ID	0.005				
SZS3C1	3	WWF15S	(6-7)	<0.001	0.001	0.002	0.002	0.001	0.003	0.002	0.001	0.001	0.001	<0.001	<0.001	0.001	34.95	35.57			
SZS3C1	3	WWF15I	(11.5-14.5)	19.300	38.6	43.5	0.007	40.2	47.4	46.9	43.7	43.7	26.2	26.2	36.4	0.002	0.008	0.003	0.008		
SZS3C1	3	WWF15D	(22-25)	0.004	<0.001	0.003	54.1	0.003	0.008	0.01	0.004	0.002	0.004	0.002	0.008	0.002	0.008	0.003	0.008		
S3	3	WG23S	(4-6)	0.034	0.005	0.116	0.005	0.002	0.007	0.18	0.024	0.001	0.019	0.207	0.039	0.093	1.179				
	4	WG30	(4-7)		0.013				0.073							ID	0.008				
N4	3	WG68I	(10.5-13.5)	0.021	0.005				0.002							ID	<0.001		0.083		
N4	3	WG68D	(26-29)	0.003	0.001				<0.001							ID	0.244				
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.001				
N1	3	WG72I	(21-24)		<0.001				<0.001							ID	0.001				
N1	3	WG72D	(28-32)		0.001				0.01							ID	0.002				
C1/S1	4	WG74S	(4-7)		0.003											ID	0.951				
C1/S1	4	WG74I	(14-17)		2.44											ID	17.92				
C1/S1	4	WG74D	(27-30)		0.005											ID	0.008				
S3	3	WG75I	(12-15)	0.203	0.128	0.111	0.131	0.103	0.101							ID	2.172				
N1	3	WG76S	(4-7)		<0.001											ID	0.001				
N1	3	WG76D	(27-30)		<0.001											ID	0.002				
N2/N3	4	WG68I	(12-15)		0.002				<0.001				0.003			ID	0.002				
St/C1	4	WG154S	(4-7)	1.420	0.934	2.05	0.276	2.78	2.47	2.94	2.7	0.448	2.37	1.78	1.85	1.825	2.789				
St/C1	4	WG154D	(17-20)		9.92		12		2.17			7.64	9.02	9.04	7.34	8.567	10.37				
SZS3	1	WG224S	(1-4)						0.673							ID	3.017				
St/S2	1	WG225S	(1-4)						<0.001							ID	0.002				
St/C1	3	WG226S	(1-4)						0.002							ID	0.002				
N4	3	WG227S	(1-4)						0.036	0.004	0.031	0.029	0.017	0.003	0.025	0.020	0.020				
N1	3	WG229S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001				
N1	3	WG229I	(19-22)						<0.001							ID	0.001				
N1	3	WG229D	(26.5-29.5)						0.002							ID	0.002				
N1	3	WG230S	(8-11)													ID					
N1	3	WG230I	(18-21)													ID					
N1	3	WG230D	(30-33)													ID					
N1	3	WG231S	(8-11)						<0.001	<0.001	<0.001	<0.001				0.001	0.001				
N1	3	WG231I	(16-19)						<0.001							ID	0.001				
N1	3	WG231D	(28-31)						<0.001							ID	0.001				
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001				0.001	0.001				
N2/N3	3	WG233I	(19-22)						<0.001							ID	0.002				
N2/N3	3	WG233D	(29-32)						0.014				0.012			ID	0.013				
N3	3	WG234S	(6-9)			1.16	0.118	0.166	0.141	1.29	0.186	0.024	0.074	0.009	0.046	0.033	0.335				
N3	3	WG234I	(15.5-18.5)						0.791				0.178			ID	0.485				
N3	3	WG234D	(25-28)						0.174				0.295			ID	0.235				

Note: All concentrations in mg/L.
 Note: Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note: Historical data from 1994/95 to March 2007 not shown.
 Note: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 * May 2004 Data is Reported in the March 2004 Column for BP59
 Bldk Blocked
 Possibly anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date

Table 4.8
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - Vinyl Chloride (VC)

Plume Label	Post GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag		
S2/S3	3	BP01	6	0.150	0.090	<0.001	0.03	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	2.06	0.008	0.029		MAX	
			12	<0.01	0.240	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.010	0.065		
			2	0.250	<0.01	4.170	<0.01	<0.01	2.73	2.5	<0.01	<0.01	<0.01	<0.01	0.08	1.7	<0.01	0.028	1.102		
			8	2.02	1.900	12.200	0.3	0.07	2.56	2.13	5.5	1.3	0.75	<0.2	<0.2	<0.2	1.938	2.192			
			10														<0.2				
			14	2.41	1.530	3.120	1.14	0.33	0.96	0.94	1.97	0.53	0.39	<0.2	<0.2	<0.2	0.773	1.551			
			18															ID	39.25		
			20															ID	45.57		
C1	4	BP02	12														ID	25.7			
			14														ID	34.67			
			16														ID	7.795			
			18														ID	0.017			
			20														ID	19.94			
			24															ID	56.90		
			26															ID	30.34		
			28															ID	3.504		
C1/S1	4	BP03	6														ID	10.14			
			10														ID	6.415			
			12														ID	14.66			
			14														ID	19.17			
			16														ID	5.885			
			18														ID	15.95			
			20														ID	15.25			
			22														ID	1.750			
C1	3	BP06	6														ID	4.967			
			10														ID	4.327			
			12														ID	44.28			
			14														ID	27.31			
			16														ID	0.413			
			18														ID	20.13			
			20														ID	4.920			
			22														ID	8.697			
C1	4	BP21	8														ID	27.65			
			12														ID	30.19			
			14														ID	31.20			
			16														ID	7.502			
			18														ID	20.91			
			20														ID	3.638			
			22														ID	17.47			
			24														ID	1.657			
S2/S3	1	BP23	4														ID	1.035			
			6														ID	ID			
			8															ID	2.228		
			10															ID	2.228		
			12															ID	4.257		
			14															ID	15.86		
			16															ID	25.10		
			18															ID	38.53		
C1	4	BP33	8														ID	33.41			
			10														ID	1.755			
			12														ID	8.433			
			14														ID	8.171			
			16														ID	10.49			
			18														ID	16.20			
			20														ID	26.08			
			22														ID	48.78			
C1/N5	3	BP41	4	0.050	<0.01	26	<0.01	<0.01	<0.01	2.27	0.04	<0.001	<0.001	1.06	<0.001	<0.001	0.376	3.741			
			6	1.99	0.140	32.1	<0.01	<0.01	3.52	1.49	<0.01	0.01	1.8	<0.01	<0.01	2.350	5.010				
			8	9.77	0.320		<0.1	0.03	0.04	2.92	5.49	0.06						ID	8.433		
			12															ID	10.49		
			14															ID	16.20		
			16															ID	26.08		
			18															ID	48.78		
			20															ID	55.39		
S1/C1	1	BP45	4	0.460													ID	61.38			
			6	4.01													ID	63.47			
			8	4.01													ID	6.840			
			12	88.7													ID	12.67			
			16	1.90													ID	23.00			
			20	64.5													ID	32.22			
			22	13.2													ID	21.07			
			24	44.7													ID	1.024			
S1/S2	1	BP47	4	<0.01													ID	1.024			
			6	1.37													ID	2.594			
			8	1.22													ID	2.113			
			12	0.980													ID	1.613			
			16	3.44													ID	1.677			
			18	18.5													ID	4.380			
			20	9.34													ID	2.836			
			22	9.53													ID	3.522			
S2/S3	1	BP49	4	19.7													ID	1.778			
			6	4.56													ID	2.110			
			8	3.14													ID	6.767			
			10	14.5													ID	2.436			
			12	<2													ID	1.583			
			14	2.19													ID	1.565			
			16	<2													ID	1.700			
			20	<2													ID	1.700			
S2/S3	1	BP50	4														ID	ID			
			6	0.080													ID	1.518			
			8	4.45													ID	3.236			
			12	5.34													ID	4.154			
			14	4.78													ID	1.371			
			16	<0.01													ID	3.627			
			18	<0.01													ID	ID			
			20	<0.01													ID	ID			
S3	1	BP51	6	0.080													ID	2.238			
			9	1.65													ID	2.558			
			12	9.67													ID	8.972			
			15	7.3													ID	4.464			
			21	1.68																	

Table 4.8
March 2010 Quarterly Monitoring Report
Historical Data Trends - Vinyl Chloride (VC)

Plume Label	Post GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag						
C1/S1	4	BP60	4	0.130	0.004	<0.001	0.01	0.027	<0.001	<0.001	0.02	<0.001	0.02	<0.001		0.011	0.093								
			6	7.68	8.29	33	4.98										ID	6.410							
			8							1.6	10.7						3.98	6.157							
			10	13.7	12.6	52.4	9.9	2.43	<0.05				12.8				3.62	9.710	12.94						
			12															ID	ID						
			14				18.9			9.77			3.12					4.235	12.63						
			16								41		17.5					6.71	12.11	23.83					
			18							6.94									ID	9.687					
			20				9.41												ID	ID					
			22				62.2			96		34	120					39.9	26.5	32.27					
			24															<2	10.2	ID					
			26				0.310			0.15		<0.2						0.04	0.159	0.383					
S2/S3	3	BP61	4	1.07	0.004	10.4	<0.001	<0.001	<0.001	0.41	<0.001	<0.001	<0.001	0.28	<0.001	0.071	2.391								
			8	3.56	2.42	6.5	0.58	0.26	1.53							<0.01	ID	6.253							
			12		48				0.2								<0.01	ID	18.95						
			16		145				0.63								10.2	ID	1.857						
			20		0.760					0.37								0.45	ID	1.248					
			24															<0.001	ID	0.028					
S3	3	BP62	4	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001						<0.001	ID	0.028							
			8	0.170	0.300	0.880	0.15	<0.01	0.01	0.14							0.04	ID	0.328						
			12		<0.01					<0.01								<0.01	ID	0.268					
			16		<0.01					0.01								<0.01	ID	0.054					
			20		<0.01					<0.01								<0.01	ID	0.025					
			24		<0.001						<0.001							<0.001	ID	0.008					
N2	4	BP72	3	<0.001			0.003		<0.001	<0.001	0.02	<0.001	<0.001	<0.001	<0.001	0.008	0.008								
			5		0.120		0.03			<0.01							<0.01	ID	0.052						
			9		<0.01		<0.01			<0.01								<0.01	ID	0.010					
			13															<0.01	ID	0.010					
			15		0.390					0.12								<0.01	ID	0.155					
			17															0.87	ID	0.199					
			19		0.060						<0.01							<0.01	ID	0.022					
			21		0.060						<0.01							0.3	ID	0.054					
			23																ID	ID					
			25																ID	ID					
			27																ID	ID					
			C1	3	BP76	4	1.2	0.660	3.66	0.37	0.19	0.76	0.9	0.58	0.15			1.01	0.85	0.413	0.251				
6	2.65	0.460				2.41	0.37	0.27	1								2.08	ID	2.589						
8																	3.69	ID	ID						
10	32.6						7.71	3.23	26.8									ID	17.53						
12						14.7												ID	ID						
14						18.3					30.6					9.08		ID	20.48						
16						10.4									6.96			ID	10.42						
18																		ID	ID						
20											33.1							ID	ID						
22											43.4							ID	30.37						
24											6.84							ID	0.723						
26											<0.01							0.24	0.248	3.681					
C1	4	BP77	4	3.16	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.62	<0.001	0.24	0.13	<0.001	0.33	<0.001	0.248	3.681						
			6	0.140	0.490	0.590	0.28	0.13	0.42								0.33	<0.001	ID	0.552					
			8															<0.2	2.135	1.705					
			10	1.13	1.54	3.64	0.87	0.24	0.93			3.09						1.18	<0.2	2.135	1.705				
			12															2.16	ID	1.705					
			14				6.02		3.24		3.14	9.66						2.8	<0.2	6.089	4.14				
			16				14.5		5.64		20.7	8.44						4.67	6.555	7.254					
			18																<0.2	ID	ID				
			20				37.3		71.5		265	8.36						41	24.1	24.1	24.1				
			22																ID	0.056					
			24																ID	0.056					
			26																ID	0.056					
28											0.29					0.02	0.02	0.02							
N4/N5	1	BP80	6	0.210			0.04		0.54							<0.01	ID	1.749							
			15		<0.2				<0.2	<0.2							<0.05	ID	0.198						
			18							<0.2								<0.5	ID	0.502					
			20																ID	7.646					
			24															0.31	21.3	17.32					
			31																<0.001	ID	0.001				
-	NA	BP85	6	<0.001												<0.001	ID	0.001							
			9		<0.01													<0.01	ID	0.010					
			12		<0.01													<0.01	ID	0.010					
			18		<0.01													<0.01	ID	0.010					
			24		<0.01													<0.01	ID	0.010					
			36		<0.01													<0.01	ID	0.010					
N1	NA	BP86	3	<0.001												<0.001	ID	0.006							
			6		<0.01												<0.01	ID	0.010						
			9		<0.01													<0.01	ID	0.010					
			12		<0.05													0.03	ID	0.020					
			15		0.030													0.01	ID	0.015					
			18		<0.01													<0.01	ID	0.010					
-	NA	BP87	6														ID	ID							
			9		<0.01													<0.01	ID	0.008					
			12															<0.001	ID	0.001					
			15		<0.01													<0.01	ID	0.010					
			18		0.030													<0.01	ID	0.014					
			21															<0.01	ID	ID					
			24															<0.01	ID	ID					
			27																ID	0.010					
			30																ID	0.010					
			33																ID	0.010					
			36																ID	0.010					
			39																ID	0.010					
N1/N2	3	BP89	6		0.040											<0.01	ID	0.015							
			10	<0.01		<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001						
			12															<0.01	ID	0.010					
			18															0.78	ID	0.501					
			21															0.1	ID	0.041					
			24										1.43					3.107	ID	3.107					
			27										<0.01					0.06	ID	0.034					
			30										<0.01					0.1	ID	0.033					
			C1	1	BP91	6		0.040		0.03		0.04							0.03	ID	3.768				
						8															ID	ID			
						10															0.09	ID	1.578		
						16															<0.01	ID	0.086		
20																		<2	ID	13.31					
22																			ID	0.862					
24																		0.34	ID	44.91					
26																		38.7	ID	118.8					
28																									

Table 4.8
March 2010 Quarterly Monitoring Report
Historical Data Trends - Vinyl Chloride (VC)

Plume Label	Post GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
N1/N2	3	BP116	6		<0.001											ID	0.009		
			9		<0.01											ID	0.010		
			15		<0.01											ID	0.010		
			21		<0.01											ID	0.010		
			24		<0.01											ID	0.010		
			30		<0.01											ID	0.010		
			36		<0.01											ID	0.010		
-	1	MWC10S	(6-9)		<0.01								<0.001			ID	ID		
-	1	MWC10I	(9-12)		<0.01								<0.01			ID	ID		
-	1	MWC10D	(18-21)		<0.01								<0.01			ID	ID		
-	1	MWC12D	(12-15)		<0.01								<0.01			ID	0.010		
S2/S3/C1	3	MWF15S	(4-7)	0.040	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.010	0.168		
S2/S3/C1	3	MWF15I	(11.5-14.5)	7.600	5.2	7.37	<0.01	4.25	1.75	1.34	2.48	1.04	<0.2	0.69	<0.01	0.868	3.075		
S2/S3/C1	3	MWF15D	(22-25)	0.050	<0.01	<0.01	1.2	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	0.015	0.018		
S3	3	WG23S	(4-6)	2.110	0.850	1.36	0.5	0.029	0.58	0.46	0.87	0.17	0.26	0.11	<0.001	0.353	1.595		
-	1	WG30	(4-7)		0.010				<0.001							ID	0.012		
N4	3	WG68I	(10.5-13.5)	5.790	0.990				0.21							ID	0.534		
N4	3	WG68D	(26-29)	0.980	0.030				0.01							ID	0.141		
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.010		
N1	3	WG72I	(21-24)		<0.01				<0.01							ID	0.009		
N1	3	WG72D	(29-32)		<0.01				0.08							ID	0.016		
C1/S1	4	WG74S	(4-7)		0.560								0.13			ID	3.361		
C1/S1	4	WG74I	(14-17)		12.5								13.6			ID	37.30		
C1/S1	4	WG74D	(27-30)		<0.01								0.02			ID	0.015		
S3	3	WG75I	(12-15)	7.920	1.23	5.46	0.84	0.2	<0.01				0.08			ID	3.766		
N1	3	WG76S	(4-7)		<0.001											ID	0.009		
N1	3	WG76D	(27-30)		<0.01											ID	0.009		
N2/N3	4	WG88I	(12-15)		0.050				<0.01							ID	0.014		
S1/C1	4	WG154S	(4-7)	6.270	4.3	39.8	2.44	2.52	4.01	10.4	26.5	2.33	8.19	4.87	8.21	10.47	7.253		
S1/C1	4	WG154D	(17-20)		10.5		4.38		5.47			3.18	10.4	<2	7.16	5.193	3.802		
S2/S3	1	WG224S	(1-4)						9.85				52.4			ID	31.13		
S1/S2	1	WG225S	(1-4)						<0.01				<0.01			ID	0.010		
S1/C1	3	WG226S	(1-4)						0.14				<0.01			ID	0.075		
N4	3	WG227S	(1-4)						0.05	<0.01	0.05	0.03	<0.01	<0.01	<0.01	0.025	0.027		
N1	3	WG229S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229I	(19-22)						<0.01							ID	0.010		
N1	3	WG229D	(26.5-29.5)						<0.01							ID	0.010		
N1	3	WG230S	(8-11)						<0.01							ID	ID		
N1	3	WG230I	(18-21)						<0.01							ID	ID		
N1	3	WG230D	(30-33)						<0.01							ID	ID		
N1	3	WG231S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG231I	(16-19)						<0.01							ID	0.010		
N1	3	WG231D	(20-31)						<0.01							ID	0.010		
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N2/N3	3	WG233I	(19-22)						<0.01							ID	0.010		
N2/N3	3	WG233D	(29-32)						0.09				<0.01			ID	0.050		
N3	3	WG234S	(6-9)						<0.05	1.29	0.48	0.041	<0.001	<0.001	0.047	0.131	0.324		
N3	3	WG234I	(15.5-18.5)			7.19	0.11	0.14	0.47				0.13			ID	0.300		
N3	3	WG234D	(25-28)						<0.2				0.87			ID	0.535		

Note: All concentrations are mg/L
 Note: Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note: Historical data from 1994/95 to March 2007 not shown.
 Note: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <100% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 * May 2004 Data is Reported in the March 2004 Column for BP59
 Blkd Blocked
 Possible anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date

Table 4.9
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - Carbon Tetrachloride (CTC)

Plume Label	Pest GTP Acquirer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL	Max Flag			
S2/S3	3	BP01	0.75	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.02	0.001	0.001	DL			
			1.25	<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	0.001			
			2	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.02	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	0.015	DL	
			6	<0.005	<0.005	<0.02	<0.02	<0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.020	0.032			
			8																			
			10	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.016	0.055		
			12		<0.2						<0.005								ID	0.241		
			14		<0.2						<0.2								ID	0.269		
C1	4	BP02	12														ID	0.348				
			14															ID	0.387			
			16		<0.2						<0.2							ID	0.200			
			18															ID	0.126			
			20															ID	0.300			
			24							<0.5								ID	0.200			
			26		<0.2						<0.02							ID	0.490			
			10		<0.2						<0.02							ID	15.38			
C1/S1	4	BP03	6														ID	0.490				
			8														ID	6.191				
			12		6.75					5.6								ID	14.16			
			14		6.9				18									ID	10.12			
			16		19.4				6.28									ID	9.668			
			22		24.9				28.8									ID	0.050			
			26							<0.05								ID	0.219			
			10		<0.02													ID	0.205			
C1	3	BP06	6														ID	0.108				
			8														ID	0.123				
			10		<0.02													ID	0.130			
			12		<0.001													ID	0.033			
			16		<0.001													ID	0.330			
			8		<0.001		<0.001		<0.001		<0.001							ID	0.241			
			10		<0.005		<0.05		<0.2		<0.2							ID	0.075			
			12		<0.2		<0.2		<0.2		<0.2							ID	0.290			
C1	4	BP21	8		<0.001				<0.001								ID	0.042				
			12		<0.02				<0.02		<0.05						ID	0.139				
			14		<0.2		<0.2		<0.2		<0.5						ID	0.460				
			16		<0.2		<0.2		<0.2		<0.05						ID	0.612				
			18		<0.02		<0.005				<0.005						ID	0.634				
			4															ID	116.2			
			6		0.806													ID	0.495			
			8															ID	156.0			
S2/S3	1	BP23	10														ID	19.65				
			12														ID	157.1				
			14															ID	182.2			
			16															ID				
			18															ID				
			20		135													ID				
			6															ID	49.83			
			8															ID	0.170			
C1	4	BP33	8		<0.1				<0.005								ID	0.287				
			12		<0.1				<0.005									ID	0.622			
			14		<0.001				<0.005									ID	0.513			
			16		<0.02													ID	0.742			
			18		0.250					<0.005								ID	0.013			
			20							<0.02								ID	0.013			
			4		<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	0.002	0.004			
			6		<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.009	0.006			
C1/N5	3	BP41	8		<0.001				<0.001								ID	0.075				
			12		<0.05		<0.05		<0.02		<0.02							ID	0.067			
			14		<0.05		<0.02		<0.001		<0.02							ID	0.492			
			16		<0.05													ID	1.480			
			18		<0.05													ID	0.071			
			4		<0.005					<0.001		<0.001						ID	0.102			
			8		<0.005					<0.005		<0.001						ID	0.205			
			12		<0.2					<0.005		1.21						ID	0.469			
S1/C1	1	BP45	16		<0.2				1.29								ID	0.402				
			20		<0.2				<0.2		6.48							ID	1.480			
			4		<0.02				<0.001		<0.001							ID	2.780			
			8		25.4				36.7		4.34							ID	21.73			
			12		8.9				9.29		10.2							ID	9.364			
			16		17.2				25.4		2.84							ID	16.02			
			18		3.9													ID				
			20						10.5									ID	3.352			
S1/S2	1	BP47	4		<0.001												ID	0.014				
			8		0.960													ID	8.225			
			12		2.9													ID	13.76			
			16		14.9													ID	21.03			
			20		7.67													ID	15.26			
			4		47.1													ID	39.09			
			8		113													ID	75.56			
			12		57.5													ID	51.38			
S2/S3	1	BP49	14		27.3												ID	48.00				
			16		30.1													ID	13.42			
			4		72													ID	181.0			
			8															ID	294.5			
			10		163													ID	225.7			
			12		170													ID	215.1			
			16		381													ID	69.3			
			20		126													ID	112.3			
S2/S3	1	BP50	4														ID					
			6		<0.001													ID	0.099			
			8		<0.005													ID	0.036			
			12		<0.02																	

Table 4.9
March 2010 Quarterly Monitoring Report
Historical Data Trends - Carbon Tetrachloride (CTC)

Plume Label	Pest GTP Acquirer Contaminant Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag				
C1/S1	4	BP60	4	<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						
			6	<0.005	<0.001	<0.005	<0.005										ID	0.011					
			8					<0.02	<0.02								<0.02	ID	0.020				
			10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.121				
			12															ID					
			14		<0.02													<0.003	0.133				
			16															<0.003	0.024				
			18						<0.05									0.013	0.024				
			20			<0.05												ID	0.192				
			22			<0.5			<1									<1	1.000	0.425			
			24															<0.2	ID				
			26				<0.001		<0.001									<0.001	<0.001	0.001			
S2/S3	3	BP61	4	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.007					
			8	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.707				
			12			0.883											<0.001	ID	20.61				
			16			0.005											1.188	ID	57.22				
			20			<0.005											<0.005	ID	42.87				
S3	3	BP62	4	<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	ID	0.001					
			8	<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	ID	0.001					
			12	<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	ID	0.001					
			16	<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	ID	0.001					
N2	4	BP72	3	<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					
			5	<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	ID	0.002				
			9	<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	ID	0.001				
			13															ID	0.001				
			15		<0.001													ID	0.001				
			17															ID	0.004				
			19		<0.001													<0.02	ID	0.001			
			23		<0.001													<0.005	ID	0.005			
C1	3	BP76	4	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002					
			6	<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	ID	0.004				
			8															ID	0.004				
			10	<0.02	<0.001	<0.005	<0.02	<0.02	<0.02									ID	0.025				
			12			<0.05												ID	0.043				
			14			<0.05												<0.005	ID	0.105			
			18			<0.2												<0.2	ID	0.268			
			22			<0.2												<0.2	ID	0.268			
26			<0.001												<0.005	ID	0.003						
C1	4	BP77	4	<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					
			6	<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	ID	0.001				
			10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ID	0.008				
			12															<0.02	ID	0.008			
			14			<0.02												<0.02	ID	0.023			
			18			<0.05												<0.005	ID	0.023			
			20															<0.02	ID	0.001			
			22			<0.2			<1		<1							<1	ID	0.004			
			26			<0.001												<1	ID	0.001			
			28			<0.001			<0.001		<0.001		<0.001					<0.001	ID	0.001			
			N4/N5	1	BP80	6		0.013		0.036		0.064							0.012	ID	0.070		
						15						13.9		25.9						2.19	ID	13.94	
18										28		11.5					156	ID	22.70				
24						0.303		0.618		0.944							0.23	ID	0.365				
30						<0.2		0.939		1.13							<0.2	ID	0.428				
-	NA	BP85	5		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
			9		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	<0.001	ID	0.001				
			12		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	<0.001	ID	0.001				
			18		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	<0.001	ID	0.001				
			24		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	<0.001	ID	0.001				
			36		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	<0.001	ID	0.001				
			N1	NA	BP86	3		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	ID	0.001			
						6		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001		
9		<0.001					<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
12		<0.005					<0.005		<0.005		<0.005		<0.005		<0.005	<0.005	ID	0.002					
15		<0.001					<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
-	NA	BP87	6		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	ID	0.001						
			9		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
			12														<0.001	ID	0.001				
			15		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
			18		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
			21														<0.001	ID	0.001				
			24														<0.001	ID	0.001				
			27														<0.001	ID	0.001				
30														<0.001	ID	0.001							
N1/N2	3	BP89	6	<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					
			12		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	<0.001	ID	0.001					
			18		<0.005		<																

Table 4.9
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - Carbon Tetrachloride (CTC)

Plume Label	Pest GTP Aquifer Contamina nt Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
N1/N2	3	BP116	6		<0.001											ID	0.001		
			9		<0.001											ID	0.001		
			15		<0.001											ID	0.001		
			21		<0.001											ID	0.001		
			24		<0.001											ID	0.001		
			30		<0.001											ID	0.001		
			36		<0.001											ID	0.001		
	1	MWC10S	(6-9)		<0.001								<0.001			ID	0.001		
	1	MWC10I	(8-12)		<0.001								<0.001			ID	0.001		
	1	MWC10D	(18-21)		<0.001								<0.001			ID	0.001		
S2/S3C1	3	MWF15S	(6-7)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001		
S2/S3C1	3	MWF15I	(11.5-14.5)	5.56	8.17	7.62	<0.001	10.1	12.1	12.6	12.3	10.9	4.83	3.79	4.9	0.001	7.426		
S2/S3C1	3	MWF15D	(22-25)	<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		
S3	3	WG23S	(4-6)	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.005	<0.005	<0.005	0.004	0.005		
	4	WG30	(4-7)		<0.001				<0.001							ID	0.001		
N4	3	WG68I	(10.5-13.5)	0.007	<0.001				<0.001							ID	1.674		
N4	3	WG68D	(26-29)	<0.001	<0.001				<0.001							ID	0.045		
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.001		
N1	3	WG72I	(21-24)		<0.001				<0.001							ID	0.001		
N1	3	WG72D	(28-32)		<0.001				<0.001							ID	0.001		
C1/S1	4	WG74S	(4-7)		<0.001				<0.001							ID	0.330		
C1/S1	4	WG74I	(14-17)		7.53								8.46			ID	13.03		
C1/S1	4	WG74D	(27-30)		<0.001				<0.001				0.006			ID	0.004		
S3	3	WG75I	(12-15)	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001							ID	0.042		
N1	3	WG76S	(4-7)		<0.001											ID	0.001		
N1	3	WG76D	(27-30)		<0.001											ID	0.001		
N2/N3	4	WG68I	(12-15)		<0.001				<0.001				<0.001			ID	0.001		
St/C1	4	WG154S	(4-7)	<0.005	<0.005	<0.02	<0.001	<0.02	<0.005	<0.05	<0.05	<0.005	<0.02	<0.05	<0.2	0.001	0.138	DL	
St/C1	4	WG154D	(17-20)		0.380		0.192		0.084				<0.2	1.1	<0.05	0.500	2.545		
S2/S3	1	WG224S	(1-4)						0.202				2.33			ID	1.266		
St/S2	1	WG225S	(1-4)		<0.001				<0.001				<0.001			ID	0.001		
St/C1	3	WG226S	(1-4)						<0.001				<0.001			ID	0.001		
N4	3	WG227S	(1-4)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229I	(19-22)						<0.001				<0.001			ID	0.001		
N1	3	WG229D	(26.5-29.5)						<0.001				<0.001			ID	0.001		
N1	3	WG230S	(8-11)						<0.001				<0.001			ID	0.001		
N1	3	WG230I	(18-21)						<0.001				<0.001			ID	0.001		
N1	3	WG230D	(30-33)						<0.001				<0.001			ID	0.001		
N1	3	WG231S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG231I	(16-19)						<0.001				<0.001			ID	0.001		
N1	3	WG231D	(28-31)						<0.001				<0.001			ID	0.001		
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N2/N3	3	WG233I	(19-22)						<0.001				<0.001			ID	0.001		
N2/N3	3	WG233D	(29-32)						<0.001				<0.001			ID	0.001		
N3	3	WG234S	(6-9)			<0.05	<0.005	<0.005	<0.005	<0.02	<0.005	<0.001	<0.005	<0.001	<0.005	0.001	0.013	DL	
N3	3	WG234I	(15.5-18.5)						<0.02				<0.005			ID	0.013		
N3	3	WG234D	(25-28)						<0.02				<0.02			ID	0.020		

Note: All concentrations are mg/L.
 Note: Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note: Historical data from 1994/95 to March 2007 not shown.
 Note: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 * May 2004 Data is Reported in the March 2004 Column for BP59
 Bldk Blocked
 Possibly anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date

Table 4.10
March 2010 Quarterly Monitoring Report
Historical Data Trends - Chloroform (CFM)

Plume Label	Post GTP Aquifer Contaminant Zone	Well/ Piezometer ID	Sample Depths (m)	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
N1/N2	3	BP116	6		<0.001											ID	0.001		
			9		<0.001											ID	0.001		
			15		<0.001											ID	0.001		
			21		<0.001											ID	0.001		
			24		<0.001											ID	0.001		
			30		<0.001											ID	0.001		
			36		<0.001											ID	0.001		
-	1	MWC10S	(6-9)		<0.001								<0.001			ID	0.001		
-	1	MWC10I	(9-13)		<0.001								<0.001			ID	0.001		
-	1	MWC10D	(18-21)		<0.001								<0.001			ID	0.001		
-	1	MWC12D	(12-15)		<0.001				<0.001				<0.001			ID	0.001		
S2/S3/C1	3	MWF15S	(4-7)	<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		
S2/S3/C1	3	MWF15I	(11.5-14.5)	13.8	25	27.5	0.005	26.8	31.1	30.2	26	27.8	18	27.3	32.4	24.74	24.55		MAX
S2/S3/C1	3	MWF15D	(22-25)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	0.002		
S3	3	WG23S	(4-6)	0.026	0.009	0.037	<0.001	<0.001	<0.005	0.047	0.018	<0.001	0.023	0.05	0.048	0.022	0.005		
N4	1	WG33I	(4-7)		<0.001				<0.001							ID	0.005		
N4	3	WG88I	(10.5-13.5)	0.008	<0.001				<0.001							ID	0.492		
N4	3	WG88D	(26-29)	<0.001	<0.001				<0.001							ID	0.018		
N1	3	WG72S	(15-18)		<0.001				<0.001							ID	0.001		
N1	3	WG72I	(21-24)		<0.001				<0.001							ID	0.001		
N1	3	WG72D	(29-32)		<0.001				<0.001							ID	0.001		
C1/S1	4	WG74S	(4-7)		0.003											ID	0.612		
C1/S1	4	WG74I	(14-17)		6.35											ID	4.317		
C1/S1	4	WG74D	(27-30)		0.002											ID	0.010		
S3	3	WG75I	(12-15)	0.089	0.040	0.041	0.032	0.022	0.02							ID	0.208		
N1	3	WG75S	(4-7)		<0.001											ID	0.001		
N1	3	WG76D	(27-30)		<0.001											ID	0.001		
N2/N3	4	WG89I	(12-15)		<0.001				<0.001							ID	0.001		
S1/C1	4	WG154S	(4-7)	1.770	1.67	2.61	0.455	2.27	1.86	2.15	2.02	0.534	1.73	1.22	1.27	1.376	3.536		
S1/C1	4	WG154D	(17-20)		11.6		12		1.59			7.94	8.14	7.59	9.66	7.890	9.985		
S2/S3	1	WG224S	(1-4)						0.45				6.04			ID	3.245		
S1/S2	1	WG225S	(1-4)						<0.001				<0.001			ID	0.001		
S1/C1	3	WG226S	(1-4)						0.002				<0.001			ID	0.002		
N4	3	WG227S	(1-4)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG229I	(19-22)						<0.001							ID	0.001		
N1	3	WG229D	(26.5-29.5)						<0.001							ID	0.001		
N1	3	WG230S	(8-11)													ID			
N1	3	WG230I	(18-21)						<0.001							ID			
N1	3	WG230D	(30-33)						<0.001							ID			
N1	3	WG231S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N1	3	WG231I	(16-19)						<0.001							ID	0.001		
N1	3	WG231D	(28-31)						<0.001							ID	0.001		
N2/N3	3	WG233S	(8-11)						<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001		
N2/N3	3	WG233I	(19-22)						<0.001							ID	0.001		
N2/N3	3	WG233D	(29-32)						<0.001							ID	0.001		
N3	3	WG234S	(5-8)			1.84	0.006	0.01	0.009	0.191	0.01	0.002	0.01	0.003	<0.005	0.006	0.235		DL
N3	3	WG234I	(15.5-18.5)						<0.02							ID	0.011		
N3	3	WG234D	(25-28)						0.347							ID	0.684		

Note: All concentrations in mg/L
 Note : Values shown in trend columns indicate the yearly and long term historical average concentrations
 Note : Historical data from 1994/95 to March 2007 not shown.
 Note: Blanks are intentional and were not part of the GTP monitoring program
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <100% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 * May 2004 Data is Reported in the March 2004 Column for BPS9
 Possibility anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date
 Blkd Blocked

Table 5.2
March 2010 Quarterly Monitoring Report
Historical Data Trends - Trichloroethene (TCE)

Location	Tide	Depth	15-Jun-07	13-Sep-07	31-Jan-08	13-Mar-08	4-Jun-08	8-Sep-08	8-Dec-08	5-Mar-09	1-Jun-09	1-Sep-09	1-Dec-09	17-Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag		
BP01		0.75	<0.001	<0.001	0.001	0.002	<0.001	<0.001	<0.001	0.001	<0.001	0.012	0.03	5.5	0.011	0.016		MAX		
		1.25	0.005	0.106	<0.001	0.003	0.002	<0.001	<0.001	<0.001	0.059	0.006	0.001	0.003	0.017	0.016		MAX		
		2	0.002	0.015	0.496	0.004	0.002	4.93	19.2	0.005	0.027	0.009	0.114	25.5	0.039	0.010		MAX		
		6	1.690	1.87	24.100	0.462	0.78	5.2	40.5	29	26.8	23.6	24.3		25.93	14.20				
		8														ID	ID			
		10	37.60	35	43.80	29.2	23	35.9	36	24.8	42.4	25.4	25.4		35.5	38.75				
		14														ID	0.562			
		18														ID	0.054			
BP42	H	0.1		0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.024	0.002	0.007	<0.001		0.183				
		0.25														ID	0.079			
		0.5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.067	0.001	0.011	0.001		0.329			
		1														ID	0.029			
BP42	L	0.1	<0.001	<0.001	<0.001	0.002	0.011	0.002	<0.001	0.003	<0.001	0.017	0.045	0.017	<0.001	0.006	0.038			
		0.25														ID	0.267			
		0.5	<0.001	0.004	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.06	0.002	0.004	0.004		0.017	0.126			
		1														ID	0.024			
BP43	H	0.1		0.002	0.046	<0.001	0.008	0.016	<0.001	0.001	<0.001	0.033	0.039	0.013		0.019	0.315			
		0.25														ID	0.159			
		0.5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.002		0.092	0.268		
		1		<0.001	0.032	0.039	0.068	0.034	Blkd	Blkd							ID	0.328		
BP43	L	0.1	<0.001	0.002	<0.001	0.006	<0.001	0.007	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.019			
		0.25														ID	0.114			
		0.5	<0.001	0.003	<0.001	0.016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.067			
		1														ID	0.141			
BP44	H	0.1		Blkd	0.174	0.028	0.033	0.044	0.022	Blkd	Blkd					ID	0.307			
		0.25														ID	0.002			
		0.5		<0.001	<0.001	<0.001	<0.001									ID	0.019			
		1														ID	0.005			
BP44	L	0.1	<0.001	<0.001	0.014	6.31	3.72									ID	3.113			
		0.25														ID	0.005			
		0.5	<0.001	0.002	0.001	<0.001	<0.001									ID	0.034			
		1														ID	0.008			
BP64	H	0.1		4.83	6.81	8.52	5.11	3.89								ID	0.025			
		0.25														ID	3.315			
		0.5		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.026	<0.001	0.007	0.083				
		1													ID	0.012				
BP64	L	0.1	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.034	<0.001	0.009	0.029				
		0.25													ID	0.115				
		0.5	<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	0.002				
		1													ID	0.002				
BP65	H	0.1	<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	0.003				
		0.25													ID	0.001				
		0.5	0.015	6.031	6.04	0.028	0.012	0.005	0.001	0.019	<0.001	0.001	0.002	0.002	0.006	0.133				
		1		0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.02	<0.001	0.008	0.002			
BP65	L	0.1		<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	<0.001	0.051	<0.001	0.014	0.005				
		0.25													ID	0.002				
		0.5	<0.001	<0.001	<0.001	0.001	<0.001	0.004	<0.001	<0.001	0.003	<0.001	0.019	<0.001	0.009	0.002				
		1													ID	0.005				
BP66	H	0.1		0.013	<0.001	0.604	<0.001	<0.001	0.014	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001				
		0.25													ID	0.001				
		0.5		<0.001	<0.001	<0.001	<0.001								ID	0.001				
		1													ID	0.001				
BP66	L	0.1	<0.001	<0.001	0.004	<0.001	<0.001								ID	0.001				
		0.25													ID	0.001				
		0.5	<0.001	<0.001	0.004	<0.001	<0.001								ID	0.001				
		1													ID	0.001				
BP71A		0.1		0.036	<0.001	<0.001	<0.001	<0.001							ID	0.003				
		0.25													ID	0.003				
		0.5	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.041	<0.001					ID	0.001				
		1													ID	0.002				
BP71A		2												ID	0.001					
		4	<0.001	<0.001	<0.001		<0.001							ID	0.001					

Note : Values shown in trend columns indicate the yearly and long term historical average concentration
BP44 and BP66 decommissioned August 2008 as part of Port Botany expansion works.
Concentration of last event <80% of previous event or historical average
Concentration of last event >80% and <120% of previous event or historical average
Concentration of last event >120% of previous event or historical average
NA Not Applicable
ID Insufficient Data
NS Not sampled
Possible anomalous data
DL Detection limit for current sampling period is greater than previous reported value or detection limit
MAX Reported concentration in current monitoring period is the maximum value reported to date
Blkd Blocked
* BP43 reinstalled 19/06/06

Table 5.3
March 2010 Quarterly Monitoring Report
Historical Data Trends - Vinyl Chloride (VC)

Location	Tide	Depth	15-Jun-07	13-Sep-07	31-Jan-08	13-Mar-08	4-Jun-08	8-Sep-08	8-Dec-08	5-Mar-09	1-Jun-09	1-Sep-09	1-Dec-09	17-Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag	
BP01		0.75	0.150	0.090	<0.001	0.03	0.007	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	2.06	0.002	0.029			
		1.25	<0.01	0.240	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.010	0.094		MAX
		2	0.250	<0.01	4.170	<0.01	<0.01	2.73	2.5	<0.01	<0.01	<0.01	0.08	1.7	0.098	0.029			
		8	2.020	1.9	12.200	0.3	0.07	2.56	2.13	<0.01	1.3	0.75	<0.2	<0.2	<0.2	1.538	2.072		
		10	2.41	1.53	3.12	1.14	0.33	0.96	0.94	1.97	0.53	0.39	<0.2	<0.2	<0.2	0.773	1.589		
		14														ID	0.999		
BP42	H	0.1		<0.001	<0.001	<0.001	<0.001	0.02	<0.001	<0.001	0.11	<0.001	0.28	<0.001	0.198	0.225			
		0.25													ID	1.155			
		1		<0.01	0.070	<0.01	<0.01	<0.01	<0.01	0.03	0.31	<0.01	0.5	0.02	0.213	0.530			
		2		0.07	0.080	0.11	0.57	0.14	<0.01	<0.01	0.54	0.47	1.46	2.6	0.020	1.390			
BP42	L	0.1	<0.001	<0.001	<0.001	0.002	<0.001	0.044	<0.001	<0.001	0.2	<0.001	0.17	<0.001	0.093	0.279			
		0.25													ID	1.612			
		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.28	<0.01	0.22	0.06	0.183	0.265			
		2	0.58	0.09	<0.01	0.17	0.02	0.07	<0.01	<0.01	0.48	0.68	1.31	2.92	0.020	1.425			
BP43	H	0.1		0.007	<0.001	0.02	5.52	<0.001	0.16	<0.001	<0.001	<0.001	<0.001	<0.001	0.041	0.820			
		0.25													ID	0.860			
		1		1.68	0.03	<0.01	<0.01	0.23	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	0.020	0.165			
		2		0.02	17.5	11.9	2.5	5.65	Blkd	Blkd					ID	3.489			
BP43	L	0.1	0.05	0.46	0.002	0.002	0.035	3.35	<0.001	0.36	<0.001	<0.001	<0.001	<0.001	0.091	0.450			
		0.25													ID	0.450			
		1	0.5	0.2	1.44	0.050	<0.01	<0.01	0.52	<0.01	0.04	<0.01	<0.01	<0.01	0.018	1.537			
		2		Blkd	32.2	11.4	12.9	2.58	4.41	Blkd	Blkd				ID	5.382			
BP44	H	0.1		0.06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.027			
		0.25													ID	0.010			
		1		<0.01	0.14	<0.01	<0.01								ID	0.036			
		2			5.61	7.9	4.78	1.65							ID	0.011			
BP44	L	0.1	<0.001	0.12	0.008	<0.001	<0.001							ID	0.018				
		0.25													ID	0.010			
		1	<0.01	0.17	0.05	<0.01	<0.01								ID	0.059			
		2	2.39	4.79	9.14	4.03	1.34								ID	2.509			
BP64	H	0.1		<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.008			
		0.25													ID	0.039			
		1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.010	0.010			
		2		0.23	0.21	0.11	0.03	<0.01	0.1	0.67	0.06	<0.01	<0.01	<0.01	ID	0.185	0.323		
BP64	L	0.1	<0.001	<0.001	0.013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.010			
		0.25													ID	0.016			
		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ID	0.011			
		2	<0.01	0.24	0.300	0.1	0.04	0.15	0.13	0.6	0.02	<0.01	<0.01	<0.01	ID	0.160	0.394		
BP65	H	0.1		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
		0.25													ID	0.023			
		1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ID	0.016	0.010		
		2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ID	0.010	0.010		
BP65	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.061			
		0.25		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ID	0.016			
		1	<0.01	<0.01	<0.01	<0.01	<0.01	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ID	0.010	0.010		
		2	<0.01	<0.001	<0.001	<0.001	<0.001								ID	0.007			
BP66	H	0.1		<0.01	<0.01	<0.01	<0.01								ID	0.010			
		0.25													ID	0.010			
		1		<0.01	<0.01	<0.01	<0.01								ID	0.010			
		2		<0.01	<0.01	<0.01	<0.01								ID	0.010			
BP66	L	0.1	<0.001	<0.001	0.002	<0.001	<0.001								ID	0.006			
		0.25													ID	0.010			
		1	<0.01	<0.01	<0.01	<0.01	<0.01								ID	0.033			
		2	<0.01	<0.01	<0.01	<0.01	<0.01								ID	0.010			
BP71A		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.02	<0.001					ID	0.008			
		2													ID	0.018			
		3													ID	0.010			
		4	<0.01	<0.01	<0.01		<0.01								ID	0.010			

Note : Values shown in trend columns indicate the yearly and long term historical average concentration
BP44 and BP66 decommissioned August 2008 as part of Port Botany expansion works.
Concentration of last event <80% of previous event or historical average
Concentration of last event >80% and <120% of previous event or historical average
Concentration of last event >120% of previous event or historical average
NA Not Applicable
ID Insufficient Data
NS Not sampled
Possible anomalous data
DL Detection limit for current sampling period is greater than previous reported value or detection limit
MAX Reported concentration in current monitoring period is the maximum value reported to date
Blkd Blocked
* BP43 reinstalled 19/06/006

Table 5.4
 March 2010 Quarterly Monitoring Report
 Historical Data Trends - 1,2-Dichloroethane (EDC)

Location	Tide	Depth	15-Jun-07	13-Sep-07	31-Jan-08	13-Mar-08	4-Jun-08	8-Sep-08	8-Dec-08	5-Mar-09	1-Jun-09	1-Sep-09	1-Dec-09	17-Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag
BP01		0.75	0.013	<0.001	0.001	0.004	<0.001	<0.001	0.008	<0.001	0.002	0.051	0.004	22.5	0.016	0.028		MAX
		1.25	0.046	0.052	0.001	0.046	0.026	<0.001	<0.001	<0.001	0.26	0.038	<0.001	0.028	0.075	0.071		
		2	0.022	0.032	6.390	0.03	<0.001	21.2	27	0.003	0.02	0.005	0.291	23.8	0.089	0.086		
		8	6.610	4.2	30.900	3.3	1.97	22.1	30	24.5	26.2	20	18.6	21.9	8.310	10.32		
		10	9.51	8.98	10.800	10.6	6.88	7.59	8.29	11.7	9.46	6.86	5.22	11.1	8.310	10.32		
BP42	H	0.1		0.001	0.003	0.003	<0.001	<0.001	<0.001	0.001	0.344	0.003	0.315	0.004	0.166	0.305		
		0.25		<0.001	0.008	0.005	<0.001	<0.001	<0.001	0.009	0.613	<0.001	0.438	0.047	0.255	0.419		
		1	2	0.051	0.012	0.017	0.111	0.034	0.002	0.001	0.2	0.288	1.36	0.915	0.462	0.537		
		0.25	1	<0.001	<0.001	0.014	<0.001	0.007	<0.001	<0.001	0.521	0.005	0.185	0.003	0.178	0.276		
		0.5	1	<0.001	0.012	0.003	0.002	0.002	<0.001	<0.001	0.005	0.599	0.001	0.246	0.079	0.293	0.215	
BP43	H	0.1	2	0.117	0.035	<0.001	0.035	0.02	0.019	0.002	0.001	0.22	0.492	1.64	1.02	0.588	0.491	
		0.25	1	0.009	0.017	0.004	0.005	0.648	<0.001	0.003	0.004	<0.001	0.004	0.013	0.092	0.159		
		0.5	1	0.05	0.004	<0.001	<0.001	0.023	<0.001	0.004	0.001	<0.001	<0.001	0.007	0.002	0.115		
		1	2	0.005	2.68	2.78	3.2	2.68	Blkd	Blkd	<0.001	0.002	0.006	0.018	0.002	0.002	2.865	
		0.25	1	0.008	0.016	0.004	0.013	0.007	0.64	<0.001	0.004	<0.001	0.002	0.006	0.018	0.002	0.002	2.865
BP44	H	0.1	Blkd	4.23	2.60	2.77	2.75	2.02	Blkd	Blkd	0.002	0.002	<0.001	0.009	0.002	0.002	1.099	
		0.25	1	0.001	<0.001	0.012	<0.001											
		0.5	1	<0.001	0.001	0.013	<0.001											
		1	2	8.56	7.93	8.5	4.99											
		0.25	1	<0.001	0.010	0.001	<0.001	<0.001										
BP64	H	0.1	5.49	8.000	8.180	8.01	5.92											
		0.25	1	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.062	<0.001	0.016	0.010		
		0.5	1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.073	<0.001	0.013	0.134		
		1	2	0.482	0.319	0.248	0.096	<0.001	0.024	0.427	0.086	0.01	0.136	0.052	0.165	1.168		
		0.25	1	<0.001	<0.001	0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.011	
BP65	H	0.1	<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	0.022		
		0.25	1	0.031	0.431	0.361	0.277	0.218	0.133	0.017	0.434	0.067	0.019	0.052	0.11	0.143	0.940	
		0.5	1	0.006	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.038	<0.001	0.011	0.156
		1	2	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.088	<0.001	0.023	0.104	0.095	
		0.25	1	0.032	0.009	0.014	0.015	0.026	0.008	0.006	0.009	<0.001	0.015	0.005	0.005	0.008	0.033	
BP66	L	0.1	0.002	0.005	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	<0.001	0.537	
		0.25	1	<0.001	0.004	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.067	
		0.5	1	0.067	0.034	0.011	0.007	0.012	0.014	0.006	0.005	0.002	<0.001	<0.001	0.002	0.022	0.154	
		1	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.008	
		0.25	1	<0.001	<0.001	0.001	<0.001											
BP71A	L	0.1	<0.001	<0.001	0.014	<0.001	<0.001											
		0.25	1	0.001	0.001	0.012	0.001	<0.001										
		0.5	1	0.085	0.002	0.011	<0.001	<0.001										
		1	2	<0.001	<0.001	0.036	0.004	<0.001	<0.001	<0.001	0.177	<0.001						
		0.25	1	0.016	0.027	<0.001												

Note : Values shown in trend columns indicate the yearly and long term historical average concentration
 BP44 and BP66 decommissioned August 2008 as part of Port Botany expansion works.

Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 Possible anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date
 Blkd Blocked
 * BP43 reinstalled 19/06/06

Table 5.5
March 2010 Quarterly Monitoring Report
Historical Data Trends - Chloroform (CFM)

Location	Tide	Depth	15-Jun-07	13-Sep-07	31-Jan-08	13-Mar-08	4-Jun-08	8-Sep-08	8-Dec-08	5-Mar-09	1-Jun-09	1-Sep-09	1-Dec-09	17-Mar-10	Trend Against Previous Year	Trend Against Historical Average	DL Flag	Max Flag	
BP01		0.75	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	0.001	4.86	0.003	0.010		MAX	
		1.25	0.003	0.031	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.039	0.004	<0.001	0.003	0.011	0.006		
		2	<0.001	0.003	0.786	0.004	<0.001	1.67	6.28	0.001	0.005	0.001	0.035	7.26	0.003	0.006			
		8	0.451	0.384	5.240	0.166	0.069	1.51	8.49	6.02	5.24	4.48	3.54		4.520	4.507			
		10	5.42	4.62	3.40	5.19	2.98	2.97	3.15	5.8	3.19	2.5	2.32	2.3		3.453	11.52		
		14														ID	0.113		
		18														ID	0.040		
		0.1		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.033	<0.001	0.008	<0.001	ID	0.211		0.058
		0.25			<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.062	<0.001	0.023	0.002	ID	0.491		
		1	2	0.006	0.004	0.01	0.011	0.005	0.002	0.002	0.014	0.045	0.071	0.1	0.1	0.043	2.216		
		BP42	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID		0.014
0.25															ID	0.538			
1	<0.001			0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.059	<0.001	0.01	0.009	ID	0.776			
BP43	H	0.1	0.019	0.018	<0.001	0.011	0.01	0.004	0.002	0.002	0.017	0.086	0.078	0.134	0.046	2.002			
		0.25													ID	0.001	0.005		
		1	<0.001	0.001	<0.001	0.001	<0.001	0.035	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.044			
BP43	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.035		
		0.25													ID	0.016			
		1	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	ID	0.001	0.016		
BP43	H	0.1	<0.001	<0.001	0.213	0.262	0.207	0.192	Blkd	Blkd					ID	0.001	0.087		
		0.25													ID	0.016			
		1	<0.001	0.002	<0.001	<0.001	<0.001	0.036	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.016		
BP44	H	0.1	Blkd	0.408	0.162	0.232	0.216	0.128	Blkd	Blkd					ID	0.115			
		0.25													ID	0.005			
		1	<0.001	<0.001	0.001	<0.001									ID	0.002			
BP44	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.007			
		0.25													ID	0.007			
		1	0.045	0.098	0.052	0.048	0.032								ID	0.019			
BP64	H	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.012	<0.001	0.004	0.002			
		0.25													ID	0.007			
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.001	ID	0.010		
BP64	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.012	0.060			
		0.25													ID	0.001	0.002		
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
BP65	H	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
		0.25													ID	0.001	0.001		
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.021	<0.001	ID	0.005	0.001	
BP65	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.002	0.001		
		0.25													ID	0.002	0.001		
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
BP66	H	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
		0.25													ID	0.001	0.001		
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
BP66	L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001	0.001		
		0.25													ID	0.001	0.001		
		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.002	0.001		
BP71A		1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.003			
		2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001			
		3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ID	0.001			
4	<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	ID	0.001				

Note : Values shown in trend columns indicate the yearly and long term historical average concentration
 BP44 and BP66 decommissioned August 2008 as part of Port Botany expansion works.
 Concentration of last event <80% of previous event or historical average
 Concentration of last event >80% and <120% of previous event or historical average
 Concentration of last event >120% of previous event or historical average
 NA Not Applicable
 ID Insufficient Data
 NS Not sampled
 Possible anomalous data
 DL Detection limit for current sampling period is greater than previous reported value or detection limit
 MAX Reported concentration in current monitoring period is the maximum value reported to date
 Blkd Blocked
 * BP43 reinstated 19/06/06

