Table 2
Summary of Groundwater Field Parameters - October 2019

Well ID	Sampling Event	Date Measured	SWL (mbTOC)	BOC (mbTOC)	Dissolved Oxygen (ppm)	Electrical Conductivity (us/cm)	pH	Ox-Red Potential (mV)	Temperature (°C)	Comments
CSM_BH02	Event 13 - Oct 2019	17/10/2019	20.452	33.97	0.98	995	7	-87.5	20.5	Grey brown cloudy, some sediments, no odour/sheen
CSM_BH04	Event 13 - Oct 2019	17/10/2019	21.656	34.276	0.12	844	9.56	-260.2	20.9	Light brown, turbid, no odour/sheen
CSM_BH06	Event 13 - Oct 2019	17/10/2019	20.871	35.404	1.19	963	6.04	69.3	23.5	Light grey, slightly turbid, no odour/sheen
CSM_BH08	Event 13 - Oct 2019	18/10/2019	13.83	35.03	0.21	535	6.4	-44.1	20.8	Clear, no odour/sheen
CSM_BH09S	Event 13 - Oct 2019	16/10/2019	4.051	6.593	1.67	596	5.56	142.3	19.5	Clear, no odour/sheen
CSM_BH10S	Event 13 - Oct 2019	16/10/2019	4.546	9.828	0.57	234.1	5.27	193.9	20.6	Clear to cloudy, no odour/sheen
GASW_BH7	Event 13 - Oct 2019	16/10/2019	3.903	6.197	0.33	427.6	4.11	304.1	19.3	Clear, no odour/sheen
GASW_BH10	Event 13 - Oct 2019	17/10/2019	19.408	25.008	0.27	1218	6.61	-115.6	20.6	Grey, cloudy, no odour/sheen
GASW_BH11	Event 13 - Oct 2019	16/10/2019	4.38	8.05	3.06	285.3	5.46	166.1	20.6	Clear to slightly cloudy, no odour/sheen
GASW_BH23	Event 13 - Oct 2019	16/10/2019	2.685	3.915	0.07	867	7.23	-162	19.6	Grey cloudy, hydrocarbon odour
GASW_BH25a	Event 13 - Oct 2019	16/10/2019	1.342	2.946	0.03	459.9	8.74	-272.8	19.2	Dark grey, with sediments, hydrocarbon odour
SRT_BH047	Event 13 - Oct 2019	18/10/2019	4.333	6.94	1.45	415	7.73	96.5	19.5	Brown, highly turbid, no odour/sheen
SRT_BH052	Event 13 - Oct 2019	18/10/2019	6.162	7.92	5.02	378	7.52	106.7	19.6	Clear, no odour/sheen
SRT_BH059	Event 13 - Oct 2019	18/10/2019	3.082	6	3.93	347.8	7.08	120	19.3	Clear, no odour/sheen
SRT_CBH015	Event 13 - Oct 2019	18/10/2019	4.18	5.91	0.75	185.8	5.2	219.9	20.3	Cloudy, no odour/sheen
SRT_CBH017	Event 13 - Oct 2019	18/10/2019	3.22	4.937	1.1	219.4	6.03	159	20.2	Clear, no odour/sheen

Table 1
Summary of Groundwater Analytical Results - October 2019

					Iron speciation	Inorganics				idity & Alkalir		Major Ions						Nutrients		Metals									BTEXN							
					Ferrous Iron	pH (Lab)	Total Dissolved Solids	Total Suspended Solids	Cyanide (Total)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Bicarbonate as CaCO3)	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Ammonia as N	Nitrate (as N)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Manganese (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (BTEXN)	BTEX (Sum of Total) - Lab Calc
					mg/L	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL					0.05	0.1	10	1	0.005	10	20	0.5	0.5	0.5	0.5	1	5	0.01	0.02	0.001	0.0002	0.001	0.001	0.001	0.005	0.0001	0.001	0.005	1	1	1	1	2	3	10	1
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																				
2-4m																													5000	NL	NL			NL	NL	
4-8m																													5000	NL	NL			NL	NL	
>8m																													5000	NL	NL			NL	NL	
NEPM 2013 Table 1C GILs, Marine Waters									0.004												0.0007	0.0044	0.0013	0.0044		0.0001	0.007	0.015	500						50	
NHMRC Recreational Guidelines 2008 - Health									0.8								5000			0.1	0.02		20	0.1	5	0.01	0.2		10	8000	3000			6000		
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)						7-10			1											1	1	3	5	2	10	0.03	3	5	100	500	1000			1000		
Field_ID	**Location_Code**	**Sampled_Date_Time**	**Sample_Type**	**Lab_Report_Number**																																
CSM_BH02	CSM_BH02	17/10/2019	Normal	683453	1.2	7.9	530	4400	<0.005	<10	290	48	39	5.7	120	500	28	0.06	0.04	0.002	<0.0002	<0.001	0.01	<0.001	0.33	<0.0001	0.028	0.048	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH04	CSM_BH04	17/10/2019	Normal	683453	0.08	9.6	570	290	<0.005	150	240	5.9	8.8	4.8	200	110	34	0.22	0.15	<0.001	<0.0002	<0.001	<0.001	<0.001	0.048	<0.0001	0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH06	CSM_BH06	17/10/2019	Normal	683453	2	7.2	550	91	<0.005	<10	190	39	32	4.9	96	170	21	0.04	<0.02	<0.001	<0.0002	0.003	0.015	<0.001	0.36	<0.0001	0.027	0.14	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH08	CSM_BH08	18/10/2019	Normal	683453	6.2	7.5	330	9.4	<0.005	<10	99	11	15	3.4	75	120	43	0.03	0.02	<0.001	<0.0002	<0.001	<0.001	<0.001	0.3	<0.0001	0.003	0.013	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH09S	CSM_BH09S	16/10/2019	Normal	683453	4	6.7	420	37	<0.005	<10	39	6.1	8	3.5	110	100	200	0.02	0.18	<0.001	<0.0002	<0.001	0.002	<0.001	0.87	<0.0001	0.009	0.04	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH10S	CSM_BH10S	16/10/2019	Normal	683453	0.11	6.5	190	210	<0.005	<10	20	3.5	5.3	2.5	34	70	55	<0.01	1.6	<0.001	<0.0002	<0.001	<0.001	<0.001	0.53	<0.0001	0.002	<0.005	<1	1	<1	<1	<2	<3	<10	-
GASW_BH10	GASW_BH10	17/10/2019	Normal	683453	9	7.4	830	280	<0.005	<10	370	67	47	9.4	130	170	<5	<0.01	<0.02	<0.001	<0.0002	<0.001	<0.001	<0.001	0.38	<0.0001	0.031	0.01	<1	<1	<1	<1	<2	<3	<10	-
GASW_BH11	GASW_BH11	16/10/2019	Normal	683453	1.2	6.5	200	11	<0.005	<10	37	4.5	6.3	1.4	46	74	50	0.04	<0.02	<0.001	<0.0002	<0.001	0.003	<0.001	0.23	<0.0001	0.003	0.011	20	2	<1	<1	<2	<3	<10	-
GASW_BH23	GASW_BH23	16/10/2019	Normal	683453	9.8	7.7	710	25	0.006	<10	190	150	12	11	31	45	330	0.52	<0.02	0.004	<0.0002	<0.001	<0.001	<0.001	0.41	<0.0001	0.001	0.007	2400	290	40	29	44	73	<200	-
GASW_BH25a	GASW_BH25A	16/10/2019	Normal	683453	0.15	8.1	360	37	0.009	<10	110	67	4.4	5.5	28	48	140	0.42	0.03	0.005	<0.0002	<0.001	<0.001	<0.001	0.094	<0.0001	<0.001	<0.005	2700	990	40	50	95	140	<200	-
GASW_BH7	GASW_BH7	16/10/2019	Normal	683453	14	3.6	310	19	<0.005	<10	<20	2.7	4.3	0.5	63	49	160	0.03	<0.02	<0.001	<0.0002	<0.001	0.004	0.003	0.11	<0.0001	0.002	0.033	91	8	<1	1	<2	<3	<10	-
QC01	CSM_BH10S	16/10/2019	Interlab_D	ES1934142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.0001	0.001	<0.005	<1	<2	<2	<2	<2	<2	<5	<1
QC02	CSM_BH04	17/10/2019	Field_D	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	<0.001	<0.001	-	<0.0001	0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-
SRT_BH047	SRT_BH047	18/10/2019	Normal	683453	0.06	7.8	340	68	<0.005	<10	92	50	7.4	0.8	30	34	11	<0.01	15	<0.001	<0.0002	<0.001	0.002	<0.001	<0.005	<0.0001	0.002	<0.005	<1	<1	<1	<1	<2	<3	<10	-
SRT_BH052	SRT_BH052	18/10/2019	Normal	683453	0.07	7.6	280	65	<0.005	<10	78	37	3	1.3	40	39	26	<0.01	5.9	0.002	<0.0002	<0.001	0.002	<0.001	<0.005	<0.0001	0.002	<0.005	<1	<1	<1	<1	<2	<3	<10	-
SRT_BH059	SRT_BH059	18/10/2019	Normal	683453	0.06	8.1	250	4.9	<0.005	<10	170	59	6	5.9	10	22	11	<0.01	2.4	<0.001	<0.0002	<0.001	0.003	<0.001	<0.005	<0.0001	<0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-
SRT_CBH015	SRT_CBH015	18/10/2019	Normal	683453	0.07	6.3	150	10	<0.005	<10	23	2.8	5.3	3.5	19	15	39	<0.01	3	<0.001	<0.0002	<0.001	0.001	<0.001	6.8	<0.0001	0.012	0.023	<1	<1	<1	<1	<2	<3	<10	-
SRT_CBH017	SRT_CBH017	18/10/2019	Normal	683453	0.09	7.1	150	2.3	<0.005	<10	63	11	9.1	3.2	21	15	32	<0.01	0.33	<0.001	<0.0002	<0.001	0.017	0.001	0.6	<0.0001	0.016	0.069	<1	<1	<1	<1	<2	<3	<10	-

Table 1
Summary of Groundwater Analytical Results - October 2019

					TRH - NEPM 2013							NEPM 2013 - SG Cle			TRH - NEPM 1999					RH - NEPM 1999 - SG Cleanu				PAHs																			
					F1 (C6-C10 minus BTEX)	C6-C10 Fraction	F2 (>C10-C16 minus Naphthalene)	>C10-C16 Fraction	F3 (>C16-C34 Fraction)	F4 (>C34-C40 Fraction)	>C10-C40 (Sum of Total)	>C10-C16 SG Cleanup	>C16-C34 SG Cleanup	>C34-C40 SG Cleanup	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 (Sum of Total)	C10-C14 SG Cleanup	C15-C28 SG Cleanup	C29-C36 SG Cleanup	C10-C36 (sum) SG Cleanup	Sum of polycyclic aromatic hydrocarbons	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo[b+j]fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene-PAH	Phenanthrene	Pyrene	PAHs (Sum of total) - Lab calc	Total 8 PAHs (as BaP TEQ)(zero LOR) - Lab Calc
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL					20	20	50	50	100	100	100	50	100	100	20	50	100	100	100	50	100	100	100	0.0005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																											
2-4m					6000		NL																																NL				
4-8m					6000		NL																																NL				
>8m					7000		NL																																NL				
NEPM 2013 Table 1C GILs, Marine Waters																																							50				
NHMRC Recreational Guidelines 2008 - Health																													0.1														
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																																										5000	
Field_ID	**Location_Code**	**Sampled_Date_Time**	**Sample_Type**	**Lab_Report_Number**																																							
CSM_BH02	CSM_BH02	17/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
CSM_BH04	CSM_BH04	17/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
CSM_BH06	CSM_BH06	17/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
CSM_BH08	CSM_BH08	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
CSM_BH09S	CSM_BH09S	16/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
CSM_BH10S	CSM_BH10S	16/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
GASW_BH10	GASW_BH10	17/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
GASW_BH11	GASW_BH11	16/10/2019	Normal	683453	<20	40	210	210	<100	<100	210	<50	<100	<100	30	120	<100	<100	120	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
GASW_BH23	GASW_BH23	16/10/2019	Normal	683453	4000	6800	<50	<50	<100	<100	<100	<50	<100	<100	6800	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1	4	-
GASW_BH25a	GASW_BH25A	16/10/2019	Normal	683453	5000	8900	<200	90	<100	<100	<100	<50	<100	<100	8900	80	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	2	-
GASW_BH7	GASW_BH7	16/10/2019	Normal	683453	80	180	810	810	400	<100	1210	190	<100	<100	150	470	800	<100	1270	130	<100	<100	130	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
QC01	CSM_BH10S	16/10/2019	Interlab_D	ES1934142	<20	<20	<100	<100	<100	<100	<100	-	-	-	<20	<50	<100	<50	<50	-	-	-	-	<0.0005	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<0.5
QC02	CSM_BH04	17/10/2019	Field_D	683453	<20	<20	<50	<50	<100	<100	<100	-	-	-	<20	100	<100	<100	100	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
SRT_BH047	SRT_BH047	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
SRT_BH052	SRT_BH052	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
SRT_BH059	SRT_BH059	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
SRT_CBH015	SRT_CBH015	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
SRT_CBH017	SRT_CBH017	18/10/2019	Normal	683453	<20	<20	<50	<50	<100	<100	<100	<50	<100	<100	<20	<50	<100	<100	<100	<50	<100	<100	<100	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-

Table 1
Summary of Groundwater Analytical Results - October 2019

					Phenols																			OC Pesticides																									
					3,4-Methylphenol (m,p-cresol)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-dichlorophenol	2-chlorophenol	2-methylphenol	2-nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-nitrophenol	Pentachlorophenol	Phenol	tetrachlorophenols	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4'-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	4,4 DDD	4,4 DDT	DDT+DDE+DDD - Lab Calc	Dieldrin	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL					6	10	10	3	3	30	3	3	3	10	30	100	10	30	10	3	30	10	100	1	1	0.1	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																																	
2-4m																																																	
4-8m																																																	
>8m																																																	
NEPM 2013 Table 1C GILs, Marine Waters																			11	400																			0.004									
NHMRC Recreational Guidelines 2008 - Health							200	2000				3000							100										3					90									100	3			3000	
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																																																	
Field_ID	**Location_Code**	**Sampled_Date_Time**	**Sample_Type**	**Lab_Report_Number**																																													
CSM_BH02	CSM_BH02	17/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
CSM_BH04	CSM_BH04	17/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
CSM_BH06	CSM_BH06	17/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
CSM_BH08	CSM_BH08	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
CSM_BH09S	CSM_BH09S	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
CSM_BH10S	CSM_BH10S	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
GASW_BH10	GASW_BH10	17/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GASW_BH11	GASW_BH11	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GASW_BH23	GASW_BH23	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	22	<30	<10	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GASW_BH25a	GASW_BH25A	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	5	<10	<30	<100	<10	<30	<10	11	<30	<10	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GASW_BH7	GASW_BH7	16/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	5	<30	<10	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC01	CSM_BH10S	16/10/2019	Interlab_D	ES1934142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	CSM_BH04	17/10/2019	Field_D	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SRT_BH047	SRT_BH047	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
SRT_BH052	SRT_BH052	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
SRT_BH059	SRT_BH059	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
SRT_CBH015	SRT_CBH015	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10
SRT_CBH017	SRT_CBH017	18/10/2019	Normal	683453	<6	<10	<10	<3	<3	<30	<3	<3	<3	<10	<30	<100	<10	<30	<10	<3	<30	<10	<100	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<10

Table 1
Summary of Groundwater Analytical Results - October 2019

					OP Pesticides																																	PCBs								Herbicides
					Tokuthion	Azinphos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Total)	Dinoseb
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL					2	2	2	2	20	2	20	2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	20	2	2	2	2	2	1	1	1	1	1	1	1	1	100
NEPM 2013 Table 1A(4) HSL D Comm/Ind GW for Vapour Intrusion, Sand																																															
2-4m																																															
4-8m																																															
>8m																																															
NEPM 2013 Table 1C GILs, Marine Waters									0.009																																						
NHMRC Recreational Guidelines 2008 - Health						300	100		100					40	50	70	40		40	10	70	100	70	700		7	50	20		10	200		900	200		9		1000									
Sydney Water Trade Waste Acceptance Standards 2018-19 (non-domestic)																																															
Field_ID	**Location_Code**	**Sampled_Date_Time**	**Sample_Type**	**Lab_Report_Number**																																									
CSM_BH02	CSM_BH02	17/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
CSM_BH04	CSM_BH04	17/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
CSM_BH06	CSM_BH06	17/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
CSM_BH08	CSM_BH08	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
CSM_BH09S	CSM_BH09S	16/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
CSM_BH10S	CSM_BH10S	16/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
GASW_BH10	GASW_BH10	17/10/2019	Normal	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100
GASW_BH11	GASW_BH11	16/10/2019	Normal	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100
GASW_BH23	GASW_BH23	16/10/2019	Normal	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100
GASW_BH25a	GASW_BH25A	16/10/2019	Normal	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100
GASW_BH7	GASW_BH7	16/10/2019	Normal	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100
QC01	CSM_BH10S	16/10/2019	Interlab_D	ES1934142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02	CSM_BH04	17/10/2019	Field_D	683453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SRT_BH047	SRT_BH047	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH052	SRT_BH052	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_BH059	SRT_BH059	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_CBH015	SRT_CBH015	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100
SRT_CBH017	SRT_CBH017	18/10/2019	Normal	683453	<2	<2	<2	<2	<20	<2	<20	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<100