



Table 1
Summary of Groundwater Analytical Results - January 2020

	Iron speciation	Inorganics				Hardity & Alkalinity		Major Ions						Nutrients		Metals								BTEXN															
		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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L							
EQL	0.05	0.1	10	1	0.004	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										
Location_Code	Field_ID	Sampled_Date	TI	Sample_Type	Lab_Report_Number																																		
CSM_BH02	CSM_BH02	21/01/2020		Normal	698379	1.3	4.8	560	2200	<0.004	<10	320	41	37	11	120	180	28	0.02	<0.02	0.002	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	0.26	<0.0001	0.027	0.01	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH04	CSM_BH04	21/01/2020		Normal	698379	8.2	6.3	310	880	<0.004	<10	100	180	190	170	230	95	44	0.02	<0.02	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	0.37	<0.0001	0.007	0.041	<1	<1	<1	<1	<2	<3	<10	-
CSM_BH04	QC02	21/01/2020		Field_D	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.001	-	<0.0001	0.008	0.041	<1	<1	<1	<1	<2	<3	<10	-	
CSM_BH08	CSM_BH08	21/01/2020		Normal	698379	5.6	6.4	260	10	<0.004	<10	110	9.5	14	3.1	68	160	47	<0.01	<0.02	<0.001	<0.0002	<0.001	0.001	<0.001	0.31	<0.0001	0.003	0.022	<1	<1	<1	<1	<2	<3	<10	-		
CSM_BH09S	CSM_BH09S	21/01/2020		Normal	698379	7.5	6.1	340	28	<0.004	<10	77	3.7	6.2	2.6	97	46	160	0.05	0.02	<0.001	<0.0002	<0.001	0.002	<0.001	0.71	<0.0001	0.004	0.023	<1	<1	<1	<1	<2	<3	<10	-		
CSM_BH10S	CSM_BH10S	20/01/2020		Normal	698379	<0.05	6	160	77	<0.004	<10	<20	2.9	4.6	2.1	27	16	55	0.02	0.93	<0.001	<0.0002	<0.001	<0.001	<0.001	0.49	<0.0001	0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-		
CSM_BH10S	QC01	20/01/2020		Interlab_D	ES2001825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.0001	<0.001	<0.005	<1	<2	<2	<2	<2	<5	<1			
GASW_BH10	GASW_BH10	21/01/2020		Normal	698379	19	6.8	890	170	<0.004	<10	560	110	72	17	150	910	<5	0.01	<0.02	<0.001	<0.0002	<0.001	<0.001	<0.001	0.7	<0.0001	0.029	0.013	<1	<1	<1	<1	<2	<3	<10	-		
GASW_BH11	GASW_BH11	22/01/2020		Normal	698379	1.6	6.1	180	120	<0.004	<10	38	7.7	4.7	1.6	38	81	52	0.02	<0.02	<0.001	<0.0002	<0.001	0.002	<0.001	0.15	<0.0001	<0.001	0.021	<1	<1	<1	<1	<2	<3	<10	-		
GASW_BH23	GASW_BH23	22/01/2020		Normal	698379	3	8.1	580	10	0.012	<10	3000	130	11	12	32	21	270	0.72	<0.02	0.005	<0.0002	<0.001	<0.001	0.001	0.28	<0.0001	<0.001	0.14	1500	53	<50	<50	<100	<150	<500	-		
GASW_BH25A	GASW_BH25A	22/01/2020		Normal	698379	0.95	6.6	430	130	0.16	<10	180	84	5.9	6.1	20	15	130	0.23	<0.02	0.012	<0.0002	<0.001	<0.001	<0.001	0.091	<0.0001	<0.001	<0.005	30,000	11,000	<400	<400	<800	<1200	<4000	-		
GASW_BH7	GASW_BH7	22/01/2020		Normal	698379	12	3.7	550	33	<0.004	<10	<20	3.8	3.9	0.6	57	100	150	0.04	<0.02	<0.001	<0.0002	<0.001	0.009	0.003	0.1	<0.0001	0.001	0.041	42	<1	<1	1	<2	<3	<10	-		
SRT_BH047	SRT_BH047	20/01/2020		Normal	698379	<0.05	7.7	340	1700	<0.004	<10	240	49	9.7	0.8	26	60	11	0.03	22	<0.001	<0.0002	<0.001	0.004	<0.001	<0.005	<0.0001	<0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-		
SRT_BH052	SRT_BH052	20/01/2020		Normal	698379	0.16	6.9	270	54	<0.004	<10	81	49	5.1	1.5	37	78	35	0.02	5.6	0.003	<0.0002	<0.001	0.001	<0.001	<0.005	<0.0001	<0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-		
SRT_BH059	SRT_BH059	20/01/2020		Normal	698379	<0.05	6.4	220	7.5	<0.004	<10	180	63	6.3	7.6	7.8	59	20	<0.01	6.1	<0.001	<0.0002	<0.001	0.002	<0.001	<0.005	<0.0001	<0.001	<0.005	<1	<1	<1	<1	<2	<3	<10	-		
SRT_CBH017	SRT_CBH017	20/01/2020		Normal	698379	0.64	6.2	200	49	<0.004	<10	110	12	10	2.8	20	85	34	0.01	0.03	<0.001	<0.0002	<0.001	0.014	<0.001	3.6	<0.0001	0.011	0.074	<1	<1	<1	<1	<2	<3	<10	-		



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	OP Pesticides																												PCBs						Herbicides															
	Toxithion	Azinphos methyl	Boistar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethopropr	Fenitrothion	Fensulfotothion	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)	Di-noseb							
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	2	2	1	1	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)																																																		
Location Code	Field ID	Sampled Date	TI	Sample Type	Lab Report Nu	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2					
CSM_BH02	CSM_BH02	21/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			
CSM_BH04	CSM_BH04	21/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
CSM_BH04	QC02	21/01/2020		Field_D	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CSM_BH08	CSM_BH08	21/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
CSM_BH09S	CSM_BH09S	21/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
CSM_BH10S	CSM_BH10S	20/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
CSM_BH10S	QC01	20/01/2020		Interlab_D	ES2001825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GASW_BH10	GASW_BH10	21/01/2020		Normal	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	
GASW_BH11	GASW_BH11	22/01/2020		Normal	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	
GASW_BH23	GASW_BH23	22/01/2020		Normal	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	
GASW_BH25A	GASW_BH25A	22/01/2020		Normal	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	
GASW_BH7	GASW_BH7	22/01/2020		Normal	698379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	
SRT_BH047	SRT_BH047	20/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
SRT_BH052	SRT_BH052	20/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SRT_BH059	SRT_BH059	20/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SRT_CBH017	SRT_CBH017	20/01/2020		Normal	698379	<2	<2	<2	<2	<20	<2	<20	<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	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2