Date	Time	Water level AHD	Max Water depth m	Sample Depth m	Temp °C	DO %	DO mg/l	EC mS/cm	Salinity ppt	pH	Comments
12/1/2015	1430	0.40	0.3	0.1	27.8	51.8	3.77	47.90	30.1	7.6	Initial readings immediately after blocking
13/1/2015	0735	0.5	0.3	0.1	18.4	4.1	0.33	41.60	27.0	7.7	
14/1/2015	0730	0.5	0.3	0.1	19.8	28.6	2.22	38.04	24.3	7.7	
15/1/2015	0735	0.55	0.35	0.1	19.4	48.0	4.42	35.66	22.5	7.8	Some inflow from O/N high tide via channel and over berm
16/1/2015	0725	0.55	0.35	0.1	17.3	66.1	5.38	37.70	24.3	7.8	Possible marginally higher forecast O/N tide, no inflow.
17/1/2015	0730	0.58	0.38	0.1	18.5	20.7	1.69	38.53	24.5	7.8	Some inflow from O/N high tide over berm alongside rock wall
18/1/2015	0730	0.57	0.37	0.1	18.9	15.9	1.25	40.12	25.7	7.8	Small inflow from O/N high tide over berm alongside rock wall
	1600	0.57	0.37	0.1	22.1	14.8	1.10	41.11	26.3	7.8	
19/1/2015	0735	0.57	0.37	0.1	22.0	10.1	0.75	40.63	25.9	7.8	Just a dribble from O/N high tide over berm alongside rock wall
20/1/2015	0725	0.57	0.37	0.1	18.7	12.9	1.01	42.19	27.2	7.8	No inflow from high tide
21/1/2015	0726	0.59	0.39	0.1	14.7	43.0	3.76	41.90	26.9	7.9	1mm rain recorded at Somers 20/21
22/1/2015	0730	0.58	0.38	0.1	15.4	18.2	1.53	42.08	27.1	7.9	Calm conditions. Strong H_2S odour
23/1/2015	0730	0.59	0.39	0.1	16.3	12.1	1.00	41.59	26.8	7.9	
24/1/2015	0720	0.59	0.39	0.1	16.4	11.2	0.92	42.32	27.2	8.0	
25/1/2015	1300	0.6	0.4	0.1	21.3	45.4	3.19	41.78	26.9	7.9	Strong wind and surface disturbance
				0.5	21.1	45.7	3.19	41.78	26.9	7.9	Lot of inflow from O/N high tide and rough weather. Berm significantly eroded with sand carried into the creek
26/1/2015	0725	0.62	0.6	0.1	15.4	75.8	5.98	52.90	34.9	8.0	
27/1/2015	0730	0.96	0.75	0.1	14.1	78.6	6.45	53.50	35.3	8.2	Where inflow from O/N high tide. 5mm rain recorded at Somers 26/11
				0.5	14.1	76.3	6.24	53.60	35.4	8.2	
28/1/2015	0730	1.04	0.8	0.1	15.3	76.3	6.15	53.30	35.2	8.1	Move inflow from O/N high tide.
				0.5	15.3	65.1	5.23	53.70	35.5	8.1	
29/1/2015	0730	1.07	0.8	0.1	15.3	59.1	4.68	51.10	33.8	7.7	Small inflow from O/N high tide. Inflow of dirty water from upstream
				0.5	16.1	53.8	4.23	53.20	35.1	7.7	
30/11/2015	0730	1.08	0.8	0.1	16.2	10.4	0.82	50.50	33.2	7.8	Slight overtopping of berm O/N. Water very dirty with white scum on surface
				0.5	15.9	45.5	3.57	53.40	35.1	7.8	
01/12/2015	0730	1.08	0.8	0.1	19.4	55.0	4.08	50.60	33.3	7.8	Slight overtopping of berm O/N. 5mm rain recorded at Somers O/N
				0.5	17.6	61.3	4.65	50.10	35.1	7.8	
02/12/2015	0720	1.11	0.85	0.1	16.2	46.6	3.71	51.5	33.9	7.8	Slight overtopping of berm O/N. Water less turbid but tea coloured - U11
				0.5	16.1	57.6	4.58	53.3	35.2	7.8	
	1500			0.1	20.3	80.2	5.93	52.3	34.5		
				0.5	19.4	69.4	5.04	52.5	34.7		
03/12/2015	0720	1.10	0.85	0.1	17.8	58.2	4.5	52.9	34.9	7.8	Moderating tides and weather means no overtopping
				0.5	17.9	52.0	4.01	52.9	34.9	7.8	Berm approx 0.8m higher than creek water level
04/12/2015	0720	1.10	0.85	0.1	18.5	26.4	2.01	53.1	35.1	7.6	
				0.5	18.4	24.6	1.89	53.2	35.1	7.6	
05/12/2015	0725	1.08	0.8	0.1	21.9	46.6	3.64	53.4	35.3	7.7	
				0.5	21.8	23.2	1.51	53.5	35.4	7.7	
06/12/2015	0725	1.07	0.8	0.1	22.9	26.7	1.87	53.8	35.6	7.7	
				0.5	22.9	22.0	1.53	53.8	35.6	7.7	
07/12/2015	0730	1.06	0.8	0.1	21.4	15.6	1.11	54.1	35.8	7.6	Turbidity = 25
				0.5	21.4	14.0	0.99	54.1	35.8	7.6	
08/12/2015	0725	1.04	0.7	0.1	20.9	13.7	0.97	54.3	36.0	7.7	
				0.5	21.0	13.3	0.95	54.2	35.9	7.7	
09/12/2015	0730	1.01	0.7	0.1	22.0	16.3	1.14	55.7	37.0	7.6	
				0.5	22.0	14.4	1.01	54.8	36.4	7.6	Pronounced H_2S odour
10/12/2015	0730	1.01	0.7	0.1	20.0	13.8	1.01	55.2	36.6	7.6	
				0.5	20.0	12.8	0.94	55.2	36.7	7.6	
11/12/2015	0715	1.01	0.7	0.1	20.0	13.4	0.96	55.5	36.9	7.6	Pronounced H_2S odour. Water colour now black
				0.5	20.1	13.1	0.94	55.5	36.9	7.6	Large dead bream at the mouth of the creek
12/12/2015	0720	1.00	0.7	0.1	15.5	12.2	0.96	55.9	37.1	7.6	Water colour copper-brown again
				0.5	15.7	12.5	0.98	55.8	37.0	7.6	
13/12/2015	0725	0.99	0.7	0.1	17.8	14.2	1.07	56.0	37.3	7.7	White scum on the surface of the water
				0.5	17.7	13.8	1.04	55.9	37.2	7.7	
14/12/2015	0730	0.97	0.7	0.1	16.9	13.7	1.05	55.9	37.2	7.7	Small mullet gulping air at the surface
				0.5	16.9	13.6	1.04	55.9	37.2	7.7	
15/12/2015	0725	0.97	0.7	0.1	17.7	12.5	0.93	56.1	37.3	7.7	
				0.5	17.7	12.2	0.92	56.0	37.3	7.7	
16/12/2015	0730	0.96	0.7	0.1	18.9	12.4	0.91	56.4	37.6	7.7	Ocean salinity = 36.1. Many dead toadfish in the closed mouth of the creek
				0.5	18.9	12.1	0.89	56.3	37.5	7.7	1.03m O/N high tide but berm not overtopped
	1500	0.96	0.7	0.1	21.4	20.4	1.46	55.7	37.1	7.7	Strong easterly wind and significant surface disturbance. Sunny day
				0.5	20.8	20.8	1.46	57.2	38.1	7.7	
17/12/2015	0725	0.96	0.7	0.1	20.7	13.4	0.99	56.4	37.6	7.7	Small mullet gulping air at the surface
				0.5	20.1	13.2	0.95	56.4	37.6	7.7	
18/12/2015	0730	0.95	0.7	0.1	24.0	13.5	0.90	58.1	38.8	7.7	Some overtopping of the berm at early morning high tide.
				0.5	21.6	25.8	1.79	58.8	39.4	7.7	No water level increase but freshened up water around closed mouth
19/12/2015											NO OBSERVATIONS RECORDED
20/12/2015	1500	0.91	0.7	0.1	27.4	14.4	0.90	58.1	39.4	7.6	Water colour copper-pink
				0.5	27.2	12.1	0.75	60.3	40.9	7.6	
21/12/2015	0730	0.94	0.7	0.1	20.9	16.2	0.73	57.2	38.1	7.9	8 mm rain recorded at Somers 20 Dec
				0.5	21.6	13.2	0.93	57.0	38.0	7.9	
22/12/2015	0645	0.93	0.7	0.1	18.4	10.5	0.81	57.5	38.4	7.8	Pronounced H_2S odour. Bubbles rising from creek bed
				0.5	18.4	8.8	0.73	57.3	38.2	7.8	
23/12/2015	0735	0.92	0.6	0.1	19.5	12.4	0.9	57.9	38.7	7.8	Pronounced H_2S odour. Bubbles still rising from creek bed
				0.5	19.5	11.3	0.82	57.9	38.7	7.8	
24/12/2015	0725	0.91	0.6	0.1	20.4	12.5	0.88	58.2	38.9	7.8	H_2S odour. Bubbles still rising from creek bed. White scum on surface
				0.5	20.4	12.0	0.85	58.2	38.9	7.8	
25/12/2015	0600	0.90	0.6	0.1	21.1	11.6	0.81	58.6	39.2	7.8	H_2S odour. White scum on surface much thicker.
				0.5	21.1	11.6	0.81	58.8	39.3	7.8	No overtopping of berm - many reindeer hoofmarks evident
26/12/2015	0935	0.93	0.6	0.1	19.3	27.4	2.04	51.2	33.7	8.0	15mm of rain recorded since 0500
				0.5	19.5	19.7	1.44	54.5	36.1	8.0	
27/12/2015	0730	0.92	0.6	0.1	16.4	29.9	2.38	51.0	33.5	7.9	Bubbles still rising from creek bed
				0.5	16.3	30.6	2.42	52.2	34.3	7.9	
28/12/2015	0730	0.93	0.6	0.1	18.9	14.6	1.08	57.9	38.7	7.6	Pronounced H_2S odour. Bubbles still rising from creek bed
				0.5	18.9	16.1	1.19	58.0	38.3	7.6	
29/12/2015	0730	0.91	0.6	0.1	19.5	11.6	0.85	57.2	38.1	7.8	Pronounced H_2S odour. Bubbles still rising from creek bed
				0.5	19.5	11.5	0.84	57.2	38.2	7.8	
30/12/2015	0715	0.90	0.6	0.1	20.3	11.2	0.80	57.7	38.5	7.8	Pronounced H_2S odour. Bubbles still rising from creek bed
				0.5	20.2	10.8	0.77	57.7	38.6	7.8	White scum on the surface of the water
31/12/2015	0730	0.89	0.5	0.1	23.1	11.5	0.77	59.4	39.8	7.8	H_2S odour. Bubbles rising from creek bed. White scum denser
				0.4	23.1	11.8	0.79	59.4	39.8	7.8	Small overtopping of berm on early AM high tide of 3.01m
01/01/2016	0730	0.89	0.5	0.1	24.7	11.5	0.75	60.0	40.2	7.8	H_2S odour. Bubbles rising from creek bed.
				0.4	24.7	11.7	0.76	60.0	40.2	7.8	Patches of algae (?) floating on the surface
02/01/2016	0720	0.88	0.5	0.1	22.9	10.9	0.74	60.3	40.5	7.8	H_2S odour. Bubbles rising from creek bed.
				0.4	22.5	10.6	0.72	60.4	40.6	7.8	
03/01/2016	0725	0.86	0.5	0.1	18.9	14.3	1.02	60.1	40.3	7.9	Strong wind and surface disturbance
				0.4	18.6	9.7	0.71	60.1	40.4	7.9	
04/01/2016	0730	0.86	0.5	0.1	18.6	10.2	0.74	60.4	40.5	7.9	H_2S odour. Turbidity = 50 Colour U11
				0.4	18.8	8.8	0.70	60.5	40.6	7.9	
05/01/2016	0725	0.84	0.5	0.1	17.5	12.6	0.93	61.7	41.6	7.9	
				0.4	17.5	10.3	0.76	61.7	41.6	7.9	
06/01/2016	1500	0.84	0.5	0.1	26.3	44.3	2.82	62.5	42.0	7.8	Strong wind and surface disturbance
				0.4	23.6	10.1	0.66	63.0	42.3	7.8	Large patches of algae-coated seagrass floating in creek
07/01/2016	0730	0.83	0.5	0.1	19.9	11.2	0.80	61.4	41.3	7.9	Bubbles rising from creek bed
				0.4	19.3	11.0	0.79	61.4	41.4	7.9	
08/01/2016	0725	0.82	0.5	0.1	19.9	10.7	0.76	62.9	42.5	7.9	H_2S odour. Bubbles rising from creek bed. White scum evident
				0.4	20.0	10.5	0.74	62.8	42.4	7.9	Large patches of algae-coated seagrass floating to the surface.
09/01/2016	0720	0.82	0.5	0.1	21.0	11.6	0.78	63.3	42.8	7.9	H_2S odour. Bubbles rising from creek bed. White scum evident
				0.4	21.0	11.2	0.77	63.2	42.7	7.9	
10/01/2016	0725	0.80	0.5	0.1	21.4	11.2	0.76	63.9	43.3	7.9	Large patches of algae-coated seagrass floating on the surface
				0.4	21.5	11.4	0.78	63.9	43.3	7.9	H_2S odour. Bubbles rising from creek bed. White scum evident
11/01/2016	0725	0.80	0.5	0.1	22.9	11.7	0.77	64.3	43.5	7.9	Extensive red algal blooms evident
				0.4	22.7	11.6	0.77	64.1	43.4	7.9	
12/01/2016	0725	0.79	0.5	0.1	21.6	11.1	0.75	64.4	43.6	7.9	Red algal blooms somewhat abated but water a red-brick colour
				0.4	21.6	10.7	0.72	64.5	43.7	7.9	1mm rain recorded at Somers
13/01/2016	0725	0.78	0.5	0.1	22.3	10.8	0.71	64.7	43.9	7.9	H_2S odour. Bubbles rising from creek bed. White scum evident
				0.4	22.3	10.4	0.69	64.7	43.9	7.9	
14/01/2016	0725	0.78	0.5	0.1	21.2	9.3	0.67	64.7	43.8	8.0	Water a red-brick colour with denser, more turbid areas.
				0.4	21.2	9.3	0.67	64.7	43.9	8.0	1mm rain recorded at Somers
15/01/2016	0730	0.77	0.5	0.1	15.2	9.1	0.71	64.0	43.7	8.0	Water still a red-brick colour with denser, more turbid areas.
				0.4	15.4	9.1	0.70	63.7	43.0	8.0	1mm rain recorded at Somers
16/01/2016	0730	0.76	0.5	0.1	16.6	10.1	0.76	64.7	43.8	8.0	H_2S odour. White scum evident on turbid red-brick coloured water
				0.4	16.9	10.2	0.76	64.9	43.9	8.0	
17/01/2016	0730	0.75	0.5	0.1	16.0	10.1	0.76	64.7	43.8	8.0	Strong H_2S odour. White scum evident. Red-brick coloured water abated.
				0.4	16.9	10.2	0.76	64.3	43.5	8.0	Large patches of algae-coated seagrass floating on the surface.
18/01/2016	0725	0.75	0.5	0.1	20.6	11.2	0.77	65.9	44.8	7.9	Bubbles rising from creek bed. Water a sepia colour with cloudy patches
				0.4	20.7	11.0	0.75	65.7	44.7	7.9	Patches of algae-coated seagrass floating on the surface.
19/01/2016	0730	0.74	0.5	0.1	21.5	12.4	0.83	65.8	44.7	7.9	H_2S odour. Bubbles rising from creek bed. White scum on surface.
				0.4	21.4	12.6	0.85	65.9	44.8	7.9	Red algal blooms evident
20/01/2016	0730	0.74	0.45	0.1	23.1	13.8	0.90	66.9	45.5	7.8	Red algal blooms more extensive. 1mm rain recorded O/N.
				0.4	23.1	14.3	0.92	67.0	45.4	7.8	Patches of algae-coated seagrass floating on the surface.
21/01/2016	0730	0.74	0.45	0.1	21.9	11.8	0.78	66.4	45.3	7.8	Strong H_2S odour. Red-brick coloured water.
				0.4	22.0	15.7	1.04	66.3	45.1	7.8	
22/01/2016	0730	0.74	0.45	0.1	21.4	13.2	0.88	66.9	45.6	7.9	Strong H_2S odour. Red algae bloom evident.
				0.4	21.5	13.1	0.87	66.9	45.5	7.9	Bubbles rising from creek bed. White scum evident.
23/01/2016	0725	0.74	0.45	0.1	19.4	11.4	0.79	65.1	44.2	8.0	4 mm rain recorded at Somers. No inflow from new channel at mouth.
				0.4	19.6	11.4	0.93	65.1	44.2	8.0	H_2S odour. Red-brick coloured water. White scum evident
24/01/2016	0730	0.74	0.45	0.1	19.8	11.9	0.82	65.3	44.3	8.0	H_2S odour. Red-brick coloured water. White scum evident
				0.4	19.7	11.7	0.81	65.4	44.4	8.0	
25/01/2016	0725	0.74	0.45	0.1	21.1	11.7	0.79	65.8	44.7	7.9	H_2S odour. Red-brick coloured water.
				0.4	21.5	11.9	0.81	65.8	44.7	7.9	Water inflow from new channel on O/N high tide