

Year 2022  
Quarter 2

First day of quarter 01/04/2022

Last day of quarter 30/06/2022

Date of first Sunday for which 4 or more days in the following week fall within the quarter 03/04/2022

Date of last Sunday for which 4 or more days in the following week fall within the quarter 26/06/2022

Number of weeks within quarter 13

**W1 Concentrations**

Weeks run from Sunday to the following Saturday - all weeks with four or more days within the quarter are reported  
 Uncertainty of measurement only applied to values exceeding permitted limit.

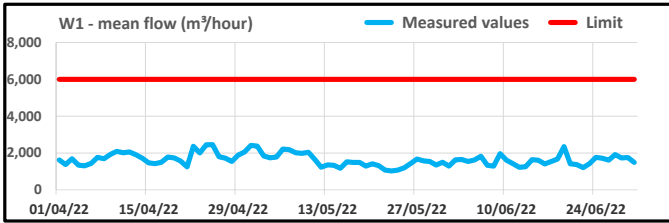
Parameter	Weekly average concentrations in mg/l, reported as measured and with uncertainty at limit removed																													
	Suspended Solids	Suspended Solids - Unc.	COD	COD - Unc.	BOD	BOD - Unc.	Sulphides	Sulphides - Unc.	Thiocyanate	Thiocyanate - Unc.	Cyanide	Cyanide - Unc.	PAH	PAH - Unc.	Phenols	Phenols - Unc.	Ammonia + Nitrite + Nitrate	Ammonia + Nitrite + Nitrate - Unc.	Iron	Iron - Unc.	Lead	Lead - Unc.	Zinc	Zinc - Unc.	Nickel	Nickel - Unc.	Total Chromium	Total Chromium - Unc.	Total Hydrocarbons	Total Hydrocarbons - Unc.
Limit	150		220		20		0.1		4		0.1		0.05		0.5		50		5		0.5		2		0.5		0.5		5	
Uncertainty (at limit)	54		23.6				0.01		0.4		0.01				0.95		5		0.5		0.05		0.09		0.05		0.05		1	
<b>Week commencing</b>																														
03 April 2022	29		47	-			0.04		3.22		0.05		0.011		0.32		21		2.46		0.07		1.1		0.07		0.07		3.2	
10 April 2022	46		67	-			0.02		3.78		0.09		0.002		1.10	1.05	22		3.74		0.08		0.5		0.08		0.12		3.7	
17 April 2022	43		55	-			0.06		4.02		0.09		0.003		0.03		22		3.58		0.13		1.9		0.09		0.09		2.1	
24 April 2022	55		85	-			0.02		3.74		0.16	0.15	0.002		0.07		19		10.06	9.56	0.09		0.9		0.09		0.09		2.0	
01 May 2022	56		77	-			0.06		6.35	5.95	0.22	0.21	0.010		0.78	0.73	27		5.49		0.11		1.8		0.09		0.09		2.9	
08 May 2022	49		45	-			0.06		3.76		0.12	0.11	0.002		0.01		20		5.58	5.08	0.10		1.5		0.09		0.09		3.5	
15 May 2022	68		90	-			0.05		2.53		0.15	0.14			0.01		19		1.81		0.09		1.2		0.06		0.06		2.7	
22 May 2022	67		74	-			0.01		4.24		0.06		0.013		0.01		21		1.67		0.07		1.0		0.04		0.04		5.4	
29 May 2022	33		61	-			0.05		1.30		0.03	0.006			0.01		14		2.69		0.07		1.1		0.07		0.07		1.9	
05 June 2022	38		34	-			0.02		0.52		0.03		0.002		0.02		14		2.25		0.07		1.1		0.07		0.07		2.5	
12 June 2022	39		33	-			0.02		0.40		0.04		0.002		0.01		20		2.05		0.06		0.5		0.07		0.07		1.4	
19 June 2022	69		73	-			0.01		0.70		0.04		0.007		0.15		21		3.36		0.07		0.5		0.07		0.07		2.0	
26 June 2022	67		58	-			0.01		1.39		0.02		0.003		0.01		14		3.39		0.06		0.5		0.06		0.06		4.0	
Number > Limit + Unc.		0		0		0		0		1		4		0		2		0		2		0		0		0		0		0

\* The following Part A Notifications have been submitted for Q2:

Part A	Breach	Week Commencing	Date submitted
SSN_22_32A	W1 LSO phenol weekly average limit breach	10/04/2022	20/04/2022
SSN_22_35A	W1 LSO CN weekly average limit breach	24/04/2022	03/05/2022
SSN_22_36A	W1 LSO Fe weekly average limit breach	24/04/2022	03/05/2022
SSN_22_36A	W1 LSO CN weekly average limit breach	01/05/2022	09/05/2022
SSN_22_39A	W1 LSO phenols weekly average limit breach	01/05/2022	09/05/2022
SSN_22_40A	W1 LSO CNS weekly average limit breach	01/05/2022	09/05/2022
SSN_22_42A	W1 LSO Fe weekly average limit breach	08/05/2022	16/05/2022
SSN_22_43A	W1 LSO CN weekly average limit breach	08/05/2022	16/05/2022
SSN_22_44A	W1 LSO CN weekly average limit breach	15/05/2022	23/05/2022
SSN_22_54A	W1 LSO failure to analyse for PAH	15/05/2022	08/07/2022

W1 Flow

		Average flow	
Daily mean	Minimum	1,025	m <sup>3</sup> /hour
	Maximum	2,454	m <sup>3</sup> /hour
	Limit	6,000	m <sup>3</sup> /hour
	No. > Limit	0	



Date	Parameter Average flow	
	Units	m <sup>3</sup> /hour
	Limit	6,000
01 April 2022		1,622 6,000
02 April 2022		1,372 6,000
03 April 2022		1,691 6,000
04 April 2022		1,337 6,000
05 April 2022		1,307 6,000
06 April 2022		1,437 6,000
07 April 2022		1,767 6,000
08 April 2022		1,693 6,000
09 April 2022		1,921 6,000
10 April 2022		2,085 6,000
11 April 2022		2,017 6,000
12 April 2022		2,056 6,000
13 April 2022		1,905 6,000
14 April 2022		1,710 6,000
15 April 2022		1,462 6,000
16 April 2022		1,424 6,000
17 April 2022		1,496 6,000
18 April 2022		1,777 6,000
19 April 2022		1,731 6,000
20 April 2022		1,566 6,000
21 April 2022		1,246 6,000
22 April 2022		2,368 6,000
23 April 2022		2,004 6,000
24 April 2022		2,449 6,000
25 April 2022		2,454 6,000
26 April 2022		1,801 6,000
27 April 2022		1,726 6,000
28 April 2022		1,541 6,000
29 April 2022		1,882 6,000
30 April 2022		2,052 6,000
01 May 2022		2,416 6,000
02 May 2022		2,373 6,000
03 May 2022		1,840 6,000
04 May 2022		1,735 6,000
05 May 2022		1,778 6,000
06 May 2022		2,212 6,000
07 May 2022		2,178 6,000
08 May 2022		2,012 6,000
09 May 2022		1,977 6,000
10 May 2022		2,039 6,000
11 May 2022		1,643 6,000
12 May 2022		1,229 6,000
13 May 2022		1,357 6,000
14 May 2022		1,327 6,000
15 May 2022		1,170 6,000
16 May 2022		1,523 6,000
17 May 2022		1,493 6,000
18 May 2022		1,490 6,000
19 May 2022		1,285 6,000
20 May 2022		1,418 6,000
21 May 2022		1,315 6,000
22 May 2022		1,070 6,000
23 May 2022		1,025 6,000
24 May 2022		1,071 6,000
25 May 2022		1,197 6,000
26 May 2022		1,432 6,000
27 May 2022		1,673 6,000
28 May 2022		1,570 6,000
29 May 2022		1,535 6,000
30 May 2022		1,350 6,000
31 May 2022		1,495 6,000
01 June 2022		1,290 6,000
02 June 2022		1,630 6,000
03 June 2022		1,651 6,000
04 June 2022		1,539 6,000
05 June 2022		1,624 6,000
06 June 2022		1,819 6,000
07 June 2022		1,328 6,000
08 June 2022		1,286 6,000
09 June 2022		1,966 6,000
10 June 2022		1,616 6,000
11 June 2022		1,423 6,000
12 June 2022		1,220 6,000
13 June 2022		1,254 6,000
14 June 2022		1,635 6,000
15 June 2022		1,606 6,000
16 June 2022		1,405 6,000
17 June 2022		1,542 6,000
18 June 2022		1,672 6,000
19 June 2022		2,351 6,000
20 June 2022		1,412 6,000
21 June 2022		1,368 6,000
22 June 2022		1,204 6,000
23 June 2022		1,418 6,000
24 June 2022		1,763 6,000
25 June 2022		1,716 6,000
26 June 2022		1,615 6,000
27 June 2022		1,917 6,000
28 June 2022		1,733 6,000
29 June 2022		1,753 6,000
30 June 2022		1,486 6,000

**W3 Concentrations**

*Weeks run from Sunday to the following Saturday - all weeks with four or more days within the quarter are reported.*

*Uncertainty of measurement only applied to values exceeding permitted limit.*

*Only sampled when flow present (generally after heavy rain).*

<b>Weekly average concentrations in mg/l, reported as measured (uncertainty not taken into account)</b>				
<b>Parameter</b>	Suspended Solids	Suspended solids - Unc	Total Hydrocarbons	Total Hydrocarbons - Unc
<b>Limit</b>	200		20	
<b>Uncertainty (at limit)</b>	72		4.4	
<b>Week commencing</b>				
03 April 2022	15		5.8	
10 April 2022	50		7.6	
17 April 2022	19		3.0	
24 April 2022				***
01 May 2022	35		2.0	
08 May 2022	22		5.7	
15 May 2022	23		9.6	
22 May 2022	13		3.6	
29 May 2022	26		6.5	
05 June 2022	49		7.4	
12 June 2022				***
19 June 2022				***
26 June 2022	28		7.2	
<b>Number &gt; Limit</b>		0		0

\*\*\* No samples taken during this week; effluent did not overtip weir to Abbey Beach Outfall.

**W4 Concentrations**

*Only sampled when flow present (generally after heavy rain).*

<b>Values reported as measured (uncertainty not taken into account)</b>					
<b>Parameter</b>		Suspended solids (mg/l)	Total Fe (mg/l)	Soluble Fe (mg/l)	Oil and grease
<b>Date</b>	pH				
25 April 2022	7.6	20	5.0	0.7	1.8
12 May 2022	9.2	26	2.3	1.2	0.3
20 June 2022	9.0	78	3.0	2.8	1.4

## W5 Concentrations

Uncertainty of measurement only applied to values exceeding permitted limit.

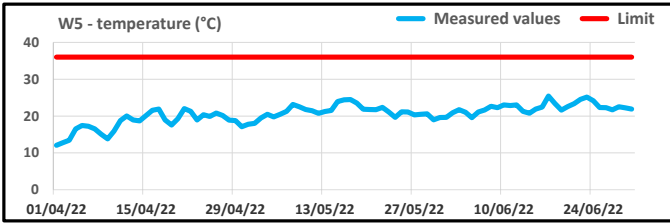
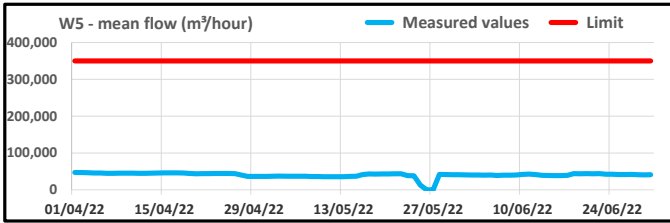
<b>Suspended solids concentrations in mg/l, reported as measured (uncertainty not taken into account)</b>				
<b>Parameter</b>	Inlet	Outlet	Difference	Difference - Unc.
<b>Limit</b>			20	
<b>Uncertainty (at limit)</b>			4.4	
<b>Date</b>				
07 April 2022	16	12	-4	*
14 April 2022	2	4	2	
21 April 2022	12	25	13	
28 April 2022	12	38	26	22***
06 May 2022	8	8	0	
12 May 2022	11	12	1	
18 May 2022	15	17	2	
27 May 2022	20	18	-2	*
31 May 2022	44	30	-14	*
08 June 2022	38	42	4	
16 June 2022	48	44	-4	*
23 June 2022	48	60	12	
Number > Limit				1

\* Difference is compliant where inlet concentrations exceed outlet concentrations.

\*\*\* Part A S5N\_22\_41A submitted for week 17 permit breach. Submitted 11/05/2022

W5 Flow and Temperature

Daily mean	Daily mean flow		Temperature	
	Minimum	0 m <sup>3</sup> /hour	12	°C
	Maximum	47,172 m <sup>3</sup> /hour	25	°C
	Limit	350,000 m <sup>3</sup> /day	36	°C
	No. > Limit	0	0	



\* Part A S5N\_21\_47A submitted with regards to W5 flow meter failure on 26th and 27th May.

Date	Parameter Average flow		Temperature		
	Units	m <sup>3</sup> /day	°C		
	Limit	350,000	36		
01 April 2022		47,172	350,000	12.1	36
02 April 2022		46,927	350,000	12.7	36
03 April 2022		46,554	350,000	13.4	36
04 April 2022		45,703	350,000	16.5	36
05 April 2022		45,494	350,000	17.4	36
06 April 2022		44,983	350,000	17.2	36
07 April 2022		44,976	350,000	16.5	36
08 April 2022		45,192	350,000	15.1	36
09 April 2022		45,300	350,000	13.8	36
10 April 2022		45,237	350,000	15.9	36
11 April 2022		45,043	350,000	18.8	36
12 April 2022		44,809	350,000	20.0	36
13 April 2022		45,161	350,000	18.9	36
14 April 2022		45,834	350,000	18.7	36
15 April 2022		45,985	350,000	20.1	36
16 April 2022		46,106	350,000	21.6	36
17 April 2022		46,109	350,000	21.9	36
18 April 2022		45,574	350,000	18.9	36
19 April 2022		44,577	350,000	17.6	36
20 April 2022		43,721	350,000	19.3	36
21 April 2022		43,920	350,000	22.0	36
22 April 2022		44,195	350,000	21.3	36
23 April 2022		44,414	350,000	19.0	36
24 April 2022		44,418	350,000	20.4	36
25 April 2022		44,313	350,000	19.9	36
26 April 2022		43,963	350,000	20.8	36
27 April 2022		40,390	350,000	20.2	36
28 April 2022		36,658	350,000	18.9	36
29 April 2022		36,506	350,000	18.7	36
30 April 2022		36,442	350,000	17.1	36
01 May 2022		36,665	350,000	17.8	36
02 May 2022		36,964	350,000	18.0	36
03 May 2022		37,346	350,000	19.5	36
04 May 2022		37,073	350,000	20.5	36
05 May 2022		36,880	350,000	19.8	36
06 May 2022		36,943	350,000	20.5	36
07 May 2022		36,882	350,000	21.3	36
08 May 2022		36,232	350,000	23.1	36
09 May 2022		36,002	350,000	22.5	36
10 May 2022		35,694	350,000	21.8	36
11 May 2022		35,826	350,000	21.4	36
12 May 2022		35,512	350,000	20.7	36
13 May 2022		35,675	350,000	21.2	36
14 May 2022		36,360	350,000	21.5	36
15 May 2022		36,810	350,000	23.9	36
16 May 2022		41,477	350,000	24.4	36
17 May 2022		43,010	350,000	24.5	36
18 May 2022		42,901	350,000	23.5	36
19 May 2022		43,125	350,000	21.9	36
20 May 2022		43,267	350,000	21.8	36
21 May 2022		43,572	350,000	21.8	36
22 May 2022		43,759	350,000	22.4	36
23 May 2022		38,440	350,000	21.1	36
24 May 2022		38,305	350,000	19.7	36
25 May 2022		12,739	350,000	21.1	36
26 May 2022		0	350,000	21.1	36
27 May 2022		0	350,000	20.3	36
28 May 2022		42,003	350,000	20.5	36
29 May 2022		41,341	350,000	20.6	36
30 May 2022		41,193	350,000	19.0	36
31 May 2022		41,121	350,000	19.6	36
01 June 2022		40,784	350,000	19.7	36
02 June 2022		40,398	350,000	20.9	36
03 June 2022		40,217	350,000	21.7	36
04 June 2022		39,981	350,000	21.0	36
05 June 2022		40,169	350,000	19.6	36
06 June 2022		39,128	350,000	21.1	36
07 June 2022		39,882	350,000	21.7	36
08 June 2022		39,734	350,000	22.7	36
09 June 2022		40,210	350,000	22.3	36
10 June 2022		41,840	350,000	23.0	36
11 June 2022		42,622	350,000	22.8	36
12 June 2022		41,398	350,000	23.0	36
13 June 2022		39,390	350,000	21.3	36
14 June 2022		38,828	350,000	20.8	36
15 June 2022		38,628	350,000	21.9	36
16 June 2022		38,458	350,000	22.5	36
17 June 2022		39,268	350,000	25.4	36
18 June 2022		43,911	350,000	23.4	36
19 June 2022		43,476	350,000	21.6	36
20 June 2022		43,844	350,000	22.6	36
21 June 2022		43,729	350,000	23.4	36
22 June 2022		43,915	350,000	24.5	36
23 June 2022		42,529	350,000	25.2	36
24 June 2022		42,268	350,000	24.1	36
25 June 2022		41,476	350,000	22.3	36
26 June 2022		41,518	350,000	22.3	36
27 June 2022		41,769	350,000	21.7	36
28 June 2022		41,219	350,000	22.5	36
29 June 2022		40,846	350,000	22.2	36
30 June 2022		41,115	350,000	21.9	36
			350,000		36
			350,000		36
			350,000		36
			350,000		36