

Year	2022
Quarter	1

First day of quarter 01/01/2022

Last day of quarter 31/03/2022

Date of first Sunday for which 4 or more days in the following week fall within the quarter 02/01/2022

Date of last Sunday for which 4 or more days in the following week fall within the quarter 27/03/2022

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

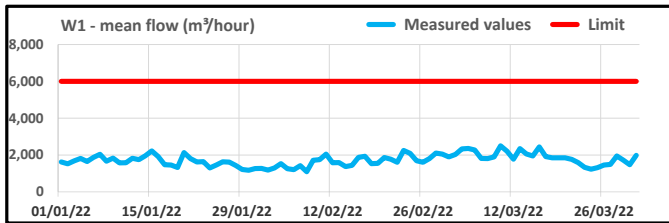
Parameter	Weekly average concentrations in mg/l, reported as measured (uncertainty not taken into account)													
	Suspended Solids	COD	BOD	Sulphides	Thiocyanate	Cyanide	PAH	Phenols	Ammonia + Nitrate + Nitrite	Iron	Lead	Zinc	Nickel	Total Chromium
Limit	150	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2	0.5	0.5
Week commencing														
02 January 2022	33	42		0.05	0.9	0.06	0.010	0.01	17	1.0	0.09	1.6	0.09	0.09
09 January 2022	27	48		0.05	1.1	0.02	0.009	0.01	16	1.6	0.09	1.1	0.09	0.09
16 January 2022	33	43		0.08	1.1	0.05	0.012	0.05	19	1.9	0.08	0.9	0.08	0.08
23 January 2022	29	47		0.06	3.3	0.05	0.021	0.07	22	2.7	0.05	0.9	0.04	0.04
30 January 2022	42	44		0.05	1.4	0.04	0.004	0.04	19	3.3	0.04	0.7	0.04	0.04
06 February 2022	47	44		0.07	0.9	0.03	0.050	0.01	17	2.6	0.09	1.6	0.09	0.09
13 February 2022	44	34		0.12	2.0	0.03	0.033	0.05	18	11.4	0.09	1.2	0.09	0.09
20 February 2022	34	47		0.07	1.5	0.02	0.053	0.05	11	3.5	0.08	0.7	0.08	0.08
27 February 2022	32	41		0.06	1.7	0.01	0.060	0.01	14	3.8	0.08	0.8	0.08	0.08
06 March 2022	50	67		0.12	1.7	0.18	0.004	0.01	20	2.0	0.08	1.2	0.08	0.08
13 March 2022	41	37		0.15	2.7	0.05	0.004	0.07	19	2.9	0.09	1.4	0.09	0.09
20 March 2022	49	46		0.12	4.6	0.15	0.004	0.07	23	4.0	0.08	1.7	0.08	0.08
27 March 2022	42	50		0.08	3.6	0.10	0.005	0.01	21	2.6	0.09	1.7	0.09	0.09
Number > Limit	0	0		4	1	2	2	0	0	1	0	0	0	0

* The following Part A Notifications have been submitted for Q1:

Part A	Breach	Date submitted
S5N_22_12A	W1 sulphides weekly average limit breach	22/02/2022
S5N_22_13A	W1 Fe weekly average limit breach	22/02/2022
S5N_22_17A	W1 - faulty PAH analysis	10/03/2022
S5N_22_22A	W1 PAH weekly average limit breach	10/03/2022
S5N_22_23A	W1 CN weekly average limit breach	14/03/2022
S5N_22_24A	W1 sulphides weekly average limit breach	14/03/2022
S5N_22_25A	W1 PAH weekly average limit breach	17/03/2022
S5N_22_26A	W1 sulphides weekly average limit breach	21/03/2022
S5N_22_27A	W1 CN weekly average limit breach	29/03/2022
S5N_22_28A	W1 thiocyanate weekly average limit breach	29/03/2022
S5N_22_29A	W1 sulphides weekly average limit breach	29/03/2022

W1 Flow

		Average flow	
Daily mean	Minimum	1,092	m³/hour
	Maximum	2,498	m³/hour
	Limit	6,000	m³/hour
	No. > Limit	0	



Date	Parameter Average flow	
	Units	m³/hour
	Limit	6,000
01 January 2022	1,626	6,000
02 January 2022	1,518	6,000
03 January 2022	1,680	6,000
04 January 2022	1,812	6,000
05 January 2022	1,645	6,000
06 January 2022	1,873	6,000
07 January 2022	2,043	6,000
08 January 2022	1,666	6,000
09 January 2022	1,833	6,000
10 January 2022	1,575	6,000
11 January 2022	1,580	6,000
12 January 2022	1,822	6,000
13 January 2022	1,748	6,000
14 January 2022	1,952	6,000
15 January 2022	2,220	6,000
16 January 2022	1,915	6,000
17 January 2022	1,475	6,000
18 January 2022	1,452	6,000
19 January 2022	1,320	6,000
20 January 2022	2,128	6,000
21 January 2022	1,802	6,000
22 January 2022	1,621	6,000
23 January 2022	1,640	6,000
24 January 2022	1,295	6,000
25 January 2022	1,454	6,000
26 January 2022	1,631	6,000
27 January 2022	1,614	6,000
28 January 2022	1,431	6,000
29 January 2022	1,214	6,000
30 January 2022	1,169	6,000
31 January 2022	1,262	6,000
01 February 2022	1,273	6,000
02 February 2022	1,180	6,000
03 February 2022	1,298	6,000
04 February 2022	1,527	6,000
05 February 2022	1,254	6,000
06 February 2022	1,202	6,000
07 February 2022	1,423	6,000
08 February 2022	1,092	6,000
09 February 2022	1,715	6,000
10 February 2022	1,746	6,000
11 February 2022	2,047	6,000
12 February 2022	1,582	6,000
13 February 2022	1,591	6,000
14 February 2022	1,374	6,000
15 February 2022	1,441	6,000
16 February 2022	1,874	6,000
17 February 2022	1,929	6,000
18 February 2022	1,531	6,000
19 February 2022	1,547	6,000
20 February 2022	1,865	6,000
21 February 2022	1,770	6,000
22 February 2022	1,607	6,000
23 February 2022	2,248	6,000
24 February 2022	2,092	6,000
25 February 2022	1,693	6,000
26 February 2022	1,604	6,000
27 February 2022	1,802	6,000
28 February 2022	2,102	6,000
01 March 2022	2,051	6,000
02 March 2022	1,898	6,000
03 March 2022	2,032	6,000
04 March 2022	2,328	6,000
05 March 2022	2,359	6,000
06 March 2022	2,270	6,000
07 March 2022	1,815	6,000
08 March 2022	1,804	6,000
09 March 2022	1,894	6,000
10 March 2022	2,498	6,000
11 March 2022	2,203	6,000
12 March 2022	1,777	6,000
13 March 2022	2,347	6,000
14 March 2022	2,053	6,000
15 March 2022	1,948	6,000
16 March 2022	2,443	6,000
17 March 2022	1,913	6,000
18 March 2022	1,848	6,000
19 March 2022	1,851	6,000
20 March 2022	1,845	6,000
21 March 2022	1,763	6,000
22 March 2022	1,585	6,000
23 March 2022	1,334	6,000
24 March 2022	1,231	6,000
25 March 2022	1,310	6,000
26 March 2022	1,454	6,000
27 March 2022	1,488	6,000
28 March 2022	1,948	6,000
29 March 2022	1,721	6,000
30 March 2022	1,473	6,000
31 March 2022	1,980	6,000

W3 Concentrations

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

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

Weekly average concentrations in mg/l, reported as measured (uncertainty not taken into account)		
Parameter	Suspended Solids	Hydrocarbon s
Limit	200	20
Week commencing		
02 January 2022	15	6.3
09 January 2022	23	4.0
16 January 2022	17	5.1
23 January 2022	24	3.5
30 January 2022	24	4.2
06 February 2022	24	5.0
13 February 2022	16	3.3
20 February 2022	12	4.7
27 February 2022	13	7.7
06 March 2022	13	6.0
13 March 2022	13	3.6
20 March 2022	- *	- *
27 March 2022	25	4.8
Number > Limit	0	0

** No samples taken; effluent did not overtip weir to Abbey Beach Outfall.*

W4 Concentrations

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

Values reported as measured (uncertainty not taken into account)					
Parameter	pH	Suspended solids (mg/l)	Total Fe (mg/l)	Soluble Fe (mg/l)	Oil and grease
Date					
24 January 2022	8.9	16	0.6	0.1	3.4
07 February 2022	8.9	8	0.3	<0.1	1.9
14 February 2022	9.0	66	2.1	0.3	1.1
16 February 2022	9.3	76	5.3	<0.1	0.4
21 February 2022	9.4	84	0.6	0.1	0.9
02 March 2022	9.1	58	0.2	0.2	12.6

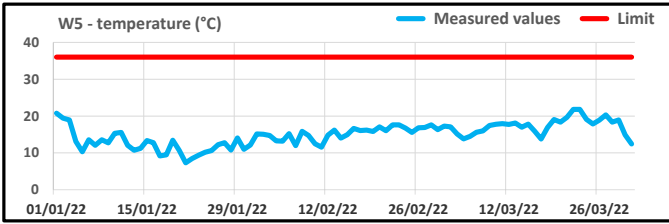
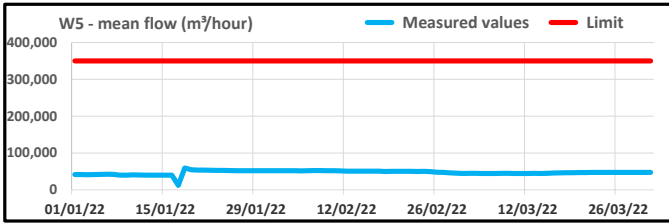
W5 Concentrations

Suspended solids concentrations in mg/l, reported as measured (uncertainty not taken into account)			
Parameter	Inlet	Outlet	Difference
Limit			20
Date			
06 January 2022	24	12	- *
13 January 2022	4	4	- *
20 January 2022	4	4	- *
27 January 2022	2	2	- *
03 February 2022	2	4	2
10 February 2022	1	2	1
17 February 2022	6	8	2
24 February 2022	10	6	- *
03 March 2022	6	8	2
10 March 2022	2	2	- *
17 March 2022	1	1	- *
24 March 2022	2	14	12
31 March 2022	6	4	- *
Number > Limit			0

* Difference is compliant where inlet concentrations exceed outlet concentrations.

W5 Flow and Temperature

Daily mean	Daily mean flow		Temperature	
	Minimum	12,102 m ³ /hour	7	°C
	Maximum	59,310 m ³ /hour	22	°C
	Limit	350,000 m ³ /day	36	°C
	No. > Limit	0	0	



* Part A S5N/21/66A submitted with regards to W5 flow meter failure.

Date	Parameter Average flow		Temperature	
	Units	m ³ /day	°C	
	Limit	350,000	36	
01 January 2022	41,357	350,000	20.8	36
02 January 2022	41,301	350,000	19.4	36
03 January 2022	41,258	350,000	18.9	36
04 January 2022	41,402	350,000	13.1	36
05 January 2022	41,993	350,000	10.3	36
06 January 2022	42,248	350,000	13.5	36
07 January 2022	41,855	350,000	12.1	36
08 January 2022	39,992	350,000	13.5	36
09 January 2022	39,975	350,000	12.7	36
10 January 2022	40,600	350,000	15.3	36
11 January 2022	40,310	350,000	15.6	36
12 January 2022	39,939	350,000	12.1	36
13 January 2022	40,025	350,000	10.7	36
14 January 2022	39,719	350,000	11.2	36
15 January 2022	39,665	350,000	13.4	36
16 January 2022	39,798	350,000	12.8	36
17 January 2022	12,102	350,000	9.2	36
18 January 2022	59,310	350,000	9.5	36
19 January 2022	54,569	350,000	13.4	36
20 January 2022	53,488	350,000	10.7	36
21 January 2022	53,456	350,000	7.3	36
22 January 2022	53,140	350,000	8.5	36
23 January 2022	52,773	350,000	9.4	36
24 January 2022	52,883	350,000	10.2	36
25 January 2022	52,175	350,000	10.6	36
26 January 2022	52,074	350,000	12.2	36
27 January 2022	52,102	350,000	12.8	36
28 January 2022	52,116	350,000	10.8	36
29 January 2022	52,099	350,000	14.0	36
30 January 2022	52,102	350,000	11.0	36
31 January 2022	52,058	350,000	12.2	36
01 February 2022	52,086	350,000	15.1	36
02 February 2022	51,766	350,000	15.1	36
03 February 2022	51,898	350,000	14.7	36
04 February 2022	51,852	350,000	13.3	36
05 February 2022	51,696	350,000	13.2	36
06 February 2022	51,767	350,000	15.2	36
07 February 2022	52,421	350,000	12.0	36
08 February 2022	52,287	350,000	15.8	36
09 February 2022	51,795	350,000	14.7	36
10 February 2022	51,765	350,000	12.5	36
11 February 2022	51,461	350,000	11.6	36
12 February 2022	50,823	350,000	14.8	36
13 February 2022	50,872	350,000	16.2	36
14 February 2022	50,773	350,000	14.0	36
15 February 2022	50,661	350,000	14.9	36
16 February 2022	50,651	350,000	16.6	36
17 February 2022	50,584	350,000	16.1	36
18 February 2022	49,857	350,000	16.2	36
19 February 2022	50,123	350,000	15.8	36
20 February 2022	50,267	350,000	17.1	36
21 February 2022	50,404	350,000	16.0	36
22 February 2022	50,381	350,000	17.6	36
23 February 2022	50,008	350,000	17.6	36
24 February 2022	50,276	350,000	16.7	36
25 February 2022	49,410	350,000	15.6	36
26 February 2022	47,867	350,000	16.8	36
27 February 2022	47,439	350,000	16.9	36
28 February 2022	46,069	350,000	17.6	36
01 March 2022	45,159	350,000	16.3	36
02 March 2022	44,624	350,000	17.3	36
03 March 2022	44,806	350,000	17.1	36
04 March 2022	44,979	350,000	15.1	36
05 March 2022	44,504	350,000	13.8	36
06 March 2022	44,378	350,000	14.5	36
07 March 2022	44,339	350,000	15.6	36
08 March 2022	44,853	350,000	16.0	36
09 March 2022	44,900	350,000	17.4	36
10 March 2022	44,561	350,000	17.8	36
11 March 2022	44,488	350,000	17.9	36
12 March 2022	44,621	350,000	17.7	36
13 March 2022	44,822	350,000	18.1	36
14 March 2022	44,389	350,000	17.0	36
15 March 2022	44,940	350,000	17.8	36
16 March 2022	45,787	350,000	15.9	36
17 March 2022	46,097	350,000	13.8	36
18 March 2022	46,413	350,000	16.9	36
19 March 2022	46,540	350,000	19.1	36
20 March 2022	46,808	350,000	18.4	36
21 March 2022	47,110	350,000	19.7	36
22 March 2022	47,326	350,000	21.8	36
23 March 2022	47,467	350,000	21.8	36
24 March 2022	47,386	350,000	19.1	36
25 March 2022	47,324	350,000	17.8	36
26 March 2022	47,147	350,000	18.9	36
27 March 2022	47,341	350,000	20.3	36
28 March 2022	47,387	350,000	18.4	36
29 March 2022	47,423	350,000	19.0	36
30 March 2022	47,346	350,000	14.9	36
31 March 2022	47,319	350,000	12.4	36
		350,000		36
		350,000		36
		350,000		36
		350,000		36
		350,000		36