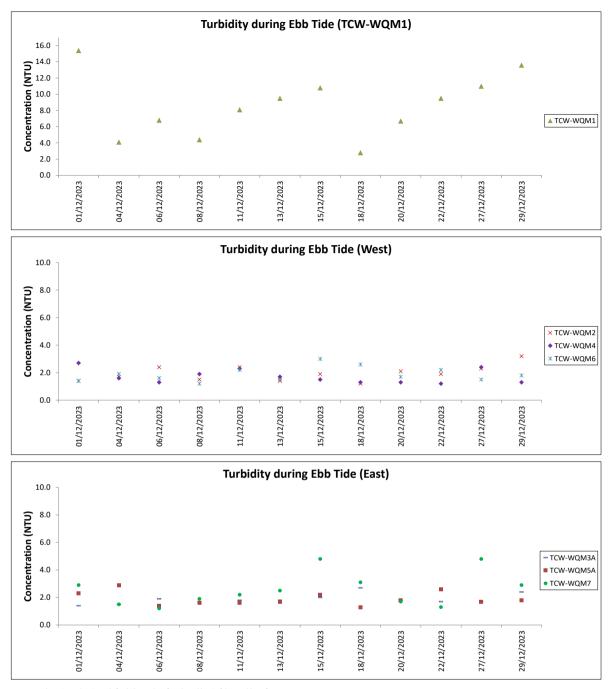
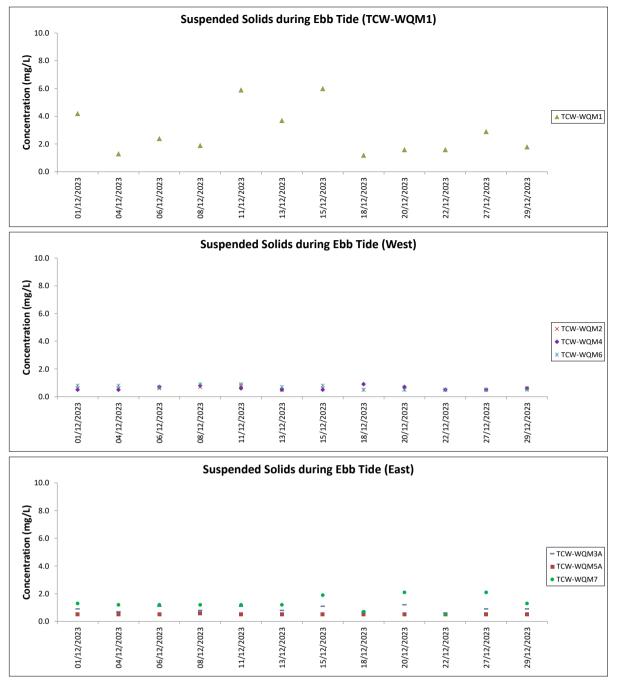


The Action and Limit Level of dissolved oxygen can be referred to Table 4.3 of the monthly EM&A report. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report. Weather conditions during monitoring are presented in the data tables above. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement. Note:



The Action and Limit Level of turbidity can be referred to Table 4.3 of the monthly EM&A report. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report. Weather conditions during monitoring are presented in the data tables above. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement. Note:



The Action and Limit Level of suspended solids can be referred to Table 4.3 of the monthly EM&A report. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report. Weather conditions during monitoring are presented in the data tables above. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement. Note:

Water Quality Monitoring

Water Quality Monitoring Results on 01 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	p	н	Salinit	y (ppt)		uctivity /cm)	DO Satur	ation (%)	Dissolved (mç		Turbidit	ty(NTU)		ded Solids ig/L)
g etation	Condition		Time	replicato	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Claudy	Bough	14:22	1st	24.1	24.1	8.8	8.8	22.93	22.94	36300	36300	94.1	92.0	6.9	6.8	15.5	15.4	4.1	4.2
	Cloudy	Rough	14:22	2nd	24.1	24.1	8.8	0.0	22.94	22.94	36300	36300	89.8	92.0	6.6	0.8	15.2	15.4	4.3	4.2
TOWNOND	Olavata		10.10	1st	21.7	04.7	7.3	7.0	0.02	0.00	37	07	81.0	77.0	7.1		1.4		0.5	
TCW-WQM2	Cloudy	NA	13:16	2nd	21.7	21.7	7.3	7.3	0.02	0.02	37	37	74.2	77.6	6.5	6.8	1.3	1.4	0.6	0.6
	Olavata		10.11	1st	21.7	04.7	8.0		0.03	0.00	64		107.2	407.0	9.4	0.4	1.4		0.9	
TCW-WQM3A	Cloudy	NA	12:44	2nd	21.7	21.7	8.0	8.0	0.03	0.03	64	64	107.1	107.2	9.4	9.4	1.4	1.4	0.9	0.9
TOWNOMA	Olavata		10.00	1st	21.2	01.0	6.5	0.5	0.02	0.00	43	40	46.8	10.0	4.2	10	2.6	0.7	<0.5	0.5
TCW-WQM4	Cloudy	NA	12:00	2nd	21.2	21.2	6.5	6.5	0.02	0.02	43	43	46.7	46.8	4.2	4.2	2.7	2.7	<0.5	<0.5
	Olavata		10.10	1st	21.4	04.4	7.9	7.0	0.02	0.00	42	40	97.3	07.4	8.6		2.2		<0.5	0.5
TCW-WQM5A	Cloudy	NA	12:19	2nd	21.4	21.4	7.9	7.9	0.02	0.02	42	42	97.4	97.4	8.6	8.6	2.3	2.3	<0.5	<0.5
TCW-WQM6	Olavata		10.50	1st	21.6	21.6	7.6	7.0	0.03	0.03	57		87.8	89.6	7.7	7.0	1.4		0.7	
	Cloudy	NA	13:53	2nd	21.6	21.6	7.5	7.6	0.03	0.03	57	57	91.4	89.6	8.1	7.9	1.4	1.4	0.8	0.8
TOWN	Olauat		10.00	1st	22.6	00.0	10.7	40.7	0.07	0.07	150	454	105.7	405.0	9.1		2.8		1.4	
TCW-WQM7	Cloudy	NA	13:39	2nd	22.6	22.6	10.7	10.7	0.07	0.07	151	151	106.0	105.9	9.2	9.2	2.9	2.9	1.2	- 1.3

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 04 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	p	н	Salinit	y (ppt)		uctivity /cm)	DO Satu	ration (%)	Dissolved (mç		Turbidit	ty(NTU)		ded Solids ig/L)
ine ing etailer	Condition		Time	replicato	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Claudy	Bough	08:06	1st	23.4	23.4	8.4	8.4	31.79	31.81	48700	48750	114.4	114.5	8.1	8.1	4.1	4.1	1.2	1.3
	Cloudy	Rough	00.00	2nd	23.4	23.4	8.4	0.4	31.82	31.01	48800	40750	114.5	114.5	8.1	0.1	4.1	4.1	1.4	1.5
TOWNOND	Olavata		00.45	1st	20.7	00.7	7.2	7.0	0.02	0.00	38	00	85.0	00.5	7.6	7.4	1.8	47	0.6	
TCW-WQM2	Cloudy	NA	09:15	2nd	20.7	20.7	7.2	7.2	0.02	0.02	38	- 38	80.0	82.5	7.2	7.4	1.6	1.7	0.5	0.6
	Olavata		00.40	1st	20.8	00.7	7.9	7.0	0.03	0.00	68		109.6	100.0	9.8	0.7	1.4	4.5	0.7	0.7
TCW-WQM3A	Cloudy	NA	09:42	2nd	20.7	20.7	7.9	7.9	0.03	0.03	70	69	107.6	108.6	9.6	9.7	1.5	1.5	0.7	0.7
TOWNOMA	Olavata		10.10	1st	21.0	01.0	7.3	7.0	0.02	0.00	47	47	47.3	47.4	4.2	10	1.6	10	<0.5	0.5
TCW-WQM4	Cloudy	NA	10:18	2nd	21.0	21.0	7.3	7.3	0.02	0.02	47	47	46.8	47.1	4.2	4.2	1.5	1.6	<0.5	<0.5
	Olavata		10.10	1st	21.0	01.0	8.1	0.4	0.02	0.00	42	10	84.4	04.0	7.5	7.0	3.0		<0.5	0.5
TCW-WQM5A	Cloudy	NA	10:46	2nd	21.0	21.0	8.1	8.1	0.02	0.02	42	42	84.8	84.6	7.6	7.6	2.7	2.9	<0.5	<0.5
TCW-WQM6	Olavata		00.40	1st	21.0	01.0	7.5	7.5	0.03	0.03	57		75.0	75.0	6.7	0.7	2.0	10	0.8	
	Cloudy	NA	08:46	2nd	21.0	21.0	7.5	7.5	0.03	0.03	57	57	75.4	75.2	6.7	6.7	1.8	1.9	0.8	0.8
TOWN	Olauat		00.00	1st	20.7	00.7	10.7	40.7	0.06	0.00	120	400	99.6	00.7	8.9		1.5	4.5	1.1	
TCW-WQM7	Cloudy	NA	08:30	2nd	20.7	20.7	10.7	10.7	0.06	0.06	120	120	99.7	99.7	9.0	9.0	1.5	1.5	1.2	- 1.2

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 06 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	р	н	Salinit	y (ppt)		uctivity /cm)	DO Satu	ration (%)	Dissolved (mç		Turbidi	ty(NTU)		ded Solids ng/L)
	Condition		Time	rtopilouto	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Claudy	Bough	08:06	1st	23.6	23.6	8.3	8.3	28.10	28.09	43600	43600	61.4	62.3	4.4	4.5	6.8	6.8	2.2	2.4
	Cloudy	Rough	00.00	2nd	23.6	23.0	8.3	0.3	28.08	20.09	43600	43000	63.1	02.3	4.6	4.5	6.8	0.0	2.5	- 2.4
	Claudu	NA	00:40	1st	20.5	20 F	7.2	7.2	0.02	0.02	37	07	70.7	<u> </u>	6.4		2.3	2.4	0.6	0.6
TCW-WQM2	Cloudy	NA	09:18	2nd	20.5	20.5	7.2	1.2	0.02	0.02	37	37	66.7	68.7	6.0	6.2	2.5	2.4	0.5	- 0.6
	Claudu		00.27	1st	20.6	20.6	7.8	7.8	0.03	0.00	65	05	86.8	85.6	7.8	7.7	1.7	1.9	1.0	1.1
TCW-WQM3A	Cloudy	NA	09:37	2nd	20.6	20.6	7.9	7.8	0.03	0.03	64	65	84.4	0.08	7.6	1.1	2.0	1.9	1.1	- 1.1
	Claudu	NA	10:10	1st	20.6	20.0	7.2	7.2	0.02	0.02	44		63.2	63.3	5.7	F 7	1.3	4.2	0.6	0.7
TCW-WQM4	Cloudy	NA	10:16	2nd	20.6	20.6	7.2	1.2	0.02	0.02	44	44	63.4	63.3	5.7	5.7	1.3	1.3	0.7	0.7
	Olausta		10.00	1st	20.5	00.5	7.9	7.0	0.02	0.00	43	10	108.1	100.0	9.8		1.4		<0.5	0.5
TCW-WQM5A	Cloudy	NA	10:39	2nd	20.5	20.5	7.9	7.9	0.02	0.02	43	43	107.9	108.0	9.7	9.8	1.4	1.4	<0.5	- <0.5
TCW-WQM6	Claudu		00.50	1st	20.8	20.8	7.7	77	0.03	0.00	57	<b>F7</b>	74.7	74.0	6.7	0.7	1.6	4.0	0.7	0.7
	Cloudy	NA	08:50	2nd	20.9	20.8	7.7	7.7	0.03	0.03	57	57	74.9	74.8	6.7	6.7	1.6	1.6	0.7	- 0.7
	Claude		00.20	1st	20.6	20.0	10.9	10.0	0.05	0.05	118	110	108.3	100.0	9.7	0.7	1.1	4.0	1.1	10
TCW-WQM7	Cloudy	NA	08:30	2nd	20.6	20.6	10.9	10.9	0.05	0.05	118	118	108.1	108.2	9.7	9.7	1.2	1.2	1.2	- 1.2

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 08 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate	Water Ter (°		p	Н	Salinit	y (ppt)		uctivity /cm)	DO Satur	ation (%)	Dissolved (mç		Turbidi	ty(NTU)		led Solids g/L)
monitoring clation	Condition		Time	ropilouto	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Bough	08:13	1st	22.0	22.0	8.4	8.4	28.86	28.92	44700	44800	33.8	34.0	2.5	2.5	4.5	4.4	1.8	1.9
	Sunny	Rough	00.13	2nd	22.0	22.0	8.4	- 0.4	28.97	20.92	44900	44000	34.1	34.0	2.5	2.5	4.3	4.4	1.9	1.9
	Current	NA	00:47	1st	18.5	40.5	7.5	7.4	0.02	0.02	40	40	80.2	00.4	7.5	7.5	1.6	4.5	0.7	- 0.7
TCW-WQM2	Sunny	NA	09:17	2nd	18.5	18.5	7.4	7.4	0.02	0.02	40	40	80.0	80.1	7.5	- 7.5	1.4	1.5	0.6	0.7
	Current	NA	00.54	1st	18.4	10.4	7.9	7.0	0.03	0.02	67	07	81.2	00.4	7.6	7.0	1.6	47	0.8	
TCW-WQM3A	Sunny	NA	09:54	2nd	18.4	18.4	7.9	7.9	0.03	0.03	67	67	79.6	80.4	7.5	7.6	1.7	1.7	0.8	- 0.8
TOWNOMA	0		10.00	1st	19.2	10.0	7.3	7.0	0.02	0.00	43	40	39.2		3.6		1.8	10	0.8	
TCW-WQM4	Sunny	NA	10:32	2nd	19.2	19.2	7.3	- 7.3	0.02	0.02	43	43	38.7	39.0	3.6	- 3.6	1.9	1.9	0.7	0.8
	0		40.54	1st	19.4	10.1	8.1	0.4	0.02	0.00	43	40	106.9	407.0	9.8		1.7	10	0.6	
TCW-WQM5A	Sunny	NA	10:54	2nd	19.5	19.4	8.1	- 8.1	0.02	0.02	42	43	107.1	107.0	9.8	9.8	1.5	- 1.6	0.5	- 0.6
TOWNON	0		00.47	1st	18.5	10.5	7.9	7.0	0.03	0.03	58	50	78.4	78.4	7.3	7.0	1.2	10	0.9	
TCW-WQM6	Sunny	NA	08:47	2nd	18.5	18.5	7.8	- 7.9	0.03	0.03	58	- 58	78.3	78.4	7.3	- 7.3	1.1	1.2	0.8	- 0.9
	0		00.05	1st	17.7	47.7	10.8	40.0	0.06	0.00	125	405	100.8	100.0	9.6		2.0		1.2	1.0
TCW-WQM7	Sunny	NA	08:35	2nd	17.7	17.7	10.8	- 10.8	0.06	0.06	125	125	100.7	100.8	9.6	9.6	1.8	1.9	1.1	- 1.2

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

### Water Quality Monitoring Results on 11 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	р	Н	Salinit	y (ppt)		uctivity /cm)	DO Satur	ation (%)	Dissolved (mg		Turbidi	ty(NTU)		led Solids g/L)
inormornig etailorr	Condition		Time	riophicato	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cloudy	Dough	10:47	1st	24.5	24.5	8.7	8.7	33.52	- 33.55	51100	51150	56.5	55.4	3.9	3.8	8.1	- 8.1	5.8	5.9
	Cloudy	Rough	10.47	2nd	24.5	24.5	8.7	0.7	33.57	- 33.55	51200	51150	54.2	55.4	3.7	3.0	8.1	0.1	6.0	5.9
	Claudu	NA	44.05	1st	22.9	22.0	7.7	77	0.02	0.02	39	20	75.9	75.0	6.5	0.5	2.5	2.4	0.8	- 0.8
TCW-WQM2	Cloudy	NA	11:25	2nd	23.0	22.9	7.7	7.7	0.02	0.02	39	39	74.4	75.2	6.4	6.5	2.2	2.4	0.8	0.8
	Claudu	NA	44.57	1st	23.7	00 F	8.1	8.1	0.03	0.03	72	74	97.4	02.4	8.3		1.7	4.0	1.2	
TCW-WQM3A	Cloudy	NA	11:57	2nd	23.4	23.5	8.0	8.1	0.03	0.03	70	71	89.4	93.4	7.6	8.0	1.9	- 1.8	1.0	- 1.1
TOWNOMA	Olavaha	NA	10.10	1st	22.1	22.1	7.2	7.2	0.02	0.02	45	45	46.1	46.1	4.0	10	2.3	2.3	0.6	
TCW-WQM4	Cloudy	NA	12:40	2nd	22.1	22.1	7.2	1.2	0.02	0.02	45	45	46.1	40.1	4.0	4.0	2.3	2.3	0.5	0.6
	Olavaha		10.50	1st	23.3	00.0	8.2		0.02	0.00	43	40	94.6	04.0	8.1		1.7	4.0	<0.5	
TCW-WQM5A	Cloudy	NA	12:56	2nd	23.3	23.3	8.2	8.2	0.02	0.02	43	43	93.9	94.3	8.0	8.1	1.5	- 1.6	<0.5	<0.5
	Claudu	NA	40:24	1st	22.6	22.6	6.9		0.03	0.03	59	50	78.6	78.4	6.8		2.2	2.2	0.8	
TCW-WQM6	Cloudy	NA	10:24	2nd	22.6	22.0	6.9	6.9	0.03	0.03	59	59	78.1	78.4	6.8	6.8	2.2	2.2	0.9	0.9
	Claude	NIA	10:01	1st	23.7	00.7	10.5	10.5	0.06	0.00	121	101	112.6	440.5	9.5	0.5	2.2		1.2	10
TCW-WQM7	Cloudy	NA	10:01	2nd	23.7	23.7	10.5	10.5	0.06	0.06	121	121	112.3	112.5	9.5	9.5	2.1	- 2.2	1.2	- 1.2

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

### Water Quality Monitoring Results on 13 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate	Water Te	mperature C)	р	Н	Salinit	y (ppt)		uctivity /cm)	DO Satur	ation (%)	Dissolved (mg		Turbidi	ty(NTU)		led Solids g/L)
inennen ig etallen	Condition		Time	riophicato	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cloudy	Dough	13:20	1st	23.9	23.9	8.5	8.5	29.56	- 29.56	45700	45650	64.5	62.4	4.6	4.5	9.7	9.5	3.8	- 3.7
	Cloudy	Rough	13.20	2nd	23.9	23.9	8.5	0.0	29.56	29.50	45600	45050	60.3	02.4	4.3	4.5	9.3	9.5	3.5	5.7
	Claudu	NA	10:10	1st	22.7	00.7	7.2	7.0	0.02	0.02	38	20	70.3	70.0	6.1	0.4	1.4		<0.5	.0.5
TCW-WQM2	Cloudy	NA	12:12	2nd	22.7	22.7	7.2	7.2	0.02	0.02	38	- 38	70.3	70.3	6.1	6.1	1.3	1.4	<0.5	<0.5
	Claudu	NA	14.50	1st	22.8	22.0	7.9	7.0	0.03	0.03	65	05	80.7	00.0	6.9	7.0	1.8	4.0	0.9	
TCW-WQM3A	Cloudy	NA	11:50	2nd	22.8	22.8	7.9	7.9	0.03	0.03	65	65	81.1	80.9	7.0	7.0	1.7	- 1.8	0.7	0.8
	Claudu	NA	10.50	1st	22.4	22.4	6.6		0.02	0.02	47	47	45.2	44.7	3.9	3.9	1.7	1.7	<0.5	<0.5
TCW-WQM4	Cloudy	NA	10:56	2nd	22.4	22.4	6.6	6.6	0.02	0.02	47	47	44.2	44.7	3.8	3.9	1.7	1.7	<0.5	<0.5
	Olavaha		11.10	1st	22.6	00.0	7.8	7.0	0.02	0.00	44		90.1	90.0	7.8	7.0	1.5	47	<0.5	
TCW-WQM5A	Cloudy	NA	11:16	2nd	22.6	22.6	7.8	7.8	0.02	0.02	44	44	89.8	90.0	7.8	7.8	1.8	- 1.7	<0.5	<0.5
	Claudu	NA	40.50	1st	22.6	22.6	7.7	7.7	0.03	0.03	61	61	66.2	66.6	5.7	5.0	1.5	4.5	0.6	0.7
TCW-WQM6	Cloudy	NA	12:53	2nd	22.6	22.0	7.7	1.1	0.03	0.03	61	01	66.9	00.0	5.8	5.8	1.5	- 1.5	0.8	0.7
	Claude	NIA	10:00	1st	23.7	00.7	11.0	11.0	0.08	0.00	171	170	102.3	402.0	8.7	0.7	2.5	0.5	1.1	10
TCW-WQM7	Cloudy	NA	12:39	2nd	23.7	23.7	11.0	11.0	0.08	0.08	169	170	102.0	102.2	8.6	8.7	2.4	2.5	1.2	- 1.2

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

### Water Quality Monitoring Results on 15 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate	Water Ter (°		p	эΗ	Salinit	y (ppt)		uctivity /cm)	DO Satur	ration (%)	Dissolved (mg		Turbidi	ty(NTU)		led Solids g/L)
inclutering etation	Condition		Time	rophotic	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	13:39	1st	26.4	26.4	8.0	8.0	27.80	27.96	43200	43400	73.2	71.6	5.0	4.9	11.0	10.8	5.6	- 6.0
	Sunny	Rough	13.39	2nd	26.4	20.4	8.1	0.0	28.11	27.90	43600	43400	69.9	71.0	4.8	4.9	10.5	10.8	6.3	0.0
TCW-WQM2	Sunny	NA	12:33	1st	24.5	24.5	7.6	7.6	0.02	0.02	38	- 38	69.8	67.2	5.8	5.6	2.0	1.9	0.6	0.6
	Sunny	NA	12.33	2nd	24.6	24.5	7.6	7.0	0.02	0.02	38	- 30	64.6	07.2	5.4	5.0	1.8	1.9	0.6	0.6
TCW-WQM3A	Sunny	NA	11:58	1st	24.4	24.3	8.0	7.9	0.03	0.03	69	69	89.5	85.0	7.5	7.1	2.1	2.0	1.2	- 1.1
	Sunny	NA	11.50	2nd	24.2	24.3	7.9	7.9	0.03	0.03	68	- 69	80.5	- 65.0	6.7	7.1	1.9	2.0	1.0	1.1
TCW-WQM4	Sunny	NA	11:05	1st	22.7	22.7	6.6	6.6	0.02	0.02	47	47	42.5	44.6	3.7	3.9	1.4	1.5	<0.5	- <0.5
	Sunny	NA	11.05	2nd	22.7	22.1	6.6	0.0	0.02	0.02	46	47	46.6	44.0	4.0	3.9	1.5	1.5	<0.5	<0.5
TCW-WQM5A	Current	NA	11:35	1st	24.0	24.0	7.9	7.9	0.02	0.02	44	44	81.1	81.1	6.8	6.8	2.2	2.2	<0.5	.0.5
	Sunny	NA	11:35	2nd	24.0	24.0	7.9	7.9	0.02	0.02	44	44	81.0	81.1	6.8	0.8	2.1	2.2	<0.5	- <0.5
TCW-WQM6	Suppy	NA	13:08	1st	23.7	23.6	7.7	7.6	0.03	0.03	63	- 63	65.8	68.6	5.6	5.9	3.1	- 3.0	0.8	- 0.8
	Sunny	NA	13.00	2nd	23.5	23.0	7.6	7.0	0.03	0.03	62	- 63	71.3	00.0	6.1	5.9	2.9	3.0	0.8	0.0
TCW-WQM7	Suppris	NA	10,50	1st	28.3	28.3	10.9	- 10.9	0.11	0.11	237	240	106.6	106.2	8.3	8.3	4.9	4.8	1.8	1.0
	Sunny	INA	12:53	2nd	28.2	20.3	10.8	10.9	0.11	0.11	242	240	105.8	100.2	8.3	0.3	4.7	4.0	1.9	- 1.9

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

### Water Quality Monitoring Results on 18 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate	Water Ter (°		p	Н	Salinit	y (ppt)		uctivity 5/cm)	DO Satu	ration (%)	Dissolved (mç		Turbidi	ty(NTU)		led Solids g/L)
monitoring otation	Condition		Time	ropilouto	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Bough	08:04	1st	20.3	20.3	8.2	8.2	30.29	30.41	46800	46950	112.3	111.1	8.5	8.4	2.7	2.8	1.1	1.2
	Sunny	Rough	00.04	2nd	20.3	20.3	8.2	0.2	30.52	- 30.41	47100	46950	109.9	111.1	8.3	0.4	2.9	2.0	1.2	1.2
	Current		00:40	1st	17.7	17.7	7.4	7.4	0.02	0.02	41	44	71.4	74.0	6.8		1.2	1.2	0.5	0.5
TCW-WQM2	Sunny	NA	09:19	2nd	17.7	17.7	7.4	- 7.4	0.02	0.02	41	41	70.5	71.0	6.7	6.8	1.2	1.2	0.5	0.5
	Current		00.20	1st	17.5	47.5	7.9	7.0	0.03	0.03	64	64	84.9	02.4	8.1		2.6	2.7	0.7	0.7
TCW-WQM3A	Sunny	NA	09:38	2nd	17.5	17.5	7.9	- 7.9	0.03	0.03	63	- 64	81.9	83.4	7.8	8.0	2.7	2.7	0.6	0.7
	Current		10:11	1st	18.2	18.2	7.3	- 7.3	0.02	0.02	47	47	47.8	50.1	4.5	4.0	1.3	4.0	0.9	- 0.9
TCW-WQM4	Sunny	NA	10:14	2nd	18.2	18.2	7.3	7.3	0.02	0.02	47	47	52.4	50.1	5.0	4.8	1.2	- 1.3	0.8	0.9
TCW-WQM5A	Current		10:20	1st	17.9	17.9	8.0		0.02	0.02	45	45	86.8	86.6	8.2	8.2	1.3	4.0	<0.5	.0.5
	Sunny	NA	10:39	2nd	17.9	17.9	8.0	- 8.0	0.02	0.02	45	- 45	86.4	80.0	8.2	8.2	1.2	- 1.3	<0.5	- <0.5
	Current	NA	00.50	1st	18.1	18.1	7.2	7.2	0.04	0.04	87	87	74.0	74.4	7.0	7.1	2.5	2.6	<0.5	.0.5
TCW-WQM6	Sunny	NA	08:53	2nd	18.1	18.1	7.2	1.2	0.04	0.04	86	87	74.8	74.4	7.1	7.1	2.6	2.0	<0.5	- <0.5
	Current	NA	00.00	1st	17.5	47.5	9.9		0.25	0.00	510	500	101.5	101.0	9.7	0.7	3.1	2.4	0.6	0.7
TCW-WQM7	Sunny	NA	08:33	2nd	17.5	17.5	9.9	9.9	0.26	0.26	541	526	101.0	101.3	9.6	9.7	3.1	- 3.1	0.7	0.7

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

### Water Quality Monitoring Results on 20 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate	Water Ter (°	-	p	н	Salinit	y (ppt)		uctivity 5/cm)	DO Satu	ration (%)	Dissolved (mç		Turbidi	ty(NTU)		led Solids g/L)
	Condition		Time	ropilouo	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cloudy	Bough	08:07	1st	18.9	18.9	8.4	8.5	30.32	30.35	46900	46950	58.6	59.2	4.5	4.6	6.8	6.7	1.7	- 1.6
	Cloudy	Rough	00.07	2nd	18.9	10.9	8.5	0.0	30.37	- 30.35	47000	46950	59.7	59.2	4.6	4.0	6.6	0.7	1.4	1.0
TCW-WQM2	Claudu	NA	09:15	1st	16.3	16.3	7.3	7.3	0.02	0.02	38	20	77.2	76.0	7.6	7.5	2.2	2.1	<0.5	- <0.5
	Cloudy	NA	09:15	2nd	16.3	16.3	7.3	- 7.3	0.02	0.02	38	- 38	74.7	76.0	7.3	7.5	2.0	2.1	<0.5	<0.5
	Olavata		00.40	1st	15.9	45.0	7.9	7.0	0.03	0.00	66	00	95.2	05.4	9.4		1.8	1.0	1.1	
TCW-WQM3A	Cloudy	NA	09:40	2nd	15.9	15.9	7.9	- 7.9	0.03	0.03	66	- 66	94.9	95.1	9.4	9.4	1.7	- 1.8	1.3	- 1.2
TOWNOMA	Olavata		40.04	1st	16.6	10.0	7.2	7.0	0.02	0.00	44		46.7	45.4	4.6		1.3	10	0.6	0.7
TCW-WQM4	Cloudy	NA	10:21	2nd	16.6	16.6	7.2	- 7.2	0.02	0.02	44	44	43.5	45.1	4.2	4.4	1.3	- 1.3	0.7	0.7
	Olavata		10.10	1st	16.3	10.0	8.0		0.02	0.00	44		104.2	101.0	10.2	10.0	1.9	4.0	<0.5	
TCW-WQM5A	Cloudy	NA	10:48	2nd	16.3	16.3	8.1	- 8.0	0.02	0.02	44	44	103.8	104.0	10.2	10.2	1.6	- 1.8	<0.5	- <0.5
TCW-WQM6	Olavata		00.40	1st	16.7	16.8	7.7	7.7	0.03	0.00	59	50	78.2	78.5	7.6	77	1.7	1.7	<0.5	0.5
	Cloudy	NA	08:48	2nd	16.8	16.8	7.7	1.1	0.03	0.03	59	- 59	78.8	78.5	7.7	7.7	1.6	1.7	<0.5	- <0.5
TOWN	Olauat		00.05	1st	15.5	45.4	10.6	10.0	0.08	0.00	167	400	103.6	101.0	10.3	40.4	1.7	4.7	2.0	
TCW-WQM7	Cloudy	NA	08:35	2nd	15.4	15.4	10.6	- 10.6	0.08	0.08	165	166	104.3	104.0	10.4	10.4	1.6	1.7	2.2	- 2.1

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 22 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	р	н	Salinit	y (ppt)		uctivity /cm)	DO Satur	ation (%)	Dissolved (mç	d Oxygen g/L)	Turbidi	ty(NTU)		led Solids g/L)
	Condition		Time	· topilouto	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Claudu	Daugh	07:54	1st	12.9	12.9	8.4	8.4	21.69	21.70	35000	35000	80.2	80.1	7.4	7.4	9.5	9.5	1.6	- 1.6
	Cloudy	Rough	07:54	2nd	12.9	12.9	8.4	- 8.4	21.71	21.70	35000	35000	79.9	80.1	7.4	7.4	9.5	9.5	1.5	1.0
TOWNOND	Olausta		00.40	1st	13.7	40.7	7.6	7.5	0.02	0.00	43	40	75.8	75.0	7.9	7.0	1.8	10	<0.5	
TCW-WQM2	Cloudy	NA	08:46	2nd	13.7	13.7	7.5	- 7.5	0.02	0.02	43	43	75.8	75.8	7.9	- 7.9	1.9	1.9	<0.5	- <0.5
	Olausta		00.07	1st	13.3	40.0	7.9	7.0	0.03	0.00	64	0.1	89.8	00.5	9.4		1.7	47	0.6	
TCW-WQM3A	Cloudy	NA	09:07	2nd	13.3	13.3	7.9	- 7.9	0.03	0.03	64	64	89.1	89.5	9.3	9.4	1.6	1.7	0.6	- 0.6
TOWNORA	Olausta		00.44	1st	14.2	110	7.2	7.0	0.02	0.00	45	45	57.5	50.0	5.9	5.0	1.1	10	0.5	0.5
TCW-WQM4	Cloudy	NA	09:41	2nd	14.2	14.2	7.2	- 7.2	0.02	0.02	45	45	56.1	56.8	5.8	5.9	1.2	1.2	0.5	- 0.5
	Olausta		10.10	1st	13.7	40.7	8.0		0.02	0.00	44		92.9	00.0	9.6	0.7	2.5		<0.5	
TCW-WQM5A	Cloudy	NA	10:13	2nd	13.7	13.7	8.0	- 8.0	0.02	0.02	44	44	93.6	93.3	9.7	9.7	2.7	2.6	<0.5	- <0.5
TOWNON				1st	14.3		8.0		0.03		64		83.8	00.5	8.6		2.2		<0.5	
TCW-WQM6	Cloudy	NA	08:26	2nd	14.3	14.3	7.9	- 8.0	0.03	0.03	64	64	83.2	83.5	8.5	- 8.6	2.1	2.2	<0.5	- <0.5
	Olaud		00.40	1st	12.0	10.0	10.6	10.0	0.07	0.07	149	4.40	103.3	100.0	11.1	11.0	1.3	10	0.5	
TCW-WQM7	Cloudy	NA	08:16	2nd	12.0	12.0	10.6	- 10.6	0.07	0.07	147	148	103.9	103.6	11.2	11.2	1.2	1.3	0.5	- 0.5

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 27 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature		эΗ	Salinit	y (ppt)		uctivity 5/cm)	DO Satu	ation (%)	Dissolved (mç		Turbidi	ty(NTU)		led Solids g/L)
ine ing etailer	Condition		Time	riophodio	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Current	Dauah	12:47	1st	20.7	20.7	8.6	8.6	32.64	32.65	50000	50000	89.5	88.7	6.6	6.6	10.7	11.0	3.0	2.9
	Sunny	Rough	12.47	2nd	20.7	20.7	8.6	0.0	32.65	32.00	50000	50000	87.9	00.7	6.5	0.0	11.3	11.0	2.8	2.9
TCW-WQM2	Current	NA	11:42	1st	16.9	16.9	7.4	7.4	0.02	0.02	38	- 38	81.4	80.5	7.9	7.8	2.3	2.3	<0.5	- <0.5
	Sunny	NA	11:42	2nd	16.9	16.9	7.4	7.4	0.02	0.02	38	- 38	79.5	80.5	7.7	7.8	2.2	2.3	<0.5	<0.5
	Current	NA	11:04	1st	16.2	16.2	7.9	- 7.9	0.04	0.04	85	- 85	99.4	98.1	9.8	9.7	1.7	1.7	0.8	- 0.9
TCW-WQM3A	Sunny	NA	11:04	2nd	16.2	16.2	7.9	7.9	0.04	0.04	85	65	96.8	98.1	9.5	9.7	1.6	1.7	0.9	0.9
TOWNOMA	0		10.00	1st	16.5	40.4	6.5	0.5	0.02	0.00	44		60.5	00.4	5.9	5.0	2.2	0.4	<0.5	0.5
TCW-WQM4	Sunny	NA	10:20	2nd	16.4	16.4	6.5	- 6.5	0.02	0.02	44	44	59.7	60.1	5.9	5.9	2.5	2.4	<0.5	- <0.5
	Current	NA	10:20	1st	16.0	10.0	7.5	7.5	0.02	0.02	44		104.3	104.3	10.3	10.0	1.8	47	<0.5	.0.5
TCW-WQM5A	Sunny	NA	10:39	2nd	16.0	16.0	7.5	- 7.5	0.02	0.02	43	44	104.3	104.3	10.3	10.3	1.5	1.7	<0.5	- <0.5
TCW-WQM6	Current	NA	12:19	1st	17.9	17.9	8.1	- 8.1	0.03	0.03	67	67	78.8	78.5	7.5	7.5	1.4	1.5	<0.5	- <0.5
	Sunny	NA	12:19	2nd	17.9	17.9	8.1	8.1	0.03	0.03	67	67	78.1	78.5	7.4	7.5	1.6	1.5	<0.5	<0.5
	Current	NA	10:00	1st	19.5	10.5	10.9	10.0	0.11	0.44	225	224	121.8	121.9	11.2	11.2	4.9	4.0	2.0	24
TCW-WQM7	Sunny	NA	12:09	2nd	19.5	19.5	10.9	- 10.9	0.11	0.11	222	224	121.9	121.9	11.2	11.2	4.6	4.8	2.2	- 2.1

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.

Water Quality Monitoring

Water Quality Monitoring Results on 29 December 2023 during Ebb Tide

Monitoring Station	Weather	Tidal Condition	Sampling	Replicate		mperature C)	p	Н	Salinit	y (ppt)		uctivity /cm)	DO Satu	ation (%)	Dissolved (mç	d Oxygen g/L)	Turbidit	y(NTU)		ded Solids ig/L)
	Condition		Time	. top louto	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cumpu	Dough	13:41	1st	21.9	21.9	8.5	8.5	29.41	29.34	45500	45400	123.7	122.8	9.1	9.1	13.6	13.6	1.7	- 1.8
	Sunny	Rough	13.41	2nd	21.9	21.9	8.5	0.0	29.26	29.34	45300	45400	121.8	122.0	9.0	9.1	13.6	13.0	1.9	1.0
TCW-WQM2	Current	NA	40.04	1st	19.1	19.1	7.5	7.5	0.02	0.02	38	- 38	74.1	74.3	6.9	6.9	3.1	3.2	0.5	0.6
TCW-WQIVI2	Sunny	NA	12:34	2nd	19.1	19.1	7.5	7.5	0.02	0.02	38	- 38	74.4	74.3	6.9	6.9	3.2	3.2	0.6	0.6
TCW-WQM3A	Cumpu	NA	40.00	1st	18.6	18.6	7.9	7.9	0.04	0.04	77	77	92.6	92.3	8.7	8.7	2.2	2.4	0.9	0.9
TCW-WQW3A	Sunny	NA	12:08	2nd	18.6	18.6	7.9	7.9	0.04	0.04	77		91.9	92.3	8.6	8.7	2.5	2.4	0.9	0.9
TCW-WQM4	Current	NA	44.20	1st	17.2	17.2	6.9	6.9	0.02	0.02	44	44	58.5	57.7	5.6	- 5.6	1.2	1.3	0.6	0.6
TCW-WQIVI4	Sunny	NA	11:30	2nd	17.2	17.2	6.9	6.9	0.02	0.02	44	44	56.9	57.7	5.5	5.0	1.4	1.3	0.6	0.6
	Current		44.40	1st	18.4	40.4	7.8	7.0	0.02	0.02	44		91.0	01.0	8.5		1.7	4.0	<0.5	.0.5
TCW-WQM5A	Sunny	NA	11:43	2nd	18.4	18.4	7.8	7.8	0.02	0.02	44	44	91.5	91.3	8.6	- 8.6	1.8	1.8	<0.5	<0.5
	Current		40:40	1st	19.4	10.4	7.8	7.0	0.03	0.02	61	64	75.1	74.7	6.9		1.7	4.0	<0.5	.0.5
TCW-WQM6	Sunny	NA	13:13	2nd	19.4	19.4	7.8	7.8	0.03	0.03	61	61	74.2	74.7	6.8	- 6.9	1.9	1.8	<0.5	<0.5
	Cumpu	NA	40.57	1st	22.8	22.0	11.2	44.0	0.11	0.44	227	220	109.3	400 F	9.4	0.5	2.8	2.0	1.3	4.2
TCW-WQM7	Sunny	NA	12:57	2nd	22.8	22.8	11.2	11.2	0.11	0.11	229	228	109.7	109.5	9.5	9.5	2.9	2.9	1.2	- 1.3

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

NA: This monitoring location is not subject to tidal effect.