

Appendix C – Baseline Water Quality Monitoring Data and Graphical Presentation

Water Quality Monitoring Location : TKW1

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	18:07	10	21.2	21.2	7.7	7.7	3.0	2.9	33.9	32.9	29.3	29.0	19.0	17.5
			21.2		7.7		2.8		31.8		28.6		16.0	
5/5/2022	15:02	10	21.5	21.5	7.5	7.5	2.9	2.9	33.0	32.4	3.4	3.6	4.5	4.3
			21.4		7.5		2.8		31.8		3.7		4.0	
7/5/2022	15:16	9	22.0	22.0	7.6	7.6	10.4	10.4	118.9	119.4	5.3	5.7	5.9	5.5
			22.0		7.6		10.4		119.8		6.1		5.0	
9/5/2022	10:41	7	21.3	21.3	7.5	7.5	10.5	10.5	118.4	118.3	5.4	5.8	5.0	5.5
			21.3		7.5		10.4		118.1		6.3		5.9	
12/5/2022	18:23	15	20.3	20.3	7.5	7.6	10.7	10.7	118.0	117.6	11.7	11.4	14.0	14.5
			20.3		7.6		10.6		117.2		11.1		15.0	
14/5/2022	16:10	16	25.7	25.7	8.5	8.5	8.7	8.7	107.2	107.1	4.8	4.6	2.4	2.3
			25.7		8.5		8.7		107.0		4.3		2.2	
16/5/2022	18:08	20	20.3	20.4	7.4	7.5	10.8	10.8	119.3	119.2	8.6	8.6	2.2	2.1
			20.4		7.5		10.7		119.1		8.5		1.9	
19/5/2022	13:00	18	22.5	22.5	7.8	7.8	6.3	6.1	73.8	71.1	12.9	12.5	<1.0	<1.0
			22.5		7.8		5.9		68.3		12.1		<1.0	
21/5/2022	17:14	17	21.3	21.3	8.3	8.3	4.7	4.7	53.1	52.5	3.8	3.7	2.5	2.4
			21.3		8.3		4.6		51.9		3.6		2.2	
24/5/2022	16:51	16	23.9	23.8	8.7	8.7	8.5	9.4	100.7	110.9	14.2	13.9	2.6	2.5
			23.7		8.7		10.2		121.1		13.5		2.3	
27/5/2022	17:15	17	26.4	26.4	8.4	8.4	9.4	9.4	117.1	117.1	55.8	59.5	54.0	53.5
			26.4		8.4		9.4		117.0		63.2		53.0	
29/5/2022	16:55	17	26.3	26.3	8.6	8.6	6.6	6.6	81.5	81.9	12.8	13.3	2.7	2.5
			26.3		8.6		6.6		82.2		13.7		2.3	

Water Quality Monitoring Location : TKW

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	18:12	20	21.4	21.4	7.5	7.5	2.4	2.5	27.1	27.7	24.6	24.6	20.0	21.0
			21.3		7.5		2.5		28.3		24.5		22.0	
5/5/2022	15:07	20	21.7	21.6	7.6	7.6	2.7	2.7	31.3	30.6	4.5	4.5	5.0	4.7
			21.6		7.6		2.6		29.8		4.4		4.3	
7/5/2022	15:22	19	21.5	21.5	7.4	7.4	10.3	10.3	116.6	116.5	11.5	11.9	9.5	9.8
			21.5		7.4		10.3		116.3		12.3		10.0	
9/5/2022	10:46	21	21.3	21.2	7.5	7.5	9.8	9.9	110.0	110.6	5.8	5.5	4.7	4.7
			21.1		7.4		9.9		111.2		5.2		4.7	
12/5/2022	18:30	24	20.2	20.3	7.6	7.7	9.3	9.5	103.1	104.3	18.5	17.7	16.0	16.0
			20.3		7.7		9.6		105.4		16.8		16.0	
14/5/2022	16:15	18	26.0	26.0	8.6	8.6	7.2	7.2	89.4	89.1	4.1	4.1	2.5	2.6
			26.0		8.6		7.2		88.8		4.0		2.6	
16/5/2022	18:12	22	20.4	20.3	7.7	7.7	9.9	9.9	110.6	110.5	7.7	7.6	2.8	3.0
			20.2		7.7		9.9		110.3		7.6		3.2	
19/5/2022	12:52	21	22.7	22.7	7.7	7.7	5.6	5.6	64.4	64.5	12.7	12.7	<1.0	<1.0
			22.7		7.7		5.6		64.6		12.7		<1.0	
21/5/2022	17:18	17	21.3	21.3	8.3	8.3	5.0	5.0	56.3	56.3	4.4	4.3	2.8	3.0
			21.3		8.3		5.0		56.3		4.1		3.2	
24/5/2022	16:26	19	24.0	23.8	8.7	8.7	7.9	8.4	93.9	99.1	12.3	13.0	2.7	2.7
			23.6		8.6		8.8		104.2		13.6		2.7	
27/5/2022	17:19	17	26.3	26.3	8.3	8.3	8.4	8.6	104.3	106.7	49.9	53.6	51.0	51.5
			26.3		8.3		8.8		109.0		57.3		52.0	
29/5/2022	17:00	17	25.8	25.8	8.5	8.5	5.2	5.1	64.5	63.2	13.1	13.3	2.7	2.8
			25.8		8.5		5.0		61.9		13.5		2.8	

Water Quality Monitoring Location : UI

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	17:01	3	21.2	21.2	7.7	7.7	4.6	4.6	51.7	51.5	5.2	5.1	4.3	4.2
			21.2		7.7		4.6		51.2		5.0		4.0	
5/5/2022	17:45	3	19.9	19.9	7.8	7.8	4.5	4.4	49.5	48.6	12.4	12.3	14.0	15.0
			19.9		7.7		4.3		47.7		12.2		16.0	
7/5/2022	14:00	6	21.6	21.6	7.6	7.6	9.2	9.0	105.1	102.6	4.8	4.9	7.5	7.6
			21.6		7.6		8.8		100.0		5.1		7.6	
9/5/2022	10:48	4	21.9	21.9	7.3	7.3	6.9	6.9	78.8	79.3	5.4	5.1	4.0	4.1
			21.9		7.3		6.9		79.8		4.7		4.2	
12/5/2022	17:40	4	20.7	20.7	7.6	7.6	10.1	10.2	115.5	116.4	8.2	7.6	22.0	25.0
			20.7		7.6		10.3		117.2		7.0		28.0	
14/5/2022	15:32	5	25.5	25.5	9.1	9.1	6.0	5.9	73.2	72.1	21.8	21.9	15.0	15.0
			25.5		9.1		5.8		70.9		22.0		15.0	
16/5/2022	17:45	5	21.3	21.4	8.3	8.3	10.1	10.3	114.2	116.6	8.1	8.4	3.7	3.8
			21.4		8.2		10.5		119.0		8.6		3.9	
19/5/2022	17:23	2	22.1	22.1	7.8	7.8	5.7	5.7	65.4	65.4	26.5	25.7	4.9	4.8
			22.0		7.7		5.7		65.3		24.9		4.7	
21/5/2022	16:16	4	21.3	21.3	8.3	8.3	6.1	6.1	69.1	68.7	9.2	9.3	7.5	7.4
			21.3		8.3		6.1		68.3		9.3		7.3	
24/5/2022	17:50	5	22.2	22.2	8.8	8.8	10.3	11.0	118.5	116.8	35.8	36.2	12.0	12.5
			22.2		8.8		10.0		115.1		36.6		13.0	
27/5/2022	16:26	4	26.8	26.8	7.9	7.9	8.6	8.6	107.9	107.8	52.0	52.6	36.0	34.5
			26.8		7.8		8.6		107.6		53.2		33.0	
29/5/2022	16:27	4	26.5	26.5	8.9	8.9	5.4	5.4	66.8	66.1	20.6	21.1	21.0	19.5
			26.5		8.9		5.3		65.4		21.5		18.0	

Water Quality Monitoring Location : SW

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	17:20	7	21.8	21.8	7.6	7.6	4.5	4.4	51.1	49.5	1.9	2.1	1.2	1.2
			21.8		7.6		4.2		47.8		2.3		1.1	
5/5/2022	18:25	7	20.8	20.8	7.6	7.6	3.6	3.6	39.7	39.2	8.5	8.6	9.7	9.6
			20.8		7.6		3.5		38.7		8.7		9.4	
7/5/2022	14:21	3	21.9	21.9	7.5	7.5	9.7	9.7	110.8	110.9	17.3	18.2	24.0	22.0
			21.9		7.5		9.7		110.9		19.0		20.0	
9/5/2022	10:09	13	21.1	21.4	7.5	7.5	6.2	6.4	70.2	72.3	9.3	9.3	9.0	8.6
			21.7		7.5		6.6		74.4		9.2		8.2	
12/5/2022	18:06	11	20.3	20.3	7.4	7.4	10.7	10.7	118.3	118.3	18.7	18.6	1.1	1.1
			20.3		7.4		10.7		118.2		18.4		1.0	
14/5/2022	15:47	9	25.7	25.7	8.5	8.5	6.8	6.7	83.8	82.1	6.5	6.5	6.9	6.9
			25.7		8.5		6.6		80.4		6.5		6.8	
16/5/2022	18:21	10	20.2	20.2	7.7	7.7	10.7	10.7	118.0	118.0	7.9	8.0	2.4	2.3
			20.2		7.7		10.7		117.9		8.1		2.1	
19/5/2022	17:45	10	22.9	22.9	7.7	7.7	6.0	6.0	70.3	69.5	11.9	11.6	1.8	1.7
			22.9		7.7		5.9		68.6		11.2		1.6	
21/5/2022	16:24	10	21.6	21.6	8.4	8.4	5.4	5.4	61.4	61.6	3.3	3.3	1.1	1.1
			21.6		8.4		5.4		61.8		3.4		<1.0	
24/5/2022	17:22	8	23.4	23.4	8.6	8.6	8.9	8.6	104.2	100.4	23.2	22.5	7.9	7.8
			23.4		8.6		8.2		96.5		21.8		7.7	
27/5/2022	17:01	10	26.4	26.4	8.3	8.3	9.1	9.1	112.7	112.7	16.1	17.1	9.6	9.8
			26.4		8.3		9.1		112.6		18.0		10.0	
29/5/2022	16:40	10	25.9	25.9	8.4	8.5	5.2	5.4	64.8	67.0	13.5	12.7	2.5	2.3
			25.9		8.5		5.5		69.2		11.9		2.1	

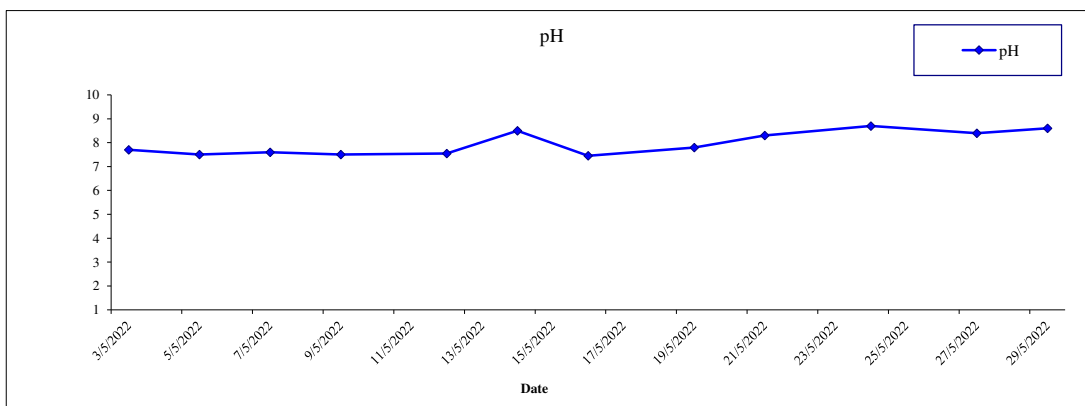
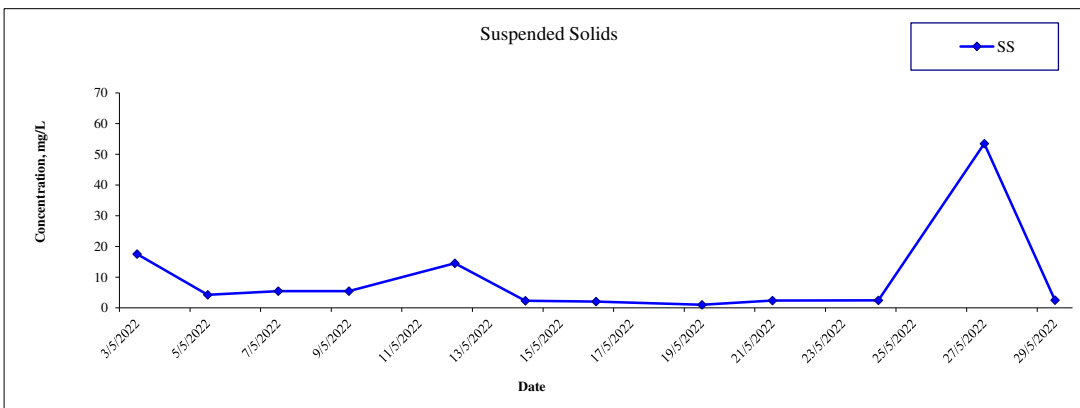
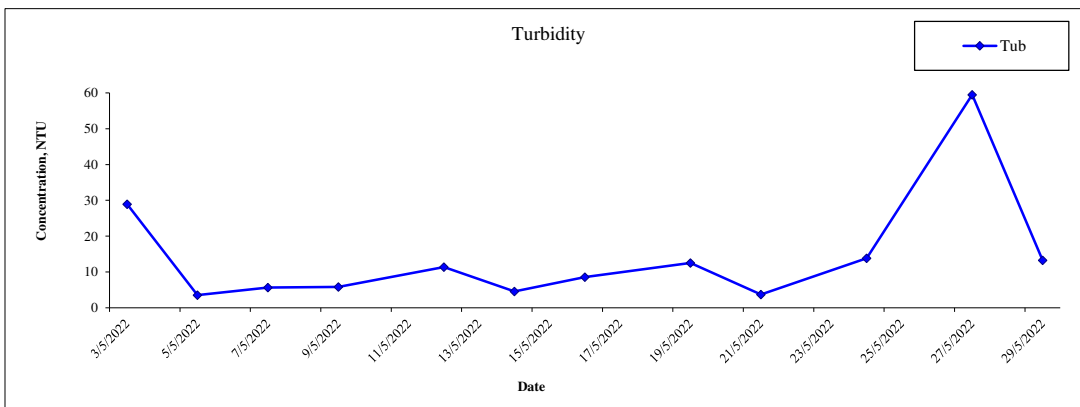
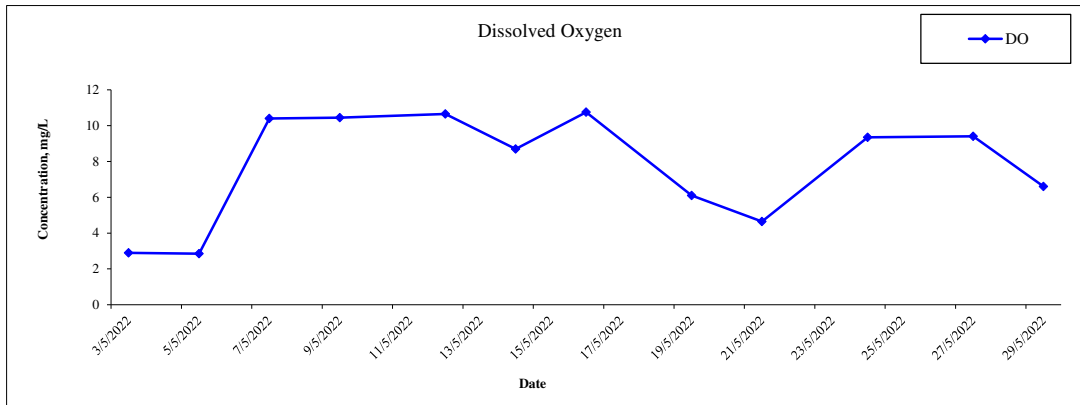
Water Quality Monitoring Location : U2

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	17:06	14	21.7	21.7	7.5	7.5	4.5	4.6	51.2	51.5	5.7	5.8	3.3	3.7
			21.7		7.5		4.6		51.7		5.9		4.0	
5/5/2022	18:06	14	20.3	20.3	7.4	7.4	3.4	3.4	37.7	37.6	2.5	2.7	1.3	1.4
			20.3		7.4		3.4		37.5		2.9		1.5	
7/5/2022	13:47	11	21.9	21.9	7.4	7.4	4.3	4.2	49.5	48.4	4.7	4.8	8.1	7.6
			21.9		7.4		4.1		47.3		4.9		7.0	
9/5/2022	10:05	17	21.7	21.7	7.5	7.5	6.3	6.6	72.5	75.3	9.8	9.4	9.2	8.9
			21.7		7.5		6.8		78.1		9.0		8.6	
12/5/2022	17:54	18	20.5	20.5	7.3	7.3	9.7	9.8	108.2	108.7	2.9	2.7	15.0	15.5
			20.5		7.3		9.8		109.1		2.5		16.0	
14/5/2022	15:36	21	25.9	25.9	8.6	8.6	9.1	9.1	112.5	112.5	3.5	3.3	2.2	2.3
			25.9		8.6		9.1		112.5		3.1		2.3	
16/5/2022	17:56	19	20.5	20.6	7.7	7.7	10.7	10.7	119.1	119.0	8.3	8.2	1.4	1.4
			20.6		7.6		10.7		118.9		8.0		1.3	
19/5/2022	18:18	21	23.2	23.2	7.4	7.4	6.1	6.1	71.9	71.1	11.7	11.7	1.4	1.4
			23.2		7.4		6.0		70.2		11.7		1.4	
21/5/2022	16:46	22	21.3	21.3	8.3	8.3	6.0	6.1	68.1	69.3	3.5	3.4	1.4	1.4
			21.3		8.3		6.2		70.4		3.3		1.3	
24/5/2022	17:35	20	23.1	23.2	8.4	8.5	10.5	10.2	122.3	118.5	10.8	11.0	1.8	2.0
			23.2		8.5		9.8		114.6		11.1		2.1	
27/5/2022	16:44	22	26.0	26.0	8.3	8.3	9.3	9.3	115.0	114.9	24.3	23.2	16.0	15.5
			26.0		8.3		9.3		114.8		22.1		15.0	
29/5/2022	16:46	22	26.3	26.3	8.5	8.5	5.0	5.0	62.1	61.4	12.9	13.0	4.8	4.5
			26.3		8.4		4.9		60.6		13.0		4.1	

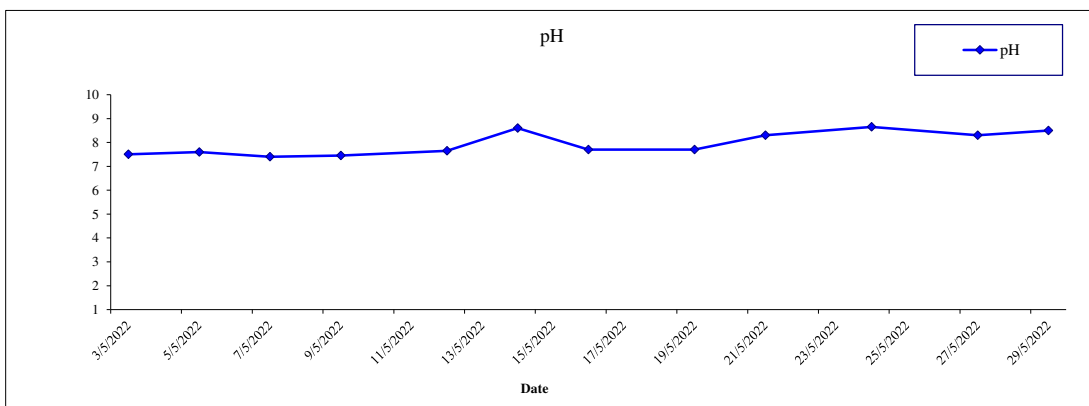
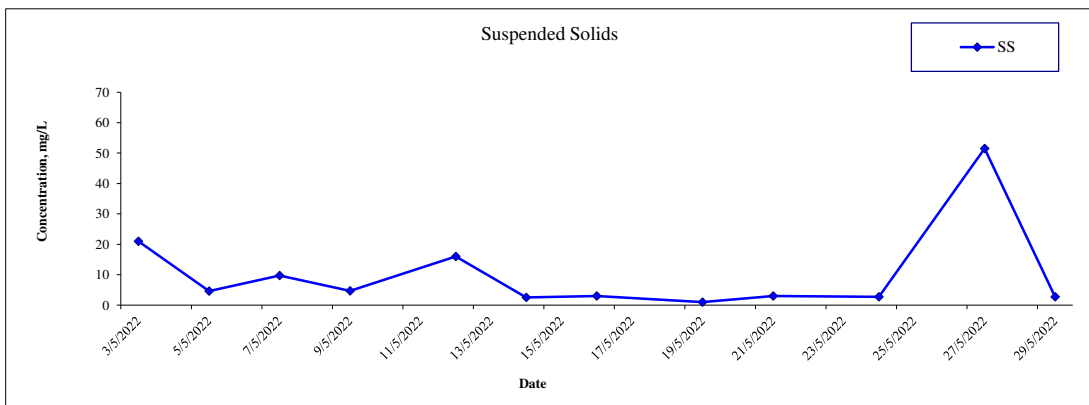
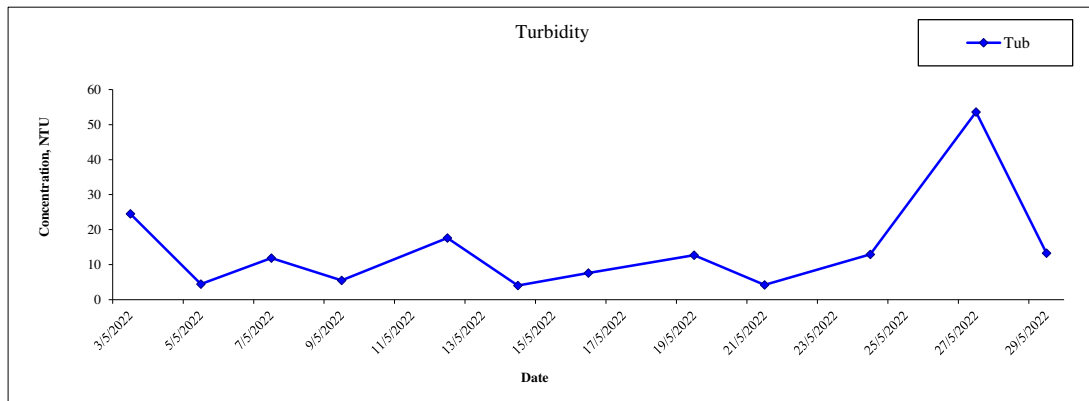
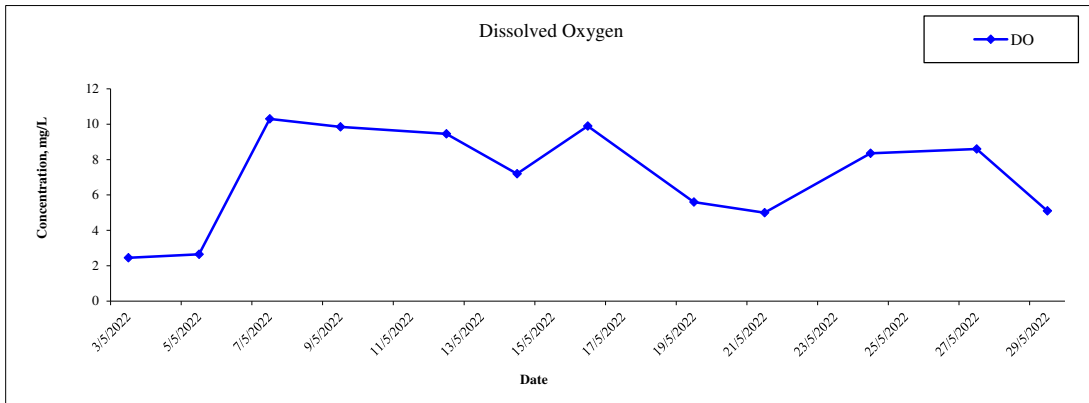
Water Quality Monitoring Location : HT

Date	Start Time	Water depth (cm)	Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3/5/2022	18:31	13	21.6	21.6	7.5	7.5	4.5	4.6	51.4	51.9	45.1	43.5	34.0	37.0
			21.6		7.5		4.6		52.4		41.8		40.0	
5/5/2022	19:11	13	21.2	21.2	7.5	7.5	2.2	2.2	24.9	24.8	7.3	7.4	7.8	7.2
			21.2		7.5		2.2		24.7		7.5		6.5	
7/5/2022	15:36	12	21.2	21.6	7.4	7.4	5.8	5.8	65.2	65.0	32.6	32.5	59.0	64.0
			21.9		7.3		5.7		64.7		32.4		69.0	
9/5/2022	11:16	16	21.3	21.3	7.5	7.5	5.9	5.9	66.4	66.0	26.8	29.1	27.0	28.5
			21.3		7.5		5.8		65.6		31.3		30.0	
12/5/2022	18:41	21	20.3	20.3	7.7	7.7	10.6	10.6	117.2	117.7	13.4	13.7	8.3	8.5
			20.3		7.7		10.6		118.1		13.9		8.6	
14/5/2022	16:18	10	26.1	26.1	8.7	8.7	9.2	9.2	114.1	113.9	2.8	3.0	1.7	1.7
			26.1		8.7		9.2		113.6		3.2		1.6	
16/5/2022	18:42	22	20.2	20.2	7.6	7.6	10.6	10.4	117.7	115.0	8.8	8.9	2.3	2.1
			20.2		7.6		10.2		112.3		8.9		1.9	
19/5/2022	17:59	10	22.6	22.6	7.6	7.6	6.2	6.1	71.7	70.2	12.7	12.7	<1.0	<1.0
			22.6		7.6		5.9		68.6		12.6		<1.0	
21/5/2022	17:37	9	21.4	21.4	8.4	8.4	3.5	3.5	39.5	38.5	3.1	3.0	<1.0	<1.0
			21.4		8.4		3.5		37.4		2.8		<1.0	
24/5/2022	17:09	7	23.5	23.6	8.6	8.6	9.3	9.3	109.1	109.1	9.8	10.1	<1.0	<1.0
			23.6		8.5		9.2		109.0		10.3		<1.0	
27/5/2022	16:52	9	25.8	25.8	8.4	8.4	9.9	9.7	121.7	118.7	20.5	20.5	33.0	31.5
			25.8		8.4		9.4		115.6		20.5		30.0	
29/5/2022	17:10	9	25.8	25.8	8.7	8.7	5.4	5.3	65.8	64.3	10.2	10.3	1.5	1.5
			25.7		8.7		5.1		62.7		10.3		1.5	

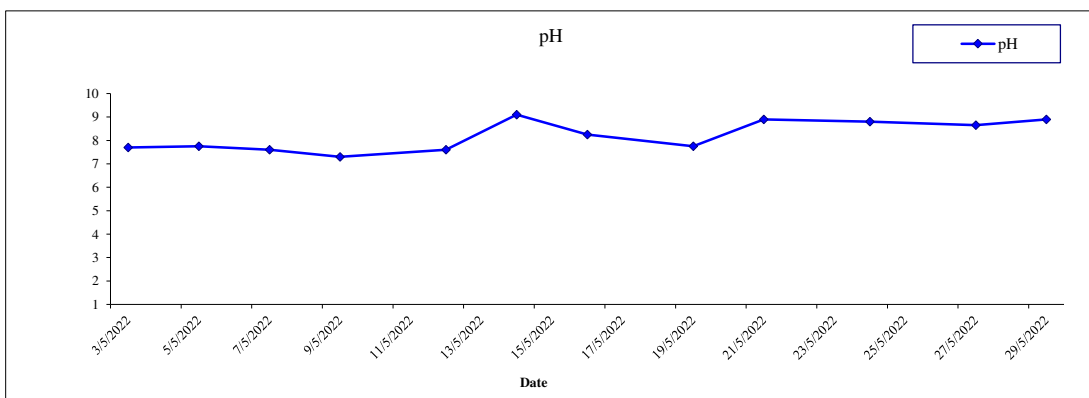
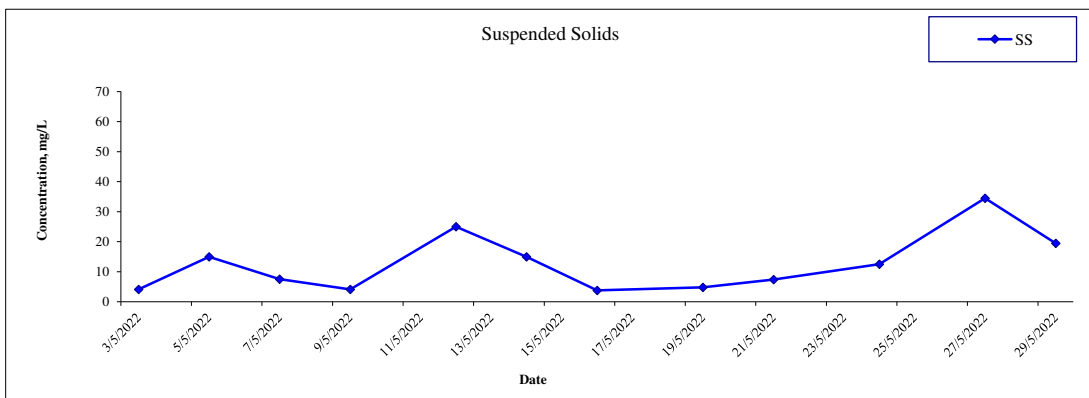
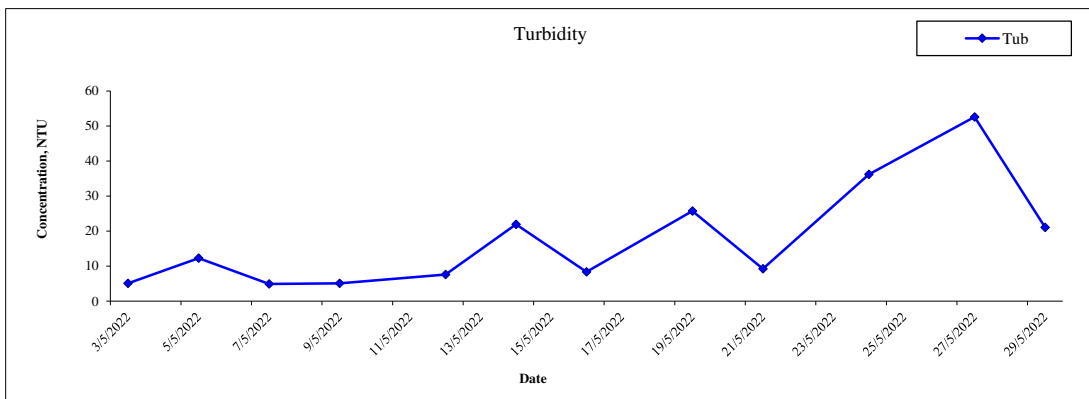
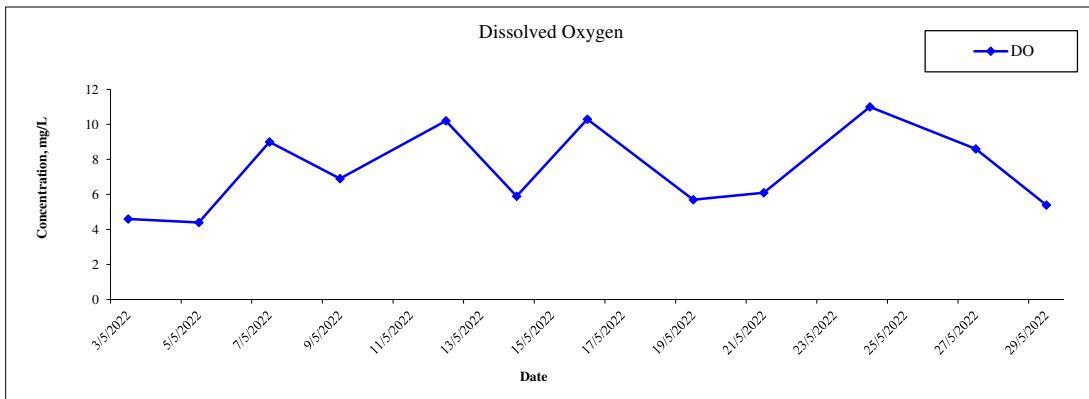
Monitoring Location: TKW1



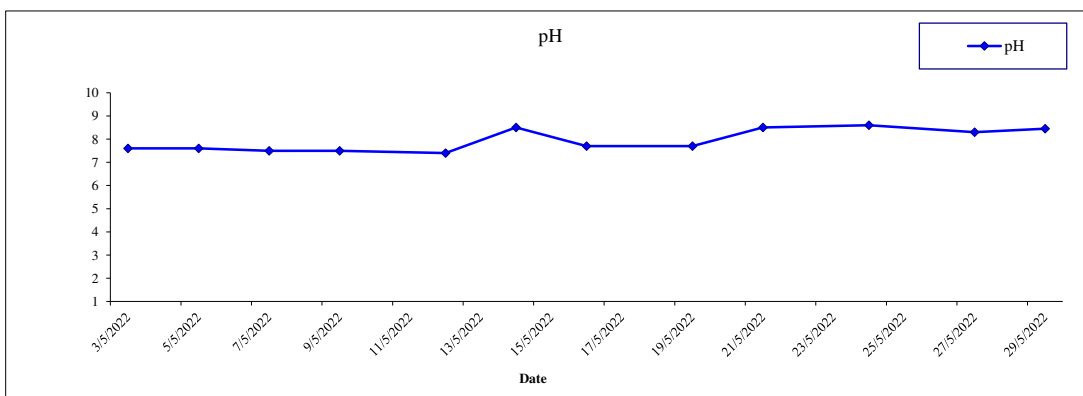
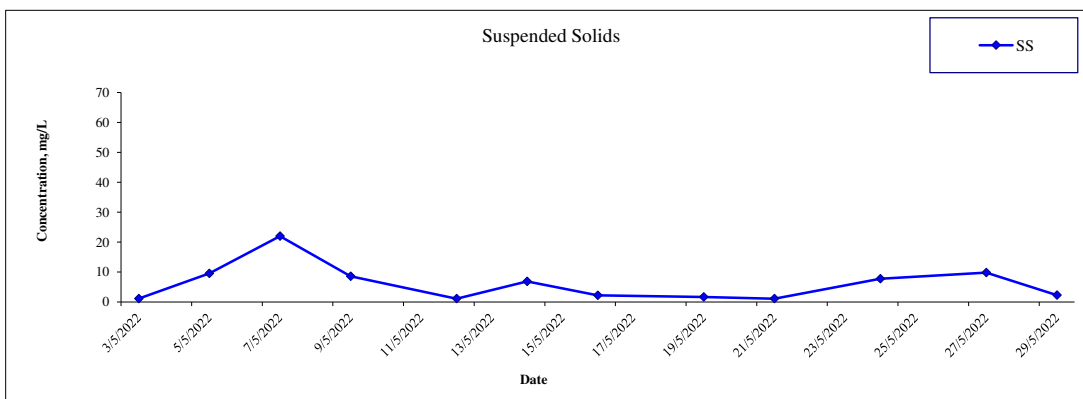
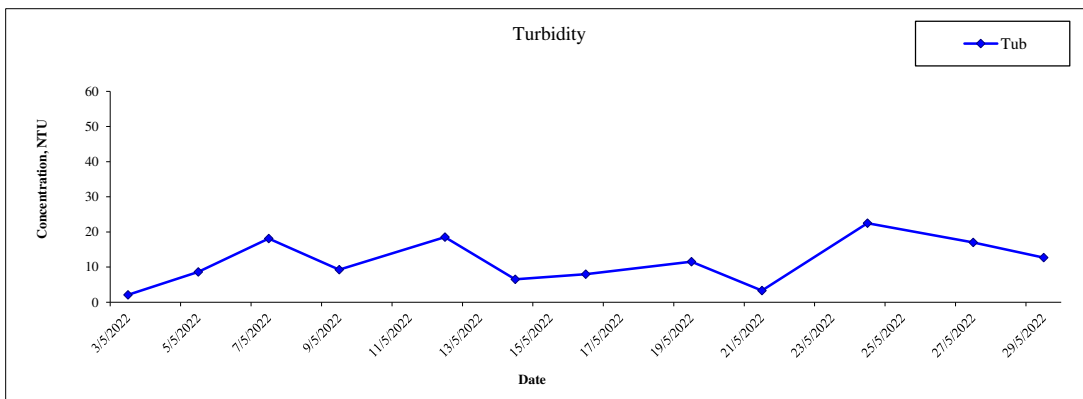
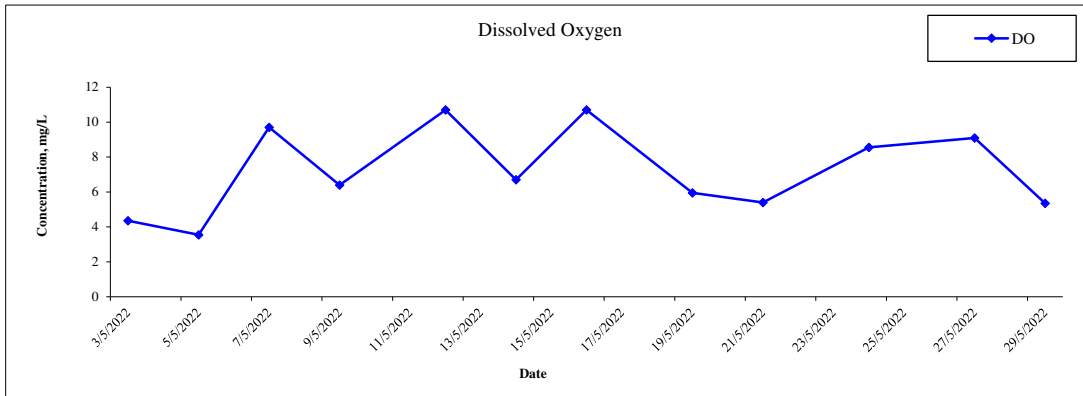
Monitoring Location: TKW



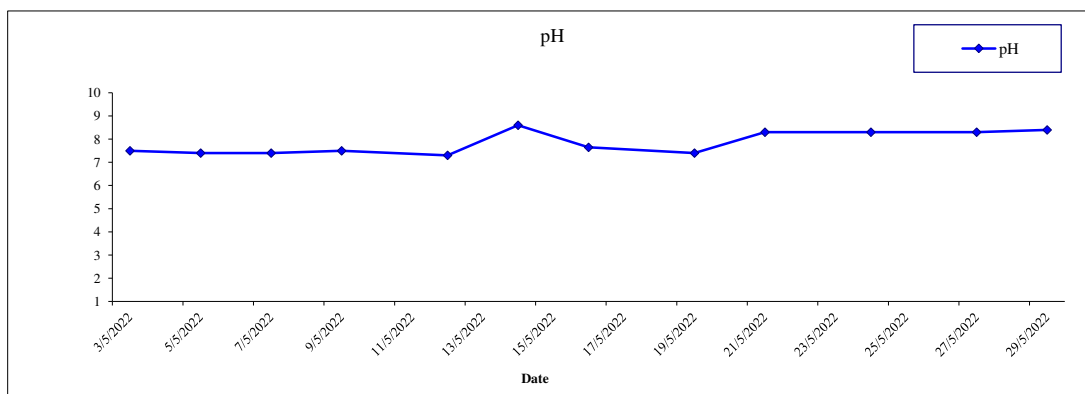
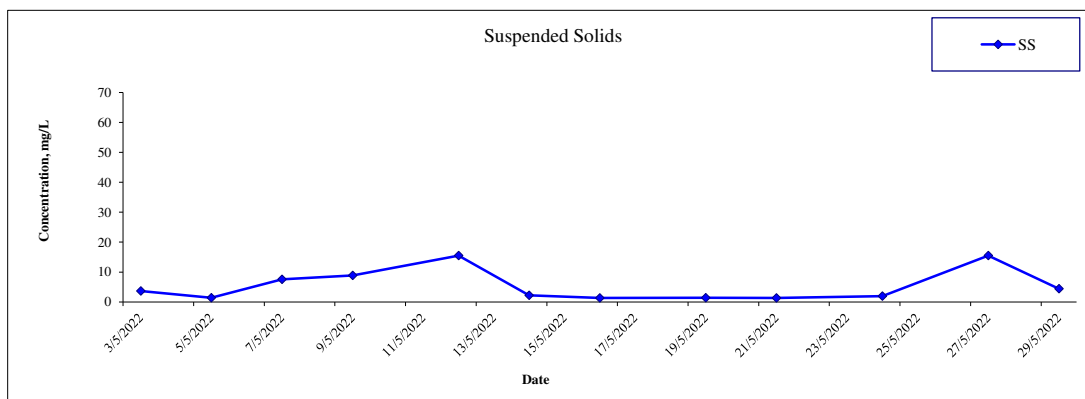
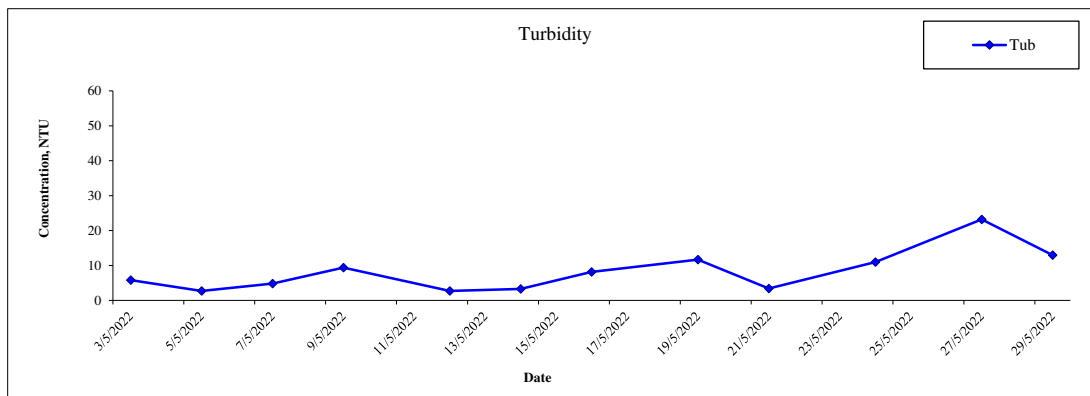
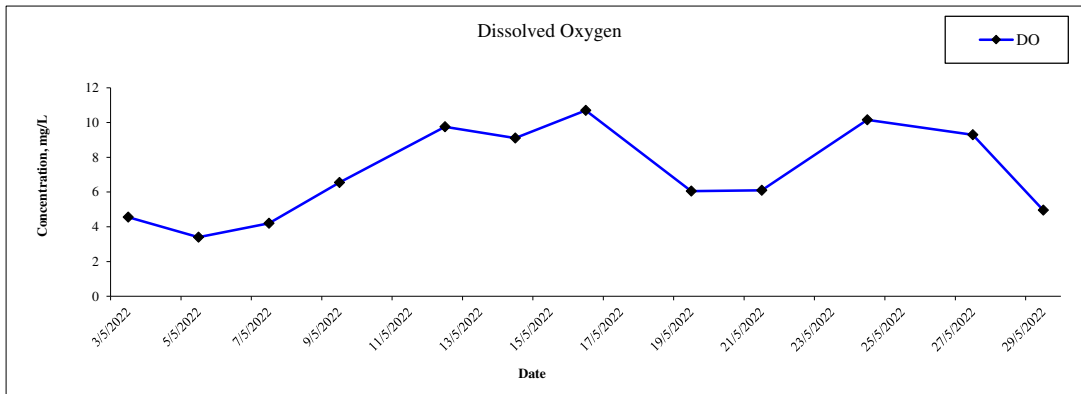
Monitoring Location: U1



Monitoring Location: SW



Monitoring Location: U2



Monitoring Location: HT

