

Appendix C –

Wet Season 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	
			21.5		7.5		2.9		33.0		3.4		4.5	
5/5/2022	15:02	10	21.4	21.5	7.5	7.5	2.8	2.9	31.8	32.4	3.7	3.6	4.0	4.3
			22.0		7.6		10.4		118.9		5.3		5.9	
			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	
			20.3		7.5		10.7		118.0		11.7		14.0	
12/5/2022	18:23	15	20.3	20.3	7.6	7.6	10.6	10.7	117.2	117.6	11.1	11.4	15.0	14.5
			25.7		8.5		8.7		107.2		4.8		2.4	
			25.7		8.5		8.7		107.0		4.3		2.2	
14/5/2022	16:10	16	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	
			22.5		7.8		6.3		73.8		12.9		<1.0	
19/5/2022	13:00	18	22.5	22.5	7.8	7.8	5.9	6.1	68.3	71.1	12.1	12.5	<1.0	<1.0
			21.3		8.3		4.7		53.1		3.8		2.5	
			21.3		8.3		4.6		51.9		3.6		2.2	
21/5/2022	17:14	17	23.9	21.3	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	
			26.4		8.4		9.4		117.1		55.8		54.0	
27/5/2022	17:15	17	26.4	26.4	8.4	8.4	9.4	9.4	117.0	117.1	63.2	59.5	53.0	53.5
			26.3		8.6		6.6		81.5		12.8		2.7	
			26.3		8.6		6.6		82.2		13.7		2.3	
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	

Remark: The extraordinarily high values were recorded during the baseline monitoring, those measured value were considered as outlier and were excluded in the determination of Action and Limit Level. The above highlighted measured values were excluded in the determination of Action and Limit Levels.

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	
			21.7		7.6		2.7		31.3		4.5		5.0	
5/5/2022	15:07	20	21.6	21.6	7.6	7.6	2.6	2.7	29.8	30.6	4.4	4.5	4.3	4.7
			21.5		7.4		10.3		116.6		11.5		9.5	
			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	
			20.2		7.6		9.3		103.1		18.5		16.0	
12/5/2022	18:30	24	20.3	20.3	7.7	7.7	9.6	9.5	105.4	104.3	16.8	17.7	16.0	16.0
			26.0		8.6		7.2		89.4		4.1		2.5	
			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	
			22.7		7.7		5.6		64.4		12.7		<1.0	
19/5/2022	12:52	21	22.7	22.7	7.7	7.7	5.6	5.6	64.6	64.5	12.7	12.7	<1.0	<1.0
			21.3		8.3		5.0		56.3		4.4		2.8	
			21.3		8.3		5.0		56.3		4.1		3.2	
21/5/2022	17:18	17	24.0	21.3	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	
			26.3		8.3		8.4		104.3		49.9		51.0	
27/5/2022	17:19	17	26.3	26.3	8.3	8.3	8.8	8.6	109.0	106.7	57.3	53.6	52.0	51.5
			25.8		8.5		5.2		64.5		13.1		2.7	
			25.8		8.5		5.0		61.9		13.5		2.8	
29/5/2022	17:00	17	25.8	25.8	8.5	8.5	5.0	5.1	61.9	63.2	13.5	13.3	2.8	2.8

Remark: The extraordinarily high values were recorded during the baseline monitoring, those measured value were considered as outlier and were excluded in the determination of Action and Limit Level. The above highlighted measured values were excluded in the determination of Action and Limit Levels.

Water Quality Monitoring Location : U1

Water Quality Monitoring Location : C1														
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	

Remark: The extraordinarily high values were recorded during the baseline monitoring, those measured value were considered as outlier and were excluded in the determination of Action and Limit Level. The above highlighted measured values were excluded in the determination of Action and Limit Levels.

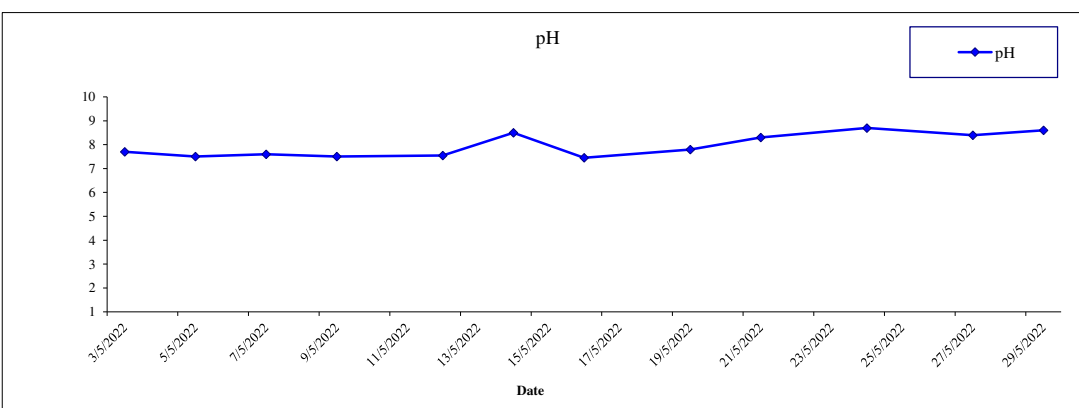
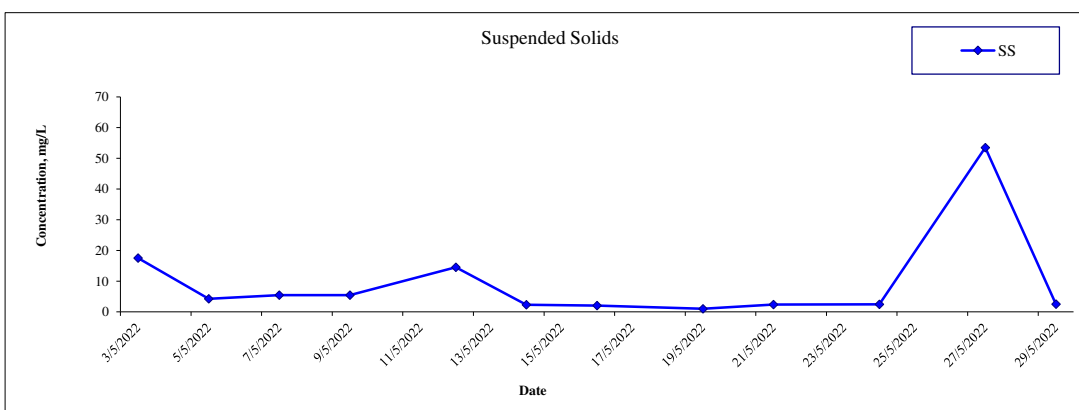
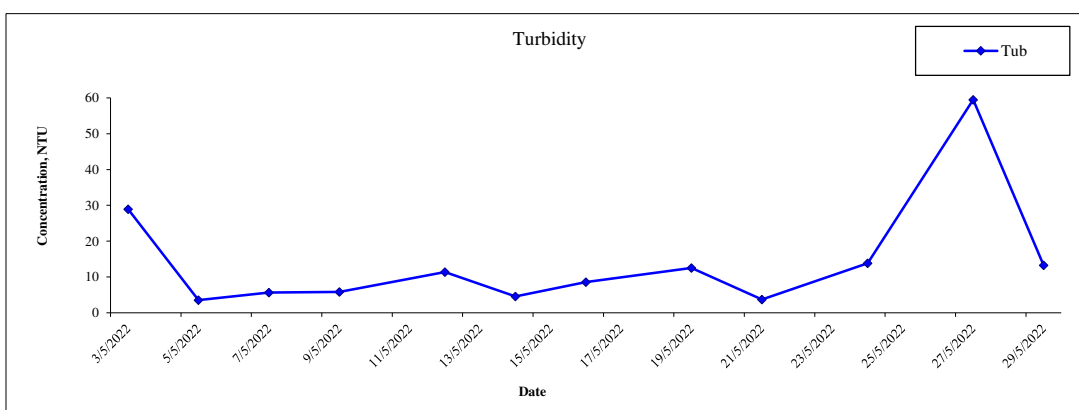
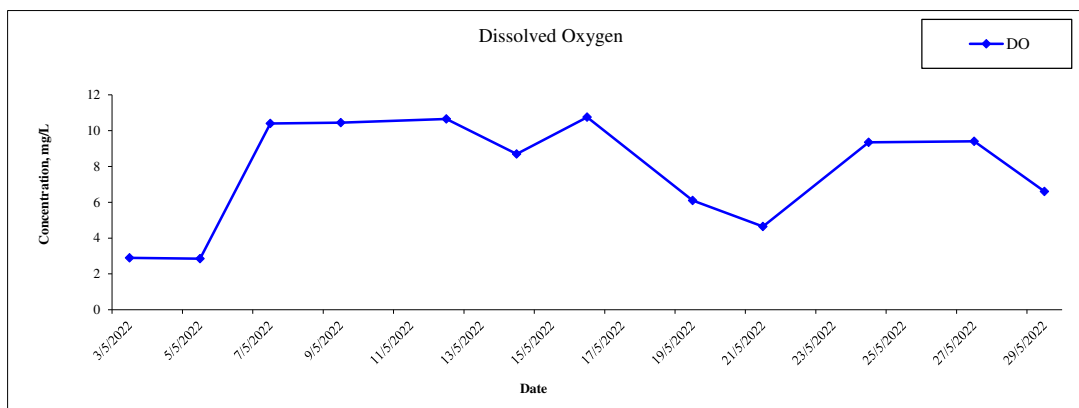
Water Quality Monitoring Location : U2

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	

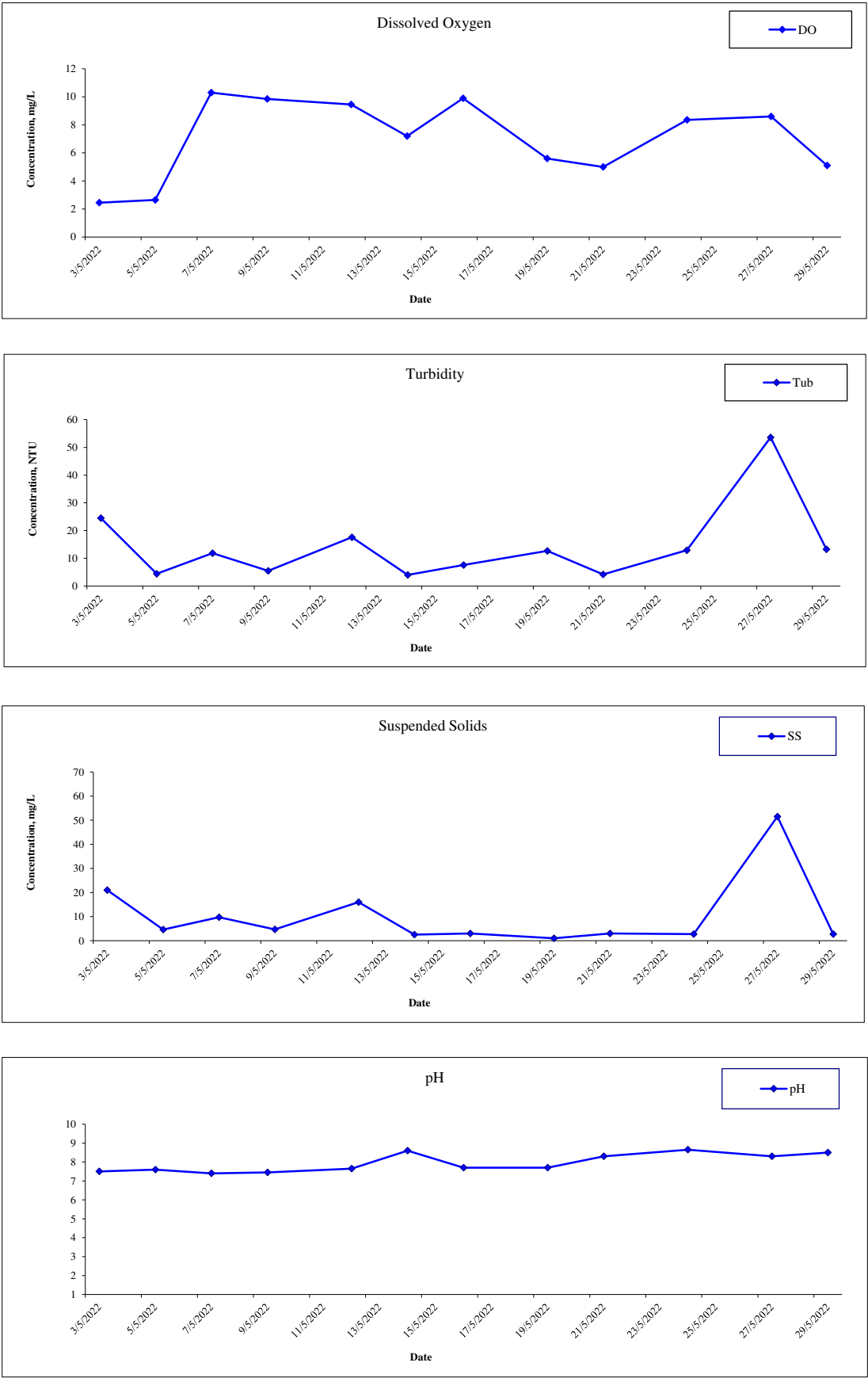
Water Quality Monitoring Location : HT

Water Quality Monitoring Location : H1														
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	

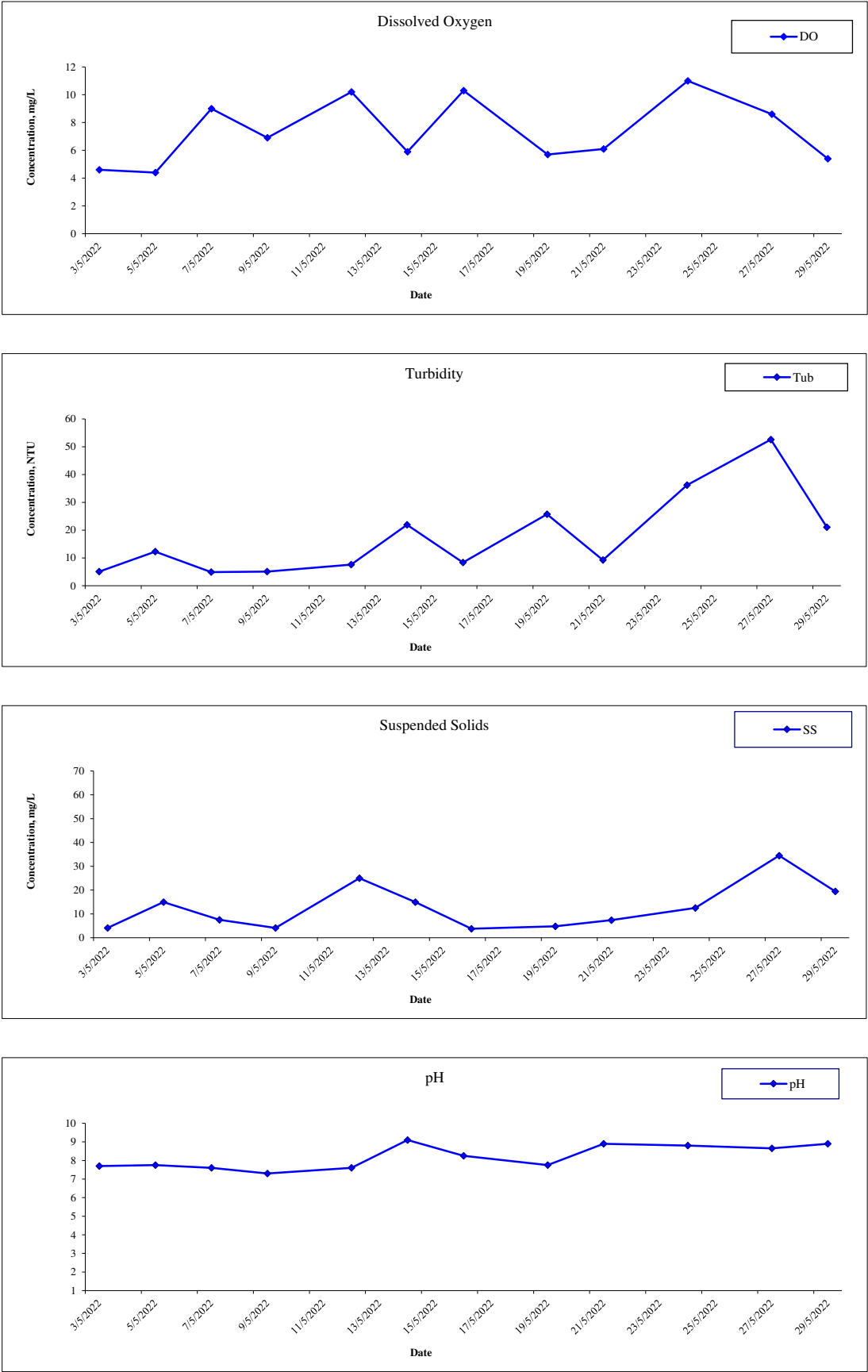
Monitoring Location: TKW1



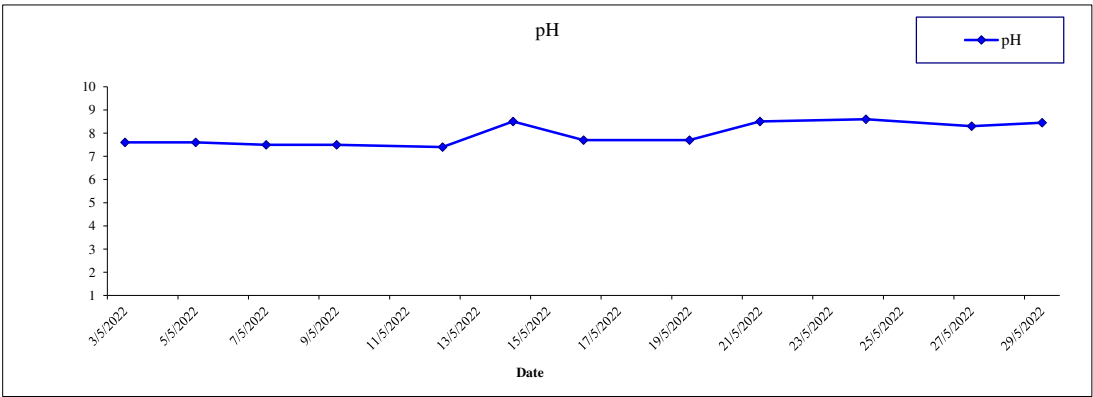
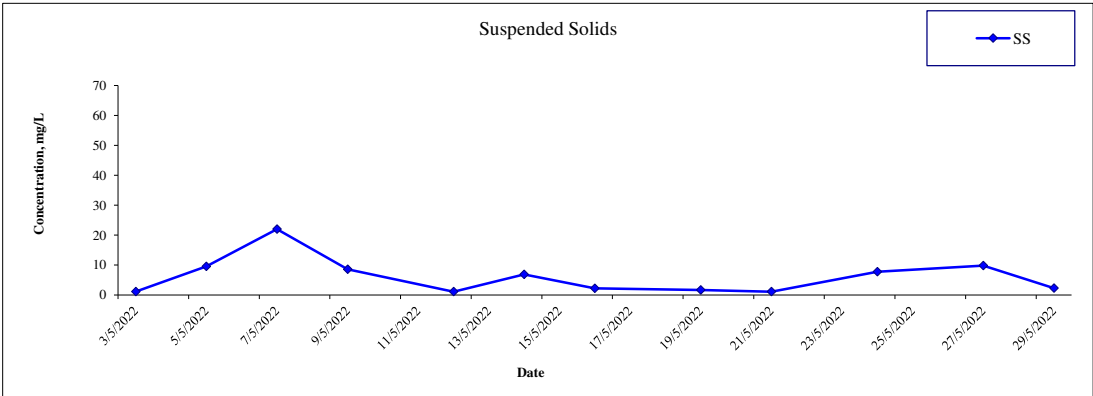
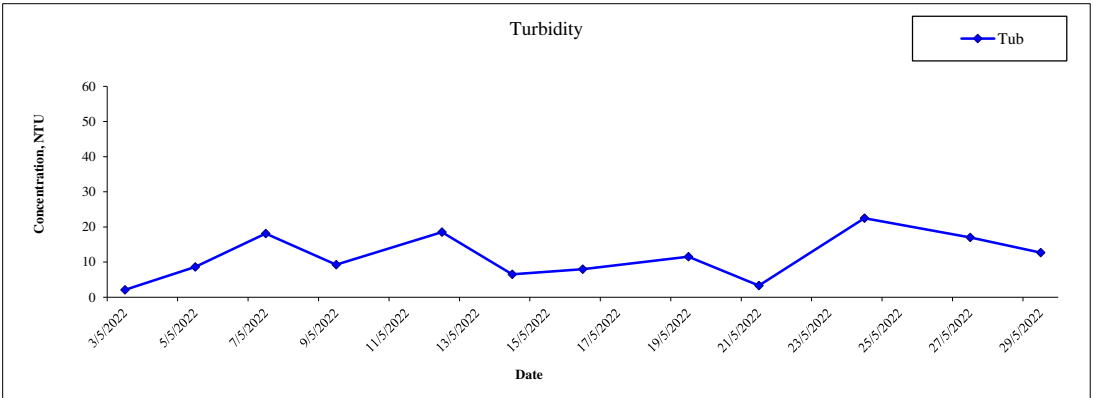
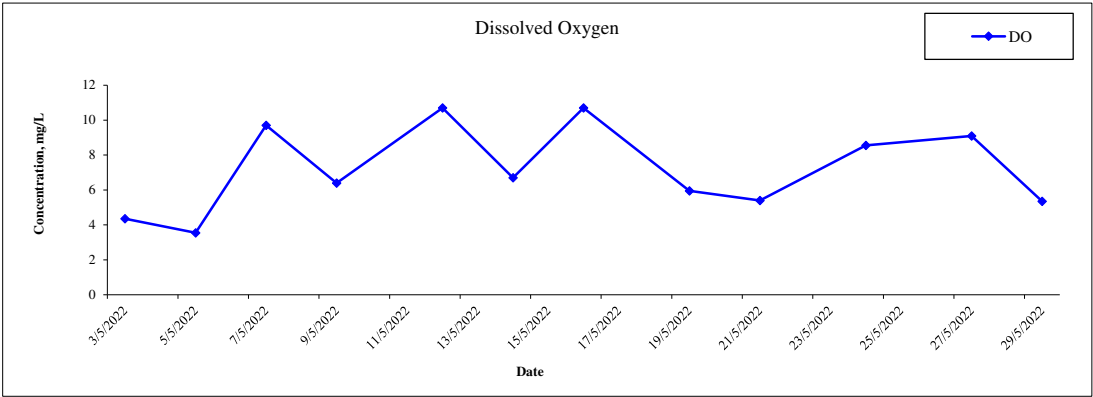
Monitoring Location: TKW



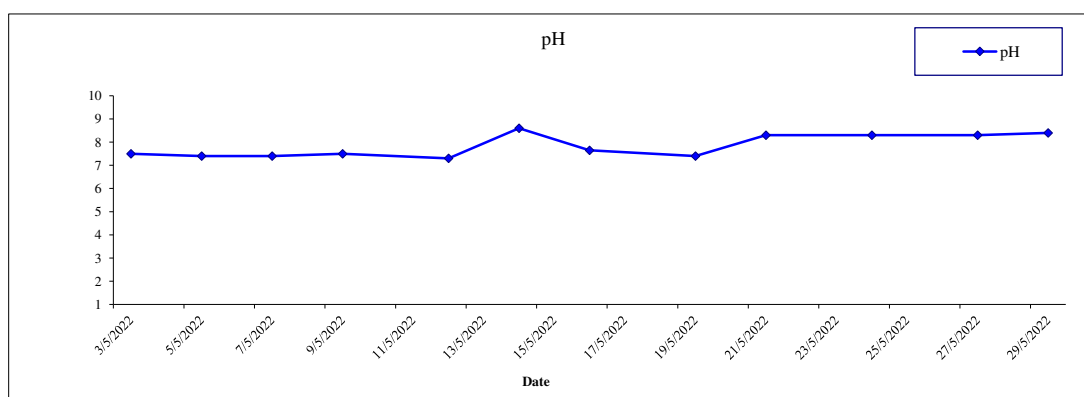
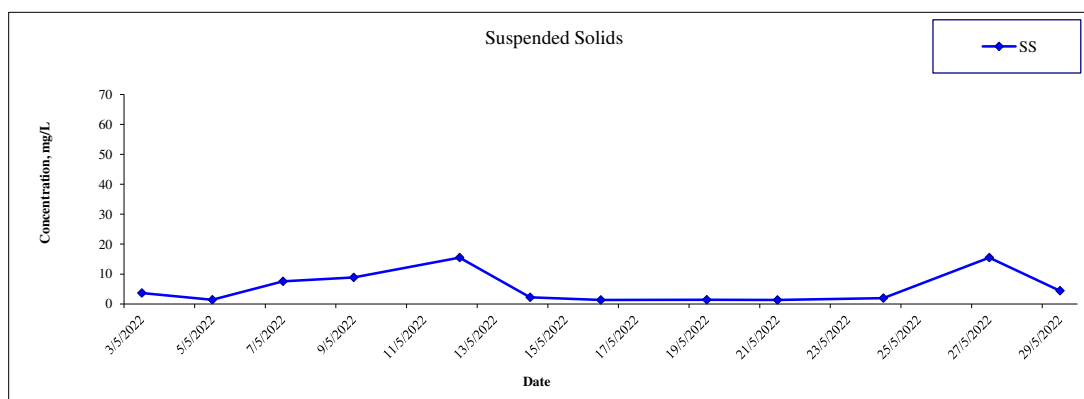
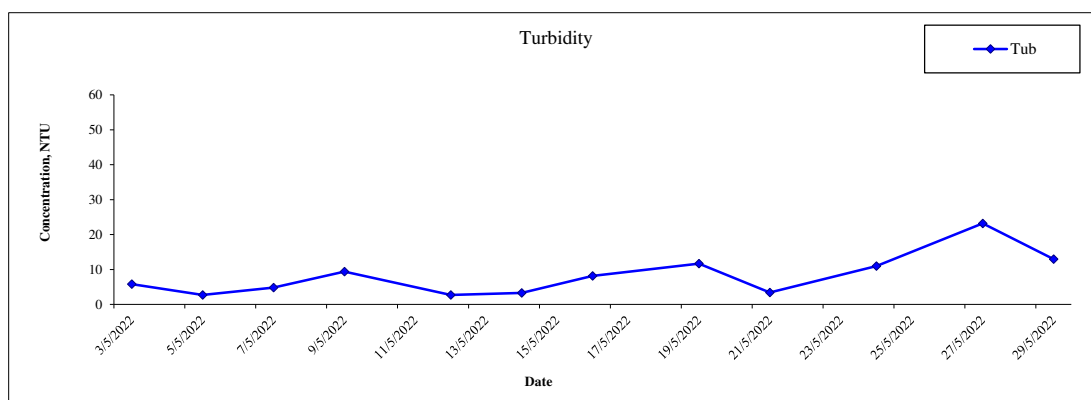
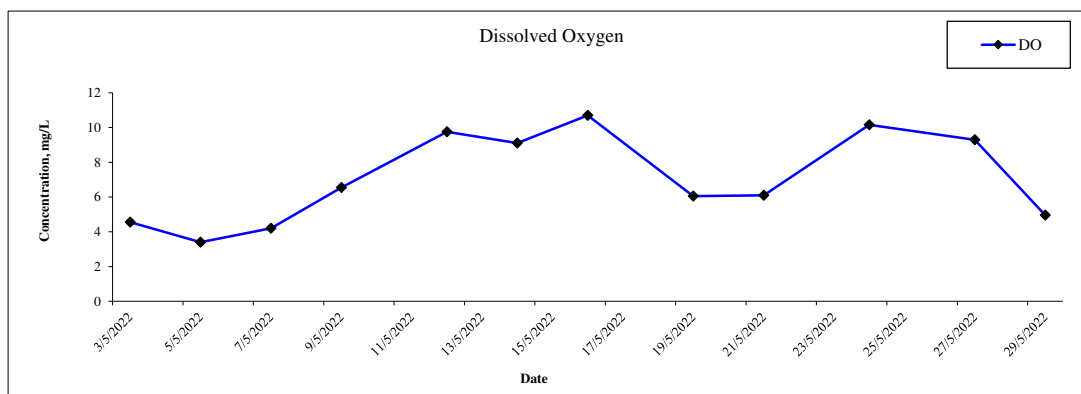
Monitoring Location: U1



Monitoring Location: SW



Monitoring Location: U2



Monitoring Location: HT

