



ANNEX F3

WATER QUALITY MONITORING RESULTS

Annex F3 - Water Quality Monitoring Results

Water Quality Monitoring Data (for Works Contract No. ND/2024/09)

Date	Station	Weather Condition	River Condition	Start Time (hh:mm)	Water Depth (m)	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)								(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-01	U2a	Sunny	Calm	9:34	0.10	1st	Middle	23.1	23.1	6.5	6.5	0.1	0.1	97.0	94.9	8.3	8.1	6.9	6.6	3.2	3.5	Downstream	0.11
		Sunny	Calm	9:35	0.10	2nd	Middle	23.1		6.5		0.1		92.7		7.9		6.4		3.8		Downstream	0.11
	U2b'	Sunny	Calm	9:48	0.08	1st	Middle	23.8	23.8	6.4	6.4	0.1	0.1	25.1	25.1	2.1	2.1	2.0	2.1	3.7	3.9	Downstream	0.72
		Sunny	Calm	9:50	0.08	2nd	Middle	23.8		6.4		0.1		25.0		2.1	2.1	2.1	2.1	4.0		Downstream	0.72
	G2	Sunny	Calm	10:07	0.15	1st	Middle	24.6	24.6	6.9	6.9	0.1	0.1	85.3	85.0	7.1	7.1	4.0	4.2	4.0	4.0	Downstream	0.01
		Sunny	Calm	10:07	0.15	2nd	Middle	24.6		6.9		0.1		84.7		7.1		4.5		4.0		Downstream	0.01
	D2a	Sunny	Calm	10:28	0.08	1st	Middle	23.4	23.4	6.8	6.7	0.1	0.1	29.3	29.0	2.5	2.5	7.3	7.1	1.6	2.1	Downstream	0.01
		Sunny	Calm	10:28	0.08	2nd	Middle	23.4		6.7		0.1		28.6		2.4		6.9		2.5		Downstream	0.01
	D2b'	Sunny	Calm	11:13	0.20	1st	Middle	24.5	24.5	7.5	7.5	4.3	4.3	108.5	105.6	8.8	8.6	13.2	12.5	8.2	8.2	Downstream	0.11
		Sunny	Calm	11:14	0.20	2nd	Middle	24.5		7.5		4.3		102.7		8.4		11.8		8.1		Downstream	0.11
	D2c	Sunny	Calm	11:27	0.18	1st	Middle	23.9	23.9	7.5	7.5	0.2	0.2	21.1	21.5	1.8	1.8	16.8	16.5	18.0	17.5	Downstream	0.66
		Sunny	Calm	11:28	0.18	2nd	Middle	23.9		7.5		0.2		21.9		1.9		16.1		17.0		Downstream	0.66
	D2d	Sunny	Calm	10:16	0.39	1st	Middle	24.2	24.2	6.8	6.8	0.3	0.3	51.6	50.6	4.3	4.2	9.4	9.3	15.0	9.0	Downstream	0.01
		Sunny	Calm	10:16	0.39	2nd	Middle	24.2		6.8		0.3		49.6		4.2		9.2		3.0		Downstream	0.01
	D7	Sunny	Calm	10:43	0.10	1st	Middle	23.3	23.3	6.5	6.5	0.1	0.1	18.0	17.5	1.5	1.5	5.5	5.8	1.3	1.3	Downstream	0.05
		Sunny	Calm	10:44	0.10	2nd	Middle	23.3		6.5		0.1		16.9		1.4		6.0		1.2		Downstream	0.05
	D8	Sunny	Calm	10:53	0.17	1st	Middle	24.7	24.7	7.1	7.1	0.2	0.2	26.2	25.0	2.2	2.1	23.9	24.4	4.4	4.6	Downstream	0.03
		Sunny	Calm	10:54	0.17	2nd	Middle	24.8		7.1		0.2		23.8		2.0		24.8		4.8		Downstream	0.03

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)			(°C)	(ppt)			(%)		(mg/L)		(NTU)		(mg/L)					
				Value	Average			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-04	U2a	Cloudy	Calm	8:39	0.25	1st	Middle	22.4	22.4	7.3	7.2	0.1	0.1	85.1	85.1	7.4	7.4	13.3	12.9	2.0	2.8	Downstream	0.09
		Cloudy	Calm	8:39	0.25	2nd	Middle	22.4	7.2	0.1		85.0		7.4		12.4		3.6		Downstream		0.09	
	U2b'	Cloudy	Calm	8:57	0.20	1st	Middle	22.8	22.8	7.2	7.2	0.1	0.1	21.6	21.5	1.9	1.9	5.6	5.5	5.2	5.1	Downstream	0.53
		Cloudy	Calm	8:57	0.20	2nd	Middle	22.8	7.2	0.1		21.3		1.8		5.4		4.9		Downstream		0.53	
	G2	Cloudy	Calm	9:17	0.40	1st	Middle	22.3	22.3	7.3	7.3	0.1	0.1	49.2	48.7	4.2	4.2	23.1	22.8	4.1	2.7	Downstream	0.21
		Cloudy	Calm	9:17	0.40	2nd	Middle	22.3	7.3	0.1		48.1		4.3		22.5		1.3		Downstream		0.21	
	D2a	Cloudy	Calm	9:41	0.20	1st	Middle	21.7	21.7	7.1	7.1	0.1	0.1	20.9	20.8	1.8	1.8	10.8	10.8	3.3	2.5	Downstream	0.21
		Cloudy	Calm	9:42	0.20	2nd	Middle	21.7	7.1	0.1		20.7		1.8		10.7		1.6		Downstream		0.21	
	D2b'	Cloudy	Calm	11:17	0.45	1st	Middle	21.6	21.6	7.5	7.5	5.2	5.2	43.2	41.0	3.3	3.5	10.4	10.2	8.0	7.2	Downstream	1.67
		Cloudy	Calm	11:18	0.45	2nd	Middle	21.6	7.5	5.2		38.7		3.7		10.0		6.3		Downstream		1.67	
	D2c	Cloudy	Calm	11:27	0.35	1st	Middle	23.5	23.5	7.4	7.4	7.9	7.9	103.6	104.0	8.5	8.4	20.1	21.0	17.0	17.0	Downstream	0.46
		Cloudy	Calm	11:27	0.35	2nd	Middle	23.5	7.4	7.9		104.4		8.4		21.9		17.0		Downstream		0.46	
	D2d	Cloudy	Calm	9:26	0.55	1st	Middle	22.1	22.1	7.2	7.2	0.2	0.2	111.8	111.5	9.7	9.7	22.2	22.6	6.2	6.5	Downstream	0.06
		Cloudy	Calm	9:26	0.55	2nd	Middle	22.1	7.2	0.2		111.1		9.7		22.9		6.8		Downstream		0.06	
	D7	Cloudy	Calm	10:27	0.10	1st	Middle	21.5	21.5	6.9	6.9	0.1	0.1	21.2	20.5	1.9	1.8	4.2	4.1	1.0	2.0	Downstream	0.07
		Cloudy	Calm	10:28	0.10	2nd	Middle	21.5	6.9	0.1		19.7		1.7		4.0		3.0		Downstream		0.07	
	D8	Cloudy	Calm	10:39	0.18	1st	Middle	23.4	23.5	7.5	7.5	0.2	0.2	103.5	103.5	8.8	8.8	7.1	7.5	7.0	4.0	Downstream	0.07
		Cloudy	Calm	10:40	0.18	2nd	Middle	23.6	7.5	0.2		103.4		8.8		7.9		1.0		Downstream		0.07	

Remark

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)			(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-06	U2a	Sunny	Calm	8:39	0.11	1st	Middle	22.4	22.4	7.3	7.3	0.1	0.1	85.6	84.8	7.4	7.3	8.0	8.3	3.6	3.7	Downstream	0.13
		Sunny	Calm	8:40	0.11	2nd	Middle	22.5		7.3		0.1		83.9		7.3		8.7		3.8		Downstream	0.13
	U2b'	Sunny	Calm	8:57	0.06	1st	Middle	23.3	23.3	7.3	7.3	0.1	0.1	17.6	17.3	1.5	1.5	7.0	7.4	6.0	6.3	Downstream	0.43
		Sunny	Calm	8:57	0.06	2nd	Middle	23.3		7.3		0.1		16.9		1.4		7.7		6.6		Downstream	0.43
	G2	Sunny	Calm	9:19	0.05	1st	Middle	23.5	23.5	7.6	7.6	0.1	0.1	59.7	59.7	5.1	5.1	5.5	5.6	5.2	4.2	Downstream	0.01
		Sunny	Calm	9:19	0.05	2nd	Middle	23.5		7.6		0.1		59.7		5.1		5.8		3.2		Downstream	0.01
	D2a	Sunny	Calm	10:10	0.07	1st	Middle	23.0	23.0	7.1	7.1	0.1	0.1	25.4	25.0	2.2	2.1	10.0	9.3	5.1	3.4	Downstream	0.01
		Sunny	Calm	10:10	0.07	2nd	Middle	23.0		7.1		0.1		24.6		2.1		8.6		1.6		Downstream	0.01
	D2b'	Sunny	Calm	11:06	0.12	1st	Middle	25.3	25.3	7.6	7.6	4.9	4.9	62.9	63.6	5.0	5.1	12.3	12.7	6.3	5.9	Downstream	0.04
		Sunny	Calm	11:07	0.12	2nd	Middle	25.3		7.6		4.9		64.2		5.1		13.1		5.5		Downstream	0.04
	D2c	Sunny	Calm	11:19	0.67	1st	Middle	24.0	24.0	7.5	7.5	2.9	2.9	55.9	56.3	4.6	4.7	29.9	29.8	21.0	22.0	Downstream	0.21
		Sunny	Calm	11:20	0.67	2nd	Middle	24.0		7.5		2.9		56.6		4.7		29.6		23.0		Downstream	0.21
	D2d	Sunny	Calm	9:45	0.22	1st	Middle	23.4	23.3	7.4	7.4	0.1	0.1	18.5	17.3	1.6	1.5	22.4	20.7	10.0	11.5	Downstream	0.04
		Sunny	Calm	9:45	0.22	2nd	Middle	23.3		7.4		0.1		16.0		1.4		18.9		13.0		Downstream	0.04
	D7	Sunny	Calm	10:33	0.10	1st	Middle	23.2	23.2	6.9	6.9	0.1	0.1	16.7	16.7	1.4	1.4	6.5	6.8	7.7	4.4	Downstream	0.06
		Sunny	Calm	10:34	0.10	2nd	Middle	23.2		6.9		0.1		16.6		1.4		7.2		1.1		Downstream	0.06
	D8	Sunny	Calm	10:48	0.22	1st	Middle	24.4	24.4	7.5	7.5	0.2	0.2	95.3	94.8	8.0	7.9	10.3	10.4	3.8	5.6	Downstream	0.01
		Sunny	Calm	10:48	0.22	2nd	Middle	24.4		7.5		0.2		94.2		7.9		10.4		7.4		Downstream	0.01

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)			(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-08	U2a	Sunny	Calm	8:32	0.10	1st	Middle	23.3	23.3	7.3	7.3	0.1	0.1	89.6	87.0	7.7	7.4	8.4	8.3	3.8	3.4	Downstream	0.10
		Sunny	Calm	8:33	0.10	2nd	Middle	23.3		7.3		0.1		84.3		7.2		8.2		2.9		Downstream	0.10
	U2b'	Sunny	Calm	8:48	0.06	1st	Middle	24.2	24.2	7.3	7.3	0.1	0.1	16.3	16.2	1.4	1.4	2.6	2.4	4.2	4.7	Downstream	0.82
		Sunny	Calm	8:48	0.06	2nd	Middle	24.2		7.3		0.1		16.0		1.3		2.3		5.1		Downstream	0.82
	G2	Sunny	Calm	9:09	0.05	1st	Middle	24.3	24.3	7.5	7.5	0.1	0.1	59.8	60.1	5.0	5.0	2.9	2.8	11.0	10.3	Downstream	0.04
		Sunny	Calm	9:09	0.05	2nd	Middle	24.3		7.5		0.1		60.3		5.0		2.7		9.6		Downstream	0.04
	D2a	Sunny	Calm	9:41	0.08	1st	Middle	24.0	23.9	7.2	7.2	0.1	0.1	23.8	23.8	2.0	2.0	9.4	9.7	3.9	3.8	Downstream	0.05
		Sunny	Calm	9:41	0.08	2nd	Middle	23.9		7.2		0.1		23.7		2.0		10.1		3.7		Downstream	0.05
	D2b'	Sunny	Calm	10:52	0.16	1st	Middle	26.7	26.7	7.6	7.6	5.3	5.3	74.8	74.0	5.8	5.8	9.5	9.6	7.3	8.0	Downstream	0.03
		Sunny	Calm	10:52	0.16	2nd	Middle	26.7		7.6		5.3		73.2		5.7		9.7		8.6		Downstream	0.03
	D2c	Sunny	Calm	11:03	0.15	1st	Middle	25.3	25.2	7.6	7.6	0.4	0.4	22.3	22.7	1.8	1.9	18.7	17.8	10.0	9.3	Downstream	0.45
		Sunny	Calm	11:03	0.15	2nd	Middle	25.2		7.6		0.4		23.0		1.9		16.9		8.5		Downstream	0.45
	D2d	Sunny	Calm	9:19	0.22	1st	Middle	24.3	24.3	7.3	7.3	0.3	0.3	104.1	104.1	8.7	8.7	14.1	13.5	1.4	5.5	Downstream	0.04
		Sunny	Calm	9:20	0.22	2nd	Middle	24.3		7.3		0.3		104.1		8.7		12.9		9.6		Downstream	0.04
	D7	Sunny	Calm	10:03	0.10	1st	Middle	24.2	24.2	6.8	6.8	0.1	0.1	15.6	15.1	1.3	1.3	6.4	6.3	10.0	5.6	Downstream	0.03
		Sunny	Calm	10:04	0.10	2nd	Middle	24.3		6.8		0.1		14.6		1.2		6.2		1.2		Downstream	0.03
	D8	Sunny	Calm	10:36	0.20	1st	Middle	25.0	25.0	7.5	7.5	0.2	0.2	19.5	20.3	1.6	1.7	10.7	10.5	4.5	4.4	Downstream	0.05
		Sunny	Calm	10:36	0.20	2nd	Middle	25.0		7.5		0.2		21.0		1.7		10.2		4.3		Downstream	0.05

Remark

Action Level Exceedance

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-10	U2a	Sunny	Calm	8:30	0.15	1st	Middle	22.8	22.8	7.2	7.2	0.1	0.1	89.2	88.0	7.7	7.6	2.8	2.8	3.8	6.5	Downstream	0.15
		Sunny	Calm	8:31	0.15	2nd	Middle	22.8		7.2		0.1		86.8		7.5		2.8		9.1			
	U2b'	Sunny	Calm	8:45	0.10	1st	Middle	23.8	23.8	7.3	7.3	0.1	0.1	14.4	14.4	1.2	1.2	5.1	5.4	4.3	2.7	Downstream	0.39
		Sunny	Calm	8:45	0.10	2nd	Middle	23.8		7.3		0.1		14.4		1.2		5.7		1.0			
	G2	Sunny	Calm	9:08	0.15	1st	Middle	23.7	23.7	7.5	7.5	0.1	0.1	62.6	61.6	5.3	5.2	6.2	6.2	4.2	5.2	Downstream	0.04
		Sunny	Calm	9:09	0.15	2nd	Middle	23.7		7.5		0.1		60.5		5.1		6.2		6.2			
	D2a	Sunny	Calm	9:39	0.15	1st	Middle	23.2	23.2	7.3	7.3	0.2	0.2	19.8	19.7	1.7	1.7	9.6	9.3	1.1	1.6	Downstream	0.04
		Sunny	Calm	9:40	0.15	2nd	Middle	23.3		7.3		0.2		19.6		1.7		9.0		2.1			
	D2b'	Sunny	Calm	10:28	0.25	1st	Middle	24.8	24.8	7.5	7.5	5.2	5.2	43.5	42.7	3.5	3.4	9.0	8.9	7.2	6.3	Downstream	0.19
		Sunny	Calm	10:28	0.25	2nd	Middle	24.8		7.5		5.2		41.9		3.4		8.9		5.4			
	D2c	Sunny	Calm	10:41	0.15	1st	Middle	24.2	24.2	7.6	7.6	0.4	0.4	15.7	16.5	1.3	1.4	36.6	36.7	7.8	7.7	Downstream	0.15
		Sunny	Calm	10:42	0.15	2nd	Middle	24.2		7.6		0.4		17.2		1.4		36.8		7.5			
	D2d	Sunny	Calm	9:23	0.25	1st	Middle	25.2	25.2	7.4	7.4	1.2	1.2	105.2	105.3	8.6	8.6	27.6	26.3	6.0	5.2	Downstream	0.04
		Sunny	Calm	9:23	0.25	2nd	Middle	25.2		7.4		1.2		105.3		8.6		25.0		4.3			
	D7	Sunny	Calm	9:59	0.15	1st	Middle	23.3	23.3	6.9	6.9	0.1	0.1	12.9	12.5	1.1	1.1	3.8	3.8	1.9	1.9	Downstream	0.05
		Sunny	Calm	9:59	0.15	2nd	Middle	23.3		6.9		0.1		12.1		1.0		3.7		1.8			
	D8	Sunny	Calm	10:10	0.15	1st	Middle	24.3	24.3	7.5	7.5	0.2	0.2	45.3	44.9	3.8	3.8	8.3	8.5	2.1	2.2	Downstream	0.05
		Sunny	Calm	10:11	0.15	2nd	Middle	24.3		7.5		0.2		44.5		3.7		8.7		2.3			

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-12	U2a	Sunny	Calm	8:33	0.20	1st	Middle	22.1	22.1	7.3	7.3	0.1	0.1	87.5	86.9	7.6	7.6	5.7	5.6	1.7	1.4	Downstream	0.07
		Sunny	Calm	8:34	0.20	2nd	Middle	22.1		7.2		0.1		86.2		7.5		5.5		1.0			
	U2b'	Sunny	Calm	8:49	0.10	1st	Middle	22.5	22.5	7.3	7.3	0.1	0.1	17.6	17.3	1.5	1.5	6.6	6.8	7.7	4.5	Downstream	0.65
		Sunny	Calm	8:49	0.10	2nd	Middle	22.5		7.3		0.1		17.0		1.5		7.1		1.3			
	G2	Sunny	Calm	9:11	0.25	1st	Middle	22.3	22.3	8.5	8.5	0.2	0.2	46.8	47.1	4.1	4.1	19.6	19.9	2.6	3.7	Downstream	0.02
		Sunny	Calm	9:11	0.25	2nd	Middle	22.4		8.5		0.2		47.3		4.1		20.2		4.8			
	D2a	Sunny	Calm	9:37	0.10	1st	Middle	21.8	21.8	7.5	7.4	0.2	0.2	26.4	25.2	2.3	2.2	8.9	9.2	1.0	1.2	Downstream	0.03
		Sunny	Calm	9:37	0.10	2nd	Middle	21.8		7.4		0.2		23.9		2.1		9.5		1.4			
	D2b'	Sunny	Calm	10:27	0.35	1st	Middle	22.9	22.9	7.4	7.4	7.3	7.3	35.6	35.8	2.9	3.0	13.4	13.7	6.6	6.9	Downstream	0.42
		Sunny	Calm	10:27	0.35	2nd	Middle	22.9		7.4		7.3		36.0		3.0		13.9		7.2			
	D2c	Sunny	Calm	10:36	0.20	1st	Middle	22.9	22.9	7.5	7.5	2.3	2.2	22.9	22.9	2.0	1.9	11.5	11.5	6.7	6.6	Downstream	0.39
		Sunny	Calm	10:36	0.20	2nd	Middle	22.9		7.5		2.2		22.9		1.9		11.5		6.4			
	D2d	Sunny	Calm	9:22	0.30	1st	Middle	23.8	23.8	7.3	7.3	4.8	4.8	23.6	23.1	1.9	1.9	16.7	16.1	5.0	5.1	Downstream	0.08
		Sunny	Calm	9:23	0.30	2nd	Middle	23.8		7.3		4.9		22.5		1.9		15.4		5.2			
	D7	Sunny	Calm	9:58	0.15	1st	Middle	21.8	21.8	7.1	7.1	0.1	0.1	22.6	22.1	2.0	1.9	4.2	4.4	1.0	1.0	Downstream	0.04
		Sunny	Calm	9:59	0.15	2nd	Middle	21.9		7.1		0.1		21.6		1.9		4.7		1.0			
	D8	Sunny	Calm	10:10	0.15	1st	Middle	23.3	23.3	7.5	7.5	0.2	0.2	78.4	79.0	6.7	6.7	10.4	10.3	1.6	1.6	Downstream	0.04
		Sunny	Calm	10:11	0.15	2nd	Middle	23.3		7.6		0.2		79.6		6.8		10.2		1.6			

Remark

Action Level Exceedance

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-14	U2a	Sunny	Calm	8:35	0.20	1st	Middle	21.8	21.8	6.9	6.9	0.1	0.1	95.2	94.6	8.4	8.3	6.1	6.1	2.7	2.6	Downstream	0.07
		Sunny	Calm	8:35	0.20	2nd	Middle	21.8		6.9		0.1		94.0		8.3		6.2		2.5		Downstream	0.07
	U2b'	Sunny	Calm	8:52	0.20	1st	Middle	22.2	22.2	6.9	6.9	0.1	0.1	15.7	15.7	1.4	1.4	4.8	5.1	1.9	2.5	Downstream	0.47
		Sunny	Calm	8:52	0.20	2nd	Middle	22.2		6.9		0.1		15.7		1.4		5.4		3.0		Downstream	0.47
	G2	Sunny	Calm	9:10	0.25	1st	Middle	21.5	21.5	7.2	7.2	0.1	0.1	96.4	96.1	8.5	8.5	10.5	10.0	1.7	2.0	Downstream	0.04
		Sunny	Calm	9:10	0.25	2nd	Middle	21.5		7.2		0.1		95.8		8.5		9.6		2.2		Downstream	0.04
	D2a	Sunny	Calm	9:40	0.20	1st	Middle	21.2	21.2	7.4	7.3	0.2	0.2	25.3	24.7	2.2	2.2	9.6	9.3	2.4	5.2	Downstream	0.02
		Sunny	Calm	9:40	0.20	2nd	Middle	21.2		7.3		0.2		24.1		2.1		9.0		7.9		Downstream	0.02
	D2b'	Sunny	Calm	10:38	0.35	1st	Middle	21.6	21.6	7.5	7.5	5.0	5.0	100.2	98.7	8.6	8.5	13.3	13.1	11.0	8.2	Downstream	0.33
		Sunny	Calm	10:38	0.35	2nd	Middle	21.6		7.5		5.0		97.2		8.3		12.9		5.3		Downstream	0.33
	D2c	Sunny	Calm	10:52	0.25	1st	Middle	21.7	21.7	7.4	7.4	0.6	0.6	16.1	16.2	1.4	1.4	21.7	21.6	4.2	4.1	Downstream	0.64
		Sunny	Calm	10:53	0.25	2nd	Middle	21.7		7.4		0.6		16.3		1.4		21.4		3.9		Downstream	0.64
	D2d	Sunny	Calm	9:25	0.30	1st	Middle	21.9	21.9	7.2	7.2	0.8	0.8	16.1	15.9	1.4	1.4	9.6	9.5	6.8	5.0	Downstream	0.08
		Sunny	Calm	9:27	0.40	2nd	Middle	21.9		7.3		0.7		15.6		1.4		9.5		3.2		Downstream	0.08
	D7	Sunny	Calm	10:06	0.20	1st	Middle	21.2	21.2	6.9	6.9	0.1	0.1	13.2	13.0	1.2	1.2	2.9	2.9	1.5	2.2	Downstream	0.05
		Sunny	Calm	10:07	0.20	2nd	Middle	21.2		6.9		0.1		12.8		1.1		2.8		2.8		Downstream	0.05
	D8	Sunny	Calm	10:21	0.15	1st	Middle	23.1	23.1	7.4	7.4	0.2	0.2	21.9	21.4	1.9	1.8	9.8	9.9	2.5	3.2	Downstream	0.04
		Sunny	Calm	10:21	0.15	2nd	Middle	23.1		7.4		0.2		20.9		1.8		10.0		3.9		Downstream	0.04

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-17	U2a	Sunny	Calm	8:32	0.20	1st	Middle	22.4	22.4	6.2	6.2	0.1	0.1	86.0	85.6	7.5	7.4	4.2	4.2	2.8	2.8	Downstream	0.46
		Sunny	Calm	8:32	0.20	2nd	Middle	22.4		6.2		0.1		85.1		7.4		4.2		2.8		Downstream	0.46
	U2b'	Sunny	Calm	8:44	0.20	1st	Middle	23.1	23.1	6.6	6.5	0.1	0.1	18.1	17.4	1.6	1.5	6.3	6.4	3.8	3.9	Downstream	5.36
		Sunny	Calm	8:45	0.25	2nd	Middle	23.1		6.5		0.1		16.6		1.4		6.4		3.9		Downstream	5.36
	G2	Sunny	Calm	9:00	0.25	1st	Middle	23.0	23.0	6.7	6.7	0.1	0.1	61.3	60.8	5.3	5.2	25.8	25.1	5.9	4.5	Downstream	0.72
		Sunny	Calm	9:00	0.25	2nd	Middle	23.0		6.7		0.1		60.3		5.2		24.4		3.1		Downstream	0.72
	D2a	Sunny	Calm	9:22	0.25	1st	Middle	22.4	22.4	6.6	6.6	0.1	0.1	25.6	25.2	2.2	2.2	7.1	7.5	3.2	2.4	Downstream	0.49
		Sunny	Calm	9:23	0.25	2nd	Middle	22.4		6.6		0.1		24.8		2.2		7.8		1.6		Downstream	0.49
	D2b'	Sunny	Calm	10:10	0.40	1st	Middle	24.1	24.1	7.6	7.7	1.6	1.6	88.5	88.6	7.4	7.4	87.0	87.3	12.0	10.9	Downstream	0.56
		Sunny	Calm	10:11	0.40	2nd	Middle	24.1		7.7		1.6		88.6		7.4		87.6		9.8		Downstream	0.56
	D2c	Sunny	Calm	10:21	0.45	1st	Middle	24.4	24.4	7.4	7.4	4.9	4.9	101.8	101.4	8.3	8.2	19.8	19.6	11.0	8.5	Downstream	0.58
		Sunny	Calm	10:22	0.45	2nd	Middle	24.4		7.4		4.9		100.9		8.2		19.3		6.0		Downstream	0.58
	D2d	Sunny	Calm	9:10	0.30	1st	Middle	22.7	22.7	7.0	7.0	0.3	0.3	83.3	83.6	7.2	7.2	47.0	46.8	18.0	11.2	Downstream	0.25
		Sunny	Calm	9:10	0.30	2nd	Middle	22.7		7.0		0.3		83.8		7.2		46.6		4.3		Downstream	0.25
	D7	Sunny	Calm	9:40	0.25	1st	Middle	22.6	22.6	6.5	6.5	0.1	0.1	17.5	17.1	1.5	1.5	6.6	6.2	1.0	1.0	Downstream	0.58
		Sunny	Calm	9:40	0.20	2nd	Middle	22.6		6.5		0.1		16.7		1.5		5.8		1.0		Downstream	0.58
	D8	Sunny	Calm	9:53	0.35	1st	Middle	22.8	23.3	6.7	6.7	0.2	0.2	27.3	27.5	2.3	2.3	9.2	9.3	3.3	3.4	Downstream	0.16
		Sunny	Calm	9:54	0.35	2nd	Middle	23.8		6.7		0.2		27.6		2.3		9.4		3.5		Downstream	0.16

Remark

Action Level Exceedance

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date (yyyy-mm-dd)	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-19	U2a	Cloudy	Calm	8:38	0.35	1st	Middle	19.7	19.7	6.8	6.8	0.1	0.1	92.8	92.5	8.5	8.5	3.8	3.7	2.1	2.0	Downstream	0.81
		Cloudy	Calm	8:38	0.35	2nd	Middle	19.7		6.8		0.1		92.1		8.4		3.6		1.8		Downstream	0.81
	U2b'	Cloudy	Calm	8:54	0.30	1st	Middle	18.9	18.9	6.9	6.9	0.1	0.1	25.7	25.5	2.4	2.4	6.1	6.3	2.4	2.5	Downstream	1.51
		Cloudy	Calm	8:55	0.25	2nd	Middle	18.9		6.9		0.1		25.2		2.3		6.6		2.6		Downstream	1.51
	G2	Cloudy	Calm	9:13	0.25	1st	Middle	18.2	18.2	7.2	7.2	0.1	0.1	54.3	54.3	5.1	5.1	8.6	8.3	2.0	5.4	Downstream	0.22
		Cloudy	Calm	9:13	0.30	2nd	Middle	18.2		7.2		0.1		54.3		5.1		8.0		8.7		Downstream	0.22
	D2a	Cloudy	Calm	9:39	0.25	1st	Middle	16.9	16.8	7.4	7.4	0.2	0.2	34.1	33.6	3.3	3.3	8.6	8.8	1.4	1.4	Downstream	0.15
		Cloudy	Calm	9:39	0.25	2nd	Middle	16.8		7.4		0.2		33.1		3.2		8.9		1.4		Downstream	0.15
	D2b'	Cloudy	Calm	10:29	0.30	1st	Middle	16.8	16.8	7.8	7.8	3.4	3.4	80.0	79.2	7.6	7.5	22.6	22.8	11.0	10.5	Downstream	0.17
		Cloudy	Calm	10:29	0.30	2nd	Middle	16.8		7.8		3.4		78.3		7.5		22.9		10.0		Downstream	0.17
	D2c	Cloudy	Calm	10:39	0.70	1st	Middle	18.2	18.2	7.3	7.3	0.6	0.6	33.9	33.2	3.2	3.1	12.5	12.5	3.7	2.5	Downstream	1.91
		Cloudy	Calm	10:39	0.75	2nd	Middle	18.2		7.3		0.6		32.4		3.0		12.5		1.2		Downstream	1.91
	D2d	Cloudy	Calm	9:23	0.55	1st	Middle	20.1	20.1	7.0	7.0	1.3	1.2	17.0	16.8	1.5	1.5	20.7	20.3	20.0	14.9	Downstream	0.35
		Cloudy	Calm	9:24	0.55	2nd	Middle	20.1		7.0		1.2		16.5		1.5		19.9		9.8		Downstream	0.35
	D7	Cloudy	Calm	9:59	0.30	1st	Middle	17.0	17.0	7.1	7.1	0.1	0.1	17.6	17.2	1.7	1.7	6.8	6.6	1.0	1.0	Downstream	0.44
		Cloudy	Calm	10:00	0.30	2nd	Middle	17.0		7.1		0.1		16.8		1.6		6.3		1.0		Downstream	0.44
	D8	Cloudy	Calm	10:14	0.25	1st	Middle	21.0	20.9	7.4	7.4	0.2	0.2	19.8	19.7	1.8	1.8	9.6	9.8	7.3	5.6	Downstream	0.22
		Cloudy	Calm	10:15	0.25	2nd	Middle	20.9		7.4		0.2		19.5		1.7		10.1		3.8		Downstream	0.22

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-21	U2a	Sunny	Calm	8:34	0.25	1st	Middle	19.8	19.8	7.1	7.1	0.1	0.1	94.0	93.3	8.6	8.5	5.8	5.9	2.5	2.0	Downstream	0.56
		Sunny	Calm	8:35	0.25	2nd	Middle	19.8		7.1		0.1		92.5		8.4		5.9		1.5		Downstream	0.56
	U2b'	Sunny	Calm	8:49	0.20	1st	Middle	19.4	19.4	7.3	7.3	0.1	0.1	21.4	21.7	2.0	2.0	6.2	6.0	3.6	3.7	Downstream	3.64
		Sunny	Calm	8:49	0.20	2nd	Middle	19.4		7.4		0.1		21.9		2.0		5.8		3.7		Downstream	3.64
	G2	Sunny	Calm	9:04	0.20	1st	Middle	18.7	18.7	7.6	7.6	0.1	0.1	73.5	73.1	6.9	6.8	4.3	4.4	8.6	9.2	Downstream	0.11
		Sunny	Calm	9:05	0.25	2nd	Middle	18.7		7.6		0.1		72.6		6.8		4.5		9.8		Downstream	0.11
	D2a	Sunny	Calm	9:31	0.20	1st	Middle	17.4	17.4	7.6	7.6	0.2	0.2	38.9	37.7	3.7	3.6	8.6	8.8	6.5	6.4	Downstream	0.22
		Sunny	Calm	9:32	0.25	2nd	Middle	17.4		7.5		0.2		36.5		3.5		9.1		6.3		Downstream	0.22
	D2b'	Sunny	Calm	10:29	0.35	1st	Middle	17.8	17.8	7.6	7.6	4.6	4.6	83.5	82.0	7.7	7.6	26.8	26.4	16.0	15.5	Downstream	0.46
		Sunny	Calm	10:29	0.35	2nd	Middle	17.8		7.6		4.6		80.5		7.4		26.0		15.0		Downstream	0.46
	D2c	Sunny	Calm	10:39	0.40	1st	Middle	18.0	18.0	7.4	7.5	1.2	1.2	73.3	73.4	6.9	6.9	9.5	9.5	5.2	5.3	Downstream	0.21
		Sunny	Calm	10:39	0.35	2nd	Middle	18.0		7.5		1.2		73.4		6.9		9.4		5.3		Downstream	0.21
	D2d	Sunny	Calm	9:18	0.40	1st	Middle	18.6	18.6	7.3	7.3	3.1	3.1	27.1	27.5	2.5	2.5	17.5	17.2	8.6	8.7	Downstream	0.17
		Sunny	Calm	9:18	0.40	2nd	Middle	18.6		7.3		3.1		27.9		2.6		16.9		8.7		Downstream	0.17
	D7	Sunny	Calm	9:59	0.25	1st	Middle	17.8	17.8	7.0	7.0	0.1	0.1	17.5	17.4	1.7	1.7	6.4	6.4	1.0	1.0	Downstream	0.23
		Sunny	Calm	9:59	0.25	2nd	Middle	17.8		7.0		0.1		17.3		1.6		6.3		1.0		Downstream	0.23
	D8	Sunny	Calm	10:14	0.30	1st	Middle	20.5	20.4	7.4	7.4	0.2	0.2	26.3	26.9	2.4	2.4	9.3	9.2	2.0	2.0	Downstream	0.27
		Sunny	Calm	10:15	0.35	2nd	Middle	20.4		7.4		0.2		27.4		2.5		9.2		2.0		Downstream	0.27

Remark

Action Level Exceedance

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-24	U2a	Sunny	Calm	8:38	0.10	1st	Middle	21.6	21.6	6.6	6.6	0.1	0.1	91.7	91.5	8.1	8.1	4.3	4.3	13.0	7.8	Downstream	0.53
		Sunny	Calm	8:39	0.15	2nd	Middle	21.6		6.6		0.1		91.2		8.0		4.3		2.6		Downstream	0.53
	U2b'	Sunny	Calm	8:54	0.20	1st	Middle	22.1	22.1	7.0	7.0	0.1	0.1	13.8	13.7	1.2	1.2	1.9	1.9	2.9	3.0	Downstream	4.26
		Sunny	Calm	8:54	0.20	2nd	Middle	22.1		7.0		0.1		13.6		1.2		1.9		3.0		Downstream	4.26
	G2	Sunny	Calm	9:12	0.20	1st	Middle	22.2	22.2	7.2	7.2	0.1	0.1	26.7	26.7	2.3	2.3	395.0	393.0	4.6	7.3	Downstream	0.18
		Sunny	Calm	9:12	0.20	2nd	Middle	22.2		7.2		0.1		26.6		2.3		391.0		10.0		Downstream	0.18
	D2a	Sunny	Calm	9:46	0.15	1st	Middle	21.2	21.2	7.4	7.4	0.2	0.2	33.7	34.3	3.0	3.0	7.5	7.5	2.5	7.8	Downstream	0.17
		Sunny	Calm	9:46	0.15	2nd	Middle	21.2		7.4		0.2		34.9		3.1		7.4		13.0		Downstream	0.17
	D2b'	Sunny	Calm	10:38	0.30	1st	Middle	22.0	22.0	7.5	7.5	5.2	5.2	53.4	54.2	4.5	4.6	11.9	11.8	11.0	11.5	Downstream	0.18
		Sunny	Calm	10:38	0.30	2nd	Middle	22.0		7.5		5.2		55.0		4.7		11.6		12.0		Downstream	0.18
	D2c	Sunny	Calm	10:52	0.25	1st	Middle	22.3	22.3	7.6	7.6	5.2	5.2	73.9	73.5	6.2	6.2	12.8	12.7	10.0	10.5	Downstream	1.04
		Sunny	Calm	10:53	0.25	2nd	Middle	22.4		7.6		5.2		73.0		6.2		12.5		11.0		Downstream	1.04
	D2d	Sunny	Calm	9:31	0.20	1st	Middle	21.2	21.2	7.4	7.4	2.7	2.7	15.2	15.3	1.3	1.3	8.5	8.7	9.1	10.6	Downstream	0.31
		Sunny	Calm	9:33	0.25	2nd	Middle	21.2		7.4		2.8		15.4		1.4		8.9		12.0		Downstream	0.31
	D7	Sunny	Calm	10:09	0.20	1st	Middle	21.0	21.0	7.0	7.0	0.1	0.1	16.1	15.8	1.4	1.4	6.4	6.5	4.6	2.8	Downstream	0.46
		Sunny	Calm	10:10	0.20	2nd	Middle	21.0		7.0		0.1		15.4		1.4		6.5		1.0		Downstream	0.46
	D8	Sunny	Calm	10:22	0.25	1st	Middle	22.0	22.1	7.5	7.5	0.2	0.2	36.1	35.4	3.2	3.1	9.1	9.2	4.8	5.1	Downstream	0.24
		Sunny	Calm	10:22	0.25	2nd	Middle	22.1		7.5		0.2		34.7		3.0		9.3		5.4		Downstream	0.24

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-26	U2a	Sunny	Calm	8:34	0.25	1st	Middle	19.8	19.8	7.4	7.4	0.1	0.1	90.1	90.3	8.2	8.2	5.6	5.8	1.6	1.3	Downstream	0.73
		Sunny	Calm	8:34	0.25	2nd	Middle	19.8		7.4		0.1		90.4		8.3		6.0		1.0		Downstream	0.73
	U2b'	Sunny	Calm	8:48	0.20	1st	Middle	19.7	19.7	7.3	7.3	0.1	0.1	20.1	19.9	1.8	1.8	4.7	4.7	3.6	3.4	Downstream	6.62
		Sunny	Calm	8:49	0.20	2nd	Middle	19.7		7.3		0.1		19.6		1.8		4.7		3.2		Downstream	6.62
	G2	Sunny	Calm	9:06	0.25	1st	Middle	18.6	18.6	7.6	7.6	0.3	0.3	69.9	70.1	6.6	6.6	2.3	2.4	7.4	7.3	Downstream	0.14
		Sunny	Calm	9:07	0.25	2nd	Middle	18.6		7.6		0.3		70.2		6.6		2.6		7.1		Downstream	0.14
	D2a	Sunny	Calm	9:31	0.15	1st	Middle	17.9	17.9	7.7	7.6	0.2	0.2	39.8	40.0	3.8	3.8	6.4	6.4	2.3	2.6	Downstream	0.19
		Sunny	Calm	9:32	0.15	2nd	Middle	17.9		7.6		0.2		40.1		3.8		6.5		2.8		Downstream	0.19
	D2b'	Sunny	Calm	10:21	0.25	1st	Middle	18.9	18.9	7.6	7.6	6.0	6.0	66.6	66.8	6.0	6.0	12.7	12.7	6.9	7.2	Downstream	0.31
		Sunny	Calm	10:22	0.25	2nd	Middle	18.9		7.6		6.0		66.9		6.0		12.7		7.5		Downstream	0.31
	D2c	Sunny	Calm	10:31	0.25	1st	Middle	19.0	19.0	7.7	7.7	0.8	0.8	26.0	25.2	2.4	2.3	7.0	7.0	5.4	5.5	Downstream	0.59
		Sunny	Calm	10:32	0.25	2nd	Middle	19.0		7.6		0.8		24.3		2.3		7.0		5.6		Downstream	0.59
	D2d	Sunny	Calm	9:17	0.25	1st	Middle	20.6	20.6	7.4	7.4	1.7	1.6	18.0	18.2	1.6	1.6	8.3	8.6	8.2	7.9	Downstream	0.30
		Sunny	Calm	9:19	0.30	2nd	Middle	20.5		7.3		1.5		18.4		1.6		8.8		7.6		Downstream	0.30
	D7	Sunny	Calm	9:50	0.20	1st	Middle	18.1	18.1	7.3	7.2	0.1	0.1	22.4	22.5	2.1	2.1	6.7	6.8	1.0	1.0	Downstream	0.53
		Sunny	Calm	9:50	0.20	2nd	Middle	18.1		7.2		0.1		22.5		2.1		7.0		1.0		Downstream	0.53
	D8	Sunny	Calm	10:02	0.30	1st	Middle	20.1	20.1	7.5	7.4	0.2	0.2	30.5	29.1	2.8	2.6	9.2	9.3	4.2	4.2	Downstream	0.26
		Sunny	Calm	10:03	0.30	2nd	Middle	20.1		7.4		0.2		27.6		2.5		9.4		4.2		Downstream	0.26

Remark

Action Level Exceedance

Limit Level Exceedance

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-28	U2a	Sunny	Calm	8:20	0.20	1st	Middle	19.3	19.3	7.3	7.3	0.1	0.1	96.7	96.0	8.9	8.9	5.7	6.1	2.8	2.4	Downstream	0.70
		Sunny	Calm	8:20	0.20	2nd	Middle	19.3		7.3		95.3		8.8		6.4		1.9		Downstream		0.70	
	U2b'	Sunny	Calm	8:33	0.20	1st	Middle	19.0	19.0	7.3	7.3	0.1	0.1	22.6	22.3	2.1	2.1	2.8	2.8	4.7	4.0	Downstream	4.74
		Sunny	Calm	8:34	0.20	2nd	Middle	19.0		7.3		21.9		2.0		2.8		3.3		Downstream		4.74	
	G2	Sunny	Calm	8:50	0.20	1st	Middle	17.8	17.8	7.5	7.5	0.1	0.1	74.3	74.4	7.1	7.1	6.4	6.1	3.3	2.7	Downstream	0.16
		Sunny	Calm	8:51	0.20	2nd	Middle	17.8		7.5		74.4		7.1		5.9		2.0		Downstream		0.16	
	D2a	Sunny	Calm	9:19	0.15	1st	Middle	16.9	16.9	7.5	7.4	0.2	0.2	35.0	34.8	3.4	3.4	5.1	5.2	2.2	2.2	Downstream	0.23
		Sunny	Calm	9:19	0.15	2nd	Middle	16.9		7.4		34.6		3.3		5.3		2.1		Downstream		0.23	
	D2b'	Sunny	Calm	10:05	0.20	1st	Middle	15.9	15.9	7.6	7.6	6.0	6.0	78.3	77.8	7.5	7.4	14.1	14.8	13.0	13.0	Downstream	0.55
		Sunny	Calm	10:05	0.20	2nd	Middle	15.9		7.6		77.3		7.4		15.4		13.0		Downstream		0.55	
	D2c	Sunny	Calm	10:15	0.30	1st	Middle	17.3	17.3	7.6	7.6	0.7	0.6	28.7	28.1	2.7	2.7	7.2	7.2	6.8	6.7	Downstream	0.41
		Sunny	Calm	10:15	0.30	2nd	Middle	17.3		7.6		27.4		2.6		7.2		6.5		Downstream		0.41	
	D2d	Sunny	Calm	9:07	0.25	1st	Middle	19.4	19.4	7.3	7.3	1.8	1.8	17.6	16.7	1.6	1.5	5.0	5.4	7.6	7.7	Downstream	0.24
		Sunny	Calm	9:07	0.20	2nd	Middle	19.4		7.3		15.8		1.4		5.8		7.7		Downstream		0.24	
	D7	Sunny	Calm	9:38	0.25	1st	Middle	17.3	17.3	7.0	7.0	0.1	0.1	15.6	15.4	1.5	1.5	3.9	3.8	1.0	1.0	Downstream	0.26
		Sunny	Calm	9:38	0.25	2nd	Middle	17.3		7.0		15.2		1.5		3.7		1.0		Downstream		0.26	
D8	Sunny	Calm	9:48	0.20	1st	Middle	19.5	19.6	7.3	7.3	0.2	0.2	53.0	53.4	4.9	4.9	8.2	8.6	3.4	2.7	Downstream	0.18	
	Sunny	Calm	9:49	0.20	2nd	Middle	19.7		7.3		53.7		4.9		8.9		2.0		Downstream		0.18		
Remark		Action Level Exceedance Limit Level Exceedance																					

Annex F3 - Water Quality Monitoring Results

Water Quality Monitoring Data (for Works Contract No. ND/2024/10)

Date	Station	Weather Condition	River Condition	Start Time (hh:mm)	Water Depth (m)	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
Value								Average	Value			Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-01	U1a	Cloudy	Calm	12:25	0.08	1st	Middle	23.1	23.1	7.4	7.4	0.0	0.0	99.8	98.9	8.5	8.5	8.2	8.4	4.4	10.2	Downstream	0.18
		Cloudy	Calm	12:25	0.08	2nd	Middle	23.1		7.4		0.0		98.0		8.4		8.6		16.0		Downstream	0.18
	U1b'	Cloudy	Calm	13:25	0.12	1st	Middle	24.9	24.9	7.5	7.4	0.1	0.1	88.5	88.4	7.3	7.3	19.9	18.7	16.0	24.5	Downstream	0.04
		Cloudy	Calm	13:26	0.12	2nd	Middle	24.9		7.4		0.1		88.2		7.3		17.5		33.0		Downstream	0.04
	G1a	Cloudy	Calm	13:01	0.13	1st	Middle	23.8	23.8	7.8	7.8	0.0	0.0	108.6	108.5	9.2	9.2	5.8	6.1	8.6	9.8	Downstream	0.32
		Cloudy	Calm	13:01	0.13	2nd	Middle	23.8		7.8		0.0		108.4		9.2		6.3		11.0		Downstream	0.32
	G1b	Cloudy	Calm	12:45	0.34	1st	Middle	24.4	24.4	7.3	7.3	0.1	0.1	53.7	52.7	4.5	4.4	13.3	13.1	11.0	10.2	Downstream	0.10
		Cloudy	Calm	12:46	0.34	2nd	Middle	24.4		7.4		0.1		51.7		4.3		12.9		9.4		Downstream	0.10
	G1c	Cloudy	Calm	14:01	0.07	1st	Middle	24.9	24.9	7.8	7.8	0.4	0.4	65.4	65.3	5.4	5.4	13.3	13.1	4.0	5.7	Downstream	0.54
		Cloudy	Calm	14:01	0.07	2nd	Middle	24.9		7.8		0.4		65.2		5.4		12.8		7.3		Downstream	0.54
	G1d	Cloudy	Calm	13:49	0.10	1st	Middle	25.1	25.1	7.8	7.8	0.1	0.1	66.6	65.9	5.5	5.4	28.9	29.2	1.0	1.7	Downstream	0.09
		Cloudy	Calm	13:50	0.10	2nd	Middle	25.1		7.9		0.1		65.1		5.4		29.4		2.4		Downstream	0.09
	D1'	Cloudy	Calm	14:13	0.38	1st	Middle	25.4	25.4	7.8	7.8	0.4	0.4	31.4	31.7	2.6	2.6	19.2	18.5	20.0	10.6	Downstream	0.06
		Cloudy	Calm	14:13	0.38	2nd	Middle	25.4		7.8		0.4		31.9		2.6		17.8		1.1		Downstream	0.06

Date	Station	Weather Condition	River Condition	Start Time (hh:mm)	Water Depth (m)	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
Value								Average	Value			Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-03	U1a	Cloudy	Calm	9:06	0.07	1st	Middle	21.7	21.7	7.3	7.3	0.0	0.0	90.8	90.8	8.0	8.0	6.3	7.0	2.1	1.7	Downstream	0.06
		Cloudy	Calm	9:06	0.07	2nd	Middle	21.7		7.3		0.0		90.7		8.0		7.6		1.3		Downstream	0.06
	U1b'	Cloudy	Calm	9:30	0.11	1st	Middle	23.3	23.3	7.2	7.2	0.1	0.1	67.0	66.4	5.7	5.7	6.1	6.7	1.0	1.0	Downstream	0.01
		Cloudy	Calm	9:30	0.11	2nd	Middle	23.3		7.2		0.1		65.7		5.6		7.2		1.0		Downstream	0.01
	G1a	Cloudy	Calm	8:44	0.12	1st	Middle	21.9	21.9	7.8	7.7	0.0	0.0	88.5	89.5	7.8	7.8	5.5	5.3	9.1	5.1	Downstream	0.10
		Cloudy	Calm	8:45	0.12	2nd	Middle	21.9		7.7		0.0		90.5		7.9		5.2		1.0		Downstream	0.10
	G1b	Cloudy	Calm	8:32	0.32	1st	Middle	22.5	22.5	7.5	7.5	0.1	0.1	55.9	55.6	4.8	4.8	8.2	9.2	6.2	7.7	Downstream	0.11
		Cloudy	Calm	8:32	0.32	2nd	Middle	22.5		7.5		0.1		55.2		4.8		10.2		9.2		Downstream	0.11
	G1c	Cloudy	Calm	10:19	0.07	1st	Middle	23.2	23.2	7.7	7.7	0.1	0.1	60.6	60.6	5.2	5.2	8.1	8.0	7.1	7.3	Downstream	0.20
		Cloudy	Calm	10:19	0.07	2nd	Middle	23.2		7.7		0.1		60.6		5.2		7.8		7.5		Downstream	0.20
	G1d	Cloudy	Calm	9:57	0.14	1st	Middle	22.6	22.6	8.0	8.0	0.1	0.1	65.9	65.0	5.7	5.6	16.3	16.1	8.4	8.2	Downstream	0.10
		Cloudy	Calm	9:58	0.14	2nd	Middle	22.6		8.0		0.1		64.1		5.5		15.8		8.0		Downstream	0.10
	D1'	Cloudy	Calm	10:34	0.38	1st	Middle	22.9	22.9	7.6	7.6	0.2	0.2	27.8	27.7	2.4	2.4	23.4	22.4	8.9	5.0	Downstream	0.06
		Cloudy	Calm	10:35	0.38	2nd	Middle	22.9		7.6		0.2		27.6		2.4		21.3		1.0		Downstream	0.06

Date	Station	Weather Condition	River Condition	Start Time (hh:mm)	Water Depth (m)	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
Value								Average	Value			Average	Value	Average	Value	Average	Value	Average	Value	Average			
2025-11-05	U1a	Sunny	Calm	9:12	0.10	1st	Middle	21.3	21.3	7.4	7.4	0.0	0.0	93.4	93.5	8.3	8.3	4.6	4.3	2.2	2.0	Downstream	0.13
		Sunny	Calm	9:13	0.10	2nd	Middle	21.3		7.4		0.0		93.5		8.3		4.1		1.8		Downstream	0.13
	U1b'	Sunny	Calm	9:42	0.13	1st	Middle	23.6	23.6	7.3	7.3	0.1	0.1	67.5	66.9	5.7	5.7	9.4	9.8	3.5	2.9	Downstream	0.07
		Sunny	Calm	9:42	0.13	2nd	Middle	23.7		7.3		0.1		66.3		5.6		10.1		2.3		Downstream	0.07
	G1a	Sunny	Calm	8:49	0.12	1st	Middle	21.0	21.0	7.7	7.7	0.0	0.0	97.2	96.8	8.7	8.6	6.2	6.2	2.5	2.6	Downstream	0.07
		Sunny	Calm	8:50	0.12	2nd	Middle	21.0		7.6		0.0		96.4		8.6		6.3		2.7		Downstream	0.07
	G1b	Sunny	Calm	8:34	0.31	1st	Middle	21.4	21.5	7.6	7.5	0.1	0.1	47.6	48.7	4.2	4.4	10.2	11.0	9.8	9.9	Downstream	0.15
		Sunny	Calm	8:34	0.31	2nd	Middle	21.5		7.5		0.1		49.7		4.7		11.7		10.0		Downstream	0.15
	G1c	Sunny	Calm	10:14	0.07	1st	Middle	23.0	23.0	7.7	7.7	0.1	0.1	60.5	60.5	5.2	5.2	8.5	8.7	11.0	11.0	Downstream	0.05
		Sunny	Calm	10:14	0.07	2nd	Middle	23.0		7.7		0.1		60.4		5.2		8.9		11.0		Downstream	0.05
	G1d	Sunny	Calm	9:59	0.21	1st	Middle	23.4	23.4	7.8	7.8	0.1	0.1	60.5	63.0	5.1	5.4	17.5	17.0	6.5	6.6	Downstream	0.10
		Sunny	Calm	9:59	0.21	2nd	Middle	23.4		7.8		0.1		65.4		5.6		16.5		6.6		Downstream	0.10
	D1'	Sunny	Calm	10:29	0.37	1st	Middle	22.5	22.4	7.6	7.6	0.3	0.3	27.9	28.2	2.4	2.4	17.6	17.8	23.0	24.0	Downstream	0.11
		Sunny	Calm	10:29	0.37	2nd	Middle	22.4		7.6		0.3		28.5		2.5		18.0		25.0		Downstream	0.11

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)			(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-07	U1a	Cloudy	Calm	9:24	0.08	1st	Middle	22.7	22.7	7.4	7.4	0.0	0.0	91.9	91.9	7.9	7.9	7.4	7.2	2.7	2.8	Downstream	0.10
		Cloudy	Calm	9:24	0.08	2nd	Middle	22.7		7.4		0.0		91.8		7.9		7.1		2.9		Downstream	0.10
	U1b'	Cloudy	Calm	9:51	0.15	1st	Middle	24.1	24.1	7.9	7.9	0.1	0.1	103.1	103.3	8.7	8.7	9.0	9.3	4.7	4.6	Downstream	0.05
		Cloudy	Calm	9:51	0.15	2nd	Middle	24.2		7.9		0.1		103.4		8.7		9.6		4.5		Downstream	0.05
	G1a	Cloudy	Calm	8:54	0.12	1st	Middle	23.1	23.1	7.7	7.7	0.0	0.0	87.5	87.4	7.5	7.5	5.8	5.6	2.8	2.7	Downstream	0.19
		Cloudy	Calm	8:55	0.12	2nd	Middle	23.1		7.7		0.0		87.2		7.5		5.4		2.6		Downstream	0.19
	G1b	Cloudy	Calm	8:42	0.28	1st	Middle	23.5	23.5	7.6	7.6	0.1	0.1	86.2	86.1	7.3	7.3	7.7	7.9	11.0	10.5	Downstream	0.11
		Cloudy	Calm	8:42	0.28	2nd	Middle	23.5		7.6		0.1		85.9		7.3		8.0		10.0		Downstream	0.11
	G1c	Cloudy	Calm	11:04	0.07	1st	Middle	24.1	24.1	7.8	7.8	0.1	0.1	64.2	63.8	5.4	5.4	7.6	7.6	5.4	5.5	Downstream	0.06
		Cloudy	Calm	11:05	0.07	2nd	Middle	24.2		7.8		0.1		63.3		5.3		7.6		5.6		Downstream	0.06
	G1d	Cloudy	Calm	10:05	0.08	1st	Middle	24.0	24.0	7.9	7.9	0.1	0.1	56.9	55.7	4.8	4.7	14.4	14.2	14.0	13.0	Downstream	0.13
		Cloudy	Calm	10:05	0.08	2nd	Middle	24.0		7.9		0.1		54.4		4.6		14.0		12.0		Downstream	0.13
	D1'	Cloudy	Calm	11:18	0.32	1st	Middle	24.3	24.3	7.6	7.6	0.3	0.3	27.2	27.1	2.3	2.3	24.8	24.3	34.0	31.0	Downstream	0.15
		Cloudy	Calm	11:18	0.32	2nd	Middle	24.3		7.6		0.3		27.0		2.3		23.8		28.0		Downstream	0.15

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level (Surface/Middle/ Bottom)	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction (No current / Downstream)	Current Velocity (No current / m/s)
(yyyy-mm-dd)				(hh:mm)	(m)			(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
											Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-10	U1a	Sunny	Calm	12:09	0.10	1st	Middle	23.3	23.2	7.4	7.4	0.0	0.0	90.8	90.4	7.8	7.7	8.5	8.7	8.8	8.7	Downstream	0.18
		Sunny	Calm	12:09	0.10	2nd	Middle	23.2		7.4		0.0		90.0		7.7		9.0		8.6		Downstream	0.18
	U1b'	Sunny	Calm	12:34	0.20	1st	Middle	24.8	24.8	7.7	7.7	0.1	0.1	69.1	69.6	5.7	5.8	15.2	15.0	3.4	3.2	Downstream	0.03
		Sunny	Calm	12:34	0.20	2nd	Middle	24.8		7.8		0.1		70.1		5.8		14.8		3.0		Downstream	0.03
	G1a	Sunny	Calm	11:24	0.15	1st	Middle	23.5	23.5	7.8	7.8	0.0	0.0	90.7	90.7	7.7	7.7	6.0	6.3	13.0	11.3	Downstream	0.17
		Sunny	Calm	11:24	0.15	2nd	Middle	23.5		7.8		0.0		90.7		7.7		6.5		9.5		Downstream	0.17
	G1b	Sunny	Calm	11:12	0.65	1st	Middle	24.3	24.3	7.7	7.7	0.1	0.1	41.1	40.3	3.4	3.4	7.3	7.5	10.0	9.3	Downstream	0.07
		Sunny	Calm	11:13	0.60	2nd	Middle	24.3		7.7		0.1		39.4		3.3		7.8		8.6		Downstream	0.07
	G1c	Sunny	Calm	13:23	0.10	1st	Middle	26.0	26.0	8.3	8.3	0.2	0.2	61.2	61.6	5.0	5.0	17.5	16.9	2.3	2.9	Downstream	0.52
		Sunny	Calm	13:24	0.10	2nd	Middle	26.0		8.3		0.2		61.9		5.0		16.3		3.5		Downstream	0.52
	G1d	Sunny	Calm	13:01	0.20	1st	Middle	25.8	25.8	8.5	8.6	0.2	0.2	73.4	73.2	6.0	6.0	22.4	22.5	12.0	12.0	Downstream	0.14
		Sunny	Calm	13:01	0.20	2nd	Middle	25.8		8.6		0.2		73.0		5.9		22.6		12.0		Downstream	0.14
	D1'	Sunny	Calm	13:37	0.10	1st	Middle	27.0	27.0	8.0	8.0	0.3	0.3	65.2	64.9	5.2	5.2	33.8	33.2	8.6	6.6	Downstream	0.19
		Sunny	Calm	13:38	0.10	2nd	Middle	27.0		8.0		0.3		64.5		5.1		32.5		4.6		Downstream	0.19

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-12	U1a	Sunny	Calm	11:36	0.15	1st	Middle	22.2	22.2	7.5	7.5	0.0	0.0	94.1	94.4	8.2	8.2	10.9	10.7	1.0	1.1	Downstream	0.15
		Sunny	Calm	11:37	0.10	2nd	Middle	22.2		7.5		94.6		8.2		10.5		1.2		Downstream		0.15	
	U1b'	Sunny	Calm	12:08	0.25	1st	Middle	23.8	23.9	7.7	7.7	0.1	0.1	101.9	102.1	8.6	8.6	130.0	128.0	81.0	79.0	Downstream	0.05
		Sunny	Calm	12:08	0.25	2nd	Middle	23.9		7.7		0.1		102.2		8.6		126.0		77.0		Downstream	0.05
	G1a	Sunny	Calm	11:14	0.20	1st	Middle	22.1	22.1	7.8	7.8	0.0	0.0	94.6	95.0	8.3	8.3	9.4	9.0	1.0	6.0	Downstream	0.14
		Sunny	Calm	11:14	0.20	2nd	Middle	22.1		7.8		0.0		95.4		8.3		8.6		11.0		Downstream	0.14
	G1b	Sunny	Calm	10:59	0.50	1st	Middle	22.8	22.8	7.7	7.7	0.1	0.1	42.7	43.3	3.7	3.7	14.4	14.1	9.7	10.9	Downstream	0.10
		Sunny	Calm	11:00	0.50	2nd	Middle	22.8		7.7		0.1		43.8		3.8		13.8		12.0		Downstream	0.10
	G1c	Sunny	Calm	12:37	0.15	1st	Middle	24.7	24.7	7.9	7.9	0.1	0.1	64.6	64.6	5.4	5.4	9.3	9.0	5.6	6.3	Downstream	0.57
		Sunny	Calm	12:37	0.15	2nd	Middle	24.7		7.9		0.1		64.5		5.4		8.7		7.0		Downstream	0.57
	G1d	Sunny	Calm	12:23	0.30	1st	Middle	23.9	23.9	9.6	9.6	0.1	0.1	77.3	77.0	6.5	6.5	48.4	49.9	22.0	27.0	Downstream	0.16
		Sunny	Calm	12:23	0.30	2nd	Middle	23.9		9.7		0.1		76.6		6.5		51.4		32.0		Downstream	0.16
	D1'	Sunny	Calm	12:49	0.45	1st	Middle	23.3	23.3	7.8	7.8	0.3	0.3	23.4	23.3	2.0	2.0	22.7	23.3	16.0	13.0	Downstream	0.10
		Sunny	Calm	12:49	0.45	2nd	Middle	23.3		7.8		0.3		23.1		2.0		23.8		10.0		Downstream	0.10

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-14	U1a	Sunny	Calm	11:47	0.15	1st	Middle	21.8	21.8	7.5	7.5	0.0	0.0	94.9	94.6	8.3	8.3	8.0	7.9	1.4	1.4	Downstream	0.07
		Sunny	Calm	11:48	0.15	2nd	Middle	21.8		7.4		0.0		94.3		8.3		7.7		1.4		Downstream	0.07
	U1b'	Sunny	Calm	12:11	0.30	1st	Middle	23.8	24.0	7.4	7.5	0.1	0.1	79.5	75.8	6.7	6.4	6.0	6.3	2.0	2.1	Downstream	0.03
		Sunny	Calm	12:12	0.30	2nd	Middle	24.2		7.6		0.1		72.0		6.1		6.6		2.2		Downstream	0.03
	G1a	Sunny	Calm	11:26	0.25	1st	Middle	21.7	21.7	7.9	7.9	0.0	0.0	97.7	97.8	8.6	8.6	5.7	5.8	1.5	1.4	Downstream	0.15
		Sunny	Calm	11:27	0.20	2nd	Middle	21.7		7.9		0.0		97.8		8.6		6.0		1.2		Downstream	0.15
	G1b	Sunny	Calm	11:14	0.45	1st	Middle	22.4	22.4	7.7	7.7	0.1	0.1	103.6	103.4	9.0	9.0	9.5	9.7	13.0	12.5	Downstream	0.65
		Sunny	Calm	11:14	0.45	2nd	Middle	22.4		7.7		0.1		103.2		8.9		9.8		12.0		Downstream	0.65
	G1c	Sunny	Calm	12:39	0.15	1st	Middle	24.9	24.9	7.8	7.8	0.1	0.1	65.8	65.9	5.5	5.5	9.3	9.4	12.0	11.5	Downstream	3.56
		Sunny	Calm	12:39	0.15	2nd	Middle	24.9		7.8		0.1		65.9		5.5		9.6		11.0		Downstream	3.56
	G1d	Sunny	Calm	12:25	0.25	1st	Middle	24.4	24.4	8.3	8.3	0.1	0.1	82.3	82.2	6.9	6.9	13.1	13.4	5.0	5.0	Downstream	0.56
		Sunny	Calm	12:25	0.25	2nd	Middle	24.4		8.3		0.1		82.0		6.9		13.7		4.9		Downstream	0.56
	D1'	Sunny	Calm	12:56	0.40	1st	Middle	23.6	23.6	7.7	7.7	0.3	0.3	17.9	17.1	1.5	1.5	21.0	21.9	6.6	6.3	Downstream	0.89
		Sunny	Calm	12:56	0.40	2nd	Middle	23.6		7.7		0.3		16.2		1.4		22.7		5.9		Downstream	0.89

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/ Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-17	U1a	Sunny	Calm	11:13	0.25	1st	Middle	22.9	22.9	7.5	7.5	0.0	0.0	92.8	92.8	8.0	8.0	6.3	6.6	2.7	2.5	Downstream	0.81
		Sunny	Calm	11:14	0.20	2nd	Middle	22.9		7.5		0.0		92.7		8.0		6.9		2.3		Downstream	0.81
	U1b'	Sunny	Calm	11:39	0.35	1st	Middle	25.1	25.1	7.7	7.8	0.1	0.1	84.2	84.2	6.9	6.9	125.0	122.5	17.0	17.0	Downstream	0.30
		Sunny	Calm	11:39	0.35	2nd	Middle	25.1		7.8		0.1		84.2		6.9		120.0		17.0		Downstream	0.30
	G1a	Sunny	Calm	10:54	0.30	1st	Middle	23.0	23.0	3.9	4.1	0.0	0.0	94.4	94.5	8.1	8.1	3.9	4.1	2.8	2.5	Downstream	1.04
		Sunny	Calm	10:54	0.30	2nd	Middle	23.0		4.2		0.0		94.5		8.1		4.2		2.2		Downstream	1.04
	G1b	Sunny	Calm	10:42	0.55	1st	Middle	24.0	24.0	7.7	7.7	0.2	0.2	32.6	32.8	2.8	2.8	8.6	8.6	13.0	13.5	Downstream	0.77
		Sunny	Calm	10:42	0.55	2nd	Middle	24.0		7.6		0.2		33.0		2.8		8.7		14.0		Downstream	0.77
	G1c	Sunny	Calm	12:16	0.25	1st	Middle	26.0	26.0	7.8	7.8	0.1	0.1	53.7	53.7	4.4	4.4	6.2	6.2	8.6	9.8	Downstream	1.83
		Sunny	Calm	12:16	0.20	2nd	Middle	26.0		7.8		0.1		53.6		4.4		6.3		11.0		Downstream	1.83
	G1d	Sunny	Calm	12:03	0.35	1st	Middle	26.1	26.1	8.8	8.8	0.1	0.1	90.3	89.2	7.3	7.2	15.4	15.3	10.0	7.8	Downstream	0.35
		Sunny	Calm	12:04	0.30	2nd	Middle	26.1		8.8		0.1		88.1		7.1		15.1		5.6		Downstream	0.35
	D1'	Sunny	Calm	12:26	0.60	1st	Middle	25.1	25.1	7.5	7.5	0.3	0.3	101.1	100.9	8.3	8.3	37.8	37.1	6.6	7.0	Downstream	0.73
		Sunny	Calm	12:26	0.60	2nd	Middle	25.1		7.5		0.3		100.6		8.3		36.4		7.4		Downstream	0.73

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-19	U1a	Sunny	Calm	11:37	0.25	1st	Middle	17.6	17.6	7.5	7.4	0.0	0.0	91.3	91.3	8.7	8.7	3.4	3.3	1.2	1.4	Downstream	1.04
		Sunny	Calm	11:39	0.25	2nd	Middle	17.6		7.4		0.0		91.2		8.7		3.2		1.6		Downstream	1.04
	U1b'	Sunny	Calm	12:03	0.40	1st	Middle	18.7	18.7	7.7	7.7	0.1	0.1	69.0	70.2	6.4	6.5	1000.0	1000.0	78.0	124.0	Downstream	0.30
		Sunny	Calm	12:04	0.40	2nd	Middle	18.6		7.7		0.1		71.3		6.7		1000.0		170.0		Downstream	0.30
	G1a	Sunny	Calm	11:14	0.35	1st	Middle	17.1	17.1	7.9	7.9	0.0	0.0	101.3	101.2	9.8	9.8	5.1	5.1	1.3	1.2	Downstream	1.36
		Sunny	Calm	11:15	0.35	2nd	Middle	17.1		7.9		0.0		101.1		9.8		5.1		1.0		Downstream	1.36
	G1b	Sunny	Calm	11:02	0.60	1st	Middle	18.1	18.1	7.7	7.7	0.1	0.1	68.6	67.6	6.5	6.4	9.4	9.4	8.5	8.1	Downstream	0.55
		Sunny	Calm	11:02	0.60	2nd	Middle	18.1		7.7		0.1		66.5		6.3		9.5		7.7		Downstream	0.55
	G1c	Sunny	Calm	12:36	0.25	1st	Middle	18.9	18.9	7.8	7.8	0.1	0.1	61.5	61.4	5.7	5.7	7.3	7.1	11.0	11.0	Downstream	3.87
		Sunny	Calm	12:37	0.25	2nd	Middle	18.9		7.8		0.1		61.2		5.7		6.9		11.0		Downstream	3.87
	G1d	Sunny	Calm	12:24	0.35	1st	Middle	17.9	17.9	8.6	8.7	0.1	0.1	72.2	72.2	6.9	6.8	36.0	36.1	12.0	12.5	Downstream	0.58
		Sunny	Calm	12:24	0.35	2nd	Middle	17.9		8.7		0.1		72.1		6.8		36.1		13.0		Downstream	0.58
	D1'	Sunny	Calm	12:50	0.65	1st	Middle	17.3	17.3	7.7	7.6	0.3	0.3	37.4	37.5	3.6	3.6	25.9	25.9	16.0	16.0	Downstream	0.48
		Sunny	Calm	12:50	0.65	2nd	Middle	17.3		7.6		0.3		37.5		3.6		25.9		16.0		Downstream	0.48

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-21	U1a	Sunny	Calm	11:33	0.25	1st	Middle	18.9	18.9	7.9	7.7	0.0	0.0	96.2	96.3	8.9	8.9	7.9	8.1	2.1	1.9	Downstream	1.83
		Sunny	Calm	11:34	0.25	2nd	Middle	18.9		7.5		0.0		96.3		8.9		8.3		1.7		Downstream	1.83
	U1b'	Sunny	Calm	12:00	0.35	1st	Middle	21.5	21.4	7.6	7.6	0.1	0.1	79.0	77.4	7.0	6.8	278.0	277.5	37.0	36.0	Downstream	0.41
		Sunny	Calm	12:00	0.40	2nd	Middle	21.3		7.6		0.1		75.8		6.7		277.0		35.0		Downstream	0.41
	G1a	Sunny	Calm	11:13	0.30	1st	Middle	18.3	18.3	7.8	7.8	0.0	0.0	98.8	98.8	9.3	9.3	6.3	6.3	7.5	4.4	Downstream	0.77
		Sunny	Calm	11:13	0.30	2nd	Middle	18.3		7.8		0.0		98.7		9.3		6.2		1.2		Downstream	0.77
	G1b	Sunny	Calm	10:59	0.65	1st	Middle	19.1	19.1	7.3	7.3	0.1	0.1	39.1	40.6	3.6	3.8	8.0	8.2	7.1	7.4	Downstream	0.70
		Sunny	Calm	10:59	0.65	2nd	Middle	19.1		7.4		0.1		42.0		3.9		8.4		7.7		Downstream	0.70
	G1c	Sunny	Calm	12:24	0.20	1st	Middle	21.3	21.4	7.8	7.8	0.1	0.1	64.1	63.7	5.7	5.6	8.5	8.0	6.8	6.9	Downstream	3.64
		Sunny	Calm	12:25	0.20	2nd	Middle	21.4		7.8		0.1		63.2		5.6		7.5		7.0		Downstream	3.64
	G1d	Sunny	Calm	12:13	0.30	1st	Middle	20.7	20.7	8.5	8.5	0.1	0.1	85.1	84.0	7.6	7.5	28.5	28.5	7.2	6.6	Downstream	0.48
		Sunny	Calm	12:14	0.30	2nd	Middle	20.7		8.5		0.1		82.9		7.4		28.5		6.0		Downstream	0.48
	D1'	Sunny	Calm	12:36	0.60	1st	Middle	19.5	19.4	7.4	7.4	0.3	0.3	104.4	103.8	9.6	9.5	28.4	28.2	14.0	8.3	Downstream	0.67
		Sunny	Calm	12:37	0.60	2nd	Middle	19.4		7.4		0.3		103.2		9.5		27.9		2.5		Downstream	0.67

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-24	U1a	Sunny	Calm	11:51	0.15	1st	Middle	21.6	21.6	7.5	7.5	0.0	0.0	93.9	93.6	8.3	8.3	7.7	7.6	30.0	16.0	Downstream	1.12
		Sunny	Calm	11:51	0.15	2nd	Middle	21.6		7.5		0.0		93.3		8.2		7.6		1.9		Downstream	1.12
	U1b'	Sunny	Calm	12:19	0.30	1st	Middle	22.5	22.6	7.8	7.9	0.1	0.1	78.6	76.8	6.8	6.6	159.0	155.5	19.0	29.0	Downstream	0.41
		Sunny	Calm	12:19	0.25	2nd	Middle	22.6		7.9		0.1		75.0		6.5		152.0		39.0		Downstream	0.41
	G1a	Sunny	Calm	11:22	0.25	1st	Middle	21.6	21.6	7.8	7.9	0.0	0.0	95.1	95.4	8.4	8.4	4.2	4.6	1.6	1.6	Downstream	0.47
		Sunny	Calm	11:23	0.25	2nd	Middle	21.6		7.9		0.0		95.6		8.4		4.9		1.6		Downstream	0.47
	G1b	Sunny	Calm	11:10	0.50	1st	Middle	22.3	22.3	7.6	7.6	0.1	0.1	19.8	19.7	1.7	1.7	7.0	7.1	12.0	11.5	Downstream	0.74
		Sunny	Calm	11:10	0.50	2nd	Middle	22.3		7.6		0.1		19.6		1.7		7.2		11.0		Downstream	0.74
	G1c	Sunny	Calm	12:53	0.15	1st	Middle	23.1	23.1	7.8	7.9	0.1	0.1	48.6	48.7	4.2	4.2	7.9	7.7	9.3	9.1	Downstream	0.18
		Sunny	Calm	12:53	0.15	2nd	Middle	23.1		7.9		0.1		48.7		4.2		7.5		8.8		Downstream	0.18
	G1d	Sunny	Calm	12:41	0.30	1st	Middle	23.4	23.4	9.5	9.6	0.1	0.1	83.1	82.4	7.1	7.0	50.0	50.8	14.0	16.5	Downstream	0.73
		Sunny	Calm	12:42	0.30	2nd	Middle	23.4		9.6		0.1		81.7		7.0		51.5		19.0		Downstream	0.73
	D1'	Sunny	Calm	13:07	0.40	1st	Middle	22.9	22.9	7.7	7.7	0.3	0.3	19.3	18.2	1.7	1.6	17.4	17.5	7.7	6.2	Downstream	0.81
		Sunny	Calm	13:07	0.40	2nd	Middle	22.9		7.7		0.3		17.0		1.5		17.6		4.6		Downstream	0.81

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		
2025-11-26	U1a/U1a'	Sunny	Calm	12:06	0.50	1st	Middle	19.5	19.5	7.5	7.5	0.0	0.0	97.1	96.8	8.9	8.9	8.5	8.4	18.0	13.2	Downstream	0.38
		Sunny	Calm	12:06	0.50	2nd	Middle	19.5		7.5		0.0		96.4		8.9		8.2		8.3		Downstream	0.38
	U1b'	Sunny	Calm	12:34	0.40	1st	Middle	21.7	21.8	7.5	7.5	0.1	0.1	81.6	79.8	7.2	7.0	185.0	191.5	130.0	130.0	Downstream	0.31
		Sunny	Calm	12:35	0.40	2nd	Middle	21.8		7.5		0.1		77.9		6.8		198.0		130.0		Downstream	0.31
	G1a	Sunny	Calm	11:14	0.25	1st	Middle	18.6	18.6	7.9	7.9	0.0	0.0	101.8	101.6	9.5	9.5	6.4	6.5	9.1	8.9	Downstream	0.81
		Sunny	Calm	11:15	0.25	2nd	Middle	18.6		7.9		0.0		101.3		9.5		6.6		8.6		Downstream	0.81
	G1b	Sunny	Calm	11:01	0.55	1st	Middle	19.7	19.7	7.6	7.6	0.1	0.1	35.6	37.1	3.3	3.4	7.1	7.1	9.8	9.9	Downstream	0.57
		Sunny	Calm	11:01	0.50	2nd	Middle	19.7		7.6		0.1		38.6		3.5		7.1		10.0		Downstream	0.57
	G1c	Sunny	Calm	13:03	0.20	1st	Middle	21.9	21.9	7.9	7.9	0.1	0.1	51.7	51.1	4.5	4.5	7.5	7.3	13.0	13.0	Downstream	3.16
		Sunny	Calm	13:04	0.20	2nd	Middle	22.0		7.9		0.1		50.4		4.4		7.1		13.0		Downstream	3.16
	G1d	Sunny	Calm	12:49	0.30	1st	Middle	21.6	21.6	8.9	8.9	0.1	0.1	84.5	85.1	7.4	7.5	29.2	29.9	12.0	12.5	Downstream	0.24
		Sunny	Calm	12:49	0.30	2nd	Middle	21.6		8.9		0.1		85.6		7.5		30.5		13.0		Downstream	0.24
	D1'	Sunny	Calm	13:17	0.40	1st	Middle	20.6	20.6	7.8	7.8	0.3	0.3	38.4	37.8	3.4	3.4	23.9	24.2	11.0	11.0	Downstream	0.34
		Sunny	Calm	13:17	0.40	2nd	Middle	20.6		7.8		0.3		37.2		3.3		24.4		11.0		Downstream	0.34

Annex F3 - Water Quality Monitoring Results

Date	Station	Weather Condition	River Condition	Start Time	Water Depth	Replicate	Sample Water Level	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		Current Direction	Current Velocity
(yyyy-mm-dd)				(hh:mm)	(m)		(Surface/Middle/Bottom)	(°C)				(ppt)		(%)		(mg/L)		(NTU)		(mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
2025-11-28	U1a/U1a'	Sunny	Calm	11:14	0.25	1st	Middle	17.7	17.7	7.7	7.7	0.0	0.0	96.6	95.7	9.2	9.1	5.4	5.3	4.7	5.3	Downstream	2.06
		Sunny	Calm	11:14	0.25	2nd	Middle	17.7		7.7		0.0		94.7		9.0		5.3		5.8		Downstream	2.06
	U1b'	Sunny	Calm	11:46	0.45	1st	Middle	20.2	20.3	7.5	7.5	0.1	0.1	68.7	68.1	6.2	6.2	781.0	774.5	55.0	53.5	Downstream	0.25
		Sunny	Calm	11:47	0.40	2nd	Middle	20.4		7.5		0.1		67.5		6.1		768.0		52.0		Downstream	0.25
	G1a	Sunny	Calm	10:54	0.25	1st	Middle	17.3	17.3	7.8	7.8	0.1	0.1	97.4	96.6	9.4	9.3	5.2	5.6	6.1	5.8	Downstream	0.55
		Sunny	Calm	10:54	0.25	2nd	Middle	17.3		7.8		0.1		95.8		9.2		6.0		5.4		Downstream	0.55
	G1b	Sunny	Calm	10:41	0.55	1st	Middle	18.0	18.0	7.6	7.6	0.2	0.2	44.0	44.1	4.2	4.2	7.8	7.7	7.2	6.8	Downstream	0.62
		Sunny	Calm	10:41	0.55	2nd	Middle	18.0		7.6		0.2		44.1		4.2		7.5		6.4		Downstream	0.62
	G1c	Sunny	Calm	12:15	0.20	1st	Middle	20.5	20.5	7.9	7.9	0.1	0.1	57.5	57.1	5.2	5.1	3.5	3.7	11.0	11.5	Downstream	0.25
		Sunny	Calm	12:15	0.20	2nd	Middle	20.5		7.9		0.1		56.7		5.1		3.9		12.0		Downstream	0.25
	G1d	Sunny	Calm	12:02	0.30	1st	Middle	19.7	19.7	10.0	10.0	0.1	0.1	75.5	75.9	6.9	6.9	45.3	44.9	14.0	16.0	Downstream	0.70
		Sunny	Calm	12:02	0.30	2nd	Middle	19.7		10.0		0.1		76.2		7.0		44.4		18.0		Downstream	0.70
	D1'	Sunny	Calm	12:27	0.30	1st	Middle	18.2	18.2	7.8	7.8	0.3	0.3	50.9	49.5	4.8	4.7	19.6	19.7	14.0	14.5	Downstream	0.20
		Sunny	Calm	12:27	0.30	2nd	Middle	18.2		7.8		0.3		48.1		4.5		19.7		15.0		Downstream	0.20

Remark

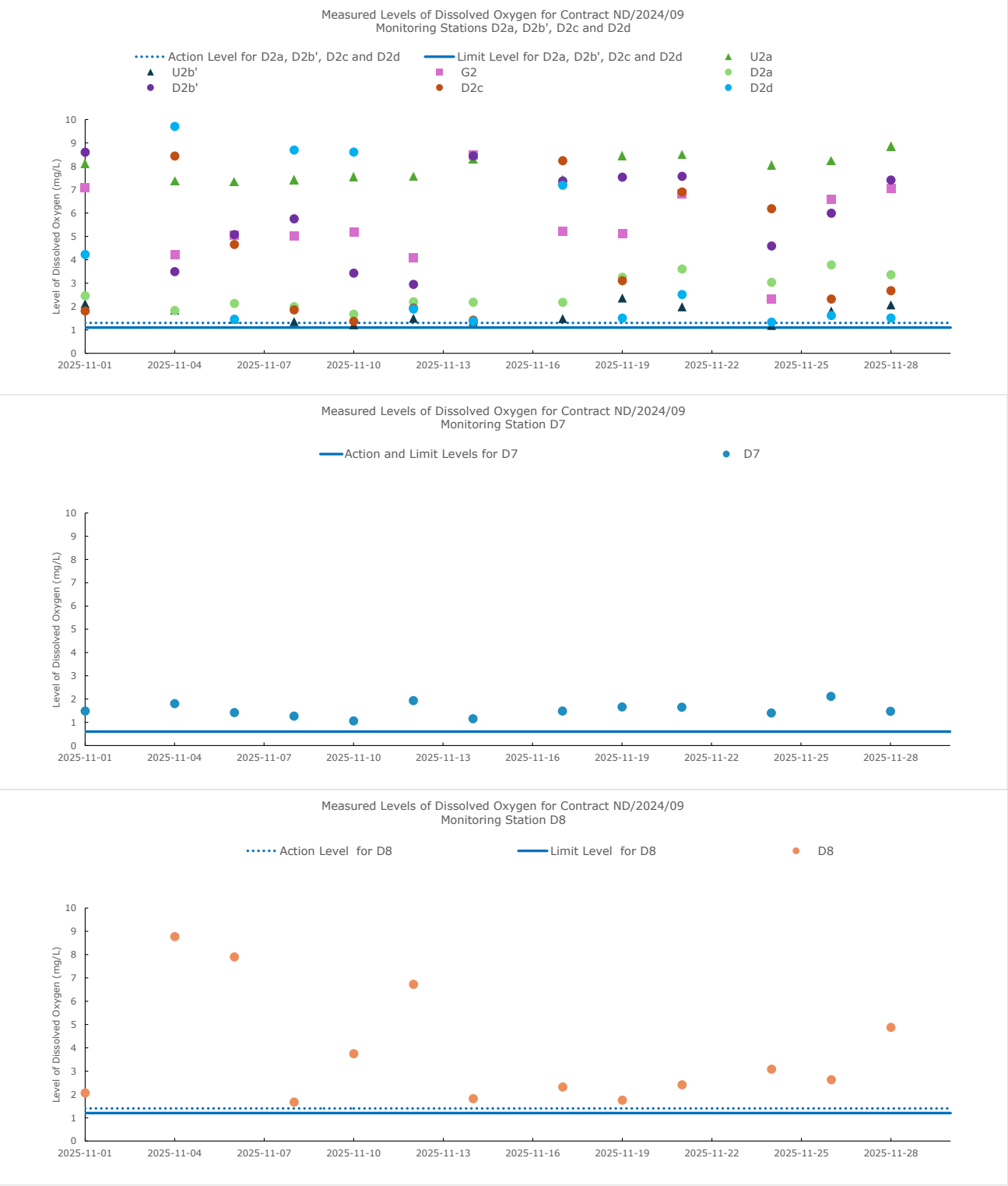
Action Level Exceedance

Limit Level Exceedance

Due to safety concern arise from unleashed dog at the access path to U1a, water quality monitoring was carried our at the alternative location U1a'

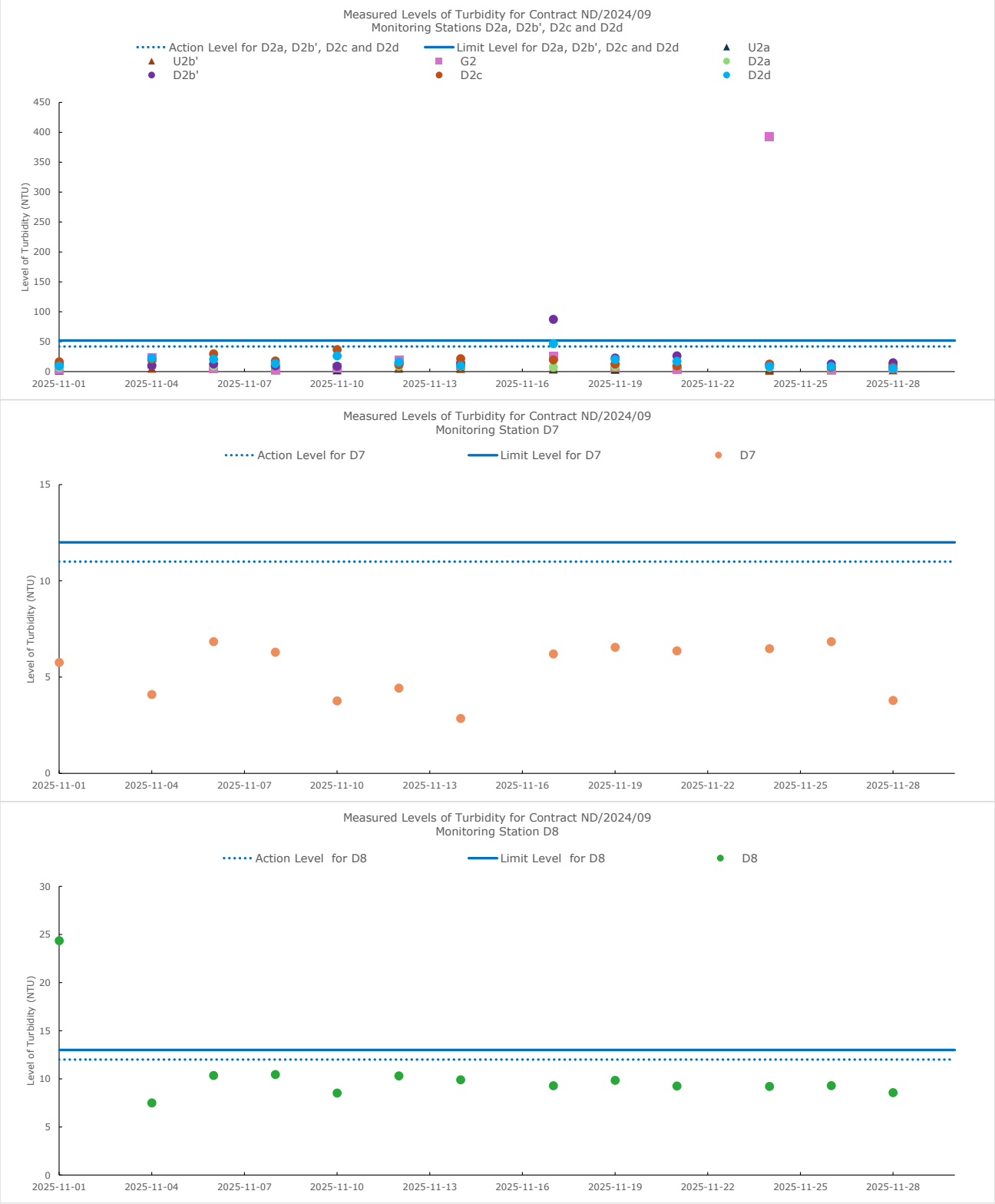
Annex F3 - Water Quality Monitoring Results

Graphical Plots of Monitoring Data (for Works Contract No. ND/2024/09)



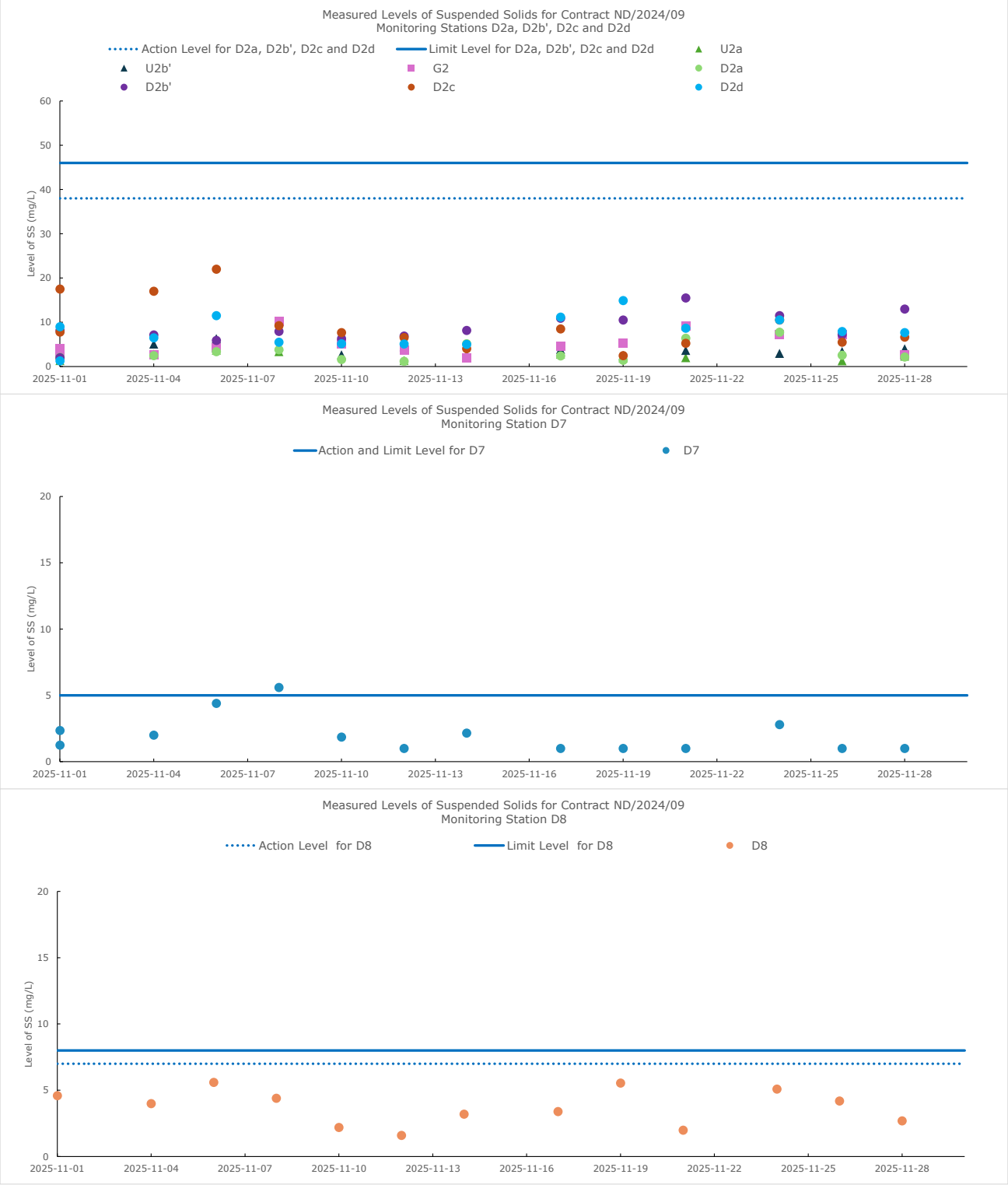
Annex F3 - Water Quality Monitoring Results

Graphical Plots of Monitoring Data (for Works Contract No. ND/2024/09)



Annex F3 - Water Quality Monitoring Results

Graphical Plots of Monitoring Data (for Works Contract No. ND/2024/09)



Annex F3 - Water Quality Monitoring Results

Graphical Plots of Monitoring Data (for Works Contract No. ND/2024/10)

