

Water Quality Monitoring Programme - Sg. Sarawak

Date : 08 March 2001

Parameters	Sampling Point									Class IIB Of IWQS
	W1	W2	W3	W4	W5	W6	W7	W8	W9	
Time	1135 hrs	1300 hrs	1220 hrs	1150 hrs	1130 hrs	0850 hrs	0910 hrs	1040 hrs	0935 hrs	
Weather Condition	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	
Water Condition	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	Very Slow Flowing	
<i>In-situ</i> pH Value	6.4	6.2	6.2	6.0	5.9	5.7	5.8	5.1	5.5	6-9
Temperature °C	27.3	27.5	27.7	27.0	27.7	27.2	27.4	27.1	27.0	Normal
Conductivity, ms	0.06	0.00	0.12	0.30	3.14	5.53	2.48	2.80	1.80	
Dissolved Oxygen, mg/l %	4.55	2.59	3.15	1.18	2.46	3.90	3.98	3.78	3.96	5-7
Turbidity, NTU	13.9	14.1	18.1	27.0	26.6	11.5	12.7	12.1	12.0	50
Salinity, ppt	0.0	0.0	0.1	0.1	0.1	2.8	1.2	1.4	0.5	
Physical/Chemical Analysis										
BOD, mg/l	0.4	0.4	7.5	0.6	0.4	0.4	0.2	0.2	0.8	3
COD, mg/l	8.2	6.6	27.6	23.6	7.2	6.2	7.5	7.2	11.6	25
TSS, mg/l	17	7	20	13	15	4	20	20	22	50
Ammoniacal Nitrogen, mg/l	0.07	0.11	1.67	0.20	0.18	0.05	0.12	0.09	0.06	0.3
Tot. Phosphorus, mg/l	<0.06	<0.06	<0.06	0.09	<0.06	0.12	<0.06	<0.06	0.07	0.2
Nitrate-N, mg/l	0.21	0.21	0.08	0.17	0.19	0.25	0.24	0.22	0.26	0.4
Bacteriological Analysis										
Total Coliform Counts, MPN/100ml	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	5,000
Faecal Coliform Counts, MPN/100ml	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	≥1.6 x 10 ⁴	400

Sampling Point : W1- Under Setok Bridge(01°34'442"N,110°24'432" E)

W3 - Near to Mullerby Inn Discharge Point (01°33'538"N,110°21'200"E)

W5 - Sg. Sekama (01°34'442"N,110°22'177"E)

W7 - Downstream Barrage(01°34'634"N,110°21'425" E)

W9 - Bako Causeway (01°34'791"N,110°24'472" E)

W2 - Confluence Of Sg. Bintangor (01°34'726"N,110°20'214" E)

W4 - Sg. Palungan (01°33'567"N,116°21'517" E)

W6 - Bintawa Causeway (01°34'442"N,110°24'049" E)

W8 - Upstream Barrage (01°33'480"N,110°24'561" E)