WATER YEAR 2024

SOUTHERN PENINSULA EAST COAST

Khlong Lumphura at Ban Lumphura, Trang (X.110)

Location	Lat. 07° - 46' - 15" N., Long. 99° - 32' - 14" E., Ban Lumphura, Amphoe Mueang, Trang
Drainage Area	256.64 sq. km.
Method of Sampling	Depth Integrating
Instrument Used	US DH-49
Period of Available Records	2021 - Cont' d
Actual Measurement	2021 - Cont' d
Using Rating Curve Water Year	2024
Number of observation	28
R - Square	0.7681
Remarks	Continued Sediment Station

$QS = 3.4316QW^{1.2139}$

Water Year - 2024

Suspended Sediment, in Tons per Day, Water Year April 1, 2024 to March 31, 2025

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	13.55	7.96	29.60	31.43	23.04	36.42	86.98	36.42	273.07	41.53	32.67	49.41	662.09
2	11.46	9.43	24.80	30.21	19.59	30.21	66.82	37.69	168.72	48.08	32.05	42.83	521.88
3	11.46	10.95	35.16	27.78	20.16	32.67	68.79	38.96	159.08	38.96	28.38	42.83	515.19
4	9.93	10.44	30.21	28.38	19.03	29.60	66.82	41.53	116.64	38.96	24.80	41.53	457.87
5	9.93	13.02	25.39	27.18	20.73	34.54	83.90	52.09	116.64	38.33	23.62	36.42	481.78
6	10.95	11.46	27.18	28.38	20.16	43.48	84.93	106.94	118.81	38.96	25.98	35.16	552.39
7	9.93	12.50	24.80	26.58	22.46	43.48	114.47	86.98	119.90	38.33	24.80	34.54	558.76
8	8.94	13.55	23.04	26.58	21.30	48.75	183.73	79.82	114.47	36.42	25.39	35.16	617.14
9	8.94	13.02	22.46	25.39	20.16	58.07	362.76	60.96	112.31	42.83	22.46	35.79	785.14
10	7.48	12.50	24.21	27.18	22.46	80.84	316.89	66.82	101.62	44.13	21.30	33.91	759.34
11	7.00	11.98	21.30	25.39	19.59	112.31	198.95	58.07	66.82	37.69	19.59	33.29	611.98
12	6.53	12.50	21.88	24.21	21.30	133.11	113.39	61.93	98.45	38.33	22.46	32.67	586.75
13	7.48	11.98	20.16	22.46	20.16	160.23	59.03	55.48	123.18	57.11	24.80	33.29	595.35
14	7.48	13.02	19.59	23.62	21.30	206.65	52.77	50.08	184.99	232.21	23.62	33.91	869.24
15	6.53	13.55	16.25	21.30	21.88	248.06	52.77	44.79	137.57	178.70	23.04	35.79	800.23
16	7.48	12.50	18.46	23.04	20.73	362.76	49.41	43.48	110.16	142.05	21.88	35.79	847.74
17	7.48	13.02	17.35	23.62	20.16	262.30	59.03	43.48	105.87	80.84	24.80	33.91	691.87
18	6.07	13.02	15.70	21.88	19.03	187.51	44.13	34.54	99.50	51.42	24.80	33.91	551.51
19	8.45	13.02	17.91	22.46	21.30	276.68	44.79	33.91	96.35	46.10	23.62	35.79	640.37
20	7.00	13.55	16.80	20.73	19.59	305.83	43.48	33.91	93.21	40.25	20.16	34.54	649.04
21	7.00	12.50	21.88	23.62	23.62	112.31	44.13	54.80	100.56	38.33	25.98	35.16	499.89
22	6.53	14.62	23.62	24.21	22.46	133.11	40.89	139.81	88.01	35.16	31.43	33.91	593.77
23	7.96	13.02	19.59	22.46	25.98	160.23	42.18	120.99	85.95	35.79	41.53	33.29	608.99
24	6.53	13.02	21.88	20.73	25.39	206.65	38.33	97.40	83.90	33.91	124.28	36.42	708.43
25	7.48	13.02	26.58	20.16	26.58	248.06	38.33	123.18	76.78	37.69	857.97	33.91	1509.74
26	7.00	14.08	21.30	21.88	32.67	362.76	38.96	285.73	69.78	36.42	142.05	35.16	1067.82
27	7.00	14.62	22.46	20.73	33.91	262.30	35.79	409.67	63.88	32.67	101.62	49.41	1054.06
28	7.48	13.55	25.98	21.30	113.39	187.51	36.42	296.67	60.00	33.91	76.78	129.79	1002.78
29	7.48	15.16	40.25	23.62	98.45	276.68	45.44	438.87	54.80	46.76		65.84	1113.35
30	7.48	22.46	38.33	23.62	52.77	305.83	49.41	441.81	49.41	37.69		33.91	1062.72
31		26.58		20.73	48.08		34.54		49.41	37.05		35.16	251.56
Total	246.04	415.58	714.09	750.86	917.42	4948.94	2598.27	3476.83	3299.83	1716.62	1891.87	1252.45	22228.81 Ton
Mean	8.20	13.41	23.80	24.22	29.59	164.96	83.82	115.89	106.45	55.37	67.57	40.40	61.14
Max	13.55	26.58	40.25	31.43	113.39	362.76	362.76	441.81	273.07	232.21	857.97	129.79	857.97
Min	6.07	7.96	15.70	20.16	19.03	29.60	34.54	33.91	49.41	32.67	19.59	32.67	6.07

Stop - Program terminated.