

WATER YEAR 2023
SOUTHERN PENINSULA EAST COAST

Khlong Lumlone at Ban Udai Tai, Satun (X.148)

Location Lat 07° - 46' - 15" N., Long. 99° - 32' - 14" E., Ban Udai Tai, Amphoe Khuan Kalong Satun
 Drainage Area 157.32 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 2023
 Number of observation 24
 R - Square 0.9237
 Remarks Continued Sediment Station

QS =4.7698 QW1.2083

Water Year - 2023

Suspended Sediment, in Tons per Day, Water Year April 1, 2023 to March 31, 2024

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|----------|
| 1 | 4.77 | 4.77 | 2.83 | 985.18 | 301.17 | 21.67 | 118.91 | 125.97 | 238.79 | 92.77 | 13.74 | 4.77 | 1915.35 |
| 2 | 4.77 | 4.20 | 2.83 | 259.31 | 312.99 | 589.90 | 95.47 | 95.47 | 189.29 | 88.74 | 13.74 | 4.48 | 1661.19 |
| 3 | 4.77 | 4.20 | 2.83 | 86.08 | 241.06 | 245.60 | 95.47 | 72.98 | 154.87 | 80.79 | 13.05 | 4.48 | 1006.18 |
| 4 | 4.77 | 3.92 | 2.83 | 37.42 | 184.74 | 159.29 | 102.27 | 144.64 | 134.53 | 74.27 | 13.05 | 4.48 | 866.22 |
| 5 | 4.77 | 3.92 | 2.83 | 23.94 | 150.47 | 181.71 | 144.64 | 243.33 | 109.15 | 66.03 | 11.69 | 4.20 | 946.68 |
| 6 | 4.77 | 3.92 | 3.92 | 17.99 | 116.11 | 317.74 | 289.44 | 150.47 | 105.01 | 58.84 | 11.69 | 4.20 | 1084.10 |
| 7 | 10.36 | 3.92 | 7.79 | 14.43 | 70.40 | 207.93 | 245.60 | 99.54 | 99.54 | 56.19 | 11.02 | 4.20 | 830.91 |
| 8 | 5.35 | 3.92 | 15.84 | 13.74 | 128.81 | 159.29 | 150.47 | 70.40 | 95.47 | 52.68 | 11.02 | 4.20 | 711.20 |
| 9 | 4.77 | 3.92 | 7.79 | 13.05 | 137.41 | 133.10 | 118.91 | 55.31 | 90.08 | 50.08 | 10.36 | 3.92 | 628.69 |
| 10 | 4.77 | 3.92 | 4.77 | 10.36 | 79.48 | 172.68 | 98.18 | 78.17 | 84.75 | 49.21 | 10.36 | 3.92 | 600.58 |
| 11 | 4.48 | 3.92 | 14.43 | 96.82 | 55.31 | 411.40 | 79.48 | 71.69 | 80.79 | 45.79 | 10.36 | 3.92 | 878.40 |
| 12 | 4.48 | 3.64 | 12.37 | 64.22 | 39.90 | 312.99 | 92.77 | 60.63 | 79.48 | 43.25 | 9.70 | 3.64 | 727.07 |
| 13 | 4.77 | 3.64 | 10.36 | 107.77 | 28.57 | 157.82 | 111.92 | 86.08 | 74.27 | 39.90 | 9.70 | 3.64 | 638.45 |
| 14 | 4.48 | 3.64 | 27.79 | 83.43 | 95.47 | 116.11 | 99.54 | 82.11 | 72.98 | 37.42 | 9.70 | 3.37 | 636.04 |
| 15 | 4.48 | 3.64 | 16.55 | 99.54 | 270.83 | 55.31 | 74.27 | 63.32 | 70.40 | 34.97 | 9.70 | 3.37 | 706.38 |
| 16 | 4.48 | 3.64 | 10.36 | 90.08 | 400.25 | 44.94 | 322.50 | 60.63 | 70.40 | 32.54 | 9.06 | 3.10 | 1051.98 |
| 17 | 4.48 | 3.37 | 6.55 | 63.32 | 273.14 | 40.73 | 298.82 | 99.54 | 70.40 | 30.15 | 9.06 | 3.10 | 902.66 |
| 18 | 4.48 | 3.37 | 3.92 | 38.24 | 151.94 | 33.35 | 207.93 | 99.54 | 69.12 | 28.57 | 9.06 | 2.83 | 652.35 |
| 19 | 4.48 | 3.37 | 3.64 | 117.51 | 109.15 | 61.52 | 153.40 | 94.11 | 69.12 | 25.47 | 9.06 | 2.83 | 653.67 |
| 20 | 4.48 | 3.37 | 3.37 | 216.35 | 192.34 | 118.91 | 88.74 | 87.41 | 67.84 | 23.18 | 9.06 | 2.83 | 817.89 |
| 21 | 4.77 | 3.37 | 3.37 | 83.43 | 165.22 | 109.15 | 65.12 | 72.98 | 67.84 | 21.67 | 9.06 | 2.57 | 608.55 |
| 22 | 7.16 | 3.37 | 3.37 | 65.12 | 137.41 | 135.97 | 61.52 | 66.03 | 67.84 | 20.18 | 8.42 | 2.57 | 578.96 |
| 23 | 7.79 | 3.37 | 3.10 | 50.94 | 111.92 | 223.04 | 102.27 | 83.43 | 66.93 | 19.45 | 7.79 | 2.57 | 682.60 |
| 24 | 7.79 | 3.37 | 3.10 | 40.73 | 88.74 | 396.54 | 95.47 | 234.27 | 92.77 | 19.45 | 7.16 | 2.57 | 991.96 |
| 25 | 5.35 | 3.37 | 3.10 | 26.24 | 67.84 | 535.47 | 94.11 | 530.92 | 544.59 | 19.45 | 6.55 | 2.32 | 1839.31 |
| 26 | 4.48 | 3.10 | 3.10 | 14.43 | 56.19 | 746.56 | 91.42 | 464.16 | 147.55 | 17.27 | 5.95 | 2.32 | 1556.52 |
| 27 | 4.48 | 3.10 | 2.83 | 9.06 | 50.08 | 959.23 | 82.11 | 280.11 | 111.92 | 16.55 | 5.35 | 2.32 | 1527.14 |
| 28 | 4.20 | 3.10 | 2.83 | 7.16 | 48.35 | 259.31 | 70.40 | 205.83 | 95.47 | 15.84 | 4.77 | 2.32 | 719.58 |
| 29 | 4.20 | 3.10 | 44.09 | 6.55 | 41.57 | 177.19 | 70.40 | 168.20 | 102.27 | 15.13 | 4.77 | 2.06 | 639.53 |
| 30 | 4.20 | 3.10 | 31.74 | 6.55 | 40.73 | 144.64 | 130.24 | 400.25 | 117.51 | 14.43 | | 2.06 | 895.45 |
| 31 | | 3.10 | | 127.39 | 35.78 | | 143.19 | | 98.18 | 14.43 | | 2.06 | 424.13 |
| Total | 153.41 | 111.66 | 264.25 | 2876.36 | 4183.37 | 7229.09 | 3994.98 | 4447.49 | 3539.18 | 1204.69 | 273.98 | 101.25 | 28379.71 |
| Mean | 5.11 | 3.60 | 8.81 | 92.79 | 134.95 | 240.97 | 128.87 | 148.25 | 114.17 | 38.86 | 9.45 | 3.27 | 929.09 |
| Max | 10.36 | 4.77 | 44.09 | 985.18 | 400.25 | 959.23 | 322.50 | 530.92 | 544.59 | 92.77 | 13.74 | 4.77 | 985.18 |
| Min | 4.20 | 3.10 | 2.83 | 6.55 | 28.57 | 21.67 | 61.52 | 55.31 | 66.93 | 14.43 | 4.77 | 2.06 | 2.06 |

Stop - Program terminated.