

WATER YEAR 2023
SOUTHERN PENINSULA EAST COAST

Khlong Sao Thong at Ban Sao Thong, Nakhon Si Thammarat (X.167)

Location Lat 08° - 16' - 44" N. , Long. 99° - 54' - 30" E. , Amphoe Ron Phibun, Nakhon Si Thammarat
 Drainage Area 278.98 sq. km.
 Method of Sampling Depth Integrating
 Instrument Used US DH - 48
 Period of Available Records 1998 - Cont'd
 Actual Measurement 1998 - 2009 , 2012 - Cont'd
 Using Rating Curve Water Year 2023
 Number of observation 29
 R - Square 0.8469
 Remarks Continued Sediment Station

QS =2.5909 QW^{1.2857}

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 | 17.41 | 13.93 | 13.11 | 27.73 | 24.83 | 15.65 | 22.01 | 133.03 | 655.16 | 112.63 | 57.73 | 13.93 | 1107.15 |
| 2 | 16.55 | 21.05 | 13.93 | 74.63 | 30.35 | 55.88 | 20.15 | 557.77 | 429.52 | 55.88 | 55.88 | 13.93 | 1345.51 |
| 3 | 15.65 | 28.75 | 11.47 | 22.92 | 22.92 | 41.82 | 19.21 | 110.17 | 626.25 | 25.77 | 57.73 | 13.11 | 995.77 |
| 4 | 22.01 | 21.05 | 13.11 | 15.65 | 18.28 | 36.76 | 17.41 | 92.49 | 509.35 | 13.93 | 52.28 | 12.26 | 824.58 |
| 5 | 19.21 | 27.73 | 11.47 | 12.26 | 15.65 | 27.73 | 16.55 | 80.51 | 258.72 | 35.15 | 41.82 | 12.26 | 559.05 |
| 6 | 20.15 | 14.81 | 17.41 | 10.64 | 13.93 | 22.01 | 15.65 | 66.98 | 192.72 | 26.77 | 35.15 | 11.47 | 447.68 |
| 7 | 19.21 | 16.55 | 17.41 | 9.74 | 12.26 | 21.05 | 16.55 | 57.73 | 239.43 | 15.65 | 47.02 | 11.47 | 484.05 |
| 8 | 17.41 | 22.92 | 27.73 | 9.29 | 11.47 | 18.28 | 18.28 | 61.41 | 177.67 | 84.46 | 40.10 | 10.64 | 499.65 |
| 9 | 15.65 | 33.49 | 18.28 | 9.29 | 17.41 | 15.65 | 14.81 | 52.28 | 154.17 | 25.77 | 35.15 | 10.64 | 402.58 |
| 10 | 14.81 | 63.23 | 13.93 | 9.74 | 11.47 | 16.55 | 14.81 | 138.25 | 391.03 | 11.47 | 30.35 | 13.93 | 729.56 |
| 11 | 13.93 | 23.84 | 15.65 | 8.85 | 22.92 | 33.49 | 19.21 | 84.46 | 127.86 | 6.32 | 31.91 | 12.26 | 400.71 |
| 12 | 13.93 | 15.65 | 13.93 | 8.42 | 15.65 | 19.21 | 24.83 | 122.74 | 47.02 | 13.93 | 30.35 | 11.47 | 337.11 |
| 13 | 13.93 | 12.26 | 12.26 | 7.99 | 13.11 | 15.65 | 90.43 | 223.61 | 41.82 | 68.91 | 28.75 | 10.64 | 539.36 |
| 14 | 13.93 | 10.64 | 11.47 | 7.56 | 12.26 | 13.93 | 112.63 | 360.82 | 159.97 | 63.23 | 24.83 | 10.18 | 801.46 |
| 15 | 15.65 | 10.18 | 10.18 | 7.14 | 17.41 | 15.65 | 55.88 | 402.54 | 353.36 | 59.53 | 25.77 | 10.18 | 983.48 |
| 16 | 20.15 | 11.47 | 9.74 | 9.74 | 18.28 | 14.81 | 107.64 | 592.63 | 186.66 | 183.65 | 22.92 | 11.47 | 1189.15 |
| 17 | 27.73 | 14.81 | 9.29 | 9.74 | 16.55 | 16.55 | 57.73 | 763.53 | 105.21 | 102.71 | 22.01 | 11.47 | 1157.31 |
| 18 | 17.41 | 10.64 | 9.74 | 9.29 | 13.93 | 15.65 | 78.51 | 1129.40 | 130.48 | 78.51 | 21.05 | 11.47 | 1526.07 |
| 19 | 13.93 | 9.74 | 9.29 | 17.41 | 13.11 | 20.15 | 74.63 | 1164.23 | 177.67 | 233.07 | 21.05 | 10.64 | 1764.90 |
| 20 | 13.11 | 9.29 | 8.85 | 54.11 | 28.75 | 151.53 | 45.25 | 425.68 | 165.82 | 157.06 | 20.15 | 10.64 | 1090.25 |
| 21 | 12.26 | 8.85 | 8.42 | 31.91 | 22.92 | 59.53 | 107.64 | 140.92 | 125.33 | 100.68 | 20.15 | 10.18 | 648.80 |
| 22 | 16.55 | 9.29 | 7.99 | 61.41 | 16.55 | 66.98 | 72.73 | 66.98 | 135.68 | 82.45 | 18.28 | 10.18 | 565.07 |
| 23 | 21.05 | 8.85 | 7.99 | 40.10 | 13.11 | 36.76 | 70.78 | 86.42 | 148.82 | 82.45 | 17.41 | 10.18 | 543.91 |
| 24 | 30.35 | 8.42 | 8.42 | 25.77 | 10.64 | 27.73 | 45.25 | 50.54 | 117.66 | 76.60 | 17.41 | 9.74 | 428.50 |
| 25 | 19.21 | 8.42 | 9.29 | 22.01 | 21.05 | 23.84 | 47.02 | 30.35 | 211.13 | 110.17 | 15.65 | 9.74 | 527.86 |
| 26 | 14.81 | 10.64 | 12.26 | 26.77 | 19.21 | 47.02 | 48.74 | 703.96 | 177.67 | 325.31 | 15.65 | 9.74 | 1411.77 |
| 27 | 13.11 | 11.47 | 9.29 | 21.05 | 135.68 | 74.63 | 105.21 | 1157.11 | 140.92 | 148.82 | 15.65 | 9.29 | 1842.22 |
| 28 | 12.26 | 9.74 | 8.42 | 21.05 | 41.82 | 45.25 | 52.28 | 1185.62 | 115.17 | 102.71 | 14.81 | 9.29 | 1618.42 |
| 29 | 11.47 | 9.29 | 7.99 | 19.21 | 23.84 | 30.35 | 41.82 | 621.52 | 117.66 | 86.42 | 14.78 | 8.85 | 993.20 |
| 30 | 11.47 | 10.64 | 8.85 | 16.55 | 18.28 | 25.77 | 36.76 | 522.31 | 607.15 | 74.63 | | 9.29 | 1341.69 |
| 31 | | 12.26 | | 22.01 | 15.65 | | 84.46 | | 364.62 | 65.14 | | 13.93 | 578.07 |
| Total | 504.27 | 499.88 | 357.13 | 649.93 | 689.27 | 1025.84 | 1554.86 | 11186.01 | 7391.68 | 2629.79 | 851.78 | 344.46 | 27684.89 |
| Mean | 16.81 | 16.13 | 11.90 | 20.97 | 22.23 | 34.19 | 50.16 | 372.87 | 238.44 | 84.83 | 29.37 | 11.11 | 75.75 |
| Max | 30.35 | 63.23 | 27.73 | 74.63 | 135.68 | 151.53 | 112.63 | 1185.62 | 655.16 | 325.31 | 57.73 | 13.93 | 1185.62 |
| Min | 11.47 | 8.42 | 7.99 | 7.14 | 10.64 | 13.93 | 14.81 | 30.35 | 41.82 | 6.32 | 14.78 | 8.85 | 6.32 |

Stop - Program terminated.