

WATER YEAR : 2011**SOUTHERN PENINSULA EAST COAST****Khlong Chumphon at Ban Wang Phai , Chumphon (X.53A)**

Lat 10 - 30 - 20 N Long 99 - 07 - 15 E

Location : on left bank about 9.50 kilometers downstream from X.53 station.

| | | | | | | |
|--------------------------------------|----------------------------|------------------|---------------|---------------|-----------------|-----------------|
| | Ban | Wang Phai | Amploe | Mueang | Changwat | Chumphon |
| Drainage Area | 296 | sq.km. | | | | |
| Method of sampling | Depth Integrating | | | | | |
| Instrument Used | US.D-49 | | | | | |
| Period of Available Records | 1996-Cont'd | | | | | |
| Actual Measurement | 1996-Cont'd | | | | | |
| Using Rating Curve Water Year | 2011 | | | | | |
| Number of observation | 23 | | | | | |
| R-Square | 0.8244 | | | | | |
| Remarks | Continued Sediment Station | | | | | |

$$QS = 2.3616 QW^{1.44130}$$

Suspended Sediment , in Tons per Day. Water Year 1 April 2011 to 31 March 2012

| Date | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual | |
|--------------|---------|---------|---------|---------|---------|----------|---------|---------|--------|---------|---------|--------|----------|------------|
| 1 | 237.10 | 27.70 | 30.30 | 83.10 | 470.80 | 254.90 | 425.10 | 50.10 | 19.50 | 8.30 | 221.60 | 15.00 | | |
| 2 | 138.00 | 24.30 | 29.50 | 175.40 | 264.90 | 177.20 | 564.70 | 39.70 | 18.70 | 21.80 | 338.50 | 15.00 | | |
| 3 | 105.40 | 34.00 | 27.70 | 90.70 | 166.50 | 161.30 | 1237.90 | 36.80 | 18.70 | 1351.00 | 161.30 | 15.00 | | |
| 4 | 73.20 | 22.70 | 26.80 | 56.80 | 120.60 | 179.00 | 948.70 | 38.70 | 20.20 | 1030.00 | 101.30 | 17.90 | | |
| 5 | 199.00 | 36.80 | 26.00 | 43.80 | 92.10 | 116.50 | 839.60 | 31.20 | 20.20 | 511.00 | 54.50 | 18.70 | | |
| 6 | 122.10 | 35.80 | 26.00 | 35.80 | 74.40 | 94.70 | 470.80 | 31.20 | 19.50 | 74.40 | 37.70 | 16.40 | | |
| 7 | 210.20 | 35.80 | 26.80 | 31.20 | 61.20 | 97.30 | 332.00 | 33.10 | 17.90 | 49.00 | 30.30 | 15.70 | | |
| 8 | 93.30 | 76.80 | 29.50 | 26.80 | 49.00 | 73.20 | 227.40 | 27.70 | 17.20 | 34.90 | 26.80 | 15.70 | | |
| 9 | 64.80 | 106.80 | 25.10 | 24.30 | 48.00 | 81.80 | 180.80 | 26.80 | 18.70 | 28.60 | 25.10 | 18.70 | | |
| 10 | 52.30 | 606.60 | 34.90 | 24.30 | 43.80 | 145.90 | 135.10 | 27.70 | 20.20 | 24.30 | 23.50 | 17.20 | | |
| 11 | 46.90 | 635.30 | 46.90 | 25.10 | 74.40 | 334.10 | 127.90 | 26.00 | 17.90 | 21.80 | 22.70 | 16.40 | | |
| 12 | 41.60 | 343.00 | 84.30 | 24.30 | 208.30 | 689.00 | 139.60 | 30.30 | 17.20 | 20.20 | 21.80 | 15.70 | | |
| 13 | 38.70 | 248.90 | 55.60 | 24.30 | 81.80 | 597.20 | 92.10 | 168.30 | 16.40 | 19.50 | 21.00 | 15.70 | | |
| 14 | 36.80 | 127.90 | 62.40 | 27.70 | 53.40 | 332.00 | 80.60 | 97.30 | 15.70 | 17.90 | 20.20 | 15.00 | | |
| 15 | 34.90 | 90.70 | 45.90 | 31.20 | 41.60 | 202.70 | 76.80 | 80.60 | 15.00 | 17.90 | 19.50 | 14.20 | | |
| 16 | 34.00 | 69.50 | 70.70 | 54.50 | 36.80 | 159.60 | 59.00 | 115.00 | 15.00 | 17.90 | 19.50 | 13.50 | | |
| 17 | 33.10 | 98.60 | 69.50 | 67.10 | 34.00 | 113.70 | 52.30 | 57.90 | 14.20 | 17.20 | 18.70 | 13.50 | | |
| 18 | 31.20 | 113.70 | 93.30 | 37.70 | 31.20 | 100.00 | 45.90 | 40.60 | 14.20 | 16.40 | 18.70 | 14.20 | | |
| 19 | 41.60 | 154.40 | 223.50 | 29.50 | 27.70 | 252.90 | 43.80 | 33.10 | 13.50 | 16.40 | 22.70 | 13.50 | | |
| 20 | 40.60 | 180.80 | 214.00 | 25.10 | 34.90 | 473.30 | 55.60 | 29.50 | 13.50 | 16.40 | 21.00 | 12.90 | | |
| 21 | 33.10 | 105.40 | 123.50 | 23.50 | 34.00 | 435.00 | 80.60 | 26.80 | 13.50 | 16.40 | 19.50 | 12.20 | | |
| 22 | 30.30 | 69.50 | 110.90 | 26.00 | 30.30 | 622.50 | 55.60 | 26.00 | 13.50 | 15.70 | 18.70 | 10.80 | | |
| 23 | 31.20 | 49.00 | 79.30 | 53.40 | 28.60 | 372.90 | 56.80 | 24.30 | 12.90 | 14.20 | 17.90 | 10.20 | | |
| 24 | 33.10 | 39.70 | 63.60 | 166.50 | 30.30 | 713.60 | 49.00 | 34.90 | 12.90 | 13.50 | 17.20 | 9.60 | | |
| 25 | 33.10 | 45.90 | 49.00 | 494.70 | 27.70 | 538.60 | 67.10 | 44.80 | 12.90 | 13.50 | 16.40 | 8.90 | | |
| 26 | 32.10 | 65.90 | 43.80 | 375.30 | 102.70 | 417.80 | 120.60 | 26.00 | 12.90 | 15.70 | 16.40 | 10.20 | | |
| 27 | 24.30 | 41.60 | 44.80 | 295.80 | 141.00 | 380.00 | 96.00 | 23.50 | 12.90 | 17.20 | 15.70 | 12.20 | | |
| 28 | 20.20 | 34.00 | 36.80 | 332.00 | 815.60 | 966.30 | 69.50 | 21.80 | 11.50 | 16.40 | 15.70 | 10.20 | | |
| 29 | 19.50 | 33.10 | 40.60 | 312.60 | 1956.10 | 645.00 | 57.90 | 21.00 | 10.80 | 17.90 | 15.70 | 9.60 | | |
| 30 | 22.70 | 32.10 | 61.20 | 465.60 | 1020.80 | 505.60 | 59.00 | 20.20 | 10.80 | 18.70 | | 9.60 | | |
| 31 | | 29.50 | | 710.00 | 440.10 | | 57.90 | | 10.80 | 123.50 | | 9.60 | | |
| Total | 1954.40 | 3615.80 | 1902.20 | 4194.10 | 6642.60 | 10233.60 | 6905.70 | 1290.90 | 478.80 | 3597.60 | 1379.60 | 423.00 | 42618.30 | Ton |
| Mean | 65.10 | 116.60 | 63.40 | 135.30 | 214.30 | 341.10 | 222.80 | 43.00 | 15.40 | 116.10 | 47.60 | 13.60 | | |
| Max | 237.10 | 635.30 | 223.50 | 710.00 | 1956.10 | 966.30 | 1237.90 | 168.30 | 20.20 | 1351.00 | 338.50 | 18.70 | 1956.10 | |
| Min | 19.50 | 22.70 | 25.10 | 23.50 | 27.70 | 73.20 | 43.80 | 20.20 | 10.80 | 8.30 | 15.70 | 8.90 | 8.30 | |