

WATER YEAR : 2011**PHETCHABURI RIVER BASIN****Phetchaburi River at Ban Song Phi Nong , Phetchaburi (B.3A)**

Lat 12 - 51 - 47 N Long 99 - 40 - 42 E

Location : on left bank at Ban Song Phi Nong.

| | | | | | | |
|--------------------------------------|----------------------------|---------------|---------------|---------------|-----------------|-------------|
| | Ban | Song Phi Nong | Amphoe | Kaeng Krachan | Changwat | Phetchaburi |
| Drainage Area | 2,220 | sq.km. | | | | |
| Method of sampling | Depth Integrating | | | | | |
| Instrument Used | US.D-49 | | | | | |
| Period of Available Records | 1997-Cont'd | | | | | |
| Actual Measurement | 1997-Cont'd | | | | | |
| Using Rating Curve Water Year | 2011 | | | | | |
| Number of observation | 24 | | | | | |
| R-Square | 0.9172 | | | | | |
| Remarks | Continued Sediment Station | | | | | |

$$QS = 0.5123 QW^{1.33910}$$

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 | 54.00 | 9.70 | 6.20 | 30.90 | 138.60 | 30.20 | 157.90 | 54.90 | 36.60 | 64.30 | 89.30 | 96.50 | | |
| 2 | 81.20 | 14.40 | 5.80 | 24.30 | 209.70 | 30.20 | 74.60 | 54.90 | 29.50 | 67.40 | 90.50 | 96.50 | | |
| 3 | 119.10 | 36.60 | 2.70 | 24.90 | 206.20 | 28.20 | 73.50 | 54.90 | 23.70 | 84.60 | 90.50 | 96.50 | | |
| 4 | 24.90 | 42.80 | 2.50 | 24.30 | 225.40 | 27.50 | 72.50 | 54.90 | 23.00 | 72.50 | 89.30 | 96.50 | | |
| 5 | 14.40 | 8.00 | 3.00 | 24.90 | 246.80 | 72.50 | 73.50 | 55.80 | 23.00 | 52.20 | 89.30 | 90.50 | | |
| 6 | 12.40 | 5.80 | 2.20 | 24.90 | 243.20 | 162.70 | 74.60 | 55.80 | 23.00 | 53.10 | 90.50 | 80.10 | | |
| 7 | 12.40 | 5.40 | 2.50 | 24.90 | 180.80 | 56.70 | 76.80 | 63.30 | 21.80 | 53.10 | 90.50 | 79.00 | | |
| 8 | 12.40 | 5.40 | 4.80 | 25.60 | 85.70 | 54.90 | 80.10 | 137.20 | 21.80 | 53.10 | 90.50 | 80.10 | | |
| 9 | 83.40 | 10.60 | 5.80 | 27.50 | 83.40 | 51.30 | 74.60 | 140.00 | 21.20 | 53.10 | 90.50 | 72.50 | | |
| 10 | 116.40 | 14.90 | 5.80 | 26.20 | 82.30 | 52.20 | 74.60 | 88.10 | 21.80 | 54.90 | 91.70 | 79.00 | | |
| 11 | 86.90 | 12.90 | 5.40 | 20.50 | 82.30 | 53.10 | 73.50 | 59.50 | 16.50 | 56.70 | 91.70 | 82.30 | | |
| 12 | 63.30 | 12.90 | 6.90 | 27.50 | 73.50 | 52.20 | 73.50 | 59.50 | 12.90 | 60.50 | 91.70 | 89.30 | | |
| 13 | 64.30 | 16.50 | 6.50 | 32.30 | 73.50 | 54.00 | 54.00 | 62.40 | 12.90 | 60.50 | 91.70 | 88.10 | | |
| 14 | 63.30 | 21.20 | 6.50 | 33.00 | 72.50 | 52.20 | 73.50 | 84.60 | 17.00 | 61.40 | 91.70 | 88.10 | | |
| 15 | 34.40 | 20.50 | 5.80 | 56.70 | 73.50 | 53.10 | 41.20 | 85.70 | 23.00 | 61.40 | 91.70 | 88.10 | | |
| 16 | 23.00 | 20.50 | 7.30 | 59.50 | 69.40 | 53.10 | 8.40 | 86.90 | 20.50 | 62.40 | 90.50 | 90.50 | | |
| 17 | 7.60 | 13.40 | 1.50 | 58.60 | 66.30 | 60.50 | 7.30 | 86.90 | 20.50 | 62.40 | 69.40 | 92.90 | | |
| 18 | 5.80 | 11.90 | 7.60 | 56.70 | 59.50 | 68.40 | 6.50 | 91.70 | 19.90 | 62.40 | 69.40 | 94.10 | | |
| 19 | 5.80 | 6.90 | 5.10 | 58.60 | 58.60 | 68.40 | 5.10 | 74.60 | 19.90 | 63.30 | 70.40 | 89.30 | | |
| 20 | 5.80 | 6.20 | 1.10 | 50.40 | 58.60 | 81.20 | 5.10 | 70.40 | 19.30 | 64.30 | 70.40 | 81.20 | | |
| 21 | 5.40 | 5.80 | 3.80 | 37.30 | 57.70 | 79.00 | 5.40 | 61.40 | 19.90 | 64.30 | 72.50 | 82.30 | | |
| 22 | 5.40 | 5.40 | 13.90 | 30.20 | 59.50 | 83.40 | 5.40 | 59.50 | 23.70 | 59.50 | 77.90 | 81.20 | | |
| 23 | 11.00 | 5.40 | 16.00 | 30.20 | 61.40 | 85.70 | 5.40 | 58.60 | 19.30 | 53.10 | 77.90 | 82.30 | | |
| 24 | 11.50 | 5.40 | 28.90 | 29.50 | 61.40 | 112.30 | 5.40 | 60.50 | 21.20 | 54.00 | 79.00 | 73.50 | | |
| 25 | 12.40 | 5.40 | 41.20 | 29.50 | 62.40 | 84.60 | 5.10 | 60.50 | 19.90 | 54.00 | 94.10 | 82.30 | | |
| 26 | 43.60 | 6.50 | 51.30 | 29.50 | 65.30 | 134.30 | 11.00 | 58.60 | 17.00 | 55.80 | 95.30 | 82.30 | | |
| 27 | 2.20 | 6.90 | 52.20 | 32.30 | 65.30 | 260.00 | 48.70 | 54.00 | 18.10 | 58.60 | 96.50 | 82.30 | | |
| 28 | 4.40 | 5.80 | 50.40 | 69.40 | 57.70 | 254.00 | 54.90 | 50.40 | 17.00 | 58.60 | 96.50 | 84.60 | | |
| 29 | 5.40 | 5.40 | 49.60 | 67.40 | 47.00 | 248.60 | 54.90 | 36.60 | 16.50 | 58.60 | 96.50 | 83.40 | | |
| 30 | 11.50 | 5.80 | 48.70 | 70.40 | 49.60 | 239.60 | 54.90 | 36.60 | 19.30 | 59.50 | | 83.40 | | |
| 31 | | 6.90 | | 69.40 | 46.10 | | 54.90 | | 28.20 | 66.30 | | 83.40 | | |
| Total | 1003.60 | 361.20 | 451.00 | 1207.30 | 3023.20 | 2744.10 | 1486.80 | 2058.70 | 647.90 | 1865.90 | 2517.40 | 2652.10 | 20019.20 | Ton |
| Mean | 33.50 | 11.70 | 15.00 | 38.90 | 97.50 | 91.50 | 48.00 | 68.60 | 20.90 | 60.20 | 86.80 | 85.60 | | |
| Max | 119.10 | 42.80 | 52.20 | 70.40 | 246.80 | 260.00 | 157.90 | 140.00 | 36.60 | 84.60 | 96.50 | 96.50 | 260.00 | |
| Min | 2.20 | 5.40 | 1.10 | 20.50 | 46.10 | 27.50 | 5.10 | 36.60 | 12.90 | 52.20 | 69.40 | 72.50 | 1.10 | |