

WATER YEAR : 2011**MUN RIVER BASIN****Mun River at Ban Phong Sawai, Surin (M.4)**

Lat 15 - 19 - 30 N Long 103 - 40 - 59 E

Location : on left bank at the bridge on highway.

| | | | |
|--------------------------------------|----------------------------|-----------------------|-----------------------|
| | Ban Phong Sawai | Amphoe Tha Tum | Changwat Surin |
| Drainage Area | 34,654 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 | 20 | | |
| R-Square | 0.8490 | | |
| Remarks | Continued Sediment Station | | |

$$QS = 13.4290 QW^{0.81020}$$

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 | 82.50 | 66.50 | 336.50 | 231.00 | 443.80 | 1580.80 | 3522.40 | 4989.00 | 1495.80 | 181.70 | 119.20 | 52.70 | | |
| 2 | 82.50 | 70.90 | 318.50 | 181.70 | 457.20 | 1656.20 | 3694.10 | 4737.20 | 1398.40 | 179.30 | 119.20 | 49.50 | | |
| 3 | 81.10 | 69.50 | 364.90 | 152.10 | 470.50 | 1737.10 | 3826.30 | 4545.00 | 1305.30 | 176.30 | 115.20 | 46.20 | | |
| 4 | 81.10 | 69.50 | 413.40 | 137.10 | 493.50 | 1800.20 | 3976.10 | 4381.60 | 1206.10 | 176.30 | 111.30 | 41.30 | | |
| 5 | 81.10 | 69.50 | 371.90 | 126.90 | 526.00 | 1845.00 | 4143.10 | 4180.00 | 1131.20 | 176.30 | 111.30 | 34.50 | | |
| 6 | 81.10 | 66.50 | 392.80 | 119.20 | 535.70 | 1885.00 | 4308.60 | 3994.80 | 1057.50 | 170.90 | 119.20 | 29.10 | | |
| 7 | 81.10 | 63.50 | 399.70 | 111.30 | 503.30 | 1902.80 | 4454.40 | 3807.50 | 990.50 | 170.90 | 132.10 | 25.40 | | |
| 8 | 79.60 | 63.50 | 378.90 | 101.20 | 463.90 | 1898.40 | 4545.00 | 3637.00 | 922.40 | 168.50 | 137.10 | 25.40 | | |
| 9 | 79.60 | 63.50 | 278.00 | 90.90 | 440.50 | 1898.40 | 4601.90 | 3464.70 | 853.10 | 168.50 | 125.00 | 25.40 | | |
| 10 | 78.20 | 65.00 | 311.20 | 85.30 | 430.40 | 1885.00 | 4640.60 | 3320.30 | 776.60 | 160.10 | 121.10 | 23.50 | | |
| 11 | 76.80 | 65.00 | 392.80 | 86.70 | 420.20 | 1853.90 | 4640.60 | 3198.60 | 668.80 | 157.60 | 119.20 | 15.60 | | |
| 12 | 76.80 | 63.50 | 473.80 | 86.70 | 410.00 | 1871.70 | 4640.60 | 3089.50 | 577.50 | 155.20 | 117.20 | 11.20 | | |
| 13 | 75.30 | 63.50 | 535.70 | 86.70 | 403.10 | 1926.30 | 4737.20 | 2993.30 | 496.80 | 147.20 | 109.30 | 8.90 | | |
| 14 | 75.30 | 63.50 | 584.70 | 85.30 | 410.00 | 1997.40 | 4826.50 | 2894.80 | 430.40 | 147.20 | 107.30 | 8.90 | | |
| 15 | 75.30 | 63.50 | 584.70 | 86.70 | 413.40 | 2072.50 | 4989.00 | 2804.80 | 347.20 | 147.20 | 107.30 | 8.90 | | |
| 16 | 75.30 | 70.90 | 548.50 | 90.90 | 392.80 | 2133.20 | 5058.20 | 2733.00 | 292.90 | 147.20 | 105.30 | 8.90 | | |
| 17 | 73.90 | 90.90 | 542.10 | 105.30 | 396.20 | 2179.50 | 5219.00 | 2640.60 | 278.00 | 147.20 | 113.30 | 8.90 | | |
| 18 | 73.90 | 113.30 | 570.70 | 119.20 | 463.90 | 2225.60 | 5287.50 | 2544.20 | 270.50 | 147.20 | 121.10 | 8.90 | | |
| 19 | 73.90 | 126.90 | 570.70 | 132.10 | 649.10 | 2258.80 | 5333.10 | 2466.80 | 256.40 | 142.20 | 119.20 | 8.90 | | |
| 20 | 73.90 | 163.10 | 577.50 | 160.10 | 942.50 | 2305.20 | 5378.60 | 2402.50 | 241.60 | 139.70 | 111.30 | 13.40 | | |
| 21 | 73.90 | 238.20 | 573.90 | 200.30 | 1158.10 | 2344.20 | 5378.60 | 2324.70 | 223.20 | 139.70 | 99.20 | 11.20 | | |
| 22 | 72.40 | 270.50 | 535.70 | 241.60 | 1274.00 | 2434.70 | 5491.90 | 2247.30 | 223.20 | 142.20 | 86.70 | 6.40 | | |
| 23 | 72.40 | 223.20 | 460.50 | 289.20 | 1314.30 | 2518.30 | 5627.10 | 2179.50 | 223.20 | 142.20 | 81.10 | 3.60 | | |
| 24 | 69.50 | 234.40 | 371.90 | 336.50 | 1336.50 | 2614.00 | 5761.60 | 2114.60 | 218.10 | 139.70 | 73.90 | 0.00 | | |
| 25 | 69.50 | 289.20 | 314.90 | 396.20 | 1341.00 | 2714.20 | 5850.90 | 2035.00 | 207.80 | 137.10 | 69.50 | 0.00 | | |
| 26 | 69.50 | 361.40 | 292.90 | 450.50 | 1336.50 | 2815.70 | 5873.10 | 1950.00 | 197.50 | 137.10 | 65.00 | 57.30 | | |
| 27 | 70.90 | 350.80 | 289.20 | 490.30 | 1354.30 | 2968.70 | 5806.30 | 1862.80 | 192.20 | 134.60 | 65.00 | 115.20 | | |
| 28 | 68.00 | 325.80 | 289.20 | 503.30 | 1394.00 | 3089.50 | 5694.50 | 1773.20 | 184.60 | 126.90 | 63.50 | 113.30 | | |
| 29 | 66.50 | 311.20 | 329.40 | 477.10 | 1437.90 | 3225.70 | 5537.00 | 1687.10 | 181.70 | 126.90 | 61.90 | 113.30 | | |
| 30 | 66.50 | 314.90 | 285.50 | 453.90 | 1477.80 | 3356.20 | 5378.60 | 1590.00 | 181.70 | 126.90 | | 152.10 | | |
| 31 | | 340.10 | | 437.10 | 1522.80 | | 5196.10 | | 184.60 | 125.00 | | 160.10 | | |
| Total | 2257.40 | 4811.70 | 12690.10 | 6652.40 | 24613.20 | 66994.20 | 153418.50 | 88589.40 | 17214.80 | 4685.00 | 3007.00 | 1188.00 | 386121.80 | Ton |
| Mean | 75.20 | 155.20 | 423.00 | 214.60 | 794.00 | 2233.10 | 4949.00 | 2953.00 | 555.30 | 151.10 | 103.70 | 38.30 | | |
| Max | 82.50 | 361.40 | 584.70 | 503.30 | 1522.80 | 3356.20 | 5873.10 | 4989.00 | 1495.80 | 181.70 | 137.10 | 160.10 | 5873.10 | |
| Min | 66.50 | 63.50 | 278.00 | 85.30 | 392.80 | 1580.80 | 3522.40 | 1590.00 | 181.70 | 125.00 | 61.90 | 0.00 | 0.00 | |