

WATER YEAR : 2011**CHAO PHRAYA RIVER BASIN****Chao Phraya River at Ban Bang Luang, Chai Nat (C.13)**

Lat 15 - 10 - 07 N Long 100 - 11 - 48 E

Location : on left bank at Wat Pho Ngam about 1.5 kilometers downstream from Chao Phraya Diversion Dam

| | | | |
|--------------------------------------|----------------------------|------------------------|--------------------------|
| | Ban Bang Luang | Amphoe Sanphaya | Changwat Chai Nat |
| Drainage Area | 117,187 sq.km. | | |
| Method of sampling | Depth Integrating | | |
| Instrument Used | US.D-49 | | |
| Period of Available Records | 1953-Cont'd | | |
| Actual Measurement | 1953-Cont'd | | |
| Using Rating Curve Water Year | 2011 | | |
| Number of observation | 26 | | |
| R-Square | 0.8928 | | |
| Remarks | Continued Sediment Station | | |

$$QS = 0.2628 QW^{1.47060}$$

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 | 188.30 | 748.50 | 7509.20 | 1650.00 | 9373.30 | 22652.20 | 42381.30 | 36804.50 | 4831.70 | 1470.50 | 3326.50 | 3818.70 | | |
| 2 | 236.30 | 897.70 | 7712.00 | 1903.30 | 9473.10 | 23627.10 | 42589.40 | 36527.20 | 3691.50 | 1670.30 | 3326.50 | 3374.20 | | |
| 3 | 239.00 | 949.40 | 7828.70 | 2024.00 | 9606.60 | 23955.00 | 42381.30 | 36158.50 | 2755.80 | 1569.40 | 3454.30 | 2861.10 | | |
| 4 | 264.80 | 1047.70 | 7422.80 | 2134.70 | 10085.30 | 24350.40 | 42797.90 | 35699.40 | 2259.90 | 1421.80 | 4095.70 | 2725.90 | | |
| 5 | 256.30 | 1109.70 | 7108.70 | 3406.20 | 11004.20 | 24482.70 | 43320.50 | 34695.80 | 1794.00 | 1101.90 | 3984.10 | 2711.00 | | |
| 6 | 239.00 | 1279.00 | 7365.30 | 5378.10 | 11681.50 | 26019.90 | 43425.20 | 33881.60 | 1721.50 | 1133.30 | 4264.80 | 2725.90 | | |
| 7 | 219.80 | 964.30 | 7828.70 | 6552.90 | 11378.90 | 27349.60 | 43425.20 | 33186.30 | 1609.50 | 1451.00 | 4436.20 | 2637.00 | | |
| 8 | 182.00 | 1001.90 | 9174.90 | 6450.60 | 9043.30 | 28327.60 | 43740.00 | 32242.30 | 1063.10 | 1804.50 | 4417.00 | 2755.80 | | |
| 9 | 154.80 | 1480.30 | 10303.50 | 5400.30 | 9707.10 | 29338.80 | 43950.30 | 31053.50 | 694.90 | 2247.30 | 4436.20 | 2651.70 | | |
| 10 | 150.30 | 1975.40 | 9640.00 | 4151.80 | 9439.80 | 30464.50 | 43950.30 | 30058.80 | 825.60 | 2592.90 | 4189.40 | 2740.80 | | |
| 11 | 150.30 | 1939.20 | 9439.80 | 3200.20 | 10085.30 | 32327.70 | 43845.10 | 29259.20 | 934.50 | 2755.80 | 4378.80 | 2921.80 | | |
| 12 | 150.30 | 1529.60 | 8717.10 | 2755.80 | 10596.70 | 35242.10 | 43635.00 | 28327.60 | 1024.70 | 2906.60 | 4397.90 | 2952.40 | | |
| 13 | 150.30 | 1063.10 | 7480.30 | 3454.30 | 10929.80 | 38107.40 | 43425.20 | 27349.60 | 979.30 | 2433.20 | 4639.70 | 2983.00 | | |
| 14 | 150.30 | 927.10 | 6197.00 | 3406.20 | 11228.50 | 40317.90 | 43215.80 | 26290.30 | 804.30 | 2036.20 | 4513.00 | 3215.90 | | |
| 15 | 150.30 | 1188.90 | 5026.20 | 3655.50 | 11681.50 | 42589.40 | 43111.20 | 24020.80 | 861.40 | 2159.60 | 4767.40 | 3137.60 | | |
| 16 | 150.30 | 2048.50 | 3764.00 | 4660.90 | 12118.50 | 44688.70 | 43006.70 | 22523.20 | 1172.90 | 2234.70 | 4397.90 | 3075.50 | | |
| 17 | 150.30 | 3390.20 | 2830.90 | 5773.40 | 13497.30 | 45963.70 | 43006.70 | 21119.80 | 1431.50 | 2060.70 | 4302.70 | 2876.20 | | |
| 18 | 150.30 | 5026.20 | 2222.10 | 6771.10 | 14956.00 | 46391.20 | 43006.70 | 20024.40 | 1762.80 | 2418.80 | 4208.20 | 2725.90 | | |
| 19 | 151.80 | 6046.40 | 1846.40 | 6578.60 | 16047.50 | 46498.30 | 42902.20 | 18743.10 | 1857.00 | 2272.50 | 4302.70 | 2433.20 | | |
| 20 | 190.50 | 5971.50 | 1660.10 | 6021.40 | 17109.70 | 46823.70 | 42485.30 | 17974.90 | 2197.00 | 2285.20 | 4378.80 | 1891.30 | | |
| 21 | 204.00 | 5601.80 | 1609.50 | 6247.40 | 17109.70 | 46823.70 | 42173.50 | 17378.60 | 1867.50 | 2375.90 | 4534.00 | 1354.60 | | |
| 22 | 228.20 | 5091.60 | 1804.50 | 6911.10 | 16949.00 | 46605.40 | 41862.30 | 15890.10 | 1629.70 | 2725.90 | 4534.00 | 683.40 | | |
| 23 | 236.30 | 5048.00 | 1903.30 | 8211.80 | 17056.00 | 46391.20 | 41448.70 | 14853.40 | 1149.10 | 2830.90 | 4359.80 | 349.90 | | |
| 24 | 256.30 | 4283.80 | 1804.50 | 8152.50 | 16522.80 | 46391.20 | 40933.50 | 13544.50 | 1001.90 | 3106.50 | 4208.20 | 282.30 | | |
| 25 | 256.30 | 3855.20 | 1680.50 | 8555.50 | 16047.50 | 46177.30 | 40420.30 | 11955.50 | 934.50 | 2815.80 | 4227.10 | 247.60 | | |
| 26 | 250.40 | 3390.20 | 1629.70 | 9406.50 | 16258.20 | 45857.00 | 40011.20 | 10670.50 | 897.70 | 2891.40 | 4151.80 | 197.20 | | |
| 27 | 253.20 | 3947.20 | 1490.10 | 10012.90 | 16522.80 | 45324.70 | 39298.60 | 9273.90 | 941.90 | 3075.50 | 4095.70 | 178.20 | | |
| 28 | 337.20 | 5091.60 | 1383.30 | 10194.20 | 16842.10 | 44583.00 | 38893.30 | 8182.10 | 689.20 | 3106.50 | 3947.20 | 144.50 | | |
| 29 | 724.00 | 5400.30 | 1326.10 | 10085.30 | 17002.50 | 44160.80 | 38590.20 | 7080.40 | 689.20 | 3294.70 | 3764.00 | 130.20 | | |
| 30 | 724.00 | 5897.00 | 1307.20 | 9808.00 | 18853.70 | 43530.10 | 38107.40 | 6021.40 | 1078.60 | 2906.60 | | 128.80 | | |
| 31 | | 6911.10 | | 9373.30 | 21183.00 | | 37268.20 | | 1326.10 | 3278.90 | | 128.80 | | |
| Total | 7145.20 | 95102.40 | 147016.40 | 182287.80 | 419391.20 | 1135362.30 | 1302608.60 | 690791.20 | 46478.30 | 72434.80 | 122039.60 | 61040.40 | 4281698.50 | Ton |
| Mean | 238.20 | 3067.80 | 4900.50 | 5880.30 | 13528.70 | 37845.40 | 42019.60 | 23026.40 | 1499.30 | 2336.60 | 4208.30 | 1969.00 | | |
| Max | 724.00 | 6911.10 | 10303.50 | 10194.20 | 21183.00 | 46823.70 | 43950.30 | 36804.50 | 4831.70 | 3294.70 | 4767.40 | 3818.70 | 46823.70 | |
| Min | 150.30 | 748.50 | 1307.20 | 1650.00 | 9043.30 | 22652.20 | 37268.20 | 6021.40 | 689.20 | 1101.90 | 3326.50 | 128.80 | 128.80 | |