

WATER YEAR : 2011**NAN RIVER BASIN****Khek River at Ban Wang Nok Aen , Phitsanulok (N.24A)**

Lat 16 - 50 - 36 N Long 100 - 31 - 20 E

Location : on right bank about 2 kilometers downstream from Sakunothayan Fall.

| | | | | | | |
|--------------------------------------|----------------------------|---------------------|---------------|-------------------|-----------------|--------------------|
| | Ban | Wang Nok Aen | Amphoe | Wang Thong | Changwat | Phitsanulok |
| Drainage Area | 1,838 | 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 | 22 | | | | | |
| R-Square | 0.8843 | | | | | |
| Remarks | Continued Sediment Station | | | | | |

$$QS = 1.2138 QW^{1.53890}$$

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 | 1.60 | 501.20 | 1260.00 | 314.40 | 728.80 | 2602.10 | 1750.00 | 164.60 | 32.10 | 10.20 | 5.00 | 1.20 | | |
| 2 | 1.80 | 551.30 | 844.20 | 892.70 | 4028.90 | 2523.10 | 1693.10 | 156.30 | 30.90 | 9.90 | 4.70 | 1.00 | | |
| 3 | 2.50 | 326.20 | 702.70 | 619.60 | 2732.10 | 5144.10 | 2309.40 | 148.20 | 29.80 | 9.50 | 5.60 | 0.90 | | |
| 4 | 2.70 | 72.00 | 557.70 | 659.80 | 1880.50 | 2796.40 | 2496.00 | 138.30 | 28.60 | 9.10 | 9.10 | 0.90 | | |
| 5 | 2.70 | 145.20 | 581.90 | 498.10 | 1201.00 | 2084.80 | 1757.20 | 129.60 | 27.50 | 9.10 | 15.30 | 0.70 | | |
| 6 | 2.30 | 504.30 | 704.40 | 430.70 | 782.20 | 4790.10 | 1917.30 | 122.90 | 25.30 | 8.70 | 11.90 | 0.60 | | |
| 7 | 5.90 | 695.80 | 836.80 | 291.20 | 588.40 | 5678.80 | 1611.30 | 118.20 | 24.80 | 8.70 | 11.00 | 0.40 | | |
| 8 | 5.90 | 515.10 | 603.10 | 212.70 | 518.30 | 3605.90 | 1114.30 | 114.60 | 24.20 | 8.30 | 9.50 | 0.40 | | |
| 9 | 5.60 | 578.60 | 501.20 | 176.20 | 609.70 | 5102.40 | 923.00 | 107.30 | 23.20 | 8.30 | 7.30 | 0.40 | | |
| 10 | 11.50 | 286.10 | 387.70 | 220.70 | 548.10 | 6407.50 | 789.40 | 115.50 | 22.70 | 8.00 | 5.60 | 0.40 | | |
| 11 | 12.30 | 214.90 | 305.30 | 148.20 | 464.70 | 4628.10 | 699.20 | 109.10 | 21.60 | 8.00 | 5.00 | 2.00 | | |
| 12 | 9.90 | 188.10 | 475.30 | 145.20 | 771.40 | 3773.10 | 644.60 | 110.00 | 20.10 | 7.30 | 4.40 | 9.90 | | |
| 13 | 4.40 | 114.60 | 379.30 | 124.80 | 1085.90 | 7545.10 | 734.10 | 107.30 | 19.60 | 6.90 | 4.10 | 3.30 | | |
| 14 | 4.70 | 28.60 | 548.10 | 326.20 | 816.60 | 7829.50 | 702.70 | 94.10 | 19.10 | 6.60 | 3.50 | 2.30 | | |
| 15 | 4.40 | 255.10 | 311.80 | 343.60 | 721.80 | 5238.30 | 813.00 | 83.20 | 18.60 | 6.20 | 3.50 | 2.30 | | |
| 16 | 2.50 | 209.20 | 255.10 | 504.30 | 959.50 | 5947.50 | 1209.40 | 77.50 | 18.20 | 6.20 | 3.30 | 3.00 | | |
| 17 | 4.40 | 102.80 | 518.30 | 397.60 | 1560.60 | 4715.60 | 695.80 | 73.60 | 17.70 | 5.90 | 3.00 | 4.40 | | |
| 18 | 3.80 | 103.70 | 521.40 | 277.30 | 1625.20 | 3294.30 | 551.30 | 70.50 | 16.70 | 5.90 | 2.70 | 17.20 | | |
| 19 | 8.00 | 269.80 | 1075.90 | 1443.00 | 959.50 | 2701.40 | 475.30 | 68.10 | 16.30 | 5.60 | 2.70 | 9.50 | | |
| 20 | 6.60 | 1114.30 | 609.70 | 923.00 | 1521.80 | 2469.00 | 411.90 | 65.10 | 15.30 | 5.30 | 2.50 | 5.60 | | |
| 21 | 11.50 | 994.50 | 433.60 | 915.40 | 3399.10 | 2671.00 | 424.90 | 62.10 | 15.30 | 5.30 | 2.30 | 3.50 | | |
| 22 | 5.90 | 400.40 | 464.70 | 1043.80 | 4044.90 | 2561.10 | 406.10 | 57.70 | 14.90 | 5.60 | 2.30 | 2.70 | | |
| 23 | 11.90 | 191.40 | 311.80 | 1039.90 | 2640.60 | 2690.30 | 314.40 | 58.50 | 14.40 | 7.30 | 2.00 | 2.00 | | |
| 24 | 20.60 | 117.30 | 243.00 | 666.60 | 1636.80 | 4329.80 | 282.30 | 54.20 | 14.00 | 8.00 | 1.80 | 1.60 | | |
| 25 | 7.60 | 110.00 | 199.10 | 575.40 | 1067.80 | 3360.00 | 267.30 | 51.40 | 13.10 | 6.90 | 1.60 | 1.40 | | |
| 26 | 6.20 | 129.60 | 249.00 | 847.90 | 909.70 | 2542.10 | 249.00 | 43.90 | 12.70 | 6.60 | 1.40 | 1.20 | | |
| 27 | 5.90 | 279.80 | 305.30 | 857.10 | 940.20 | 2807.70 | 230.00 | 37.50 | 12.30 | 7.60 | 1.40 | 0.90 | | |
| 28 | 11.50 | 244.20 | 256.30 | 621.20 | 1071.80 | 3387.00 | 214.90 | 34.50 | 11.90 | 7.30 | 1.40 | 0.60 | | |
| 29 | 19.10 | 737.60 | 261.20 | 678.60 | 926.80 | 2640.60 | 202.50 | 33.90 | 11.50 | 5.90 | 1.40 | 0.40 | | |
| 30 | 76.00 | 2402.10 | 214.90 | 513.60 | 3117.40 | 2262.30 | 188.10 | 33.30 | 11.00 | 5.60 | | 0.40 | | |
| 31 | | 2036.80 | | 364.00 | 4807.00 | | 176.20 | | 10.60 | 5.00 | | 0.30 | | |
| Total | 279.70 | 14420.60 | 14918.80 | 17072.80 | 48667.10 | 118129.00 | 26254.00 | 2641.00 | 594.00 | 224.80 | 135.30 | 81.40 | 243418.50 | Ton |
| Mean | 9.30 | 465.20 | 497.30 | 550.70 | 1569.90 | 3937.60 | 846.90 | 88.00 | 19.20 | 7.30 | 4.70 | 2.60 | | |
| Max | 76.00 | 2402.10 | 1260.00 | 1443.00 | 4807.00 | 7829.50 | 2496.00 | 164.60 | 32.10 | 10.20 | 15.30 | 17.20 | 7829.50 | |
| Min | 1.60 | 28.60 | 199.10 | 124.80 | 464.70 | 2084.80 | 176.20 | 33.30 | 10.60 | 5.00 | 1.40 | 0.30 | 0.30 | |