

WATER YEAR : 2011**KHONG RIVER BASIN****Huai Luang at Ban Non Toom , Udon Thani (Kh.103)**

Lat 17 - 28 - 56 N Long 102 - 47 - 49 E

Location : on right bank at the bridge on highway.

| | | | |
|--------------------------------------|----------------------------|----------------------|----------------------------|
| | Ban Non Toom | Amploe Mueang | Changwat Udon Thani |
| Drainage Area | 1,235 sq.km. | | |
| Method of sampling | Depth Integrating | | |
| Instrument Used | US.D-49 | | |
| Period of Available Records | 2004-Cont'd | | |
| Actual Measurement | 2004-Cont'd | | |
| Using Rating Curve Water Year | 2007-2011 | | |
| Number of observation | 100 | | |
| R-Square | 0.8384 | | |
| Remarks | Continued Sediment Station | | |

$$QS = 6.3777 QW^{1.00840}$$

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 | 15.60 | 3.40 | 6.10 | 16.70 | 292.30 | 358.10 | 312.30 | 22.00 | 4.10 | 5.20 | 3.00 | 8.30 | | |
| 2 | 14.90 | 10.40 | 5.20 | 17.20 | 405.40 | 358.10 | 304.30 | 25.60 | 4.10 | 4.30 | 3.00 | 7.70 | | |
| 3 | 13.80 | 20.80 | 4.30 | 18.80 | 464.00 | 362.80 | 320.90 | 15.60 | 3.40 | 3.00 | 3.00 | 7.50 | | |
| 4 | 12.80 | 19.60 | 12.60 | 23.50 | 489.30 | 362.80 | 339.50 | 8.60 | 2.60 | 2.20 | 3.00 | 7.70 | | |
| 5 | 12.60 | 14.30 | 19.40 | 27.90 | 489.30 | 358.10 | 348.80 | 7.70 | 2.40 | 2.40 | 2.60 | 7.70 | | |
| 6 | 12.20 | 7.70 | 23.80 | 22.00 | 464.00 | 368.10 | 344.20 | 7.90 | 2.20 | 2.40 | 2.20 | 7.90 | | |
| 7 | 12.20 | 6.50 | 51.40 | 15.80 | 437.30 | 384.10 | 339.50 | 7.50 | 2.20 | 2.20 | 2.20 | 8.60 | | |
| 8 | 11.70 | 5.00 | 118.90 | 11.10 | 384.10 | 405.40 | 316.20 | 6.50 | 2.00 | 2.20 | 2.20 | 9.30 | | |
| 9 | 11.10 | 4.10 | 158.30 | 7.00 | 296.30 | 458.70 | 292.30 | 5.00 | 2.20 | 2.00 | 2.20 | 9.50 | | |
| 10 | 11.10 | 3.40 | 147.20 | 5.70 | 239.90 | 522.70 | 245.90 | 7.70 | 2.20 | 2.00 | 2.20 | 11.10 | | |
| 11 | 9.30 | 3.00 | 105.10 | 7.70 | 202.20 | 557.10 | 208.80 | 17.80 | 2.20 | 2.00 | 2.40 | 16.10 | | |
| 12 | 8.80 | 2.80 | 49.30 | 5.40 | 174.90 | 522.70 | 182.90 | 60.80 | 2.00 | 1.80 | 2.80 | 24.60 | | |
| 13 | 8.10 | 3.00 | 26.30 | 5.40 | 147.20 | 509.30 | 170.90 | 35.20 | 1.30 | 1.80 | 3.00 | 56.60 | | |
| 14 | 7.00 | 2.80 | 22.60 | 5.20 | 113.00 | 516.00 | 140.00 | 11.30 | 1.30 | 1.80 | 3.20 | 23.80 | | |
| 15 | 6.80 | 3.20 | 19.60 | 5.40 | 99.20 | 652.10 | 117.60 | 8.30 | 2.00 | 1.80 | 4.30 | 18.30 | | |
| 16 | 5.90 | 2.80 | 16.10 | 7.90 | 120.90 | 1011.90 | 111.00 | 7.50 | 3.80 | 1.60 | 4.80 | 18.10 | | |
| 17 | 5.70 | 2.40 | 13.50 | 9.90 | 150.30 | 1080.30 | 127.50 | 7.00 | 4.10 | 1.80 | 4.10 | 16.30 | | |
| 18 | 7.00 | 4.80 | 11.30 | 11.10 | 192.90 | 958.90 | 136.70 | 6.50 | 3.60 | 1.80 | 3.40 | 14.40 | | |
| 19 | 6.80 | 7.50 | 10.10 | 12.20 | 241.90 | 789.50 | 132.80 | 6.10 | 3.40 | 1.80 | 4.30 | 12.40 | | |
| 20 | 6.80 | 18.10 | 8.60 | 11.30 | 330.20 | 683.80 | 108.40 | 5.70 | 4.30 | 1.80 | 5.00 | 10.60 | | |
| 21 | 7.00 | 22.80 | 6.50 | 12.20 | 378.70 | 588.80 | 73.40 | 5.20 | 5.40 | 1.30 | 4.50 | 8.30 | | |
| 22 | 6.30 | 17.00 | 5.20 | 18.10 | 421.40 | 546.60 | 61.40 | 5.00 | 7.00 | 1.30 | 5.00 | 6.80 | | |
| 23 | 5.40 | 16.70 | 4.80 | 18.50 | 426.70 | 502.70 | 53.50 | 4.80 | 6.50 | 1.30 | 5.20 | 6.30 | | |
| 24 | 5.40 | 15.80 | 7.90 | 28.90 | 405.40 | 458.70 | 48.30 | 4.30 | 5.70 | 1.40 | 5.20 | 6.30 | | |
| 25 | 5.40 | 16.30 | 15.40 | 15.60 | 368.10 | 426.70 | 47.70 | 5.00 | 6.30 | 1.40 | 5.90 | 6.30 | | |
| 26 | 3.80 | 25.80 | 14.00 | 35.20 | 304.30 | 400.00 | 40.40 | 4.50 | 6.10 | 1.30 | 6.80 | 5.40 | | |
| 27 | 3.20 | 21.00 | 15.80 | 40.90 | 280.40 | 344.20 | 24.60 | 4.50 | 5.90 | 1.40 | 7.70 | 5.20 | | |
| 28 | 2.80 | 15.80 | 15.40 | 44.10 | 292.30 | 312.30 | 20.80 | 4.50 | 6.10 | 1.40 | 8.30 | 5.40 | | |
| 29 | 2.40 | 11.90 | 15.80 | 122.90 | 320.90 | 308.30 | 16.30 | 4.10 | 5.40 | 1.40 | 8.80 | 6.30 | | |
| 30 | 2.40 | 8.10 | 16.50 | 109.10 | 348.80 | 308.30 | 13.30 | 4.10 | 5.40 | 1.40 | | 7.20 | | |
| 31 | | 6.80 | | 166.20 | 358.10 | | 11.90 | | 5.40 | 2.20 | | 6.10 | | |
| Total | 244.30 | 323.60 | 947.00 | 858.90 | 9639.70 | 15417.10 | 5012.10 | 326.30 | 120.60 | 61.70 | 120.30 | 366.10 | 33437.70 | Ton |
| Mean | 8.10 | 10.40 | 31.60 | 27.70 | 311.00 | 513.90 | 161.70 | 10.90 | 3.90 | 2.00 | 4.10 | 11.80 | | |
| Max | 15.60 | 25.80 | 158.30 | 166.20 | 489.30 | 1080.30 | 348.80 | 60.80 | 7.00 | 5.20 | 8.80 | 56.60 | 1080.30 | |
| Min | 2.40 | 2.40 | 4.30 | 5.20 | 99.20 | 308.30 | 11.90 | 4.10 | 1.30 | 1.30 | 2.20 | 5.20 | 1.30 | |