

# WATER YEAR 2024

## THALE SAP SONGKHLA BASIN

Khlong Wa at Ban Khong Wa , Songkla ( X.174 )

Location Lat.06° - 59' - 12" N., Long. 100° - 28' - 55" E., Amphoe Hatyai , Songkla  
 Drainage Area 106.19  
 Method of Sampling Depth Integrating  
 Instrument Used US DH - 48  
 Period of Available Records 2003 - Cont' d  
 Actual Measurement 2003 - 2012 , 2017- Cont' d  
 Using Rating Curve Water Year 2024  
 Number of observation 37  
 R - Square 0.9864  
 Remarks Continued Sediment Station

QS = 5.8585 QW<sup>1.1536</sup>

Water Year - 2024

Suspended Sediment in Tons Per Day, Water Year April 1, 2024 to March 31, 2025

| Date  | Apr    | May   | Jun    | Jul    | Aug    | Sep    | Oct     | Nov     | Dec     | Jan     | Feb    | Mar    | Annual       |
|-------|--------|-------|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------------|
| 1     | 3.88   | 2.63  | 3.25   | 5.19   | 4.20   | 10.81  | 17.64   | 16.86   | 427.30  | 34.92   | 24.86  | 23.22  | 574.76       |
| 2     | 3.88   | 2.94  | 3.25   | 4.53   | 2.33   | 8.64   | 21.61   | 17.64   | 277.62  | 37.51   | 23.22  | 21.61  | 424.78       |
| 3     | 3.88   | 2.63  | 5.52   | 7.23   | 5.52   | 6.54   | 102.97  | 20.01   | 234.60  | 31.52   | 20.01  | 19.21  | 459.65       |
| 4     | 3.56   | 2.63  | 4.20   | 13.79  | 5.52   | 5.86   | 48.34   | 28.16   | 172.84  | 28.16   | 22.41  | 20.81  | 356.30       |
| 5     | 3.56   | 3.25  | 3.88   | 7.23   | 4.86   | 5.52   | 56.21   | 42.13   | 146.09  | 28.99   | 18.43  | 17.64  | 337.80       |
| 6     | 3.25   | 3.25  | 3.56   | 5.19   | 3.56   | 5.52   | 102.97  | 138.34  | 128.10  | 28.16   | 17.64  | 16.86  | 456.41       |
| 7     | 3.25   | 2.94  | 7.23   | 4.86   | 4.53   | 8.64   | 214.83  | 130.65  | 107.94  | 28.16   | 16.86  | 18.43  | 548.31       |
| 8     | 3.25   | 2.63  | 8.64   | 3.25   | 5.19   | 6.54   | 120.48  | 88.27   | 93.14   | 24.04   | 19.21  | 14.55  | 389.20       |
| 9     | 3.25   | 2.33  | 4.20   | 7.23   | 4.20   | 16.08  | 201.78  | 53.02   | 98.04   | 22.41   | 16.08  | 28.16  | 456.81       |
| 10    | 3.25   | 2.33  | 3.56   | 16.86  | 3.88   | 5.86   | 128.10  | 241.24  | 105.45  | 21.61   | 14.55  | 21.61  | 568.30       |
| 11    | 3.25   | 2.63  | 3.25   | 7.93   | 5.52   | 5.19   | 95.59   | 123.02  | 93.14   | 23.22   | 13.79  | 20.01  | 396.53       |
| 12    | 3.25   | 2.63  | 3.25   | 5.86   | 5.19   | 5.19   | 112.94  | 224.69  | 93.14   | 25.68   | 10.08  | 20.01  | 511.89       |
| 13    | 2.94   | 2.33  | 2.94   | 4.86   | 2.63   | 4.86   | 78.65   | 167.02  | 90.70   | 21.61   | 9.35   | 23.22  | 411.12       |
| 14    | 2.63   | 2.63  | 2.94   | 4.53   | 2.94   | 8.64   | 57.86   | 112.94  | 143.50  | 18.43   | 9.35   | 16.86  | 383.24       |
| 15    | 2.63   | 2.33  | 2.63   | 4.20   | 4.86   | 9.35   | 61.08   | 88.27   | 133.21  | 35.78   | 7.93   | 16.86  | 369.14       |
| 16    | 2.63   | 4.20  | 4.20   | 3.88   | 4.86   | 8.64   | 56.21   | 45.22   | 120.48  | 264.67  | 11.54  | 15.31  | 541.86       |
| 17    | 2.94   | 4.53  | 4.20   | 5.52   | 5.52   | 10.08  | 46.73   | 37.51   | 117.96  | 140.92  | 7.93   | 18.43  | 402.27       |
| 18    | 2.94   | 4.86  | 3.88   | 5.19   | 5.52   | 15.31  | 39.07   | 45.22   | 107.94  | 85.85   | 6.54   | 13.03  | 335.36       |
| 19    | 2.94   | 2.63  | 3.56   | 4.53   | 8.64   | 20.81  | 34.92   | 48.34   | 100.50  | 73.89   | 7.93   | 13.79  | 322.49       |
| 20    | 2.94   | 2.33  | 3.56   | 5.52   | 5.52   | 16.86  | 32.36   | 67.58   | 93.14   | 67.58   | 11.54  | 11.54  | 320.50       |
| 21    | 4.20   | 2.33  | 3.25   | 4.20   | 4.53   | 23.22  | 28.99   | 95.59   | 76.27   | 62.65   | 7.93   | 16.86  | 330.03       |
| 22    | 5.19   | 3.56  | 3.25   | 4.20   | 4.53   | 22.41  | 26.50   | 95.59   | 64.32   | 53.02   | 12.28  | 12.28  | 307.15       |
| 23    | 4.20   | 4.86  | 2.94   | 3.88   | 21.61  | 20.81  | 24.04   | 73.89   | 62.65   | 49.86   | 7.93   | 13.79  | 290.46       |
| 24    | 3.56   | 3.25  | 2.63   | 4.53   | 28.99  | 32.36  | 25.68   | 90.70   | 54.66   | 49.86   | 20.81  | 10.08  | 327.12       |
| 25    | 3.25   | 2.63  | 2.94   | 3.88   | 24.86  | 83.44  | 28.16   | 90.70   | 30.67   | 46.73   | 90.70  | 9.35   | 417.33       |
| 26    | 3.88   | 2.33  | 2.63   | 17.64  | 15.31  | 20.01  | 24.04   | 214.83  | 30.67   | 39.07   | 48.34  | 9.35   | 428.11       |
| 27    | 3.25   | 2.04  | 2.33   | 19.21  | 14.55  | 19.21  | 24.04   | 1456.09 | 46.73   | 37.51   | 31.52  | 11.54  | 1668.02      |
| 28    | 4.20   | 2.04  | 4.86   | 17.64  | 26.50  | 16.86  | 22.41   | 2085.22 | 57.86   | 34.92   | 33.21  | 7.93   | 2313.65      |
| 29    | 3.25   | 2.33  | 13.79  | 5.86   | 23.22  | 19.21  | 20.81   | 2342.86 | 62.65   | 30.67   |        | 12.28  | 2536.94      |
| 30    | 2.94   | 2.33  | 5.86   | 5.19   | 16.86  | 14.55  | 20.01   | 1318.25 | 56.21   | 30.67   |        | 9.35   | 1482.22      |
| 31    |        | 3.56  |        | 5.19   | 7.93   |        | 18.43   |         | 42.13   | 28.99   |        | 5.86   | 112.09       |
| Total | 102.06 | 89.96 | 126.22 | 218.80 | 283.90 | 457.01 | 1893.44 | 9599.86 | 3469.66 | 1507.10 | 541.98 | 489.84 | 18779.82 Ton |
| Mean  | 3.40   | 2.90  | 4.21   | 7.06   | 9.16   | 15.23  | 61.08   | 320.00  | 111.92  | 48.62   | 19.36  | 15.80  | 51.56        |
| Max   | 5.19   | 4.86  | 13.79  | 19.21  | 28.99  | 83.44  | 214.83  | 2342.86 | 427.30  | 264.67  | 90.70  | 28.16  | 2342.86      |
| Min   | 2.63   | 2.04  | 2.33   | 3.25   | 2.33   | 4.86   | 17.64   | 16.86   | 30.67   | 18.43   | 6.54   | 5.86   | 2.04         |

Stop - Program terminated.