

**WATER YEAR : 2011**  
**SOUTHERN PENINSULA WEST COAST**  
**Khlong Langu at Ban Tha Khian , Satun (X.150)**

Lat 06 - 56 - 30 N Long 99 - 52 - 33 E

**Location : on right bank at Ban Tha Khian.**

	<b>Ban</b> Tha Khian	<b>Amphoe</b> Langu	<b>Changwat</b> Satun
<b>Drainage Area</b>	480 sq.km.		
<b>Method of sampling</b>	Depth Integrating		
<b>Instrument Used</b>	US.D-49		
<b>Period of Available Records</b>	1998-Cont'd		
<b>Actual Measurement</b>	1998-Cont'd		
<b>Using Rating Curve Water Year</b>	2011		
<b>Number of observation</b>	24		
<b>R-Square</b>	0.7087		
<b>Remarks</b>	Continued Sediment Station		

$$QS = 2.7081 QW^{1.37610}$$

**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	1668.70	127.20	43.70	48.60	52.30	417.10	281.30	460.90	223.40	314.60	125.00	54.80		
2	622.40	89.00	60.00	48.60	43.70	269.40	217.90	229.10	190.50	1940.10	108.40	43.70		
3	314.60	63.90	93.40	46.10	62.60	193.20	246.10	149.00	169.40	1129.80	110.40	41.40		
4	212.30	131.50	215.00	51.10	56.10	153.50	249.10	118.70	153.50	553.50	94.80	41.40		
5	162.50	125.00	110.40	42.50	42.50	127.20	553.50	122.90	167.10	293.30	87.50	56.10		
6	149.00	120.80	91.90	41.40	40.20	116.60	1321.00	427.10	142.40	223.40	83.20	243.30		
7	171.70	149.00	73.40	41.40	40.20	125.00	514.00	269.40	120.80	185.80	80.40	125.00		
8	120.80	76.20	61.30	40.20	40.20	94.80	296.30	153.50	120.80	169.40	79.00	65.30		
9	97.80	62.60	56.10	40.20	39.00	81.80	237.60	204.00	164.80	155.70	70.70	151.20		
10	87.50	61.30	93.40	40.20	39.00	188.20	193.20	140.20	120.80	169.40	65.30	118.70		
11	80.40	57.40	655.60	40.20	37.90	4395.70	212.30	114.60	129.30	215.00	63.90	77.60		
12	73.40	61.30	257.70	39.00	39.00	11387.80	183.40	133.60	240.40	257.70	62.60	62.60		
13	68.00	63.90	317.70	39.00	39.00	9500.10	151.20	96.30	561.50	1212.00	63.90	53.60		
14	62.60	53.60	169.40	43.70	40.20	4228.00	133.60	87.50	1037.80	1159.00	65.30	48.60		
15	58.70	47.40	112.50	44.90	185.80	806.00	116.60	84.60	323.90	981.40	63.90	43.70		
16	57.40	43.70	94.80	84.60	76.20	374.50	102.30	118.70	272.50	450.70	61.30	40.20		
17	62.60	47.40	80.40	47.40	90.40	311.60	116.60	87.50	673.20	305.40	58.70	37.90		
18	90.40	106.30	89.00	40.20	57.40	320.70	104.30	79.00	767.40	287.30	56.10	42.50		
19	140.20	427.10	93.40	39.00	42.50	467.70	106.30	86.10	757.80	305.40	57.40	36.70		
20	257.70	481.50	79.00	40.20	63.90	757.80	127.20	77.60	467.70	308.40	57.40	42.50		
21	89.00	129.30	70.70	39.00	158.00	420.40	97.80	104.30	320.70	333.20	53.60	48.60		
22	68.00	102.30	58.70	39.00	151.20	290.20	93.40	601.90	263.60	364.80	52.30	36.70		
23	61.30	220.70	53.60	44.90	323.90	260.70	99.30	909.40	226.30	240.40	49.80	32.20		
24	56.10	97.80	49.80	52.30	102.30	195.90	84.60	1575.00	284.20	188.20	44.90	30.10		
25	49.80	47.40	46.10	81.80	630.60	167.10	86.10	2130.20	302.30	164.80	43.70	30.10		
26	44.90	69.30	43.70	52.30	2625.20	622.40	100.80	1978.40	193.20	146.80	41.40	33.30		
27	43.70	68.00	65.30	46.10	2289.70	397.30	110.40	840.40	164.80	133.60	40.20	37.90		
28	42.50	56.10	53.60	158.00	3755.90	272.50	87.50	495.30	153.50	122.90	42.50	54.80		
29	41.40	51.10	52.30	387.50	5034.30	326.90	79.00	381.00	138.00	114.60	51.10	37.90		
30	62.60	47.40	48.60	104.30	4752.20	437.20	193.20	281.30	129.30	133.60		33.30		
31		44.90		69.30	1575.00		498.70		131.50	142.40		53.60		
<b>Total</b>	5118.00	3330.40	3390.50	1973.00	22526.40	37707.30	6994.60	12537.50	9112.40	12702.60	1934.70	1855.30	119182.70	<b>Ton</b>
<b>Mean</b>	170.60	107.40	113.00	63.60	726.70	1256.90	225.60	417.90	293.90	409.80	66.70	59.80		
<b>Max</b>	1668.70	481.50	655.60	387.50	5034.30	11387.80	1321.00	2130.20	1037.80	1940.10	125.00	243.30	11387.80	
<b>Min</b>	41.40	43.70	43.70	39.00	37.90	81.80	79.00	77.60	120.80	114.60	40.20	30.10	30.10	