

WATER YEAR : 2012

TAPI RIVER BASIN

Tapi River at Ban Khian Sa , Surat Thani (X.217)

Lat 08 - 50 - 54 N Long 99 - 12 - 03 E

Location : on left bank at Ban Khian Sa.

	Ban Khian Sa	Amphoe Khian Sa	Changwat Surat Thani
Drainage Area	6,697 sq.km.		
Type of Gage	Water - stage recorder		
Zero Gage at Bottom	+0.000 m. (MSL.)		
Bench Mark	B.M.-H.D.		
Location BM	On left bank at the abutment of the bridge.		Elevation +9.801 m. (MSL.)
Gage Reading Frequency	Recording.		
Basis of Mean Daily Gage Height	Arithmetic mean of 24 readings		
Period of Available Gage Records	2003 to date		
Rating Operation			
Period of Rating	2003 to date		
Rated by Flot	-		
Rated by Current Meter	2003 to date		
Stability of Channel Regimes	Fairly stable because of backwater effect.		
Overbank Flow Conditions	No overbank flow.		
General Description	Records fair. Stage-discharge relation defined by 22 discharge measurements made in 2012.		

Gage Height in Meter (MSL.) Water Year April 1, 2012 to March 31, 2013

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	0.91	1.49	1.95	1.54	0.80	1.71	1.99	1.38	1.39	1.42	0.65	0.73	
2	0.87	1.44	2.03	1.23	0.74	1.76	2.10	1.19	1.39	1.50	0.61	0.57	
3	0.74	1.38	2.12	1.14	0.66	1.74	2.21	1.27	1.36	1.54	0.59	0.57	
4	0.72	1.32	2.22	1.11	0.67	1.65	2.30	1.24	1.32	1.54	0.69	0.57	
5	0.93	1.19	2.33	1.10	0.69	1.45	2.35	1.44	1.22	1.51	0.51	0.57	
6	0.98	1.00	2.53	1.16	0.65	1.22	2.37	1.59	1.08	1.44	0.53	0.59	
7	1.04	1.12	2.76	1.32	0.59	1.19	2.33	1.49	0.97	1.47	0.50	0.62	
8	1.07	1.33	2.98	1.42	0.51	1.26	2.26	1.60	0.87	1.49	0.53	0.64	
9	1.15	1.45	3.22	1.50	0.47	1.33	2.19	1.57	0.83	1.46	0.60	0.61	
10	1.11	1.53	3.47	1.59	0.53	1.32	2.14	1.59	0.80	1.39	0.62	0.49	
11	0.95	1.57	3.75	1.66	0.55	1.24	2.07	1.60	0.85	1.32	0.69	0.37	
12	0.91	1.51	4.17	1.72	0.54	1.13	2.03	1.68	1.00	1.27	0.64	0.45	
13	1.03	1.35	4.46	1.76	0.44	1.13	2.00	1.71	1.19	1.22	0.77	0.41	
14	1.00	1.09	4.58	1.72	0.40	1.32	1.97	1.64	1.28	1.18	0.68	0.34	
15	0.97	0.88	4.57	1.83	0.46	1.53	1.96	1.63	1.27	1.15	0.57	0.47	
16	0.89	0.66	4.47	1.79	0.47	1.70	1.95	1.68	1.30	1.07	0.57	0.48	
17	0.88	0.64	4.33	1.70	0.48	1.82	1.95	1.75	1.40	0.96	0.67	0.44	
18	0.89	0.73	4.18	1.49	0.45	1.90	1.93	1.40	1.45	0.92	0.55	0.35	
19	0.85	0.85	4.02	1.37	0.58	1.94	1.95	1.44	1.46	1.03	0.43	0.31	
20	1.07	0.93	3.90	1.28	0.55	1.94	2.02	1.47	1.41	0.86	0.46	0.29	
21	1.39	0.81	3.66	1.21	0.48	1.89	2.03	1.36	1.22	0.64	0.54	0.23	
22	1.54	0.83	3.52	1.09	0.47	1.78	1.90	1.27	1.00	0.79	0.56	0.25	
23	1.63	0.72	3.34	0.93	0.47	1.65	1.83	1.21	1.03	0.76	0.48	0.29	
24	1.72	0.75	3.16	0.81	0.66	1.55	1.76	1.15	1.28	0.77	0.68	0.24	
25	1.79	0.76	2.99	0.74	0.85	1.49	1.74	1.23	1.49	0.73	0.65	0.21	
26	1.84	0.88	2.75	0.75	1.08	1.47	1.74	1.37	1.54	0.75	0.68	0.32	
27	1.86	1.19	2.46	0.86	1.25	1.49	1.65	1.33	1.58	0.75	0.61	0.31	
28	1.82	1.44	2.19	0.90	1.36	1.55	1.54	1.25	1.61	0.72	0.65	0.30	
29	1.74	1.61	1.94	0.86	1.44	1.72	1.54	1.28	1.56	0.74	0.74	0.33	
30	1.62	1.75	1.53	0.78	1.56	1.87	1.51	1.33	1.45	0.67	0.67	0.39	
31	1.86	1.86	1.53	0.80	1.65	1.65	1.45	1.40	1.40	0.66	0.66	0.44	
Mean	1.20	1.16	3.19	1.26	0.73	1.56	1.96	1.44	1.26	1.09	0.60	0.43	
Max	1.86	1.86	4.58	1.83	1.65	1.94	2.37	1.75	1.61	1.54	0.77	0.73	4.58
Min	0.72	0.64	1.53	0.74	0.40	1.13	1.45	1.15	0.80	0.64	0.43	0.21	0.21
Annual Max Momentary Gage Height	4.59		m. (MSL.) ,				at 19.00 Hours , on Jun 14 , 2012						
Zero Gage at Bottom Elevation	0.00		m. (MSL.) ,			River Bed	-7.63	m. (MSL.)					
Left Bank Elevation	9.94		m. (MSL.) ,										
Right Bank Elevation	8.63		m. (MSL.) ,			Drainage Area	6697	Square Kilometers					