BATANGAS CITY, BATANGAS

LAT 13° 45'N LONG 121° 03'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

January		February		March		April		
Time Ht. h. min. m.	Time Ht. h. min. m.	Time Ht. h. min. m.	Time Ht.	Time Ht. h. min. m.	Time Ht. h. min. m.	Time Ht. h. min. m.	Time Ht. h. min. m.	
1 00 04 0.33 SUN 04 57 0.48 10 53 0.18 18 26 0.85	16 03 16 0.49 MON 09 27 0.13 17 06 0.80	1 03 48 -0.02 WED 19 04 1.07	16 02 41 -0.02 THU 17 59 1.22	1 01 56 0.14 16	00 27 0.09 J 15 54 1.28	1 02 51 0.09 SAT 18 47 1.05	16 02 27 0.02 SUN 19 03 1.25	
2 02 13 0.17 MON 07 18 0.31 11 01 0.24 19 09 0.97	17 01 03 0.22 TUE 05 15 0.30 09 29 0.20 17 54 0.95	2 04 25 -0.14 THU 20 03 1.13	17 03 40 -0.19 FRI 19 22 1.33	2 03 17 0.04 THU 18 04 1.07 FR	02 14 -0.01 I 17 27 1.29	2 03 27 0.07 SUN 11 43 0.69 13 18 0.69 20 13 1.08	17 03 06 0.06 MON 09 56 0.75 13 44 0.61 20 27 1.24	
3 03 33 0.00 TUE 19 51 1.07	18 02 45 0.02 WED 18 48 1.11	3 04 55 -0.21 FRI 20 55 1.18	18 04 26 -0.30 SAT 20 36 1.44	3 03 54 -0.03 FRI 19 34 1.10 SAT	03 13 -0.10 19 12 1.34	3 03 54 0.08 MON 10 50 0.71 14 39 0.57 21 09 1.11	18 03 35 0.13 TUE 09 55 0.86 14 58 0.43 21 31 1.19	
4 04 22 -0.15 WED 20 31 1.16	19 03 45 -0.19 THU 19 45 1.27	4 05 23 -0.25 SAT 21 40 1.23	19 05 07 -0.36 sun 21 39 1.52	4 04 24 -0.08 SAT 20 41 1.15 SUN	03 56 -0.14 I 20 34 1.40	4 04 16 0.12 TUE 10 41 0.76 15 27 0.45 21 55 1.12	19 03 58 0.23 WED 10 09 1.00 15 57 0.26 22 27 1.11	
5 05 00 -0.26 THU 21 09 1.22	20 04 33 -0.36 FRI 20 42 1.42	5 05 49 -0.26 SUN 13 06 0.40 14 27 0.39 22 20 1.26	20 05 45 -0.34 MON 12 20 0.46 15 03 0.39 22 33 1.54	5 04 50 -0.09 SUN 12 12 0.55 14 11 0.53 21 31 1.20	04 32 -0.12 1 11 08 0.63 14 30 0.51 21 37 1.43	5 04 33 0.17 WED 10 45 0.84 16 09 0.33 22 36 1.10	20 04 16 0.33 THU 10 31 1.15 16 51 0.13 23 18 0.99	
6 05 33 -0.32 FRI 21 46 1.26	21 05 20 -0.47 SAT 21 38 1.53	6 06 15 -0.24 MON 12 50 0.41 15 34 0.35 22 57 1.26	21 06 18 -0.26 TUE 12 24 0.52 16 14 0.30 23 23 1.48	6 05 13 -0.08 21 TUE	05 01 -0.05 11 08 0.71 15 39 0.36 22 31 1.39	6 04 48 0.23 THU 10 57 0.95 16 49 0.22 23 15 1.04	21 04 31 0.41 FRI 10 55 1.29 17 45 0.04	
7 06 05 -0.35 SAT 22 23 1.28	22 06 05 -0.52 SUN 22 30 1.58	7 06 38 -0.21 TUE 12 53 0.43 16 24 0.30 23 32 1.23	22 06 45 -0.14 WED 12 39 0.61 17 15 0.22	7 05 34 -0.04 TUE 11 46 0.60 16 01 0.36 22 50 1.23	05 25 0.06 0 11 22 0.83 16 37 0.23 23 21 1.29	7 05 00 0.30 FRI 11 13 1.07 17 31 0.13 23 54 0.95	22 00 06 0.85 SAT 04 43 0.46 11 22 1.39 18 36 -0.01	
8 06 35 -0.35 SUN 22 59 1.28	23 06 47 -0.50 MON 13 44 0.33 15 22 0.32 23 21 1.56	8 06 57 -0.15 WED 13 03 0.48 17 09 0.27	23 00 09 1.34 THU 07 05 -0.01 13 00 0.74 18 13 0.17	8 05 52 0.01 WED 11 53 0.67 16 43 0.29 23 25 1.18	05 44 0.18 11 42 0.97 17 32 0.14	8 05 13 0.36 SAT 11 34 1.18 18 15 0.07	23 00 54 0.72 SUN 04 53 0.49 11 50 1.45 19 27 -0.02	
9 07 04 -0.33 MON 14 01 0.31 15 39 0.30 23 33 1.25	24 07 25 -0.41 TUE 13 50 0.36 16 40 0.28	9 00 05 1.17 THU 07 14 -0.09 13 19 0.55 17 54 0.25	24 00 54 1.15 FRI 07 19 0.12 13 25 0.87 19 13 0.16	9 06 06 0.07 THU 12 06 0.75 17 24 0.23 23 59 1.10	00 06 1.13 I 05 57 0.29 12 06 1.11 18 27 0.09	9 00 36 0.84 SUN 05 24 0.41 11 58 1.29 19 03 0.03	24 01 45 0.60 MON 04 59 0.49 12 19 1.46 20 18 0.00	
10 07 32 -0.29 TUE 14 12 0.33 16 33 0.29	25 00 10 1.46 WED 07 57 -0.29 14 08 0.43 17 48 0.25	10 00 36 1.07 FRI 07 28 -0.03 13 38 0.63 18 39 0.24	25 01 35 0.92 SAT 07 27 0.21 13 53 0.98 20 19 0.17	10 06 18 0.14 FRI 12 22 0.85 18 06 0.18	00 51 0.95 06 07 0.36 12 33 1.22 19 23 0.07	10 01 21 0.71 MON 05 34 0.45 12 25 1.37 19 58 0.01	25 02 43 0.51 TUE 04 55 0.48 12 49 1.44 21 11 0.04	
11 00 07 1.19 WED 07 57 -0.24 14 30 0.36 17 22 0.30	26 00 57 1.29 THU 08 23 -0.14 14 31 0.54 18 55 0.25	11 01 09 0.95 SAT 07 40 0.04 14 00 0.72 19 31 0.25	26 02 15 0.69 sun 07 30 0.27 14 24 1.06 21 37 0.20	11 00 33 0.99 SAT 06 29 0.20 12 42 0.96 18 51 0.15	01 33 0.76 I 06 14 0.40 13 00 1.28 20 21 0.09	11 02 17 0.59 TUE 05 38 0.47 12 57 1.43 21 04 0.02	26 13 21 1.37 WED 22 11 0.08	
12 00 40 1.11 THU 08 19 -0.18 14 51 0.41 18 13 0.32	27 01 41 1.07 FRI 08 41 -0.01 15 00 0.66 20 09 0.27	12 01 42 0.79 SUN 07 50 0.11 14 27 0.82 20 36 0.25	27 02 58 0.48 MON 07 22 0.29 15 00 1.10 23 21 0.20	12 01 09 0.86 SUN 06 39 0.26 13 06 1.06 19 42 0.14	02 19 0.59 I 06 14 0.41 13 30 1.30 21 26 0.12	12 03 45 0.47 WED 05 16 0.47 13 34 1.44 22 29 0.04	27 13 57 1.29 THU 23 21 0.12	
13 01 12 0.99 FRI 08 39 -0.11 15 18 0.48 19 11 0.34	28 02 24 0.82 SAT 08 51 0.10 15 35 0.78 21 42 0.28	13 02 21 0.61 MON 07 57 0.18 15 00 0.93 22 11 0.24	28 04 08 0.31 TUE 06 40 0.29 15 42 1.10	13 01 49 0.70 MON 06 46 0.32 13 33 1.15 20 46 0.14	03 16 0.45 05 59 0.41 14 01 1.28 22 45 0.15	13 14 23 1.41 THU	28 14 43 1.18 FRI	
14 01 45 0.85 SAT 08 57 -0.03 15 48 0.56 20 27 0.36	29 03 08 0.57 SUN 08 53 0.18 16 16 0.88 23 51 0.25	14 03 17 0.42 TUE 07 55 0.23 (15 43 1.03		14 02 40 0.54 TUE 06 47 0.35 14 06 1.22 22 15 0.14	14 38 1.23	14 00 09 0.03 FRI 15 33 1.35	29 00 34 0.14 SAT 15 50 1.07	
15 02 24 0.68 SUN 09 13 0.05	30 04 10 0.34 MON 08 36 0.22 17 05 0.96	15 00 40 0.15 WED 16 42 1.12		15 04 11 0.38 WED 06 18 0.36 14 49 1.26	00 30 0.16 J 15 29 1.15	15 01 32 0.01 SAT 17 13 1.28	30 01 31 0.16 SUN 17 36 0.98	
	31 02 35 0.12 TUE 18 02 1.02			31 FR	02 00 0.12 I 16 50 1.08			

TIME MERIDIAN 120 DEG. EAST. 0000 IS MIDNIGHT, 1200 IS NOON

HEIGHTS ARE IN METERS AND RECKONED FROM THE DATUM OF SOUNDINGS ON CHARTS OF THE LOCALITY WHICH IS MEAN LOWER LOW WATER