



HARBOUR COVE MARINA

FAMILY OWNED & FAMILY FRIENDLY SINCE 1992

301.261.9500 | FAX 301.261.5067

facebook.com/harbourcovemarina

CHECK OUT OUR BROKERAGE LISTINGS AT WWW.HARBOURCOVE.COM

5910 VACATION LANE | P.O. BOX 437 | DEALE, MD 20751

Best Kept Secret on the Chesapeake Bay!

HIGH & DRY RACK STORAGE

- Volvo & Mercury certified mechanics • Brand new boatel
- 75 Wet Slips • 235 Hi & Dri Slips • 30,000 pound Travelift
- New 22,000 pound capacity Hoist Neptune forklift
- Air-conditioned clubhouse & bathhouse w/ 24 hour access
- Protected water on Rockhold Creek • 12 minutes to Bay



December 2016 Tides

BALTIMORE				ANNAPOLIS				CHESAPEAKE BAY BRIDGE TUNNEL						
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	
1 Th 02:31 AM 0.2 6	01:13 PM -0.1 -3	07:59 PM 1.4 43	16 F 02:59 AM -0.1 -3	07:52 AM 0.9 27	01:59 AM -0.2 -6	08:39 PM 1.5 46	17 01:44 AM 0.0 0	09:14 AM 0.7 21	01:25 AM 0.2 6	05:42 AM 0.8 24	12:33 PM -0.4 -12	07:23 PM 1.2 37	18 01:44 AM 0.0 0	
2 F 03:10 AM 0.2 6	08:05 AM 0.8 24	01:52 PM 0.0 0	08:35 PM 1.4 43	17 Sa 03:49 AM -0.1 -3	09:31 PM 1.4 43	08:48 AM 0.8 24	02:34 AM 0.1 3	07:50 AM 0.7 21	01:07 AM 0.2 6	02:55 PM -0.3 -9	09:31 PM 1.4 43	18 Sa 04:39 AM -0.1 -3	09:43 AM 0.8 24	
3 Sa 03:50 AM 0.2 6	08:48 AM 0.8 24	02:34 PM 0.0 0	09:14 PM 1.4 43	18 Su 04:39 AM -0.1 -3	03:54 PM -0.2 -6	08:48 AM 0.8 24	07:03 AM 0.7 21	01:18 PM -0.1 -3	01:49 AM 0.2 6	08:01 PM 1.2 37	08:42 PM 1.3 40	19 Su 04:39 AM -0.1 -3	09:43 AM 0.8 24	
4 Su 04:30 AM 0.1 3	09:34 AM 0.8 24	03:20 PM 0.0 0	09:57 PM 1.4 43	19 M 05:27 AM -0.1 -3	10:21 PM 1.3 40	09:34 AM 0.8 24	02:34 AM 0.1 3	07:50 AM 0.7 21	02:03 PM -0.1 -3	08:42 PM 1.2 37	08:42 PM 1.2 37	19 M 05:27 AM -0.1 -3	09:43 AM 0.8 24	
5 M 05:12 AM 0.1 3	10:25 AM 0.8 24	04:14 PM 0.1 3	10:44 PM 1.3 40	20 Tu 06:15 AM -0.1 -3	11:12 PM 1.2 37	09:34 AM 0.8 24	02:34 AM 0.1 3	07:50 AM 0.7 21	02:03 PM -0.1 -3	08:42 PM 1.2 37	08:42 PM 1.2 37	20 Tu 06:15 AM -0.1 -3	09:43 AM 0.8 24	
6 Tu 05:55 AM 0.1 3	11:19 AM 0.9 27	05:16 PM 0.1 3	11:34 PM 1.3 40	21 W 12:01 AM 1.1 34	12:01 AM 1.1 34	10:14 PM 1.1 34	04:06 AM 0.1 3	09:44 AM 0.7 21	03:51 PM 0.0 0	10:14 PM 1.1 34	10:14 PM 1.1 34	21 W 12:01 AM 1.1 34	09:43 AM 0.8 24	
7 W 06:39 AM 0.0 0	12:17 PM 1.0 30	06:29 PM 0.1 3		22 Th 07:43 AM -0.1 -3	07:43 AM -0.1 -3	11:04 PM 1.0 30	04:54 AM 0.0 0	10:49 AM 0.8 24	04:55 PM 0.1 3	11:04 PM 1.0 30	11:04 PM 1.0 30	22 Th 07:43 AM -0.1 -3	09:43 AM 0.8 24	
8 Th 12:28 AM 1.2 37	08:09 AM -0.1 -3	01:18 PM 1.1 34	07:46 PM 0.2 6	23 F 01:40 AM 0.9 27	08:23 AM 0.1 3	11:55 AM 0.9 27	05:43 AM -0.1 -3	11:55 AM 0.9 27	06:02 PM 0.1 3	11:57 PM 0.9 27	11:57 PM 0.9 27	23 F 01:40 AM 0.9 27	09:43 AM 0.8 24	
9 F 01:23 AM 1.1 34	08:09 AM -0.2 -6	02:18 PM 1.2 37	09:03 PM 0.1 3	24 Sa 02:02 AM -0.2 -6	03:43 PM 1.1 34	10:28 PM 0.1 3	06:33 AM -0.2 -6	07:08 PM 0.1 3	07:08 PM 0.1 3	10:28 PM 0.1 3	10:28 PM 0.1 3	24 Sa 02:02 AM -0.2 -6	09:43 AM 0.8 24	
10 Sa 02:19 AM 1.0 30	08:55 AM -0.2 -6	03:17 PM 1.3 40	10:13 PM 0.1 3	25 Su 03:17 AM 0.7 21	04:31 PM 1.1 34	11:20 PM 0.1 3	12:52 AM 0.9 27	07:23 AM -0.3 -9	02:00 PM 1.1 34	08:13 PM 0.1 3	08:13 PM 0.1 3	25 Su 03:17 AM 0.7 21	09:43 AM 0.8 24	
11 Su 03:16 AM 1.0 30	09:43 AM -0.3 -9	04:15 PM 1.5 46	11:18 PM 0.0 0	26 M 04:04 AM 0.7 21	05:13 PM 1.2 37		01:47 AM 0.8 24	08:14 AM -0.4 -12	02:59 PM 1.2 37	09:14 PM 0.1 3	09:14 PM 0.1 3	26 M 04:04 AM 0.7 21	09:43 AM 0.8 24	
12 M 04:12 AM 0.9 27	10:31 AM -0.4 -12	05:10 PM 1.6 49		27 Tu 12:07 AM 0.1 3	04:50 AM 0.7 21	10:57 AM -0.3 -9	02:41 AM 0.8 24	09:05 AM -0.4 -12	03:55 PM 1.3 40	10:13 PM 0.0 0	10:13 PM 0.0 0	27 Tu 12:07 AM 0.1 3	09:43 AM 0.8 24	
13 Tu 12:18 AM 0.0 0	05:08 AM 0.9 27	11:21 AM -0.4 -12	06:04 PM 1.6 49	28 W 12:49 AM 0.1 3	05:35 AM 0.7 21	06:27 PM 1.2 37	03:35 AM 0.8 24	09:56 AM -0.5 -15	11:36 AM -0.3 -9	11:08 PM 0.0 0	11:08 PM 0.0 0	28 W 12:49 AM 0.1 3	09:43 AM 0.8 24	
14 W 01:14 AM 0.0 0	06:03 AM 0.9 27	12:13 PM -0.4 -12	06:56 PM 1.6 49	29 Th 01:28 AM 0.0 0	06:18 AM 0.6 18	07:01 PM 1.2 37	04:29 AM 0.7 21	10:48 AM -0.5 -15	05:41 PM 1.3 40	11:18 PM 0.0 0	11:18 PM 0.0 0	29 Th 01:28 AM 0.0 0	09:43 AM 0.8 24	
15 Th 02:07 AM -0.1 -3	06:57 AM -0.4 -12	01:05 PM -0.4 -12	07:48 PM 1.6 49	30 F 02:06 AM 0.0 0	07:00 AM 0.7 21	07:36 PM 1.2 37	12:01 AM 0.0 0	05:23 AM 0.7 21	11:40 AM -0.5 -15	06:32 PM 1.3 40	06:32 PM 1.3 40	30 F 02:06 AM 0.0 0	09:43 AM 0.8 24	

December 2016 Currents

Baltimore Harbor Approach (Off Sandy Point)				Chesapeake Bay Entrance (2.0 n.mi. N of Cape Henry Lt.)			
Slack	Maximum	Slack	Maximum	Slack	Maximum	Slack	Maximum
h m	h m	h m	h m	h m	h m	h m	h m
1 Th 04:18 AM 12:30 AM -1.0E	09:30 AM 06:18 PM -0.5E	11 12:06 AM 02:24 AM 0.5F	06:12 PM 09:18 PM -1.0E	21 W 01:18 AM 04:36 AM -0.9E	08:00 AM 11:12 AM 0.9F	1 12:24 AM 03:24 AM -0.9E	09:24 AM 12:12 PM -1.3E
2 F 05:00 AM 07:24 AM 0.5F	04:06 PM 06:18 PM -1.0F	12 01:00 AM 03:18 AM 0.5F	05:48 AM 08:54 AM -0.8E	22 Th 02:12 AM 05:30 AM -0.8E	08:48 AM 12:06 PM 0.9F	2 01:00 AM 03:54 AM -0.8E	07:00 AM 10:36 AM 1.5F
3 Sa 05:42 AM 08:12 AM 0.5F	04:06 PM 06:18 PM -1.0F	13 01:54 AM 04:12 AM 0.5F	07:42 AM 10:36 AM -0.8E	23 F 03:06 AM 06:24 AM -0.7E	03:36 PM 06:36 PM -0.7E	3 01:30 AM 04:42 AM -0.8E	08:30 AM 12:00 PM 1.3F
4 Su 06:18 AM 08:54 AM 0.5F	04:06 PM 06:18 PM -1.0F	14 02:42 AM 05:06 AM 0.6F	08:36 PM 11:48 PM -1.2E	24 Sa 04:00 AM 07:12 AM -0.7E	05:24 PM 08:30 PM 1.0F	4 02:12 AM 05:42 AM -0.7E	09:12 AM 12:42 PM 1.3F
5 M 07:00 AM 09:42 AM 0.6F	04:06 PM 06:18 PM -1.0F	15 03:30 AM 05:54 AM 0.6F	09:18 PM 12:30 PM -1.1E	25 Su 12:06 AM 02:24 AM 0.4F	04:54 AM 08:00 AM -0.6E	5 03:00 AM 06:36 AM -0.8E	10:18 PM 07:12 PM -0.9E
6 Tu 07:54 AM 10:42 AM 0.7F	04:06 PM 06:18 PM -1.0F	16 04:18 AM 06:48 AM 0.7F	10:06 PM 13:18 PM -1.0E	26 M 01:00 AM 03:18 AM 0.4F	03:36 PM 06:36 PM -0.7E	6 04:06 AM 07:18 AM 0.8E	11:06 PM 14:18 PM 1.1F
7 W 08:48 AM 11:36 AM 0.8E	04:06 PM 06:18 PM -1.0F	17 05:00 AM 07:42 AM 0.7F	11:00 PM 14:12 PM -1.1E	27 Tu 01:48 AM 04:06 AM 0.4F	04:24 AM 07:24 AM -0.6E	7 05:18 AM 08:06 AM -0.8E	12:06 PM 15:18 PM 1.2F
8 Th 09:42 AM 12:30 AM 0.9E	04:06 PM 06:18 PM -1.0F	18 05:48 AM 08:36 AM 0.8E	12:00 PM 15:06 PM -1.2E	28 W 02:36 AM 04:54 AM 0.5F	05:18 PM 08:24 PM -1.1E	8 06:24 AM 09:06 AM -0.9E	13:06 PM 16:18 PM 1.3F
9 F 10:36 AM 13:24 AM 1.0E	04:06 PM 06:18 PM -1.0F	19 06:30 AM 09:18 AM 0.9E	13:00 PM 16:06 PM -1.3E	29 Th 03:18 AM 05:36 AM 0.5F	06:18 PM 09:24 PM -1.0E	9 07:30 AM 10:18 AM -1.1E	14:06 PM 17:18 PM 1.4F
10 Sa 11:30 AM 14:18 AM 1.1E	04:06 PM 06:18 PM -1.0F	20 07:12 AM 10:00 AM 1.0E	14:00 PM 17:06 PM -1.4E	30 F 03:54 AM 06:18 AM 0.5F	07:12 PM 10:24 PM -1.1E	10 08:48 AM 11:36 AM -1.2E	15:06 PM 18:18 PM 1.5F
11 Su 12:24 AM 15:12 AM 1.2E	04:06 PM 06:18 PM -1.0F	21 08:00 AM 10:48 AM 1.1E	15:00 PM 18:06 PM -1.5E	31 Sa 04:30 AM 07:00 AM 0.5F	08:00 PM 11:12 PM -1.2E	11 09:42 AM 12:30 AM -1.3E	16:06 PM 19:18 PM 1.6F

Current Differences and Speed Ratios

Secondary Stations	Baltimore Harbor Approach				Chesapeake Bay Entrance			
	Min. before Flood	Min. before Ebb	Min. before Flood	Min. before Ebb	Min. before Flood	Min. before Ebb	Min. before Flood	Min. before Ebb
Cove Point, 3.9 n.mi. East	-3:29	-3:36	-4:08	-3:44	0.4	0.6		
Sharp Island Lt., 3.4 n.mi. West	-1:39	-1:41	-1:57	-1:43	0.4	0.5		
Thomas Pt. Shoal Lt., 2.0 n.mi. East	-1:05	-0:14	-0:22	-0:20	0.6	0.6		
Pooles Island, 4 miles Southwest	+0:59	+0:48	+0:56	+1:12	0.6	0.8		
Turkey Point, 1.2 n.mi. Southwest	+2:39	+1:30	+0:58	+1:00	0.6	0.8		
Chesapeake Beach, 1.5 miles North	+0:29	+0:48	+0:06	+0:00	1.0	0.7		
Chesapeake Channel, (bridge tunnel)	+0:05	+0:38	+0:32	+0:19	2.2	1.2		
Stingray Point, 12.5 miles East	+2:18	+3:00	+2:09	+2:36	1.2	0.6		
Smith Point Light, 6.7 n.mi. East	+2:29	+2:57	+2:45	+1:59	0.5	0.3		
Point No Point, 4.3 n.mi. East	+4:49	+5:33	+6:04	+5:45	0.4	0.2		

Corrections Applied to Baltimore Harbor Approach

Corrections Applied to Chesapeake Bay Entrance